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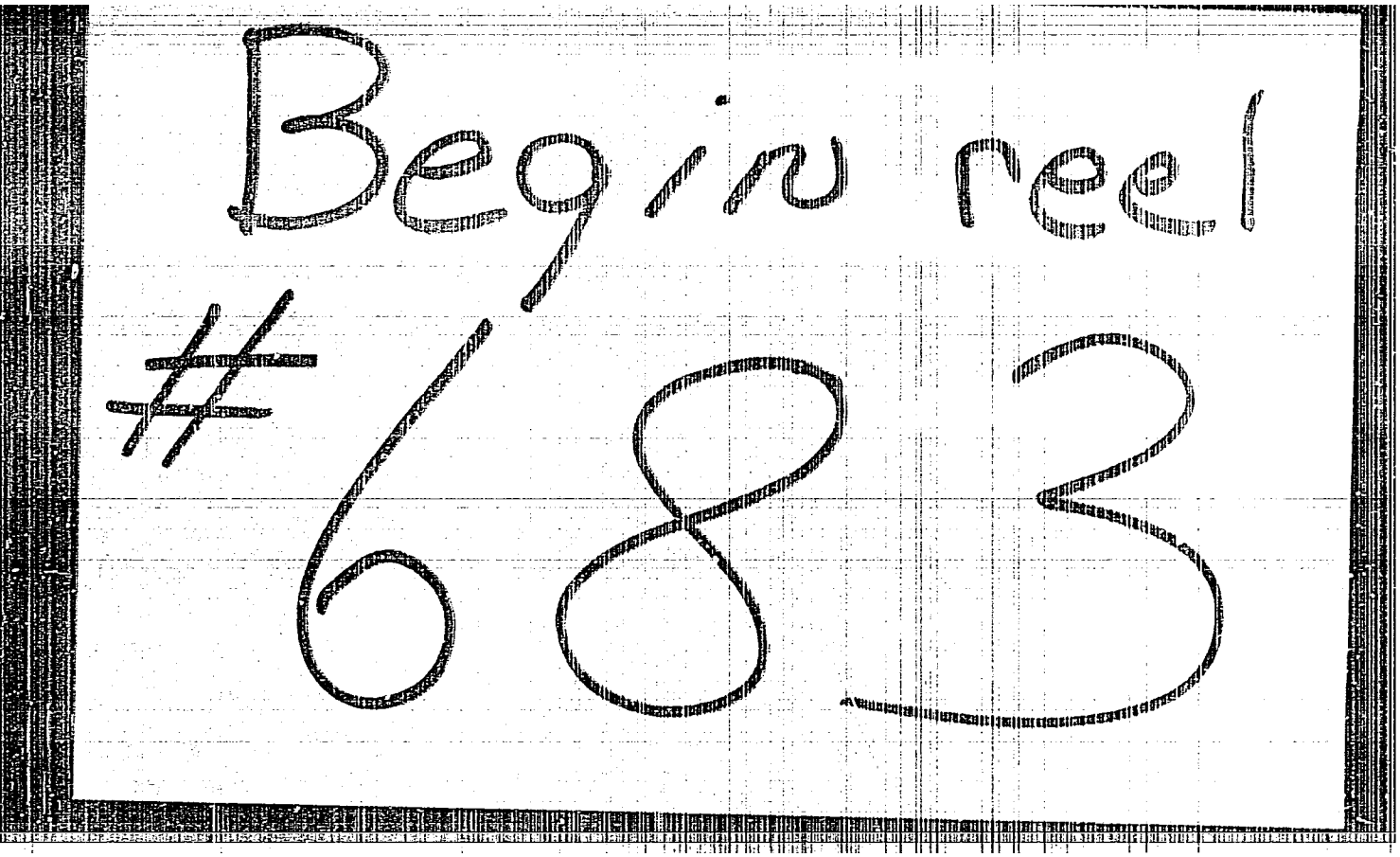

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YERSHKOVA, M.V., nauchnyy sotrudnik

Repair of ties by means of polymers. Put' i put'khoz. 9 no.8: 10-11 '64. (MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta Ministerstva putey soobshcheniya.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

ERSHKOVICH A.I.

779. SYSTEMIC AND LOCAL USE OF SULPHONAMIDES IN THE TREATMENT OF TRACHOMA (Russian text) - Ershkovich A.I. - ZH.OFTALM. 1956, 5 (293-294)

Two groups of children with uncomplicated trachoma (30 in each) were under observation. The ages ranged from 3 to 15 yr. One group was treated with sulphonamides locally, and the other both locally and systemically. For local instillation a 30% solution of albucid (5 times a day) was used and sulphidine (sulphapyridine) ointment was used for massage. White streptomycin was given in doses of 0.04-0.05 g./kg. body weight per day. The whole course of treatment consisted of 5 cycles each made up of 5 days' streptomycin medication and 3 days' interval. The trachomatous process responded to treatment equally rapidly in both groups. No particular difference with respect to effectiveness of treatment could be noted in the 2 groups of patients and it is therefore recommended that in uncomplicated trachoma topical 30% albucid be used alone. (S)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, A.I., vrach

Elastotonometric examinations in uveitis. Oft.zhur. 13 no.5:309 '58

1. Iz glaznogo otdeleniya Gorlovskoy gorodskoy bol'nitsy.
(EYE--EXAMINATION)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, A.I.

