

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001961910005-9

YAKOVENKO, V.N.

Role of obturators in speech correction in subjects with congenital  
cleft palate. Trudy LSCMI 63:47-54 '60. (MLA 15:1)  
(CLEFT PALATE) (SPEECH THERAPY EQUIPMENT AND SUPPLIES)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001961910005-9"

YAKOVENKO, V.N.

Determination of the required lengthening of the palate in  
operative treatment of congenital cleft palate. Stomatolo-  
gia 42 no.4:58-59 Jl-Ag'63 (MIRA 1724)

1. Iz -1-y stomatologicheskoy polikliniki Leningradskogo go-  
rodskogo otdela zdorovookhraneniya.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001961910005-9

KIRILEJK, B. N., BUTENKO, V. I., SHVARTZ, Yu. N. YAKOVENKO, V.P.

Official service. Gor. zhurn. no. 10-82, O '65. (MFA 13.11)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001961910005-9"

YAKOVENKO, V.V.

Experimental investigation of hydrodynamic characteristics of  
the propeller shaft of a high-speed vessel. Trudy LPI no.248:  
121-131 '65. (MIRA 18:9)

YAKOVENKO, V. V.

Dissertation: "Distribution of Pressures on the Surface of a Vibrating Profile."  
Cand Phys-Math Sci, Leningrad Polytechnic Inst, Leningrad, 1954. (Referativnyy  
Zhurnal--Mekhanika, Moscow, Aug 54)

SO: SUM 393, 28 Feb 1955

DERGACHEVA, L.M.; YAKOVENKO, V.V.

Machine for cleaning dust off work clothes. Adm.-byt. komb.  
ugol'. shakht. no.4:34-37 '61. (MIRA 15:8)

1. Donetskij nauchno-issledovatel'skiy institut nadshakhtnogo  
stroitel'stva.  
(Work clothes--Cleaning) (Dust--Removal)

MATVEYEV, B.V.; YAKOVENKO, V.V.

Automatic ultraviolet ray clinics for individual use. Adm.-byt.  
komb. ugol'. shakht. no.4:50-52 '61. (MIRA 15:8)

1. Donetskiy nauchno-issledovatel'skiy institut nadshakhtnogo  
stroitel'stva.  
(Ultraviolet rays—Physiological effect)  
(Coal miners—Diseases and hygiene)

L 63065-65 EPF(n)-2/SWP(m)/ET(1)/EJA(d) Pd-1/Pu-4 WW

UR/2563/65/000/248/0121/0131

ACCESSION NR: A15015716

AUTHOR: Yakovenko, V. V.

26  
B+1

TITLE: An experimental study of the hydrodynamic properties of a propeller shaft for high-speed boats

SOURCE: Leningrad, Politekhnicheskiy Institut, Trudy, no. 248, 1965. Tekhnicheskaya gidrogazodinamika (Technical gas hydrodynamics), 121-131

TOPIC TAGS: hydrofoil, vessel maneuverability, propeller shaft characteristic, flat bottom boat, yawing force, Magnus effect, wind tunnel

ABSTRACT: Instantaneous pressures on a rotor surface were measured in tunnel tests (shaft at 2000 or 3500 rpm, flow velocity  $V_1 = 12, 20$  or  $35$  m/sec, angle of attack  $\alpha = 9, 14$  or  $18^\circ$ , rotor drift angle  $\beta = 0, 3, 11.5$  or  $-10.5^\circ$ , measurement point 200, 572, 944 or 1316 mm from center line of rear vertical suspension) with a hollow duraluminum cylinder (OD = 80 mm,  $\ell = 1600$  mm) to define the effects of a flat bottom in a boat on the distribution of hydrodynamic load along the length of the shaft. Another series served to define summary forces acting on the shaft ( $V_1 = 12, 20$  or  $30$  m/sec; 2000, 3500 or 5000 rpm,  $\alpha = 9, 14$  or  $18^\circ$ ,  $\beta = 0, 3$  or  $14^\circ$ ) in relation to Strouhal numbers  $Sh = 0 - 0.55$ .

Card 1/2

L 63065-65  
ACCESSION NR: A15015716

The author describes test and recording equipment and circuitry, plots data he obtained in graph form, and concludes that yawing forces of a strength sufficient to exert a noticeable effect on the vessel's maneuverability and course stability will act on a rapidly rotating propeller at some angles of drift. The Magnus effect is identified as the primary source of the substantial forces acting on a rotor in an axial flow layout. Orig. art. has 11 figures and 15 formulas.

ASSOCIATION: Leningradskiy politekhnicheskiy institut imeni M. I. Kalinina (Leningrad Polytechnic Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: ME, PR

NO REF SOV: 001

OTHER: 000

Card 2/2

ACCESSION NR: A 14041806

S. 2563, 64/000, Z(0, -013, -0)20

**AUTHOR:** Yakovenko, V. V.**TITLE:** The effect of a wake on the flow around a thick profile in nonsteady-state motion**SOURCE:** Leningrad. Politekhnicheskiy institut. Trudy\*, no. 230, 1964. Tekhnicheskaya gidromekhanika (Technical hydromechanics), 13-20**TOPIC TAGS:** hydromechanics, liquid flow, wake, thick profile, non-stationary flow, eddy shroud

**ABSTRACT:** An estimate is made of the effect of a wake in the form of an eddy shroud on the pressure distribution over a 20% balanced (symmetrical) profile of N. Ye. Z Zhukovskiy giving off torsional, harmonic vibrations in an air flow. The profile assumed to be moving forward in an unlimited liquid with a velocity of  $V_0$  with respect to a motionless system of coordinates  $x_0, y_0$ , and to be rotating with an angular velocity of  $\Omega$  around a certain pole  $0$ , with which is combined the origin of movable  $x, y$  coordinate system. The value of the pressure at the point of the profile for the region of non-stationary movement of the liquid is determined by means of a Lagrange integral. The concept of quasi-constant circulation is introduced and formulas are given for

L 10679-65

ACCESSION NR: AT4041806

calculating the perturbation velocities. The value of the quasi-constant circulation, according to the Zhukovskiy postulate, is determined on the basis of the condition of finiteness of the velocity tangent on the sharp edge of the profile

$$\left( \frac{d\phi_s(0)}{Re} \right)_{A_\infty} = 0. \quad (1)$$

The author shows that the curves of instantaneous pressures at the profile vibration phases considered differ considerably from the static pressure curves for the corresponding angles of attack, and that a trace of the physical configuration adopted in the study has a noticeable effect on the distribution of pressures over the vibrating profile. Orig. art. has: 2 figures and 22 formulas.

ASSOCIATION: Leningradskiy politekhnicheskiy institut imeni M. I. Kalinina  
(Leningrad Polytechnical Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: ME

NO REF Sov: 004

OTHER: 000

2/2  
Card

ACC NR: AT7005309

SOURCE CODE: UR/2563/66/000/265/0123/0128

AUTHOR: Yakovenko, V. V.

ORG: none

TITLE: Composite aerodynamic characteristics of a thick wing in unsteady motion

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 265, 1966. Gidrogazodinamika (Hydraulic and gas dynamics), 123-128

TOPIC TAGS: subsonic aerodynamics, aircraft wing, oscillation, pressure distribution, aerodynamic characteristic, aerodynamic lift, aerodynamic moment, torsional flutter

ABSTRACT:

An experimental investigation of total aerodynamic characteristics of a wing of finite thickness subjected to high-amplitude angular oscillations in a gas flow of 22.8 m/sec. velocity is reported. The experimental model and techniques are described. The time dependence of lift and moments are determined here by integrating the characteristic curves of instantaneous pressure distributions previously determined experimentally by the author. This makes it possible, in spite of laborious calculations, to predetermine one or another characteristic structures of the flow near an oscillating wing. Analysis of the results presented in graphs for the coefficient of

Card 1/2 .

