RYABOV, N.A., vrach; VARIN, I.Ye., vrach; ARKHANGEL'SKIY, V.N., prof.; LUBOTSKAYA-ROSSEL'S, Ye.M., vrach; EKLETSKIY, V.G., dotsent (Smolensk); UKRAN, M.L., dotsent; USTINOV, S.D., starshiy prepodavatel' gimnastiki

Health hints. Zdarov'e 9 no.2:30-31 F '63. (MIRA 16:3)
(HYGIENE)

ARKHANGELSKIY, V. N.

"Neoplasm of the optic nerve".

Report to be submitted at The Second Congress of the European Society of Ophthalmology, Vienna, Austria, 7-13 June 1964.

ARKHANGEL'SKIY, V.N., prof.; BRYANTSEVA, M.K.; DORMIDONTOVA, K.V.; BUNIN, A.Ya., red.; LYUDKOVSKAYA, N.I., tekhn. red.

[Manual on eye diseases] Uchebnik glaznykh boleznei. Pod obshchei red. V.N.Arkhangel'skogo. Moskva, Medgiz, 1963. 1963. 327 p. (MIRA 17:1)

1. Chlen-korrespondent AMN SSSR (for Arkhangel'skiy).

ARKHANGEL'SKIY, V.N., prof.

Morphological basis of the change in the color of the optic disk in health and in pathology. Vest. oft. 76 no.5:39-48 S-O '63. (MIRA 17:1)

1. Glaznaya klinika I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova. Chlen-korrespondent AMN SSSR.

SIKHARULIDZE, I.A., zasl. deyatel' nauki, prof., otv. red.;
BERADZE, N.I., dots., otv. red.; ARKHANGEL'SKIY, V.N., prof., red.; ABULADZE, V.A., red.; ANTELAVA, D.N., kand. med. nauk, red.; BOGOSLOVSKIY, A.I., doktor biol. nauk, red.; BUNIN, A.Ya., kand. med. nauk, red.; VILENKINA, A., doktor med. nauk, red.; VISHNEVSKIY, N.A., prof., red.; ZARUBIN, G.S., nauchn. sotr., red.; ITSIKSON, L.Ya., kand. med. nauk, red.; KRASNOV, M.L., zasl. deyatel' nauki, prof., red.; MACHARASHVILI, P.D., zasl. vrach Gruz. SSR, red.; PUCHKOVSKAYA, N.A., prof., red.; RABKIN, Ye.B., prof., red.; RSHZHECHITSKAYA, O.V., kand. med. nauk, red.; ROSLAVTSEV, A.V., st. nauchn. sotr., red.; TARTAKOVSKAYA, A.I., kand. med. nauk, red.; FRADKIN, M.Ya., prof., red.; KHAYUTIN, S.M., prof., red.; CHERNYAKOVSKIY, G.Ya., kand. med. nauk, red.; CHKONIYA, E.A., kand. med. nauk, red.; SHATILOVA, T.A., doktor med. nauk, red.; YAKOVLEV, A.A., nauchn.sotr., red.

[Materials of the Second All-Union Conference of Ophthalmologists] Materialy Vsesoiuznoi konferentsii oftal'mologov. Tbilisi, Respublikanskoe nauchn. ob-vo oftal'mologov Gruz.SSR, 1961. 498 p. (MIRA 18:1)

1. Vsesoyuznaya konferentsiya oftal'mologov, 2d, Tiflis, 1961.
2. Chlen-korrespondent AMN SSSR (for Arkhangel'skiy).

ARKHANGEL'SKIY, V.N., prof.

Physiology and pathology of the vitreous body. Trudy 1-go MMI 32:7-27 '64. (MIRA 18:5)

1. Zaveduyushchiy kafedroy glaznykh bolezney 1-go Moskovskogo meditsinskogo instituta imeni Sechenova. Chlen-korrespondent AMN SSSR.

ARKHANGEL'SKIY, V.N., REYTLINGER, S.A.

Automatic stratospheric balloons for studying the atmosphere. Meteor. i gidrol no.11:47-50 N '56. (MLRA 10:1)
(Balloons, Sounding)

AUTHORS: Arkhangel'skiy, V. N. Sukhotskiy, Ye. I. 5o-58-5-14/2o

TITLE: A New Standard Atmosphere (Novaya standartnaya atmosfera)

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 5, pp. 55-58 (USSR)

ABSTRACT: The authors report on the results of the work done by the committee organized in 1953 in the Weather Bureau and the Directory for Geophysical Research of the Research Center of Kembridzh (Cambridge, USA) of the VVS. In 1956 the elaboration of the above-mentioned atmosphere up to an altitude of 3oo km was concluded. The fundamental quantities of the new atmosphere are represented in figure 1 and tables 1 and 2. The advantages of the new atmosphere, as compared to those of 1947, are enumerated. The Directory at present is engaged in working out detailed tables of this atmosphere which shall soon be edited. The contents of the tables will correspond to the standard atmosphere of the International Civil Aviation Organization (ICAO) which was accepted as an international standard. At the end some explanations of the standard atmosphere of 1956 and the pertinent tables (edited in England) are given. There are 3 figures, 2 tables,

Card 1/1

1. Atmosphere--Standards

ARKHANGEL'SKIY, V.T.

Effective formula for frequency characteristics of seismographs with galvanometric recording. Trudy Inst.fiz.i geofiz.AN Turk. SSR 2:195-201 '56. (MLRA 10:5)

(Seismology)

ARKHANGEL'SKIY, V.T.

Sensitivity of the electrodynamic seismic inclinometer with galvanometric recording. Trudy Inst. fiz. i geofiz. AN Turk. SSR 4:3-8 '58. (MIRA 11:9)

(Seismotetry)

3.9300

87966
S/049/60/000/010/002/014
E133/E414

AUTHOR: Arkhangel'skiy, V.T.

TITLE: On the Theory of a Long-Period Vertical Seismometer

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1960, No.10, pp.1432-1441

TEXT: The author uses the term "seismometer" to denote that part of the seismograph which detects earthquakes as distinct from the recording apparatus. There has been considerable recent interest in long-period seismic waves. A typical seismometer pendulum in the USSR has a period ~12.5 sec. To study long-period waves, it is necessary to lengthen this to at least 30 sec. This can be done fairly easily for horizontal seismographs, but vertical seismographs become unstable even for periods as short as 15 to 20 sec. The instability occurs because of a strong dependence of the period on the equilibrium position of the pendulum and on the amplitude of the oscillations. The author sets up the differential equation for the motion of a vertical seismograph pendulum

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$$K\ddot{\theta} = M(\theta) \qquad (1)$$

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On the Theory of a Long-Period Vertical Seismometer

for a typical seismograph (cf Fig.1). Retaining the first four terms in the Maclaurin expansion of $M(\theta)$, he arrives at the differential equation (10) for θ which has the solution

$$\theta = A \sin(nt + \varphi) \tag{11}$$

where n is defined by

$$n^2 = -\frac{M'(0)}{K}\left(1 + \frac{M''(0)}{2M'(0)}\theta + \frac{M'''(0)}{6M'(0)}\theta^2\right). \tag{12}$$

The angular frequency (n_0) as $\theta \to 0$ is given by

$$n^2_{\theta \to 0} = n_0^2 = -\frac{M'(0)}{K}. \tag{13}$$

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On the Theory of a Long-Period Vertical Seismometer

Writing this in terms of the corresponding period (T_0) Eq.(12) now becomes

$$T = T_0\left(1 - \frac{M'(0)\,T_0^2}{8\pi^2 K}\,\theta' - \frac{M''(0)\,T_0^2}{24\pi^2 K}\,\theta^2\right)^{-1/2}, \qquad (14a)$$

When the terms inside the brackets are small, Eq.(14a) can be written as

$$T = T_0 + \frac{M'(0)\,T_0^2}{16\pi^2 K}\,\theta + \frac{M''(0)\,T_0^2}{48\pi^2 K}\,\theta^2. \qquad (15a)$$

or

$$T = T_0 + \Delta_1 T_0 + \Delta_2 T_0 \qquad (16)$$

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On the Theory of a Long-Period Vertical Seismometer