UDC: none

ACC NR: AT7005309

normal forces and moments show that the moments of aerodynamic forces not only do not damp oscillations, but, on the contrary, tend to increase their angular oscillation amplitude. They also make it possible to elucidate to a certain degree, the mechanism of torsional flutter of a thick wing. The calculations of coefficients of rotary derivatives with the aid of data obtained on aerodynamic forces and moments by the method proposed by S. M. Belotserkovskiy are presented. They determine completely the dynamic effect of flow on an oscillating wing. Orig. art. has: 3 figures, 3 formulas, and 2 tables. [AB]

SUB CODE: 01/ SUBM DATE: none/ ORIG REF: 005/ ATD PRESS: 5115

Card 2/2

YAKOVENKO, V.Ya., kand.tehnicheskikh nauk; ISAROVA, L.Yu., nauchnyy sotrudnik

Physical and biochemical characteristics of shelled and unshelled corn harvested at various stages of ripening. Trudy VNIZ no. 38:233-242 '60. (MIRA 15:12)

1. Odesskiy tekhnologicheskiy institut imeni Stalina.  
(Corn (Maize)--Analysis and chemistry)

DZHAMALOV, O.B., doktor ekon. nauk; VOLOTKO, N.A.; YUN, D.N.,  
kand. ekon. nauk; FOFONOV, B.M., kand. ekon. nauk;  
KALYAKIN, P.V., kand.ekon. nauk; DESYATCHIKOV, B.A.,  
kand. ekon. nauk; KHUDKOVSKIY, A.B., kand. ekon. nauk;  
ARTYKOV, A., kand. ekon. nauk; FOKIN, A.I.; UL'MASOV, A.,  
kand. ekon. nauk; YAKOVENKO, Ye., red.; BAKHTIYAROV, A.,  
tekhn. red.

[Principles of the economics of Uzbekistan industry] Osno-  
vy ekonomiki promyshlennosti Uzbekistana; uchebnoe posobie  
Tashkent, Gosizdat UzSSR, 1963. 282 p. (MIRA 17:1)

YAKOVENKO, Ye.G., assistant

Some problems in the specialization by party in machinery plants. Izv. vys. ucheb. zav.; mashinostr. no.2:200-207 '64.  
(MIRA 17:5)

1. Moskovskiy institut stali i splavov.

84639

S/076/60/034/010/022/022  
B015/B064

11360

AUTHORS: Gurman, V. S., Yakovenko, Ye. I., Papisova, V. I.

TITLE: Influence of the Phase Transitions<sup>1</sup> in the Matrix Upon the Annihilation of the Radicals<sup>1</sup> Formed in the Photolysis of a Frozen 25% H<sub>2</sub>O<sub>2</sub> Solution in Water

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 10, p. 2372

TEXT: In the course of investigations of kinetic laws of the concentration and recombination of radicals, forming in water in a photolysis by ultraviolet light of a 25% frozen H<sub>2</sub>O<sub>2</sub> solution, by the method of the

electron paramagnetic resonance the authors observed that the processes of the phase transformations in the matrix influence the recombination of the radicals. Allen and Stoyn (Ref. 1) have already assumed the possibility of such an influence. The spectrum of the electron paramagnetic resonance of the radicals, in samples irradiated at - 196°C, changes somewhat at a temperature increase to - 130°C, and in the range of from - 125°C to - 120°C the radicals vanish completely. When the irradiation temperature of the samples is over - 115°C, the radicals form again and remain stable

X-

Card 1/2

84639

Influence of the Phase Transitions in the S/076/60/034/010/022/022  
Matrix Upon the Annihilation of the Radicals B015/B064  
Formed in the Photolysis of a Frozen 25% H<sub>2</sub>O<sub>2</sub> Solution in Water

until - 53° C are reached to be then rapidly annihilated again. The thermograms of the non-irradiated samples show that at - 116° C an exothermic phase transition begins, and at - 53° C an endothermic transition. According to Chormley (Ref. 2), the transition from the amorphous to the crystalline ice takes place at - 120° C. N. Ye. Mironov and A. G. Bergman (Ref. 3) observed the formation of a eutectic in the system H<sub>2</sub>O<sub>2</sub> - H<sub>2</sub>O at - 52.5° C. Thus, it was shown that under the conditions of the present experiments, the phase transitions in the matrix cause a rapid annihilation of the frozen radicals.

[Abstracter's note: This is a summarized translation]

There are 1 figure and 3 references: 1 Soviet and 2 British.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova  
(Moscow State University imeni M. V. Lomonosov)

SUBMITTED: April 20, 1960

Card 2/2

SHVED, V.I.; AFONIN, V.D.; BOLDINSKIY, Z.I.; YAKOVENKO, Ye.P.,  
red.

[Repair and testing of heavy electrical equipment at the  
Chirchik Electrochemical Combine] Remont i ispytanije krup-  
nogo elektrooborudovaniia na Chirchikskom elektrokhimiche-  
skom kombinat'e. Tashkent, Gosizdat UzSSR, 1962. 115 p.  
(MIRA 18:3)

KEL'BERT, D.L.; KHODZHAYEV, F.Kh., red.; KUVALDIN, V.A., red.;  
YAKOVENKO, Ye.P., red.

[Safety measures in mechanizing heavy and labor-consuming  
work in the cotton and bast industries] Tekhnika bez-  
opasnosti pri mekhanizatsii tiazhelykh i trudoemkikh rabot  
v khlopkovoi i lubianoi promyshlennosti. Tashkent, Gosiz-  
dat Uzb.SSR, 1962. 181 p. (MIRA 17:5)

KORZHENEVSKIY, N.L. [deceased], red.; BABUSHKIN, L.N., doktor geogr.  
nauk, stv.red.; DONSKOY, P.V., red.; YAKOVENKO, Ye.P., red.;  
GOR'KOVAYA, Z.P., tekhn.red.

[Natural conditions and resources of the Amu-Darya lower  
reaches; the Kara Kalpak A.S.R. and Khorezm Province of the  
Uzbek S.S.R.] Prirodnye usloviia i resursy nizov'ev Amu-Dar'i  
(Kara Kalpakskaia ASSR i Khorezmskaia oblast' UzSSR).  
Tashkent, Izd-Vo Akad nauk Uz.SSR, 1959. 350 p. (Materialy  
po proizvoditel'nym silam Uzbekistana no.10).

(MIRA 13:2)

(Amu-Darya Valley--Physical geography)

SMOL'SKIY, Kazimir Vsevolodovich; VELIULLAYEV, Abdurakhman  
Muradovich; YAKOVENKO, Ya. P., red.; SALAKHUTDINOVA, A.,  
tekhn. red.

[How to save electric power] Kak ekonomit' elektroenergiu;  
opyt zavoda "Uzbekkhimmash". Tashkent, Gosizdat UzSSR, 1962.  
53 p. (MIRA 16:5)

(Electric power)

MOSHKOV, Aleksey Dmitriyevich; YAKOVENKO, Ye.P., red.; SALAKHUTDINOVA, A.,  
tekhn. red.

[Friction and wear of porous ceramic metal materials]Trenie i  
iznos poristykh materialov]Trenie i iznos poristykh metallo-  
keramicheskikh materialov. Tashkent, Gosizdat UzSSR, 1962.  
(MIRA 15:11)

101 p.

(Ceramic metals)

(Mechanical wear)

BOBYLEVA, Vera Ivanovna; GUSHCHA, Petr Kazimirovich; YAKOVENKO,  
Ye.P., red.; ABBASOV, T., tekhn. red.

[Asphalt concrete pavements] Asfal'tobetonnye pokrytiia.  
Tashkent, Gosizdat UzSSR, 1962. 62 p. (MIRA '16:7)  
(Asphalt concrete)

MUN'KO, N.P.; KALLAGOV, A.I., spets. red.; YAKOVENKO, Ye.P.,  
red.; SALAKHUTDINOVA, A., tekhn. red.

[Gas industry of Uzbekistan] Gazovaia promyshlennost'  
Uzbekistana. Tashkent, Gos.izd-vo UzSSSR, 1963. 229 p.  
(MIRA 16:7)

(Uzbekistan--Gas industry)

KULAKOVSKIY, I.V.; VASHCHENKO, Ye.A.; LOBANOVSKIY, G.A.; YAKOVENKO, Ye.P.;  
BESSONOV, A.A.; GLOBIN, N.M.; PERCHANOK, B.Kh.

From the pages of "Biulleten izobretenii i tovarnykh znakov."  
Elek. stat. 35 no.1:37 Ja '64. (MIRA 17:6)

YAKOVENKO, Ye.Ye., nauchnyy sotrudnik

Disinfecting potatoes against rhizoctonia and potato scab.  
Zashch. rast. ot vred. i bol. 6 no.5:25 My '61. (MIRA 15:6)

1. Laboratoriya zashchity rasteniy Chitinskoy sel'skokhozyaystvennoy  
opytnoy stantsii, st. Darasun.  
(Chita Province—Potatoes—Diseases and pests)

SHTOKMAN, Il'ya Grigor'yevich; YAKOVENKO, Yu.P., inzh., otv.red.;  
KOLOMIYTSEV, A.D., red.izd-va; IL'INSKAYA, G.M., tekhn.red.

[Dynamics of mine conveyer traction chains] Dinamika  
tiagovykh tsepei rudnichnykh konveierov. Moskva, Ugletekh-  
izdat, 1959. 289 p. (MIRA 12:9)  
(Conveying machinery) (Mine haulage)

16,5000 (103) 1135,1064)

21042

S/103/61/022/008/011/015  
D274/D302

AUTHORS: Litovchenko, Ts.G. and Yakovenko, Yu.P. (Moscow)

TITLE: Analytical and structural description of mechanical transmission in automatic control systems with restrictions and backlashes

PERIODICAL: Avtomatika i telemekhanika, v. 22, no. 8, 1961,  
1100-1107

TEXT: An attempt is made at a simple structural description of backlashes and restrictions, all the essential features of collision effects and elastic properties of mechanical transmission with backlashes and restrictions being taken into account. The method proposed makes it possible to carry out grapho-analytic computations and simulation in a sufficiently simple way; previous methods did not have this advantage. Equations are derived which describe the rotation of two bodies which are divided by a backlash, elastic properties being taken into account. A block diagram of the system described by the equations is given. It is simple and can be readily

Card 1/3

Analytical and structural...

2481,2  
S/103/61/022/008/011/015  
D274/D302

simulated, without requiring the computation of initial conditions in passing from separate motion of elements to joint motion. If the relationship between the moment  $M$  (between the bodies) and the elastic deformation  $\delta$  (which takes account of the backlash) is non-linear, the structural diagram remains the same with the exception of the non-linear unit (where half-lines are replaced by curves). If the inertial and position moments are absent, the backlashes are described by hysteresis loops (in the case of infinitely great rigidity of transmission). Restrictions in the motion of elements of mechanical transmission can be considered as particular cases of backlash. In the structural diagram of motion with restrictions, a non-linear characteristic of dead-zone type is found in the feedback circuit. Influence of internal forces of dissipation is examined. Energy is dissipated by collisions. An accurate description of this effect is very complicated. However, for structural description a simplified picture is sufficient. It is assumed that plastic deformations do not occur; hence the dissipation is a function of elastic deformations only. This relationship can be given in two ways: a) It is assumed that the dissipation force is directly proportional to

Card 2/3

24842

S/103/61/022/008/011/015  
D274/D302

Analytical and structural...

the rate of elastic displacement of one body with respect to the other; b) The energy dissipated by the collision of two bodies is proportional to the absolute length of elastic displacement between the two bodies. It is possible to use a similar method for calculating energy dissipation by other elastic deformations of control-system elements, (not only by backlashes and restrictions). Examples are given which illustrate the method on systems with backlashes. There are 6 figures and 4 Soviet-bloc references.

SUBMITTED: June 1, 1960

Card 3/3

FINKEL'SHTEYN, G.E.; VAYSMAN, L.M.; LANTSETER, Ye.M.; Prinimali uchastye: GIL'BERG, V.B., inzh.; BELEN'KIY, D.S., inzh.; IVANOVA, V.A., inzh.; PEDOSENKO, V.A., inzh.; YAKOVENKO, Yu.B., inzh.

Device for technological control of the content of current-conducting inclusions in condenser paper. Bum. i der. prom. no.4:6-12 O-D '63. (MIRA 17:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut bumazhnay promyshlennosti.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001961910005-9

GRAYPEL', S.; YAKOVENKO, Yu.

Practice shows. Voen. znan. 41 no.9:20-21 S '65.

(MIRA 12:10)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001961910005-9"

CHOPOROVA, M.I., kand. med. nauk; YAKOVENKO, Z.F., kand. med. nauk

Results of a study of diseases caused by adenoviruses in  
Odessa. Vrach delo no.2:109-111 F'64 (MIRA 17:4)

1. Virusologicheskoye otdeleeniye Odesskogo nauchno-issledovatel'skogo instituta epidemiologii i mikrobiologii imeni I.I.Mechnikova.

YAKOVENKO, Z.S.; ZUEKO, L.A.

On the viral etiology of acute respiratory diseases. Vop. virus  
9 no.43459-462 JI-Ag '64

1. Ossaskiy institut epidemiologii i mikrobiologii imeni I.I.  
Mechnikova.

YAKOVENKO, Z.L.

MOROZOVA, M.G.; TROFIMOV, K.A.; MAKSIMOVA, T.K.; TURONOK, L.F.; ABAKUMOVA, A.I.; GIADKIKH, V.G.; YAKOVENKO, Z.L.; KUZNETSOVA, V.I.; DUSHKINA, M.M.; LEYBIN, I.S., polkovnik meditsinskoy sluzhby; DEKHTYAR', S.M., mayor meditsinskoy sluzhby.

Viacheslav Vasil'evich Aliakritskii. Arkh.pat. 15 no.2:95-96 Mr-Ap '53.  
(MLRA 6:5)

1. Kafedra patologicheskoy anatomii. 2. Gorodskaya prozektura. 3. PAL.  
(Aliakritskii, Viacheslav Vasil'evich, 1835-)

MOROZOVA, M.G., dotsent; DUSHKINA, M.M., assistent; MAKSIMOVA, T.K.,  
assistant; TURONOK, L.F., assistent; YAKOVENKO, Z.L., assistent

Viacheslav Vasil'evich Aliakritskii (1885-1960); obituary. Arkh.  
pat. 22 no.5:92-93 '60. (MIRA 13:9)  
(ALIAKRITSKII, VIACHESLAV VASIL'EVICH, 1885-1960)

BOK, I.I.; BARBOT de MARNI, A.V.; VISLOGUZOVA, A.V.; GALIYEV, M.S.; LI, A.B.; LOMONOVICH, M.I.; YAKOVENKO, Z.V.; ASSING, I.I.; NURMANGALIYEV, A.B.; SOKOLOV, S.I.; GRIGOR'YEVA, Ye.P.; SEROV, N.P.; LEONOV, G.M.; ZAKHAROV, B.S.; ZAGAINOV, V.I.; BOROVSKIY, V.M.; LITVINNOVA, A.A.; POGREBINSKIY, M.A.; NASONOVA, O.M.; KHAYDAROV, R.M.; SUVOROVA, R.I., red.; ALFEROVA, P.F., tekhn. red.