For $M''(0) > 0$, the effect of the $\Delta_1 T_o$ term is to decrease the upper half of the oscillation and increase the lower half. This term is proportional to ϑ and T_o^3. If $M'''(0) > 0$, the effect of the $\Delta_2 T_o$ term is to increase the amplitude as the square of ϑ. Next, the author considers the pendulum parameters on which $M''(0)$ and $M'''(0)$ depend. He finds that $M''(0) = 0$ for either of the conditions

$$\cos(\alpha + \beta) = a/b$$

or

$$\cos(\alpha + \beta) = b/a \qquad (24)$$

Seismometer arrangements which satisfy these requirements are shown in Fig.3. The values of $M'''(0)$, which correspond to the two cases illustrated are given by

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$$M''(0) = a^3c\left(1+\frac{3\xi}{Z_0}\right), \quad (24\,\text{a}) \qquad (24a)$$

либо

$$M''(0) = b^3c\left(1+\frac{3\xi}{Z_0}\right). \quad (24\,\text{б}) \qquad (24b)$$

However, in practice, these arrangements give periods which are only of the order of two seconds. In order to increase the period of free oscillations, Richardson (Ref.2) has suggested the use of a second spring which obeys the relationship: $\alpha_1 + \beta_1 = 180°$. It is found that the period T_o can be increased by altering the length of the second spring. It is also possible to make $\Delta_1 T_o = 0$ and to decrease the dependence of period on amplitude. However, owing to the constructional complications introduced, a second spring is seldom used. The author next considers the use of a single spring of zero initial length ($\xi = 0$). He finds that, in this case, the period hardly changes

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On the Theory of a Long-Period Vertical Seismometer

even for large oscillations. The initial length is defined as

$$\xi = z - \frac{g}{4\pi^2} T^2$$

The period of free oscillations is given by

$$T = 2\pi \sqrt{\frac{l_0}{g}} \sqrt{\operatorname{tg}(\alpha + \beta)} \qquad (34)$$

This equation shows that the period can be increased if $l_0 = K/mR_0$ is increased or if $\alpha + \beta$ tends to 90°. The latter case is of no practical importance as the period then tends to infinity. It is found that small changes in the equilibrium position of the pendulum do not affect the period. The author concludes that the best practical approach is to use a suspension

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spring of zero initial length. There should be various possible attachment points for the spring, and the upper point of attachment should be easily movable, both in the direction of the b-coordinate and in a direction perpendicular to this and to the axis of rotation (Fig.5a). It is suggested that for ease of construction, either $\alpha \approx 0$, $\beta \approx 90°$ (Fig.5b) or $\beta \approx 0$, $\alpha \approx 90°$ (Fig.5c) should be used. The spring should be made of a material with low coefficient of expansion. The apparatus should not be affected by pressure changes, i.e. the disposition of volume about the axis of rotation should be symmetrical. There are 5 figures and 7 references: 2 Soviet and 5 non-Soviet.

ASSOCIATION: Akademiya nauk SSSR Institut fiziki zemli (Academy of Sciences USSR Institute of Physics of the Earth)

SUBMITTED: May 18, 1960

Card 7/8

S/049/61/000/005/004/013
D218/D306

AUTHORS: Arkhangel'skiy, V.T., Kirnos, D.P., Popov, I.I., and Solovyev, V.N.

TITLE: Preliminary observations of long-period seismic waves at the Simferopol' station

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya geofizicheskaya, no. 5, 1961, 670-675

TEXT: This paper was first read at a seminar on surface waves which was held in the Department of Seismology and Seismic Service on October 1 - 5, 1960, at Simferopol'. The authors briefly report on a prototype vertical seismograph which was designed for detecting seismic waves with periods between 20 and 300 sec. The instrument is a modification of a vertical seismograph designed in 1959 in the Department of Seismology of the Institute of Physics of the Earth AS USSR. The modification was carried out in accordance with the recommendations given by the first of the present authors (Ref. 6: Izv. AN SSSR, ser. geofiz., no. 10, 1960). The pendulum

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employed is illustrated schematically in Fig. 1. The reduced length of this arrangement is l_1 = 0.742 m and the moment of inertia is K_1 = 0.381 kg.m^2. The flat spring is made of elinvar which has a positive temperature coefficient of frequency (22 x 10^{-6}). The long-period galvanometer was made at the Seismometric Laboratory of the Department of Seismology and Seismic Service, Institute of Physics of the Earth, AS USSR. The period of the galvanometer may be adjusted to between 80 and 130 seconds. Its current constant is 2.2 x 10^{-10} amp/mm at one meter, and its electromagnetic damping constant is 72 ohms. The moment of inertia of the galvanometer frame is K_2 = 8.63 x 10^{-7} kg.m^2. The seismograph has been used to record long-period surface Rayleigh waves with periods in excess of 30 sec. Interesting results are said to have been obtained for Rayleigh waves due to the Chile earthquake of May 22, 1960. Waves with periods up to 480 sec were recorded. There are 5 figures, 1 table and 8 references: 3 Soviet-bloc and 5 non-Soviet-bloc. The 4 most recent references to English-language publications read as

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S/049/61/000/005/004/013
D218/D306

Preliminary observations of ...

follows: H. Benioff, F. Press, Progress report on long period seismographs. Geophys. J. Roy. Astr. Soc., 1, no. 3 (1958); M. Ewing, F. Press, Further study of atmospheric pressure fluctuations recorded on seismographe. Trans. Amer. Geophys. Union, 34, (1953); F. Press, M. Ewing, F. Lehner, A long period seismograph system. Trans. Amer. Geophys. Union, 39, no. 1 (1958); M. Ewing, W. Jardetzky, F. Press, Elastic waves in layered media (1957).

ASSOCIATION: Akademiya nauk SSSR, Institut fiziki zemli (Academy of Sciences USSR, Institute of Physics of the Earth)

SUBMITTED: December 17, 1960

Card 3/4

S/619/61/000/019/017/019
D039/D112

AUTHOR: Arkhangel'skiy, Y.T.

TITLE: A method for varying the magnification ratio of an electrodynamic seismograph while preserving its rated frequency response

SOURCE: Akademiya nauk SSSR. Institut fiziki Zemli. Trudy, no.19 (186), Moscow, 1961, Seysmicheskiye pribory, 122-129

TEXT: The author complains that up to date no appropriate method has been developed for making it possible to vary the magnification ratio of the Soviet ЭВК (SVK) electrodynamic vertical pendulum seismograph after Kirnos, while preserving its frequency response. He follows the attempts of N.V. Shebalin, who had introduced some improvements into the SVK seismograph, to make it as adjustable as the ЭГК (SGK) (horizontal type) seismographs. Using formulae developed by him previously (Ref.4: Rukovodstvo po proizvodstvu i obrabotke nablyudeniy na seysmicheskikh stantsiyakh SSSR

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PHASE I BOOK EXPLOITATION SOV/6029

Arkhangel'skiy, V. T., D. P. Kirnos, A. G. Moskvina, V. N. Solov'yev, N. Ye. Fedoseyenko, V. M. Fremd, and N. V. Shebalin

Apparatura i metodika nablyudeniy na seysmicheskikh stantsiyakh SSSR (Apparatus and Observation Methods at Seismic Stations in the USSR) Moscow, Izd-vo AN SSSR, 1962. 166 p. Errata printed on inside back cover. 1500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Sovet po seysmologii.

Resp. Ed.: D. P. Kirnos, Doctor of Physics and Mathematics; Ed. of Publishing House: V. M. Fremd; Tech. Eds.: I. A. Makogonova and S. Golub'.

PURPOSE: This book is intended primarily for personnel of Soviet seismic stations.

COVERAGE: The book consists of three sections. Section I, written by V. T. Arkhangel'skiy, deals with the elementary theory of seismographs. A description of the basic types of seismographs already in use in the Soviet Union is

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Apparatus and Observation Methods (Cont.) SOV/6029

presented in Section II, which was compiled by D. P. Kirnos and A. G. Moskvina. Section III was written by A. G. Moskvina, V. M. Fremd, and N. V. Shebalin and deals with the methods and technique of seismic observation. In addition to the authors named above, the following persons, all members of the Institut fiziki Zemli im. O. Yu. Shmidta AN SSSR (Institute of Physics of the Earth, imeni O. Yu. Shmidt Academy of Sciences USSR), took part in the preparation and discussion of the manuscript: N. Ye. Fedoseyenko, V. N. Solov'yev, Z. I. Aronovich, I. L. Nersesov, I. I. Popov, and D. A. Kharin. There are 28 references, all Soviet.

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ARKHANGEL'SKIY, V.T.

Method for increasing galvanometer and pendulum periods by interconnection of capacitances. Trudy Inst. fiz. Zem. no.26: 42-51 '63. (MIRA 16:11)

ARKHANGEL'SKIY, V.I.; BARAGAN, S.A.

Use of electromechanical and capacitor filters in seismographs with galvanometric recording. Izv. AN SSSR Ser. geofiz. no.10: 1494-1508 O '64. (MIRA 17:11)

1. Institut fiziki Zemli AN SSSR.

ARKHANGEL'SKIY, V.T.; KIRNOS, D.P., dr. fiziko-matem. nauk

General type wide-band seismographs. Trudy Inst. fiz. Zem. no.35: 3-11 '64. (MIRA 17:12)

L 5186-66 EWT(1)/EWA(h) GW

ACC NR: AT6000089 SOURCE CODE: UR/2619/64/000/035/0083/0094

AUTHOR: Arkhangel'skiy, V. T. 44,55 39 B+1

ORG: Institute of Physics of the Earth im. O.Yu. Shmidt, AN SSSR (Institut fiziki zemli AN SSSR) 44,55

TITLE: Natural motion parameters of an electrodynamic seismograph with galvanometer recording

SOURCE: AN SSSR. Institut fiziki zemli. Trudy, no. 35, 1964, 83-94

TOPIC TAGS: motion mechanics, seismograph, seismologic instrument, seismography, galvanometer, galvanometry 12,44.55 12,44.55

ABSTRACT: A new and simplified method of determining the natural motions of a seismograph is presented. The method was tested with SGK and SVK seismographs. Orig. art. has: 2 figures, 2 tables, 33 formulas. [FSB: v. 1, no. 5] 10

SUB CODE: ES, EE / SUBM DATE: none

Card 1/1 Md

L 5160-66 EWT(1)/EWA(h) GW SOURCE CODE: UR/2619/64/000/035/0110/0132
ACC NR: AT6000092 45
B+1

AUTHOR: Arkhangel'skiy, V. T.; Daragan, S. K. 44,55

ORG: Institute of Physics of the Earth im. O.Yu. Shmidt, AN SSSR (Institut fiziki zemli AN SSSR) 44,55

TITLE: Practical utilization of electromechanical filters in electrodynamic seismographs with galvanometric recording 25

SOURCE: AN SSSR. Institut fiziki zemli. Trudy, no. 35, 1964, 110-132

TOPIC TAGS: electric filter, seismograph, seismography, galvanometer, galvanometry, seismologic instrument, electronic amplifier 12,44,55

ABSTRACT: The authors discuss two groups of circuits which can be used to connect a capacitor into the galvanometer-electromechanical filter circuit of a seismograph to increase the sensitivity and recording range. Final formulas (without analytical derivations) are given for determination of the magnitudes and frequency characteristics of a seismograph. In the first group, the capacitor is connected into a free coil in the seismometer (4 variations); the second group (4 variations) differs from the first in that no capacitor filter is used. A test run in 1962 with an apparatus consisting of three SK-III-M-type seismographs and M-17/12 galvanometers (new coils were

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ACC NR: AT6000092

double-wound) indicated that the level of microseismic noise was too high. The same seismographs were used with M-17/6-type galvanometers connected in series with the main galvanometers and their magnetic shunts to control filter resonance. A filter wave trap (4.5—5-sec period) considerably lowered the microseismic noise level in the 3—7-sec range without decreasing sensitivity for periods of 10 sec or more. Additional experiments were carried out with a photo-optical electronic amplifier and low-frequency filter (schematics for connecting electromechanical filter and photoelectric amplifier are shown). Orig. art. has: 13 figures, 3 tables, 42 formulas. [FSB: v. 1, no. 5]

SUB CODE: EE, ES / SUBM DATE: none

Card 2/2

ARKHANGEL'SKIY, V.V.

Morphology and pathogenesis of brain tumors in mice produced by 9,10-dimethyl-1,2-benzanthracene. Vop. onk. 6 no. 8:38-48 Ag '60. (MIRA 14:1)

(BENZANTHRACENE) (BRAIN--TUMORS)

SMIRNOV, Leonid Iosifovich; ARKHANGEL'SKIY, V.V., red.; ROMANOVA, Z.A., tekhn. red.

[Tumors of the brain and spinal cord] Opukholi golovnogo i spinnogo mozga. Moskva, Medgiz, 1962. 186 p. (MIRA 15:4)
(BRAIN--TUMORS) (SPINAL CORD--TUMORS)

ARKHANGEL'SKIY, V. V.

Tree Planting

Tree planting with the plow PKB-56 under conditions prevailing in Central Asia. Les. khoz. 5 no. 3(42) 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

ARKHANGEL'SKIY, V.V.; MANTEYFEL', P.A., professor, redaktor; GERMAN, V.Ye., redaktor; DOTSENKO, A.A., tekhnicheskiy redaktor; MANINA, M.P., tekhnicheskiy redaktor

[The hunter's handbook] Nastol'naia kniga okhotnika-sportsmena. Moskva, Gos. izd-vo "Fizkul'tura i sport. Vol. 2. 1956. 433 p. (Hunting)
(MLRA 9:9)

ARKHANGEL'SKIY, V.I.

SAMARIN, D.A.; ARKHANGEL'SKIY, V.I., redaktor; KLYKOV, A.A., redaktor; KRUNDYSHEV, B.A., redaktor; SLEDNEV, I.P., redaktor; KHERSONSKIY, Kh.N., redaktor; SHEYNIN, L.P., redaktor; PETROVSKAYA, Ye.K., redaktor; DOTSENKO, A.A., tekhnicheskiy redaktor

[Anglers; an almanac] Rybolov-sportsmen; al'manakh. Moskva, Gos. izd-vo "Fiskul'tura i sport," Vol.7. 1957. 264 p. (MLRA 10:7)
(Fishing)

ARKHANGEL'SKIY, V.V., redaktor; GERMAN, V.Ye., redaktor; DEBRIN, I.I., redaktor; PERMITIN, Ye.N., redaktor; SMIRNOV, N.P., redaktor; TUROV, S.S., redaktor; DOTSENKO, A.A., tekhnicheskiy redaktor

[In the wilds; an almanac] Okhotnich'i prostory; al'manakh. Moskva, Gos. izd-vo "Fiskul'tura i sport." Vol.7. 1957. 332 p. (Hunting) (MLRA 10:8)

SAMARIN, D.A.; ARKHANGEL'SKIY, V.V., red.; VOLKOV, A.M., red.; KLYKOV, A.A., red.; RUDIN, M.Z., red.; KHERSONSKIY, Kh.N., red.; SHEYNIN, L.R., red.; SHAVERDOVA, A.I., red.; MANINA, M.P., tekhn.red.

[The angler; almanac] Rubolov - sportsmen; almanakh. Moskva, Gos. izd-vo "Fizkul'tura i sport." Vol.11. 1959. 270 p.
(MIRA 14:3)

(Fishing)

ARKHANGEL'SKIY, Vladimir Vasil'yevich

[On Yaroslavl soil] Po zemle IAroslavskoi. [IAroslvl'] IAroslavskoe knizhnoe izd-vo, 1960. 170 p. illus. (MIRA 15:5)
(Yaroslavl Province--Description and travel)

ARKHANGEL'SKIY, V. V. (Moskva)

Reaction of the brain tissue in mice to pellets of chemically pure 9,10-dimethyl-1,2,-benzanthracene. Arkh. pat. no.12:52-57 '61. (MIRA 15:7)

1. Iz patologoanatomicheskoy laboratorii (zav. - prof. A. N. Avtsyn) Nauchno-issledovatel'skogo ordena Trudovogo Krasnogo Znameni instituta neyrokhirurgii imeni akad. N. N. Burdenko (dir. - deystvitel'nyy chlen AMN SSSR zasluzhennyy deyatel' nauki prof. B. G. Yegorov) AMN SSSR.