[Ili Valley, its nature and resources] Iliiskaia dolina, ee priroda i resursy. Pod obshchel red. M.I.Lomonovicha. Alma-Ata, Izd-vo AN Kaz.SSR, 1963. 338 p. (MIRA 16:8)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut geologicheskikh nauk. 2. Nauchnyye sotrudniki Instituta geologicheskikh nauk AN KazSSR (for Bok, Barbot de Marni, Visloguzova, Galiyev, Li, Lomonovich, Yakovenko). 3. Institut pochvovedeniya AN KazSSR (for Assing, Nurmangaliyev, Sokolov, Borovskiy, Litvinova, Pogrebinskiy). 4. Institut botaniki AN KazSSR (for Grigor'yeva, Nasanova). 5. Institut zoologii AN KazSSR (for Serov). 6. Kazakhskiy politekhnicheskiy institut (for Leonov). 7. Ministerstvo sel'skogo khozyaystva KazSSR (for Zakharov). 8. Kazanskiy filial Instituta "Gidroproyekt" im. S.Ya.Zhuka (for Khaydarov).

(Ili Valley--Physical geography)

YAKOVER, L.

Establishing connections between subjects. Geog. v shkole 24  
no.4:63-66 Jl-Ag '61. (MIRA 14:8)

1. 544-ya shkola Moskvy.  
(Geography--Study and teaching) (History--Study and teaching)

YAKOVER, L.B. (Moskva, 568-ya shkola)

Excursion lesson on the school water supply system. Fiz.v shkole  
22 no.1:92 Ja-F '62. (MIRA 15:3)  
(Water-supply engineering--Study and teaching)

YAKOVER, M.; LUKSHENAS, Yu.

Students' expeditions for the study of local geography. Geog. v  
shkole 26 no.1:54-56 Ja-F '63. (MIRA 16:5)  
(School excursions) (Geography--Study and teaching)

YAKOVER, M. B.

Defended his Candidates dissertation in the Geography Faculty of Moscow State University on 3 July 1952.

Dissertation: "The Don-Khoper Interfluence (Physical-Geographical Characteristics)."

SO: Vestnik Moskovskogo Universiteta, Seriya Fiziko-Matematicheskikh i Yestestvennykh Nauk, No. 1, Moscow, Feb 1953, pp 151-157: transl. in W-29782, 12 April 54, For off. use only

L 24310-66 EWT(1)/FCC/EWA(h) GW

ACC NR: AR6005254

SOURCE CODE: UR/0058/65/000/009/H020/H020

AUTHORS: Zelenkov, V. Ye.; Yakovets, A. F.; Kuzin, B. I.; Drobzhev, V. I.

39 R

TITLE: Measurement of collision frequency in the F2 layer

SOURCE: Ref. zh. Fizika, Abs. 9Zh153

REF. SOURCE: Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te, vyp. 45, 1964, 236-239

TOPIC TAGS: ionospheric radio wave, ionospheric physics, particle collision ,

F layer

ABSTRACT: The method of measuring the coefficient of reflection of radio waves from an ionosphere layer is used to determine the effective collision frequency in the F<sub>2</sub> layer. For measurements over the period from 18 through 25 April 1962, a value  $v_{ef} = 0.5 - 5.5 \cdot 10^3 \text{ sec}^{-1}$ . It is noted that with increase in  $v_{ef}$  the degree of turbidity of the atmosphere increases and the velocity  $v_0$  of random motion decreases.

[Translation of abstract]

SUB CODE: 04, 20

Card 1/1 ✓

YEGOROV, A.S.; YAKOVETS, B.N.

Interdependence between the level of the work capacity and the pattern of a fatigue curve in muscular work as affected by the subjects' comprehension of a task and their attitude toward it.

Vop. psichol. 11 no.1:93-99 Ja-F '65.

(MIRA 18:4)

1. Kafedra psichologii Instituta fizicheskoy kul'tury imeni P.F.Lesgafta, Leningrad.

YAKOVETS, D.

Getting afloat and towing the grounded diesel-electric ship  
"Yenisey". Mar. flot 25 no.4:21-22 Ap '63. (MIRA 18:6)

3. Nachal'nik providenskoy gruppy ASPTR Dal'nevostochnogo parokhodstva.

GLUSHCHENKO, Mina Semenovich, inzh.; KUZNETSOV, Boris Vasil'yevich,  
inzh.; SHPINAR, Ivan Ivanovich, inzh.; YAKOVETS, G.A., inzh.,  
retsenzent; LESOVAYA, Ye.Ye., red.; ROZUM, T.I., tekhn.red.

[Motorboat engines] Lodochnye dvigateli. Kiev, Gostekhizdat,  
USSR, 1963. 179 p. (MIRA 16:12)  
(Motorboat engines)

YAKOVETS, N. I. (Kiev)

A forgotten aspect. Apt.delo 4 no.1:6-7 Ja-F '55

(MIRA 8:4)

(PHARMACY,  
in Russia)

YAKOVETS, N.M.

Test for the determination of the level of vitamin C in the body.  
Vrach.delo no.2:118-120 F '63. (MIRA 16:5)

1. Mafedra gigiyeny detey i podrostkov Kiyevskogo meditsinskogo  
instituta. (MEDICAL TESTS) (ASCORBIC ACID)

ZIZIN, V.G.; PROSKURYAKOV, L.M.; YAKOVETS, V.V.; SHKLOVSKIY, Ya.A.

Continuous titrimeter for indicating the maximum hardness of water.  
Trudy Bash NIIINP no. 5:296-298 '62. (MIRA 274.0)

YAKOVETS, Yuriy Vladimirovich; ASTAKHOV, V.D., red.; KUN'KIN,  
B.I., red.

[Methodology of price determination in the mining industry]  
Metodologija tsenoobrazovaniia v gornodobyvaiushchej pro-  
myshlennosti. Moskva, Ekonomika, 1964. 214 p.  
(MIRA 17:12)

1. Zaveduyushchiy kafedroy politicheskoy ekonomii Leningrad-  
skogo gornogo instituta (for Yakovets).

SOV/94-58-12-9/19

AUTHORS: Strakhov, K.I., Andrianov, S.I., Yakovlev, V.A., Ivanchenko, I.N. and Yakovich, A.I.

TITLE: A Continuously Operating Induction Heater for Heating Hot Stamping Tools (Induktsionnyye nagrevateli nepreryvnogo deystviya dlya nagreva shtampov)

PERIODICAL: Promyshlennaya Energetika, 1958,<sup>13</sup> Nr 12, pp 20-21 (USSR)

ABSTRACT: Hot stamping tools are usually heated by tubular heaters but it takes a long time to heat the tools up in this way. The authors have developed a method of using induction heating for these tools. Insulated conductors are inserted in the tools as shown in the sketch and a 50 kVA transformer is used for supply. Conductor dimensions and current ratings are given. An electronic temperature controller is used. With this method of heating the tools are heated continuously and uniformly, the heating time is cut by a factor of five and is now 1.5 to 2 hours, production is of better quality and the power consumption is much less. This suggestion was

Card 1/2

SOV/94-58-12-9/19

A Continuously Operating Induction Heater for Heating Hot Stamping Tools

awarded a fourth premium in an All-Union Power Economy competition. There is 1 figure.

Card 2/2

PARIKOZHKA, I.A.; PUGACH, A.B.. Prinimali uchastiye: PASHCHENKO, Z.S.;  
FURMAN, I.I.; TRUSKALOV, N.P.; SHEVCHENKO, A.Ye.; SAKHAROVA,  
T.M.; TROKHINA, Zh.G.; LEVINOV, K.G.; YAKOVICH, A.Ye.; SALITAH,  
L.S., red.; SHAFER, G.I., tekhn.red.

[Manual on electric measurements of long-distance communication  
lines] Rukovodstvo po elektricheskim izmereniyam mezhdugorodnykh  
linii svyazi. Moskva, Gos.izd-vo lit-ry po voprosam svyazi i  
radio, 1960. 194 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye mezhdugorodnoy  
telefonomo-telegrafnoy svyazi. 2. Kiyevskoye otdeleniye TSentral'-  
nogo nauchno-issledovatel'skogo instituta svyazi (for Parikozhka,  
Pugach, Pashchenko, Furman, Truskalov, Shevchenko, Sakharova,  
Trokhina). 3. TSentral'nyy nauchno-issledovatel'skiy institut  
svyazi (for Levinov, Shvartsman). 4. UMOKS (for Yakovich).

(Telecommunication) (Electric measurements)

YAKOVICH, L.G. (Moscow).

Prevention and therapy of sacrolumbar radiculitis under rural  
conditions. Fel'd.i akush. no.4:11-15 Ap '54. (MLRA 7:4)  
(Nerves, Spinal--Diseases)

YAKOVICH, L.G.

[Lumbosacral radiculitis] Poiasnichno-krestsovyyi radikulit. Moskva,  
Medgiz, 1956. 14 p.  
(NERVES, SPINAL—DISEASES)

YAKOVIN, A.A.; DEMENKO, I.M.; MIZ', L.N.; GORYNYA, A.A., kand.  
fiz.-mat.nauk, otv. red.

[Formulas and ephemerides for field observations on the  
moon] Formuly i efemeridy dlja polevykh nabliudenii na  
Lune. Kiev, Naukova dumka, 1964. 148 p. (MIRA 17:8)

YAKOVIN, F.P., inzh.; GUBERNSKAYA, L.T., red.; KOLOMEYER, V.Z., tekhn.red.

[Manufacture of wood-fiber boards in Sweden] Proizvodstvo drevesno-voloknistykh plit v Shvetsii. Moskva, TSentr.biuro tekhn. informatsii bumazhnoi i derevoobrabatyvaliushchei promyshlennosti, (MIRA 13:6) 1959. 26 p.

1. Akademiya stroitel'stva i arkhitektury SSSR.  
(Sweden--Wood, Compressed)

YAKOVIN, F.

Automatic production of wood fiber blocks. Ma stroi.Ros.  
no.12:28-29 D '61. (MIRA 16:1)

1. Glavnnyy inzh. derevoobdelochnogo kombinata No.4 Glavnogo  
upravleniya promyshelnosti stroitel'nykh materialov i stroi-  
tel'nykh detaley.

(Hardboard)

S/3070/63/000/000/0094/0097

ACCESSION NR: AT4013979

AUTHOR: Lange, Yu. V.; Gol'den, A. D.; Yakovis, S. L.

TITLE: The IAD-2 defectoscope for inspection of joints by the acoustic impedance method

SOURCE: Novy\*ye mashiny\* priby\* dilya ispy\*taniya metallov. Sbornik statey. Moscow,  
Metallurgizdat, 1963, 94-97

TOPIC TAGS: acoustic impedance defectoscope, defectoscope, mechanical impedance,  
joint inspection, metal joint

ABSTRACT: One of the most universal and effective methods for inspection of glued,  
soldered, and thermo-diffusion joints in multilayer structures is the acoustic impedance  
method. This method is based on evaluation of the mechanical impedance of an article on  
excitation of flexural vibrations in it, and is successfully and widely used in industry for  
detection of defective joints between the skin and rigid elements (spar, rib, etc.) or  
fillers (foam layer, honeycomb). Inspection is by the IAD-1 defectoscopes, an experimental

Card 1/6

ACCESSION NR: AT4013979

series of which was produced by the "Elektrotachpribor" plant in 1960. The authors have now developed the IAD-2 acoustic impedance defectoscope, an improved version of IAD-1. The block diagram of the IAD-2 is shown in Fig. 1 of the Enclosure. The sound generator 1 feeds the piezoelectric element 2 which excites elastic vibrations in the bar 3 of the pick-up. At the lower end of the bar, the force-measuring piezoelectric element 4 is located and connected to the input of amplifier 5. The pick-up touches the article to be inspected through contact tip 6. When the pick-up is not pressed against the article, the force acting on the piezoelectric element 4 is determined only by the inertia resistance of the contact tip, which is small due to the small mass of the tip and the relatively low frequency used. Therefore, in that condition, the electric potential of the element is close to zero. This potential increases substantially when the pick-up exerts pressure on the article. At the same exerted pressure, the potential increase is greater at higher values of mechanical impedance of the article at the contact point with the pick-up. A defect of a connection inside the article causes a sharp decrease of mechanical impedance, and therefore of the potential of the force-measuring piezoelectric element. Potential variations of the sensor are indicated by an electric dial gage 7 at the output of an amplifier 5.

Card 2/6

ACCESSION NR: AT4013979

At a certain low value of the dial indication, relay 8 switches on the signal lamp 9. The defectoscope IAD-2 works with a pick-up of the type DI-1 (Fig. 2 of the Enclosure). The emitting 1 and force-measuring 2 piezoelectric elements are of barium titanate. The sound-conducting bar 3 is of organic glass and has the form of a truncated cone. A steel cylinder 4 serves as a relecting mass and increases the effectiveness of the emitting piezoelectric element 1. The contact tip 5 is of wear-resistant hardened steel ShKh15 with a radius of curvature of 20 mm. In bar 3, near the emitter, a shield 6 cuts the capacitative coupling between elements 1 and 2. Shielded leads 7 connect the pick-up to the defectoscope, and are protected and supported by a steel coil spring 8. A brass ring 9 protects the element 2 from mechanical damage and shields it from electrical disturbances. A signal lamp 10 is housed in the body 11 of the pick-up. The fundamental electrical scheme has been described by the authors in detail. The range of frequencies of the sound generator in the defectoscope is 1 to 8 kilocycles/sec. The IAD-2 defectoscope can be used as part of a semi-automatic installation for mechanized inspection, with recording of the results on thermoelectric paper. The defectoscope is fed from a 220-volt supply circuit, and the power requirement does not exceed 100 W. The weight is 11 kg. During

Card 3/6

ACCESSION NR: AT4013979

inspection of joints, the operator moves the pick-up smoothly, pressing its tip lightly against the surface of the inspected article. The presence of a defect is reported by a signal light installed in the pick-up. The possibilities of the acoustic impedance method of inspection, and the tuning procedures for instruments, have already been discussed in the literature by Yu. V. Lange (Zavodskaya Laboratoriya, XXVI, 7 842(1960)). Laboratory and production tests carried out with the IAD-2 defectoscope have shown its considerable advantages over the IAD-1. For example, inspection of honeycomb sandwich panels having a thin (0.25 mm) duraluminum skin and large honeycomb (side=6mm) cells, when performed with the IAD-1, defectoscope, is possible only when a special and inconvenient pick-up is applied. With the IAD-2, the same task can be performed with a standard pick-up. Orig. art. has: 4 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 20Feb64

ENCL: 02

SUB CODE: MM, EE

NO REF SOV: 002

OTHER: 000

Card 4/6

TRANSMITTED WAVELENGTH SCALES

ACCESSION NR: AT4013979

ENCLOSURE: 01

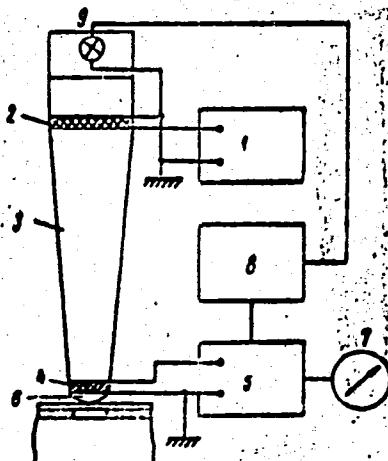


Fig. 1. Block Diagram of the Acoustic Impedance Defectoscope

(1) sound generator, (2) piezoelectric element (sound emitter), (3) sound-conducting bar, (4) piezoelectric element (dynamometer), (5) amplifier, (6) contact tip, (7) electric dial gage, (8) relay, (9) signal lamp