(BENZANTHRACENE—PHYSIOLOGICAL EFFECT)
(BRAIN)

AREND T, A.A., prof.; ARKHANGEL'SKIY, V.V., kand. med. nauk; BOGDANOV, F.R., prof.; BONDARCHUK, A.V., prof.; KOPYLOV, M.B., prof.; KORNEV, P.G., zasl. deyatel' nauki RSFSR, prof.; KUSLIK, M.I., prof.; LEYBZON, N.D., doktor med. nauk; MAKAROV, M.P., kand. med. nauk; NIKOL'SKIY, V.A., prof.; PODGORNAYA, A.Ya., doktor med.nauk; RAZDOL'SKIY, I.Ya., prof.[deceased]; ROSTOTSKAYA, V.I., kand. med.nauk; TUMSKOY, V.A., kand. med.nauk; UGRYUMOV, V.M., prof.; FISHKIN, V.I., kand. med. nauk; KHRAPOV, V.S., kand. med. nauk; CHIKOVANI, K.P., prof. [deceased]; SHLYKOV, A.A., prof.; PETROVSKIY, B.V., prof. zasl. deyatel' nauki RSFSR, otv. red.; YEGOROV, B.G., zasl. deyatel' nauki RSFSR prof., red. toma; MIRONOVICH, N.I., doktor med. nauk, zam. red.; PARAKHINA, N.L., tekhn. red.

[Manual on surgery] Mnogotomnoe rukovodstvo po khirurgii. Moskva, Medgiz. Vol.4. [Neurosurgery; the sequelae of lesions of the central nervous system. Diseases of the spine, the spinal cord and its membranes. Diseases of the vegetative nervous system] Neirokhirurgiia; posledstviia povrezhdenii tsentral'noi nervnoi sistemy. Zabolevaniia pozvonochnika, spinnogo mozga i ego obolochek. Zabolevaniia vegetativnoi nervnoi sistemy. 1963. 667 p. (MIRA 16:10)

1. Deystvitel'nyy chlen AMN SSSR (for Petrovskiy, Yegorov, Kornev). 2. Chlen-korrespondent AMN SSSR (for Bogdanov).
(NERVOUS SYSTEM—SURGERY) (SPINE—SURGERY)

AREND, A.A., zasl. deyatel' nauki prof.; ARKHANGEL'SKIY, V.V., kand. med. nauk; BLAGOVESHCHENSKAYA, N.S., doktor med. nauk; GAL'PERIN, M.D., prof.; KANDEL', E.I., kand. med. nauk; KORNYANSKIY, G.P., prof.; KORST, L.O., doktor med. nauk; RAZDOL'SKIY, I.Ya., zasl. deyatel' nauki prof.; EMDIN, P.I., zasl. deyatel' nauki prof.[deceased]; EPSHTEYN, P.V.; DAVIDENKOV, S.N., prof., otv. red.; BOGOLEPOV, N.K., prof., zam. otv. red.; SENCHILO, K.K., tekhn. red.

[Multivolume manual on neurology] Mnogotomnoe rukovodstvo po nevrologii. Moskva, Medgiz. Vol.5. [Tumors of the nervous system] Opukholi nervnoi sistemy. . 1961. 570 p. (MIRA 16:9)

1. Deystvitel'nyy chlen AMN SSSR (for Davidenkov). 2. Chlen-korrespondent AMN SSSR (for Razdol'skiy).

(NERVOUS SYSTEM--TUMORS)

BENYUMOVICH, M.S.; TIMOFEYEVSKIY, A.D.; ARKHANGEL'SKIY, V.V. (Moskva)

Long-term cultures (cellular strain) of dedifferentiated human astrocytoma. Vop. neirokhir. 26 no.5:1-4 S-O'62 (MIRA 17:4)

1. Laboratoriya kul'tivirovaniya tkaney Instituta eksperimental'noy i klinicheskoy onkologii AMN SSSR i patologoanatomicheskoy laboratorii Instituta neyrokhirurgii imeni akademika N.N.Burdenko AMN SSSR.

ARKHANGEL'SKIY, V.V.

Pathogenesis of induced brain tumors in mice. Vop. neirokhir. 28 no.2:5-9 Mr-Ap '64. (MIRA 18:2)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni N.N. Burdenko (direktor - prof. B.G. Yegorov) AMN SSSR, Moskva.

ARKHANGEL'SKIY, Ye. A.

AUTHOR: ARKHANGEL'SKIY, Ye.A., Eng., OGUL'NIK, G.R., Eng. 105-8-1/20
TITLE: The Kuybyshev Hydroelectric Station. (Kuybyshevskaya gidroelektrostantsiya, Russian)
PERIODICAL: Elektrichestvo, 1957, Nr 8, pp 1 - 9 (U.S.S.R.)

ABSTRACT: In the current year the hydroelectric generating station will reach its planned power level. The station is situated 90 km above the town of Kuybyshev. The embankment is 2.154 m long and the overflow concrete dike 981 m. One sluice is at the barrage and the second one 4,5 km down the river. Both are connected with each other by a navigable canal. A railroad and a highway both go through the station. The reservoir holds 5.580 qkm, if the retained water level is normal. In the hydroelectric station 20 aggregates with 105 MW each are set up. Every aggregate consists of a water turbine vane and a generator with joint shaft. The normal speed of rotation of the aggregate is 68,2 revolutions/min, the rate of travel is 140 revol/min. The diameter of the runner of the turbine is 9,3 m, the total weight of the turbine 1.550 t, of the runner 462 t. At high water the turbine is approved for a pressure head of 12 m. At 19 m the maximum consumption of water by the turbine is 675 cbm/sec, on which occasion the turbine shows a capacity of 108,5 MW at the axle and has the highest efficiency guaranteed by the station, namely 93,5 %. The turbine has a double control: a speed control

Card 1/2
Card 2/2

ARKHANGEL'SKIY, YE. A.

ANDON'YEV, V.L.; BAUM, V.A.; BAUMGARTEN, N.K.; BEREZIN, V.D.; BIRYUKOV, I.K.; BIRYUKOV, S.M.; BLOKHIN, S.I.; BOROVOY, G.A.; BULEV, M.Z.; BURAKOV, N.A.; VERTSAYZER, B.A.; VOVK, G.M.; VORMAN, B.A.; VOSHCHININ, A.P.; GALAKTIONOV, V.D., kand. tekhn. nauk; GENKIN, Ye.M.; GIL'DENBLAT, Ya.D., kand. tekhn. nauk; GINZBURG, M.M.; GLEBOV, P.S.; GODES, E.G.; GORBACHEV, V.N.; GRZHIB, B.V.; GREKULOV, L.F., kand. s.-kh. nauk; GRODZENSKAYA, I.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO, Yu.D.; DOBROKHOTOV, D.D.; DUBININ, L.G.; DUNDUKOV, M.D.; ZHOLIK, A.P.; ZENKEVICH, D.K.; ZIMAREV, Ye.V.; ZIMASKOV, S.V.; ZUBRIK, K.M.; KARANOV, I.F.; KNYAZEV, S.N.; KOLEGAYEV, N.M.; KOMAREVSKIY, V.T.; KOSENKO, V.P.; KORENISTOV, D.V.; KOSTROV, I.N.; KOTLYARSKIY, D.M.; KRIVSKIY, M.N.; KUZNETSOV, A.Ya.; LAGAR'KOV, N.I.; LGALOV, V.G.; LIKHACHEV, V.P.; LOGUNOV, P.I.; MATSKEVICH, K.F.; MEL'NICHENKO, K.I.; MENDELEVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. nauk; MUSIYEVA, R.N.; NATANSON, A.V.; NIKITIN, M.V.; OVES, I.S.; OGUL'NIK, G.R.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PERYSHKIN, G.A., prof.; P'YANKOVA, Ye.V.; RAPOPORT, Ya.D.; REMEZOV, N.P.; ROZANOV, M.P., kand. biol. nauk; ROCHEGOV, A.G.; RUBINCHIK, A.M.; RYBCHEVSKIY, V.S.; SADCHIKOV, A.V.; SEMENTSOV, V.A.; SIDENKO, P.M.; SINYAVSKAYA, V.T.; SITAROVA, M.N.; SOSNOVIKOV, K.S.; STAVITSKIY, Ye.A.; STOLYAROV, B.P. [deceased]; SUDZILOVSKIY, A.O.; SYRTSOVA, Ye.D., kand. tekhn. nauk; FILIPPSKIY, V.P.; KHALTURIN, A.D.; TSISHEVSKIY, P.M.; CHERKASOV, M.I.; CHERNYSHEV, A.A.; CHUSOVITIN, N.A.; SHESTOPAL, A.O.; SHEKHTER, P.A.; SHISHKO, G.A.; SHCHERBINA, I.N.; ENGEL', F.F.; YAKOBSON, A.G.; YAKUBOV, P.A., ARKHANGEL'SKIY,

(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 2.

Ye.A., retsenzent, red.; AKHUTIN, A.N., retsenzent, red.; BALASHOV, Yu.S., retsenzent, red.; BARABANOV, V.A., retsenzent, red.; BATUNER, P.D., retsenzent, red.; BORODIN, P.V., kand. tekhn. nauk, retsenzent, red.; VALUTSKIY, I.I., kand. tekhn. nauk, retsenzent, red.; GRIGOR'YEV, V.M., kand. tekhn. nauk, retsenzent, red.; GUBIN, M.F., retsenzent, red.; GUDAYEV, I.N., retsenzent, red.; YERMOLOV, A.I., kand. tekhn. nauk, retsenzent, red.; KARAULOV, B.F., retsenzent, red.; KRITSKIY, S.N., doktor tekhn. nauk, retsenzent, red.; LIKIN, V.V., retsenzent, red.; LUKIN, V.V., retsenzent, red.; LUSKIN, Z.D., retsenzent, red.; MATRIROSOV, A.Kh., retsenzent, red.; MENDELEYEV, D.M., retsenzent, red.; MENKEL', M.F., doktor tekhn. nauk, retsenzent, red.; OBRUCHKOV, S.S., retsenzent, red.; PETRASHEN', P.N., retsenzent, red.; POLYAKOV, L.M., retsenzent, red.; RUMYANTSEV, A.M., retsenzent, red.; RYABCHIKOV, Ye.I., retsenzent, red.; STASENKOV, N.G., retsenzent, red.; TAKANAYEV, P.F., retsenzent, red.; TARANOVSKIY, S.V., prof., doktor tekhn. nauk, retsenzent, red.; TIZDEL', R.R., retsenzent, red.; FEDOROV, Ye.M., retsenzent, red.; SHEVYAKOV, M.N., retsenzent, red.; SHMAKOV, M.I., retsenzent, red.; ZHUK, S.Ya. [deceased], akademik, glavnyy red.; BESSO, G.A., kand. tekhn. nauk, red.; FILIMONOV, N.A., red.; VOLKOV, L.N., red.; GRISHIN, M.M., red.; ZHURIN, V.D., prof., doktor tekhn. nauk, red.; KOSTROV, I.N., red.; LIKHACHEV, V.P., red.; MEDVEDEV, V.M., kand. tekhn. nauk, red.; MIKHAYLOV, A.V., kand. tekhn. nauk, red.; PETROV, G.D., red.; RAZIN, N.V., red.; SOBOLEV, V.P., red.; FERINGER, B.P., red.; FREYGOFER,

(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 3.

Ye.F., red.; TSYPLAKOV, V.D. [deceased], red.; KORABLINOV, P.N., tekhn. red.; GENKIN, Ye.M., tekhn. red.; KACHKROVSKIY, N.V., tekhn. red.

[Volga-Don; technical account of the construction of the V.I. Lenin Volga-Don Navigation Canal, the TSimlyansk Hydroelectric Center, and irrigation systems] Volgo-Don; tekhnicheskii otchet o stroitel'stve Volgo-Donskogo sudokhodnogo kanala imeni V.I. Lenina, TSimlianskogo gidrouzla i orositel'nykh sooruzhenii, 1949-1952; v piati tomakh. Moskva, Gos. energ. izd-vo. Vol.1. [General structural descriptions] Obshchee opisanie sooruzhenii. Glav. red. S.IA. Zhuk. Red. toma M.M. Grishin. 1957. 319 p. Vol.2. [Organization of construction. Specialized operations in hydraulic engineering] Organizatsiia stroitel'stva. Spetsial'nye gidrotekhnicheskie raboty.

(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 4.

Glav. red. S.IA. Zhuk. Red. toma I.N. Kostrov. 1958. 319 p. (MIRA 11:9)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsii. Byuro tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Chlen-korrespondent Akademii nauk SSSR (for Akhutin). 3. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin, Razin).

(Volga Don Canal--Hydraulic engineering)

FREYDZON, Isaak Rubinovich. Prinimali uchastiye: ARKHANGEL'SKIY, Ye.A.; BRENEV, V.F.; FATEYEV, A.V., doktor tekhn. nauk, retsenzent; TITOV, N.I., nauchn. red.; NIKITINA, M.I., red.

[Mathematical modeling of the automatic control systems of ships] Matematicheskoe modelirovanie sudovykh sistem avtomaticheskogo upravleniia. Leningrad, Sudostroenie, 1964. 423 p. (MIRA 18:2)

FREYDZON, I.R., doktor tekhn.nauk, prof.; BRENEV, V.F., inzh.; ARKHANGEL'SKIY, Ye.A., inzh.

Mathematical modeling of a system of electric drives containing a generator with commensurable power. Elektrichestvo no.3: 65-71 Mr '64. (MIRA 17:4)

1. Leningradskiy elektrotekhnicheskiy institut.

Country : USSR
Category : CULTIVATED PLANTS. FODDER

M

Abs. Jour. : REF ZHUR-BIOL.,21,1958,NO-96022

Author : Arkhangel'skiy, Ye.N.
Institut. : Timiryazev Agric. Acad.
Title : Attempts to Create a Perennial Grass Layer in the Suburban Farms of Moscow

Orig. Pub. : Izv. Timiryazevsl. s.-kh. akad., 1957, No.5, 139-146

Abstract : Investigations of the Vil'yams Soil-Agronomy Station in Moskovskaya Oblast' on the turf-podzolic medium podzolized loam soils of suburban Moscow have indicated that the perennial grasses should be sown in fall, while the legumes - in the spring. The best results were gotten when the perennial herbs were sown under a winter wheat cover, and then a summer wheat cover. Liming the acidy soils insures a hay yield boost of up to 50%, the application of manure (up to 30 t/ha.) under the cover

Card: 1/2

ARKHANGEL'SKIY, Ye N.

ARKHANGEL'SKIY, Ye. N., Cand Agr Sci -- (diss) "Certain methods of cultivation of perennial grasses on tury podzolic soils of Moskovskaya Oblast." Mos, 1958. 18 pp (Mos Order of Lenin Agr Acad Sciim K.A. Timiryazev). 110 copies (KL, 20-58, 99)

ARKHANGEL'SKIY, Ye. P.

ARKHANGEL'SKIY, E. P. "On the Distribution of the Wheat Nematode in Kirgiz SSR,"

Zashchita Rastenii, no. 19, 1939, pp. 163-165. 421. P942

SO: SIRA 90-53, 15 Dec. 1953

ARKHANGEL'SKIY, YE V.

ARKHANGEL'SKIY, YE V.--"Investigation of Some Problems of Shunting Work." Min Railways USSR. All-Union Sci Res Inst of Railroad Transport. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Science).

SO Knizhanay letopis'
No 2, 1956.

ARKHANGEL'SKIY, Ye.V., kandidat tekhnicheskikh nauk.

Continuous sorting of cars in humpless stations. Vest.TSNII MPS no.2:48-50 Mr '57. (MLRA 10:4)
(Railroads--Making up trains)

ARKHANGEL'SKIY, Ye.V., kandidat tekhnicheskikh nauk.

Contact system repair trucks operating on railroad tracks.
Zhel.dor.transp. 39 no.6:88-89 Je '57. (MLRA 10:7)
(France--Electric railroads--Wires and wiring)

ARKHANGEL'SKIY, Ye.V., kand.tekhn.nauk; GOL'DENTUL, B.A., inzh.

Improvement in methods of determining load on switching throat-tracks. Vest.TSNII MPS 18 no.1:61-63 F '59. (MIRA 12:3)
(Poland--Railroads--Switching)

ARKHANGEL'SKIY, Ye.V., kand.

Useful book on the operational technology of railroad yards ("Fundamental operational technology of sectional and classification yards" by I.G.Tikhomirov. Reviewed by E.V.Arkhangel'skii). Vest.TSNII MPS 18 no.3:62-63 My '59. (MIRA 12:8)
(Railroads--Yards) (Tikhomirov, I.G.)