Card 5/6

ACCESSION NR: AT4013979

ENCLOSURE 02

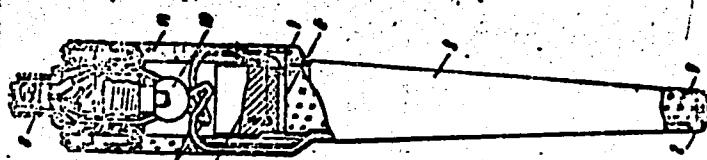


FIG. 2. Schematic Illustration of Pick-up

- (1) sound-emitting piezoelectric element, (2) force-transducing piezoelectric element,  
(3) sound-conducting bar, (4) reflector, (5) contact tip, (6) shield, (7) shielded leads,  
(8) external support and protection coil, (9) brass ring, (10) signal lamp, (11) body

Card 6/6

GALANOMATIS, A.; YAKOVITSKIY, A., starshiy prepodavatel'

Economic conference in an enterprise. Sots.trud 7 no.7:151-152  
J1 '62. (MIRA 15:8)

1. Nachal'nik planovo-proizvodstvennogo otdela Kazakhskogo zavoda sel'skokhozyaystvennogo mashinostroyeniya (for Galanomatis).
2. Ekonomicheskiy fakul'tet Kazakhskogo gosudarstvennogo universiteta im. S.M.Kirova (for Yakovitskiy).  
(Tselinograd--Agricultural machinery industry--Congresses)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001961910005-9

KOSUKHIN, S.; YAKOVITSKIY, A.

Tested and confirmed. Voen. Znan. 41 no.5:28-29 My '65. (MIRA 18:5)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001961910005-9"

BURDIN, N.K.; YAKOVITSKIY, G.N., red.

[Intersection and development of surfaces; methodological textbook for a course in descriptive geometry] Peresechenie poverkhnostei i razvivki; metodicheskoe posobie k epiuru po nachertatel'noi geometrii. Leningrad, Leningr. tekhnolog. inst. im. Lensoveta, 1964. 174 p.

(MIRA 17:11)

GERB, Mikhail Alekseyevich; FEDORENKO, V.A., inzh., retsenzent; YAKOVITSKIY,  
G.N., inzh., red.; VASIL'YEV, V.P., red.izd-va; SHCHETININA, L.V.,  
tekhn.red.

[Representation in mechanical drawing] Izobrazhenia v cherte-  
zhakh mashinostroeniia. Moskva, Gos.nauchno-tekhn.izd-vo mashino-  
stroit.lit-ry, 1960. 163 p. (MIRA 13:10)  
(Mechanical drawing)

DESHEVOY, G.M.; MIROSHNICHENKO, B.Ya.; LASTOCHKIN, S.V. Prinimali  
uchastiye: BURDIN, N.K.; GUDKOV, N.M.; SERGEYEV, M.A., inzh.,  
retsenzent; YAKOVITSKIY, G.N., red.; LEYKINA, T.L., red.izd-  
va; KUREPINA, G.N., red.izd-va; SHCHETININA, L.V., tekhn. red.;  
SPERANSKAYA, O.V., tekhn.red.

[Manual for a lay-out mechanic] Spravochnik razmetchika-  
mashinostroitelia. Moskva, Mashgiz, 1962. 375 p. (MIRA 16:1)  
(Laying-out (Machine-shop practice))

ACC NR: AP6030314 (A) SOURCE CODE: UR/0018/66/000/008/0054/0059  
AUTHOR: Yakovkin, . (Colonel)  
ORG: none  
TITLE: Eliminating the aftereffects of a nuclear strike  
SOURCE: Vojennyy vestnik, no. 8, 1966; 54-59  
TOPIC TAGS: nuclear decontamination, military training, warfare training, nuclear defensive training  
ABSTRACT: The field training of officers in methods and procedures for eliminating the aftereffects of a nuclear strike is described in a sample training session. The trainees are given nuclear blast information: duration of burst, type, yield, and location. From the duration of the blast they can determine the yield; if the blast lasts from 1 to 2 sec, the yield is low; 3 sec, medium; 5 sec and over, the yield is high. The trainees are also given information on how the nuclear blast affects the locality and local objects. For instance, within 5 to 15 min after the burst they are informed as to the extent of the fire and the degree of destruction of populated areas, timber, grass, cars. From the information given they are to determine what effect this strike will have on troops located at various distances from the epicenter,  
Card 1/2

ACC NR: AP6030314

what troops will remain at their disposal, and how to organize their operation. The exercise is designed to prepare officers for predicting the degree of contamination at various points in the shortest possible time and to try to move out or take cover so that the troops will avoid the direct effects of fallout from a radioactive cloud. The troops should be taken out of contaminated zone as soon as possible, and only then commence planning for personal and area decontamination. The numerical data and computation methods used for this article were borrowed from a book by V. A. Mikhaylov and I. A. Naumenko (Nuclear physics and nuclear weapons, 1966. 148 p. Orig. art. has: 4 figures, 2 tables, and 1 formula.

SUB CODE: 05, 13/ SUBM DATE: none

Card 2/2

ACC NR: AP6030314

(A)

SOURCE CODE: UR/0018/66/000/008/0054/0059

AUTHOR: Yakovkin, (Colonel)

ORG: none

TITLE: Eliminating the aftereffects of a nuclear strike

SOURCE: Voyenny vestnik, no. 8, 1966, 54-59

TOPIC TAGS: nuclear decontamination, military training, warfare training, nuclear defensive training

ABSTRACT: The field training of officers in methods and procedures for eliminating the aftereffects of a nuclear strike is described in a sample training session. The trainees are given nuclear blast information: duration of burst, type, yield, and location. From the duration of the blast they can determine the yield: if the blast lasts from 1 to 2 sec, the yield is low; 3 sec, medium; 5 sec and over, the yield is high. The trainees are also given information on how the nuclear blast affects the locality and local objects. For instance, within 5 to 15 min after the burst they are informed as to the extent of the fire and the degree of destruction of populated areas, timber, grass, cars. From the information given they are to determine what effect this strike will have on troops located at various distances from the epicenter,

Card 1/2

ACC NR: AP6030314

what troops will remain at their disposal, and how to organize their operation. The exercise is designed to prepare officers for predicting the degree of contamination at various points in the shortest possible time and to try to move out or take cover so that the troops will avoid the direct effects of fallout from a radioactive cloud. The troops should be taken out of contaminated zone as soon as possible, and only then commence planning for personal and area decontamination. The numerical data and computation methods used for this article were borrowed from a book by V. A. Mikhaylov and I. A. Naumenko (Nuclear physics and nuclear weapons, 1966. 148 p. Orig. art. has: 4 figures, 2 tables, and 1 formula.

SUB CODE: 05, 15/ SUBM DATE: none

Card 2/2

VSEKHSVIATSKIY, S. K. and YAKOVKIN, A. A.

Astronomia (Astronomy), 2nd edition, 119 p., State Educational-Pedagogical Publ.  
House "Radianska School," Kiev 1949. Astronomical Journal, Vol. 27 No. 3, 1950.

YAKOVKIN, A.A.

Determining constants of physical libration of the moon with con-  
sideration of changes in its profile. Publ.Kiev.astron.obser. no.3:  
17-23 '50. (MIRA 7:9)  
(Moon--Libration)

YAKOVKIN, A.A.

Observations of lunar occultations of stars at Kiev Astronomical  
Observatory in 1947. Publ. Kiev. astron. obser. no. 3:99-100 '50.  
(Occultations) (MIRA 7:9)

YAKOVKIN, A.A.

YAKOVKIN, A.A.

Inclination of the lunar orbit and the libration effect. Publ.  
Kiev.astron.obser. no.4:71-88 '50. (MLBA 7:9)  
(Moon--Rotation) (Moon--Libration)

YAKOVKIN, A.A.

Device for solving Kepler's equation. Publ. Kiev. astron. obser. no. 4:  
89-90 '50.  
(Orbits) (MLRA 7:9)

YAKOVKIN, A. A.

Dissertation: "The Theory of the Solar Corona." Cand Phys-Math Sci,  
Main Astronomical Observatory, Acad Sci USSR, Jan-Mar 54 (Vestnik Akademii  
Nauk, Moscow, Aug 54)

SO: SUM 393, 28 Feb 1955

YAKOVKIN, A. A.

YAKOVKIN, A. A., redaktor; LISEN BART, D.K., redaktor; KRYLOVSKAYA, N.S.,  
tekhnredaktor.

[Brief astronomy calendar for 1955] Kratkiy astronomicheskii kalendar' na 1955 god. Kiev. Vol. 8. 1954. 83 p. (MIRA 8:4)

1. Chlen-korrespondent Akademii nauk Ukrainskoy SSR (for Yakovkin).
2. Akademiya nauk URSR, Kyiv. Viddil fizyko-matematychnykh i  
khimichnykh nauk.

(Astronomy) (Calendar)

**YAKOVKIN, A.A.**

Report of the Main Astronomical Observatory of the Academy of Sciences of the Ukrainian S.S.R. on results of observations of the total solar eclipse of June 30, 1954. Astron.tsir.no.152: 8-9 S '54. (MLRA 8:3)

1. Direktor Glavnay astronomicheskoy observatorii AN USSR.  
(Eclipses, Solar--1954)

YAKOVKIN, A.A., otvetstvennyy redaktor; LISENBART, D.K., redaktor izdatel'stva;  
ZHUKOVSKIY, A.D., tekhnicheskiy redaktor.

[Concise astronomical calendar for 1956] Kratkii astronomicheskii  
kalendar' na 1956 god. Kiev, Vol.9. 1955. 93 p. (MIRA 9:6)

1. Akademiya nauk URSR, Kiev. Viddil fiziko-matematichnykh i khimich-  
nykh nauk. 2. Chlen-korrespondent Akademii nauk Ukrainskoy SSR (yer  
Yakovkin). (Astronomy--Yearbooks)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001961910005-9

YAKOVKIN, A.A.

Barycentric coordinates of the lunar crater Mosting A. Uch.sap.Kaz.  
un. 115 no.13:3-20 '55. (MIRA 10:3)  
(Moon--Surface)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001961910005-9"

YAKOVKIN, A.A.

5  
0  
6  
464

ZVESTIYA GLAVNOI ASTRONOMICHESKOI OBSERVATORII

(News from the Main Astronomical Observatory)

Dec 1956  
Vol 1, No. 2 1956

YAKOVKIN, A. Automatic Adapter for Photographing the Moon and the  
Method of Processing Photographs of the Moon

W.C.  
400

525

YAKOVKIN, A.A., otvetstvennyy redaktor; SPIVAK, S.I., redaktor izdatel'stva  
ZHUKOVSKIY, A.D., tekhnicheskiy redaktor

[Concise astronomical yearbook for 1957] Kratkii astronomicheskii  
kalender' na 1957 god. Kiev. Vol. 10. 1956. 102 p. (MLRA 10:4)

1. Akademiya nauk UkrSSR, Kiyev. Viddil fiziko-matematichnykh i  
khimichnykh nauk.
2. Chlen-korrespondent Akademii nauk Ukrainskoy SSR. (for Yakovkin)  
(Astronomy--Yearbooks)

YAKOVKIN, A A

Observations of Mars. Astron.tsirk.no.174:3 N '56.

(Mars (Planet))

(MIRA 10:3)

YAKOVKIN, A.A.

YAKOVKIN, A.A., otvetstvennyy red.; LABINOVA, N.M., red.izd-va; ZHUKOVSKIY, A.D., tekhn.red.

[Concise astronomical calendar for 1958] Kratkii astronomicheskii kalendar' na 1958 god. Kiev. Vol.11. 1957. 111 p. (MIRA 11:2)

1. Akademiya nauk URSR, Kiyev. Viddil fizyko-matematychnykh nauk.
2. Chlen-korrespondent Akademii nauk Ukrainskoy SSR (for Yakovkin) (Astronomy--Yearbooks)

YAKOVKIN, A.A. (Kiyev).

Duality of the solution of problem of the moon's physical libration  
and selection of the correct solution. Astron.tsir. no.178:12-14  
Mr '57.

(MIRA 10:9)

(Moon--Libration)

3(1)

PEASE I BOOK EXPLOITATION

SOV/1595

Yakovkin, Avenir Aleksandrovich

Iskusstvennyye sputniki zemli (Artificial Earth Satellites) Kiyev, Izd-vo  
AN Ukrainskoy SSR, 1958. 46 p. 21,000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrainskoy SSR. Sovet nauchno-tehnicheskoy propagandy.

Resp. Ed.: I. G. Kolchinskiy, Candidate of Physical and Mathematical Sciences;  
Ed. of Publishing House: N. M. Lebinova; Tech. Ed.: V. Ye. Sklyarova.

PURPOSE: This booklet is intended for the general reader.

COVERAGE: The contents cover the composition of the Earth's atmosphere and phenomena occurring in the extreme upper layers. Such phenomena are studied with the aid of artificial satellites. The construction and operation of rockets are explained in simple terms as are launching conditions and the movement of the satellites about the Earth. Problems of interplanetary travel are also explained. Scientists who took part in the compilation of this booklet, other than the author, are:

Card 1/3

**Artificial Earth Satellites**

SOV/1595

Sh. G. Gordeladze and I. G. Kolchinskiy of the Glavnaya astronomicheskaya observatoriya AN UkrSSR (Main Astronomical Observatory of the Academy of Sciences of the UkrSSR) and M.I. Saykovskiy of the Institut teploenergetiki AN UkrSSR (Institute of Thermal Energy of the Academy of Sciences of the UkrSSR). There are 21 Soviet references.

**TABLE OF CONTENTS:**

Introduction	3
Some Problems of Studying the Upper Layers of the Earth's Atmosphere	7
How the Artificial Satellite Travels Around the Earth	19
What a Rocket Is and How Satellites Are Launched	27

**Card 2/3**

Artificial Earth Satellites

SOV/1595

Conquering Cosmic Space

38

Facts Concerning the Artificial Earth Satellites

46

Some Facts on the Sun, Earth, Moon, Mars and Venus

47

Bibliography

48

Card 3/3

MS/gw  
4-30359

3(1)

PHASE I BOOK EXPLOITATION

SOV/2278

Akademiya nauk Ukrainskoy SSR. Otdeleniye fiziko-matematicheskikh nauk

Kratkiy astronomicheskiy kalendar' na 1959 god (Short Astronomical Calendar  
for 1959) Kiyev, Izd-v AN Ukrainskoy SSR, 1958. 123 p. 5,000 copies.  
printed.

Ed.: A. A. Yakovkin, Corresponding Member, Academy of Sciences, Ukrainian SSR;  
Ed. of Publishing House: N.M. Labinova; Tech. Ed.: N. P. Rakhlina.