ARKHANGEL'SKIY, Ye.V., kand.tekhn.nauk

Interaction in the operation of the various sections of a large public freight station located at a junction point. Vest. TSNII MPS 17[i.e. 19] no. 7:41-45 '60. (MIRA 13:11)
(Railroads--Freight)

ARKHANGEL'SKIY, Ya.V., kand.tekhn.nauk

Determining the processing capacity of classification yards.
Vest.TSNII MPS 20 no.4:52-55 '61. (MIRA 14:7)
(Railroads--Yards)

ARKHANGEL'SKIY, Ye.V., kand.tekhn.nauk

Calculating the capacity of station switching track necks.
Vest. TSNII MPS 21 no.1:54-58 '62. (MIRA 15:2)
(Railroads--Traffic)
(Railroads--Stations)

ARKHANGEL'SKIY, Ye.V., kand.tekhn.nauk; MUKHAMEDOV, G.A., kand.tekhn. nauk; MAKSIMOVICH, B.M., kand.tekhn.nauk, retsenzent; PETROVA, V.L., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Methodology for calculating the traffic capacity of a railroad station] Metodika rascheta propusknoi sposobnosti stantsii. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1962. 133 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.235). (MIRA 15:8)

(Railroads--Traffic) (Railroads--Stations)

CHERNOV, A.; ARKHANGEL'SKIY, Yu.; GIMEYN, S., inzh (Moskva); KHAYKIN, V.; DASKOVSKIY, V.; DMITRIYEV, K.; YUDIN, G.; SHASHNIN, Yu.

Technological information. Okhr. truda i sots. strakh. 6 no.5:36-42 My '63. (MIRA 16:8)

1. Laboratoriya tekhniki bezopasnosti Gosudarstvennogo vsesoyuznogo nauchno-issledovatel'skogo tekhnologicheskogo instituta remonta i ekspluatatsii mashinno-traktornogo parka (for Gimeyn).
(Technological innovations)

ARKHANGEL'SKIY, Yu.; KOVALEV, I.

Start of the first atomic power plant operating an "organic" reactor.
Atom. energ. 15 no.5:443 N '63. (MIRA 16:12)

ARKHANGEL'SKIY, Yu.A.; DOLMATOVSKIY, Yu.A.; KLINKOVSHTEYN, G.I., inzhener, retsenzent; RAUMAN, I.M., inzhener, redaktor; POPOVA, S.M., tekhnicheskiy redaktor.

[The automobile driver's seat.] Rabochee mesto voditelia avtomobilia. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1954. 86 p. (MLRA 8:3)
(Automobiles--Design and construction)

ARKHANGEL'SKIY, Yu.; GREPACHEVSKIY, A.

Improve the living and working conditions of road construction workers. Avt.dor. 18 no.1:31 Ja-F '55. (MIRA 8:4)
(Road construction workers)

ARKHANGEL'SKIY, Yu. A

More attention to labor protection in automotive transport enterprises. Avt.transp.33 no.8:5-6 Ag'55. (MLRA 8:12)

1. Zaveduyushchiy otdelom okhrany truda TSentral'nogo komiteta profsoyuza rabochikh avtotransporta i shosseynykh dorog SSSR.
(Transport workers) (Transportation, Automotive--Safety measures)

ARKHANGEL'SKIY, Yu. A.

Safety measures for automobiles using ethylized gasoline. Avt.transp. 34 no.2:21 F '56. (MLRA 9:7)

1.TSentral'nyy komitet profsoyuza rabochikh avtomobil'nogo transporta i shosseynykh dorog SSSR.
(Automobiles--Fuel systems)

ARKHANGEL'SKIY, Yu.

ROSINSKIY, A.; ARKHANGEL'SKIY, Yu.

Simple pumps for gasoline transfusion. Avt.transp. 35 no.7:35 Jl '57. (MLRA 10:8)

(Pumping machinery)

ARKHANGEL'SKIY, Yu.

Improving the ventilation of production premises. Avt. transp. 36 no.3:29 Mr '58. (MIRA 11:3)

(Ventilation)

ARKHANGEL'SKIY, Yu.

Further improvement of working conditions. Avt. transp. 36 no.11:1-2 N '58. (MIRA 11:11)

1. Tekhnicheskiy inspektor TSentralogo Komitet a profsoyuza svyazi, rabochikh avtotransporta i shosseynykh dorog.
(Transportation, Automotive--Safety measures)

ARKHANGEL'SKIY, Yu.A.

New safety regulations. Avt.dor. 21 no.11:3 of cover N '58.
(MIRA 11:12)

1. Tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza.
(Road construction--Safety measures)

ARKHANGEL'SKIY, Yuriy Aleksandrovich; MARTENS, S.L., red.; LAKHMAN, F.Ye., tekhn.red.

[Booklet on safety measures in working with ethylated gasoline] Pamiatka po tekhnike bezopasnosti pri rabote s etilirovannym benzinom. Izd.2-e, ispr. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1959. 28 p. (MIRA 12:6)

(Gasoline--Safety measures)

ANDREYEV, Pavel Stepanovich; ARKHANGEL'SKIY, Yu.A., red.; DONSKAYA, G.D., tekhn.red.

[Bus driver's manual] Pamiatka shoferu avtobusa. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1959. 41 p. (MIRA 12:9)

(Motor bus drivers)

ARKHANGEL'SKIY, Yu., inzh.; GREPACHEVSKIY, A., inzh.

Safe filling of gasoline containers and tanks with exhaust gases. Avt. transp. 37 no.7:29-30 Jl '59. (MIRA 12:10)
(Welding--Safety measures)

ARKHANGEL'SKIY, Yuriy Aleksandrovich; FILIN, A.G., red.; GALAKTIONOVA, Ye.N., tekhn.red.

[Noise prevention in enterprises of automotive transportation] Bor'ba s shumom v avtotransportnykh predpriiatiiakh. Moskva, Nauchno-tekhn.izd-vo avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1960. 47 p.
(Acoustical engineering) (MIRA 13:12)

ARKHANGEL'SKIY, Yu.

Extensive authority. Za bezop.dvizh. no.3:14-15 Mr '60.
(MIRA 13:12)

1. Inspektor TSentral'nogo komiteta profsoyuza.
(Automobiles—Inspection) (Traffic safety)

ARKHANGEL'SKIY, Yu.

Automotive transportation workers should know about it. Okhr. truda i sots. strakh. 3 no.4:74-75 Ap '60. (MIRA 13:6)

1. Tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza rabotnikov svyazi, rabochikh avtotransporta i shosseynykh dorog.

(Transportation, Automotive--Hygienic aspects)

ARKHANGEL'SKIY Yu.A.

N.E. Zhukovskii's problem. Vest.Mosk.un.Ser.1: Mat., mekh. 15 no.3: 49-55 My-Je '60. (MIRA 13:10)

1. Kafedra teoreticheskoy mekhaniki Moskovskogo universiteta. (Mechanical movements)

ARKHANGEL'SKIY, Yu., inzh.

Noise prevention raises the level of the organization of production. Avt.transp. 38 no.10:9-11 O '60. (MIRA 13:10)
(Acoustical engineering)

ARKHANGEL'SKIY, Yuriy Aleksandrovich; AL'TSHULLER, B.N., red.; DONSKAYA, G.D., tekhn. red.

[Training in labor safety] Obuchenie bezopasnym priemam truda. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1961. 46 p. (MIRA 15:1)
(Industrial safety)

ARKHANGEL'SKIY, Yu.A., otv. za vypusk; ATABEKOV, L.P.; GUBIN, S.A.; KLEYKOV, V.S.; KOROTKOV, V.I.; KLYCHKOV, P.F.; LUTSKER, T.D.; LOBACHEV, V.M.; MEKKEL', M.A.; MANUSADZHYANTS, Zh.G.; SIVAKON', L.F.; KHAYKIN, V.A.; IOFFE, M.L., red.; NIKOLAYEVA, L.N., tekhn. red.

[Safety regulations for truck transportation enterprises] Pravila tekhniki bezopasnosti dlia predpriiatii avtomobil'nogo transporta. Moskva, Nauchno-tekhn. izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1961. 71 p. (MIRA 14:7)

1. Profsoyuz rabotnikov sviazi, rabochikh avtomobil'nogo transporta i shosseynykh dorog. TSentral'nyy komitet. 2. TSentral'nyy komitet profsoyuza rabotnikov svyazi rabochikh avtomobil'nogo transporta i shosseynykh dorog (for Arkhangel'skiy). 3. Ministerstvo avtomobil'nogo transporta Kazakhskoi SSR (for Atabekov). 4. Ministerstvo avtomobil'nogo transporta i shosseynykh dorog RSFSR (for Gubin). 5. Moskovskiy avtomobil'no-dorozhnyy tekhnikum (for Kleykov, Korotkov). 6. Moszheldoravtopogruz (for Klychkov). 7. Ministerstvo avtomobil'nogo transporta i shosseynykh dorog USSR (for Lutsker). 8. Tekhnicheskaya inspektsiya Moskovskogo gorodskogo i oblastnogo sovetov profsoyuzov (for Lobachev, Mekkel'). 9. Laboratoriya okhrany truda Nauchno-issledovatel'skogo instituta avtomobil'nogo transporta (for Manusadzhyants). 10. Ministerstvo avtomobil'nogo transporta i shosseynykh dorog Latviyskoy SSR(for Sivakon'). 11. Glavnoye upravleniye gruzovogo avtotransporta Mosgorispolkoma (for Khaykin).
(Transportation, Automotive—Safety measures)

ARKHANGEL'SKIY, Yu.

Invisible enemy. Okhr.truda i sots.strakh. 4 no.11:31-32 N '61.
(MIRA 14:12)

1. Tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza rabotnikov svyazi, rabochikh avtomobil'nogo transporta i shosseynkh dorog.

(Air--Purification)

ARKHANGEL'SKIY, Yu.

New norms for the distribution of working clothes. Avt.transp.39 no..2: 50-51 F '61. (MIRA 14:3)

1. Tekhnicheskiy inspektor TSentral'nogo Komiteta profsoyuza rabotnikov svyazi, rabochikh avtotransporta i shosseynykh dorog.
(Clothing, Protective)
(Highway transport workers)

ARKHANGEL'SKIY, Yu.

"Electronic installations for industrial safety in the machinery industry" by E.A.Petrov, N.I.Ovcharenko. Reviewed by IU.Arkhangel'skii. Okhr.truda i sots.strakh. 5 no.3:43 Mr '62. (MIRA 15:4)
(Machinery industry--Safety measures) (Petrov, E.A.)
(Ovcharenko, N.I.)

ARKHANGEL'SKIY, Yu.

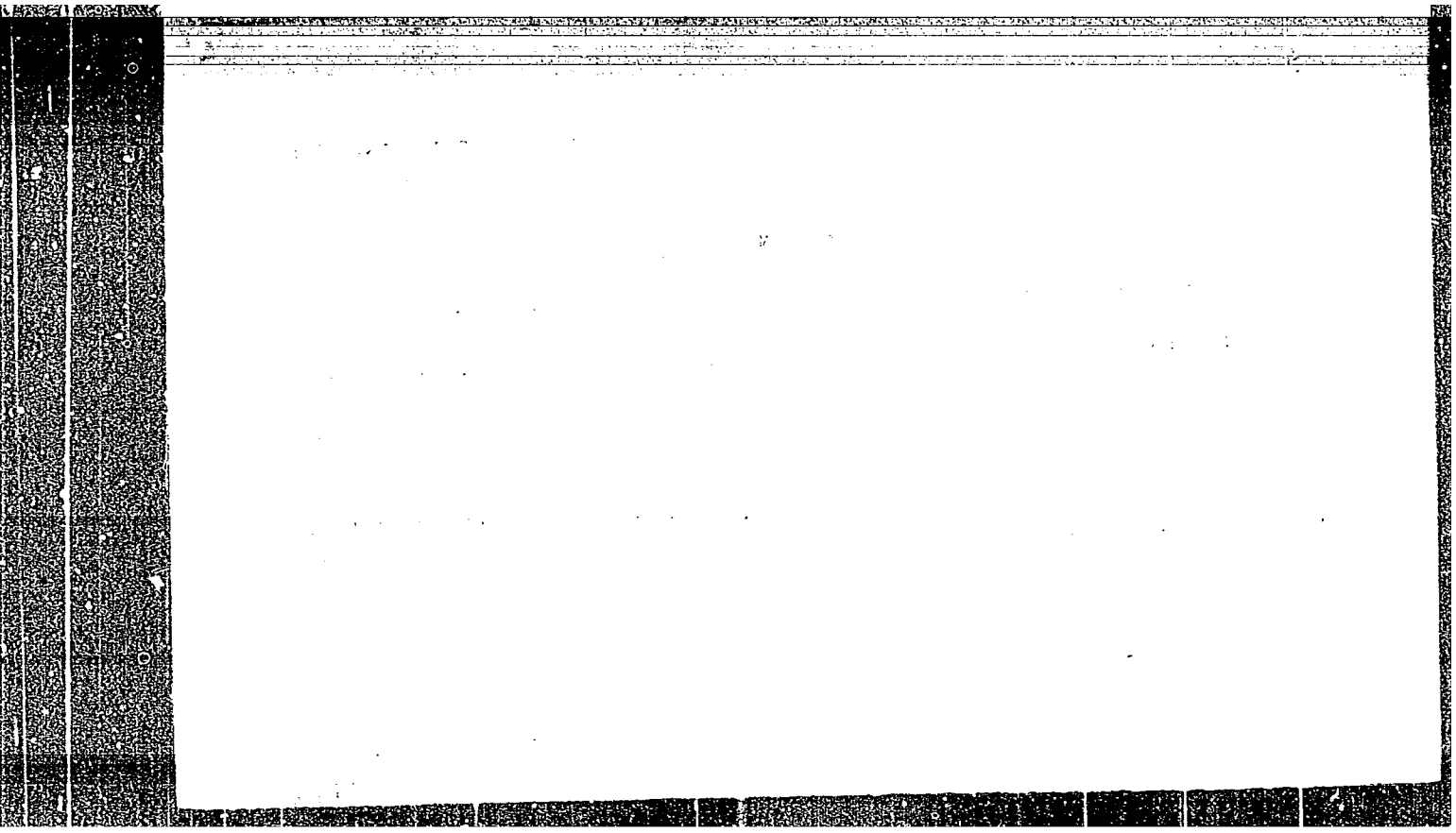
Safety regulations for the transportation of workers. Avt.dor. 25 no.5:13 My '62. (MIRA 15:6)

1. Tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza rabotnikov svyazi, rabochikh avtotransporta i shosseynykh dorog.

(Transportation, Automotive—Safety regulations)

ARKHANGEL'SKIY, Yu.; KOGAN,E.

Perfect organization and aesthetics in automotive transportation units. Avt.transp. 42 no. 4:8-10 Ap '64. (MIRA 17:5)



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of the basic amplitudes is degenerated. The initial values

ARKHANGEL'SKIY, Yu.A.

New partial solutions to the problem of motion of a heavy solid body about a fixed point. Dokl. AN SSSR 158 no.2:292-293 S '64.
(MIRA 17:10)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom A.Yu.Ishlinskim.

L 00879-67 EWT(d) IJP(c)

ACC NR: AP6019524 SOURCE CODE: UR/0020/66/168/004/0763/0765

AUTHOR: Arkhangel'skiy, Yu. A.