PURPOSE: This book is intended for practical work in astronomy in pedagogical  
institutes and secondary schools, for astronomy clubs, and for amateur  
astronomers. It may also be used by topographers, surveyors, observers  
in meteorological stations, and lecturers on astronomy.

COVERAGE: The book gives information on the positions of the sun and the moon  
for the beginning of each day, positions and conditions of visibility of  
planets for every 10th day, phases of the moon, eclipses, occultations of  
stars by the moon, speed, range, and other characteristics of artificial  
earth satellites. No. 9. The book was compiled by S.V. Drozdov and S. I.  
Selishnikov. They thank Professor M. F. Subbotin, Director of the Institut

Card 1/1

Short Astronomical Calendar (Cont.)

sov/2278

teoreticheskoy astronomii (Institute of Theoretical Astronomy) of the Academy of Sciences, USSR (Leningrad) for permission to use some data from the Astronomicheskiy yezhegodnik SSSR na 1959 (Astronomical Yearbook of the USSR for 1959) published by the Institute. Individual sections were compiled by the following scientists: S. V. Drozdov, Monthly Ephemerides, Time and Azimuths of Sunrises and Sunsets, Azimuths of the North Star, Heliocentric Longitudes of the Planets (see Tables of constants and the section "How to Use the Calendar"); S. I. Seleshnikov, Observer's Handbook, Occultations of Stars by the Moon, Minor Planets; A. A. Kaverin, Eclipses in 1959; A. A. Kaverin, G. V. Kuklin, I. F. Yegorchenko, V. A. Kuklina, T. G. Konstantinova, A. G. Sazonova, L. I. Chernykh, and N. S. Chernykh, Visibility Conditions for the Total Solar Eclipse of October 2, 1959 for 146 Localities; V.S. Lazarevskiy, Planets in 1959, Visibility Times and Duration of Bright Planets and Maps of Their Visible Paths, Mercury in 1959, Variable Stars; I. S. Astapovich, Main Meteoric Streams Visible in the Northern Hemisphere. There are no references.

Card 2/7

Short Astronomical Calendar (Cont.)

sov/2278

TABLE OF CONTENTS:

Foreword	3
1959. Beginning of the Seasons	5
Monthly Ephemerides	6
An Observer's Handbook	18
Sunrise and Sunset (Upper Rim) / for the Latitude of 56° in 1959	22
Longitude of the Sun in 1959	22
Corrections of Sunrise Times for 1959 for Different Geographic Latitudes	23
Length of Sidereal Twilight	24
Card 3/7	

## Short Astronomical Calendar (Cont.)

SOV/2278

Planets in 1959	26
Inner planets	35
Outer planets	35
Heliocentric longitudes of planets in 1959	35
Mercury in 1959	36
Visibility time and duration of bright planets in 1959 for latitude = 56°	38
Minor planets (astéroids) in 1959	39
Eclipses in 1959	40
Total solar eclipse of October 2, 1959	41
Occultations of bright stars by the Moon in 1959	45
Card 4/7	

Short Astronomical Calendar (Cont.)	SOV/2278
Coordinates of stars occulted by the Moon	45
Variable Stars in 1959	46
Julian Days	46
Conversion Table for Parts of Day to Hours, Minutes, and Seconds	47
Maxima of Long-period Variable Stars in 1959	48
Physical Coordinates of the Sun in 1959	49
Chief Meteoric Streams Observed in the Northern Hemisphere	50
Table for Calculating Latitude and Geodetic Azimuth by the North Star	52
Corrections for Conversions of Local Mean Time to Sidereal Time and From Sidereal to Local Mean Time	53
Catalog of Bright Stars up to 2.5 Stellar Magnitude and 30° of Southern Declination	54
Card 5/7	

## Short Astronomical Calendar (Cont.)

SOV/2278

Latitudes and Longitudes of USSR Cities from zero meridian	56
How to use the Calendar	57
Seleshnikov, S. I. Notable Dates From the History of Astronomy for 1959	72
Shternfel'd, A. A. General Characteristics of Artificial Earth Satellites	85
Belikov, B. D. Observations of Artificial Earth Satellites by Amateur Astronomers	95
Krinov, Ye. L. Giant Meteorites	100
Nabokov, M. Ye. Astronomical Instruments for Amateur Astronomers	106
Current Notes	113
News in Astronomical Literature	117

Card 6/7

Short Astronomical Calendar (Cont.)

SOV/2278

AVAILABLE: Library of Congress

Card 7/7

TM/mg  
10-1-59

YAKOVKIN, A.O. [IAkovkin, A.O.]

Moon and its study. Nauka i zhystia 9 no.3:45-50 Mr '59.  
(MIRA 12:4)

1. Chlen-korrespondent AN USSR. Direktor Glavnay astronomicheskoy  
observatorii AN USSR.

(Moon)

YAKOVKIN, A.A.

REF ID: A914311  
REF ID: A914311

Borishanskii, M.P., V.A. Brumalov, M.S. Zaitsev, R.L. Kuganovskii, I.A. V. Marter,

A.I. Svetlichnyi, A.V. Khushch, S.M. Dzhambulashvili, V.N.

Kuz'min, and N.I. Novikov.

Luna (The Moon). Novosibirsk, 1960. 362 p. 4,500 copies printed.

Ed. 1 (Title page); A.V. Marter, Doctor of Physics and Mathematics; Ed. 1. G.I.

Naukova Tekhnika; M.Ia. Kurnikova.

PURPOSE. This book is intended for astronomers, astrophysicists, and other scientists and technical personnel interested in lunar research.

CONTENTS: The book, written by 11 Soviet authorities, summarizes and evaluates research done to date in science of the Moon. The rotation, rotation, and figure of the Moon, physical properties of the lunar surface, the question of the existence of lunar atmosphere, problems of the Moon radar investigations, and the effect of external cosmic forces on the Moon are discussed. An Index of Russian and Latin designations of lunar features is included. The text is illustrated with 110 figures and 32 tables. There are 72 references: 32 Soviet, 32 English, 6 German, and 2 French.

Foreword  
Ch. I. Moon, Position, and Figures of the Moon (A.A. Yakovkin)  
1. Certain data on the Moon 11  
2. Position and figures of the Moon 11  
3. History of the theory of the Moon's motion 10  
4. Determination of the Moon's axis 13  
5. Optimal libration of the Moon 16  
6. Determining the coordinates of lunar surface features from observation 19  
7. Corrections for the tilt of the Moon's libid 22  
Physical Libration of the Moon 22  
8. The figure of the Moon 23  
9. Determination of the elevations of lunar mountains 24  
10. Promising directions of lunar seismology 24  
11. Promising directions of lunar magnetism 24  
12. Possible utilization of lunar observations for interplanetary navigation 24  
Bibliography 25

Ch. II. Lunar Cartography and Selenographic Coordinates (S.M. Khushch)

1. Selenographic coordinates 27

2. Cartographic grid for lunar maps 27

3. Physical coordinates of the Moon 28

4. Methods for the determination of selenographic coordinates 28

5. The system of positions of the Moon's surface details 28

6. Maps and photogeophysical atlases of the Moon 29

7. Possible methods for determining geographical position on the Moon 29

Bibliography 32

Ch. III. Description of the Surface of the Moon (A.V. Marter)

Bibliography 37

Ch. IV. Problem of the Moon's Atmosphere (M.N. Svetlichnyi)

1. Introduction 103

2. Theoretical considerations 103

3. Observations of the lunar occultation of stars, as a means of detecting 103

the atmosphere from refraction phenomena 103

4. Attempts to detect the lunar atmosphere by spectroscopic methods 109

5. Estimation of the density of the lunar atmosphere according to the 112

brightness and polarization of diffracted light 116

Card 16