25 B

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosuderstvennyy universitet)

TITLE: On the first transcendental integrals of the equations of motion 16 of a heavy rigid body around a fixed point

SOURCE: AN SSSR. Doklady, v. 168, no. 4, 1966, 763-765

TOPIC TAGS: transcendental equation, transcendental integral, motion equation, celestial body motion

ABSTRACT: This article deals with the equations of motion of a heavy rigid body around a fixed point

$$A\,dp/dt + (C-B)qr = Mg(y_0\gamma'' - z_0\gamma'), \quad d\gamma/dt = r\gamma' - q\gamma'' \quad (1)$$
$$(ABC, pqr, x_0y_0z_0, \gamma\gamma'\gamma'').$$

Besides the three algebraic first integrals (energies, surfaces, and cosines), these equations obey two transcendental, time-independent, first integrals

$$\Pi_i(p, q, r, \gamma, \gamma', \gamma'') = c_i \quad (i = 4, 5), \quad (2)$$

from which the fourth leads to an algebraic integral only in three cases: Euler, Lagrange, and Kovalevskiy. A new property of this type of integral is presented in

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this article in the form of a theorem. This property can serve for determining the structure of time-independent, first transcendental integrals of this motion system. A second theorem is formulated on integrals of the system in p and q. These theorems are based on earlier work performed by the author (Prikl. matem. i mekh., 27, No. 5 (1963); DAN, 158, No. 2 (1964); DAN, 159, No. 1 (1964); and Prikl. matem. i mekh., 27, No. 2 (1963)). The basis for formulating these theorems is reviewed. The first theorem is stated as: For any time-independent transcendental first integral (2) of the system (1), the expression

$$H_0(p_1, q_1, 1, \gamma_1, 0, 1, 0) + \mu(\ldots) = c_0,$$

is such that the quantity

$$J = (\partial H_0 / \partial p_1)^2 + (\partial H_0 / \partial q_1)^2 \qquad (J \not\equiv 0)$$

disappears for values p_1, q_1, equal to $p_1(0,0)$, $q_1(0,0)$, obtained from corresponding formulae (in the earlier work), and for the value γ_1 it is equal to an arbitrary constant. The second theorem states: In the general case of a transcendental time-independent first integral of the system (1), it is not linear in p and q. This article was presented by Academician A. Yu. Ishlinskiy on 14 August 1965. Orig. art. has: 8 equations.

SUB CODE: 12, 20/ SUBM DATE: 25Jul65/ ORIG REF: 004/ OTH REF: 002

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ARKHANGEL'SKIY, Yu. A.

ARKHANGEL'SKIY, Yu. A. — "The Movement of a Goryachev-Chapygin Gyroscope." Moscow State U imeni M. V. Lomonosov. Moscow, 1956. (Dissertation for the Degree of Candidate in Physicomathematical Sciences)

SOURCE Knizhnaya Letopis', No 6, 1956

ARKHANGEL'SKIY, Yuriy Aleksandrovich; MANAKIN, N.V., redaktor; KOGAN, F.L., tekhnicheskiy redaktor.

[Safety manual for operating pressure vessels and steam boilers] Pamiatka po tekhnike bezopasnosti pri ekspluatatsii sosudov, rabotaiushchikh pod davleniem, i parovykh kotlov. Moskva, Nauchno-tekhn.izd-vo avto-transp.lit-ry, 1957. 44 p. (MIRA 10:11)
(Boilers--Safety measures) (Pressure vessels--Safety measures)

PETROV, Arkadiy Mikhaylovich; ARKHANGEL'SKIY, Yu.A., otv. red.; KONDRAT'YEVA, V.P., red.

[Prevention of accidents on wire broadcasting and communication lines] Bor'ba s travmatizmom na liniiakh radiofikatsii i sviazi. Moskva, Izd-vo "Sviaz'," 1964. 38 p. (MIRA 17:12)

AUTHOR: Arkhangel'skiy, Yu. A. (Moscow). 24-7-16/28

TITLE: Movement of a fast (Goryachev-Chaplygin) gyroscope. (Dvizheniye bystrogo giroskopa Goryacheva-Chaplygina).

PERIODICAL: "Izvestiya Akademii Nauk, Otdeleniye Tekhnicheskikh Nauk" (Bulletin of the Ac.Sc., Technical Sciences Section), 1957, No.7, pp.122-124 (U.S.S.R.)

ABSTRACT: Goryachev showed as long ago as 1900 that if certain conditions are fulfilled, namely:

$$A = B = 4C, \quad x_0 \neq 0, \quad y_0 = z_0 = 0 \tag{1}$$

$$4(p\gamma + q\gamma') + r\gamma'' = 0 \tag{2}$$

the general equations of motion of a solid body around an immobile point can be integrated and such integration was later effected by Chaplygin, S.A. using ultra-elliptical integrals. The geometrical investigation of motion of a solid body for the case that the conditions expressed by eqs. (1) and (2), are fulfilled were effected by Goryachev and Chaplygin for a narrow range of initial conditions and later by L. N. Sretenskiy (3) for the case of a gyroscope with a very high angular velocity about the main inertia axis which passes through the centre of gravity. In this

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16(1) 4

AUTHOR: Arkhangel'skiy, Yu.A.

SOV/55-58-3-5/30

TITLE: On the Unique Integrals of the Problem Concerning the Rolling of a Ball on a Plane (Ob odnoznachnykh integralakh v zadache o kachenii shara po ploskosti)

PERIODICAL: Vestnik Moskovskogo universiteta, Seriya matematiki, mekhaniki, astronomii, fiziki, khimii 1958, Nr 3, pp 33-38 (USSR)

ABSTRACT: The rolling of a heavy ball on a horizontal plane is described by differential equations which are integrated only in few cases. S.A. Chaplygin [Ref 1] investigated two special cases in which the problem is reducible to quadratures: 1. Center of gravity lies eccentrically, ellipsoid of inertia is a body of rotation, one main axis goes through the center of the sphere 2. Center of gravity lies in the center of the sphere, ellipsoid of inertia is arbitrary.
The author shows that in all cases where the integrals of the problem are unique the investigation leads to no new special cases, but always to the second case of Chaplygin mentioned above. The proof is carried out with the aid of the small parameter according to V.V. Golubev [Ref 2].

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On the Unique Integrals of the Problem Concerning the Rolling of a Ball on a Plane SOV/55-58-3-5/30

There are 3 Soviet references.

ASSOCIATION: Kafedra teoreticheskoy mekhaniki (Chair of Theoretical Mechanics)

SUBMITTED: September 2, 1957

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S/040/60/024/02/13/032

AUTHOR: Arkhangel'skiy, Yu. A. (Moscow)

TITLE: On the Stability of the Motion of a Heavy Rigid Body Around a Fixed Point in a Special Case

PERIODICAL: Prikladnaya matematika i mekhanika, 1960, Vol. 24, No. 2, pp. 294-302

TEXT: The author considers a heavy rigid body with an arbitrary ellipsoid of inertia and with a center of gravity in the main inertia plane xy. The body possesses a fixed point around which it moves as a physical pendulum. In this case the equations of motion can be rigorously solved with the aid of elliptic functions. For small deflections ψ_0 of the center of gravity out of its stable position of equilibrium the author investigates in first approximation the stability of the considered motion. The disturbed motion is described by 6 equations which are decomposed into two systems of third order independent from each other with periodic coefficients. The product of the roots of the characteristic equation of each system is equal to 1. Among others the following cases are possible: a.) If $A \geq C$, $B \geq C$, then the roots $\lambda_1, \ldots, \lambda_6$ of the complete characteristic equation can be 1.) all

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On the Stability of the Motion of a Heavy Rigid Body Around a Fixed Point in a Special Case

equal to 1, 2.) $\lambda_{1,2} = \alpha \pm i\beta$, $|\lambda_{1,2}| = 1$, $\lambda_3 = \cdots = \lambda_6 = 1$ 3.) $\lambda_1 < -1$, $\lambda_2 = [illegible]$, $\lambda_3 = \cdots = \lambda_6 = 1$ b.) If A, B, C, ψ_0, x_0, y_0 satisfy no restrictions, then only conditional stability is possible (see A. M. Lyapunov (Ref.3)). A method of J. G. Malkin (Ref.2) is used in order to construct the domains of instability.

The author thanks L. N. Sretenskiy for advices.

There are 3 Soviet references.

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SUBMITTED: May 21, 1959

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S/055/60/000/03/05/010

AUTHOR: Arkhangel'skiy, Yu.A.

TITLE: On a Problem of N.Ye.Zhukovskiy

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya I, matematika, mekhanika, 1960, No. 3, pp. 49-55

TEXT: Zhukovskiy (Ref.1) considered a beam which rests with its ends on the smooth sides of an angle, and he asked for the motion to be carried out by a living being which goes on the beam, in order that the beam remains in equilibrium. The author investigates the general problem in which a mechanic system consists of two parts and it is asked which motion has to be carried out by the second part of the system in order that the first part of the system moves in a prescribed manner. The problem is solved with the aid of Lagrange equations. In particular the case is considered where the first part of the system shall rest. As examples the author considers the above mentioned problem of Zhukovskiy, a modification of the equilibrium problem of Hamel (Ref.3), and a mathematical double pendulum. There are 3 figures and 3 references: 1 Soviet, 1 French and 1 German.

ASSOCIATION: Kafedra teoriticheskoy mekhaniki (Department of Theoretical Mechanics)

SUBMITTED: September 26, 1959

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