Elastotonemetric analyses in cases of atrophy of the optic nerves.
Oft. zhur. 13 no.6:377-378 '58. (MIRA 12:1)

1. Iz glaznogo otdeleniya Gorlovskoy gorodskoy bol'nitsy.
(OPTIC NERVE--DISEASES)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH [redacted], A. I. Cand Med Sci -- (diss) "Clinic and treatment of blunt injuries of the eyeball." Stalino, 1959. 14 pp (Stalino State Med Inst im Gor'kiy), 230 copies (KL, 44-59, 129)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

GAL'PERIN, Yuriy Il'ich; VERSHKOVICH, Aleksandr Isaakovich; YAGLOM, A.M., prof., red.; FAYNBOYM, I.B., red.; RAKITIN, I.T., tekhn. red.

[Auroras] Polyarnye siianiia. Pod red. A.M.IAgloma. Moskva, Izd-vo "Znanie," 1962. 24 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia. Fizika i khimiia, no.2) (MIRA 16:1)
(Auroras)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

S/049/62/000/010/002/003
D207/D308

3.2420

AUTHORS: Yershkovich, A.I. and Pletnev, V.D.

TITLE: Angular anisotropy of radiation in the Van Allen belts of the earth

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya geofizicheskaya, no. 10, 1962, 1441-1445

TEXT: The published work on the various types of angular distributions of charged particles in the Van Allen (radiation) belts is reviewed. It is shown that the degree and the nature of the anisotropy of the particle distribution are not constant in space (they vary away from the earth) or in time (quiet periods or disturbances). The possibility of the appearance of unstable plasma in the upper atmosphere, related to the strong anisotropy of the angular distribution of electrons, is discussed. There are 2 figures.

ASSOCIATION: Institut fiziki atmosfery, Akademiya nauk SSSR

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, A. I.

S/049/63/000/003/004/005
D218/D307

AUTHOR: Yershkovich, A. I.

TITLE: On the possibility of heating of the upper atmosphere by hydromagnetic waves

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya geofizicheskaya, no. 3, 1963, 487-492

TEXT: The analysis is confined to the propagation of waves of small amplitude along the geomagnetic field, using the dispersion relation derived by Ginsburg on the quasi-hydrodynamic approximation. It is shown that for hydromagnetic waves with periods between 0.1 sec. and 5 min., the dissipation of such waves may contribute significantly to the heating of the atmosphere at heights of 200 - 400 km, provided the wave amplitude above the ionosphere is of the order of 100 γ . The maximum power is liberated at heights at which the ion-molecule collision frequency is comparable with the pulsatance of the hydromagnetic

Card 1/6 2

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On the possibility...

wave. This is illustrated in the figure in which the power dissipation in erg/cm^3 sec. is plotted as a function of height in km for periods of 0.1, 1, and 10 sec. respectively (curves a, b, and c). The amplitude of the wave is assumed to be $h_0 = 100\gamma$. It is emphasized that a detailed solution of the problem will only become possible when experimental data for the oscillations above the ionosphere become available. Micropulsation data provide only incomplete information. There is 1 figure and 2 tables.

ASSOCIATION: Akademiya nauk SSSR, Institut fiziki atmosfery (AS USSR, Institute of the Physics of the Atmosphere)

SUBMITTED: June 28, 1962

Card 2/2

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, A.I.

Electrons with more than 1600 Kev of energy in the earth's radiation belts. Izv. AN SSSR. Ser. geofiz. no.9:1457-1461 S '63. (MIRA 16:10)

1. Institut fiziki atmosfery AN SSSR.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, A.I.

Role of solar cosmic rays in the formation of the electron component of the earth's radiation belts. Izv. AN SSSR. Ser. geofiz. no.10: 1601-1603 O '63. (MIRA 16:12)

1. Institut f[redacted]osfery AN SSSR.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, A.I.

X-radiation in polar light regions. Geomag. i aer. 4 no.2 [illegible]
Mr-Ap '64. (MIRA 17.4)

1. Institut fiziki atmosfery AN SSSR.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

ACCESSION NR: AP4031649 S/0203/64/004/002/0412/0414

AUTHOR: Yorshkovich, A. I.

TITLE: X rays in aurora bands

SOURCE: Geomagnetizm i aeronomiya, v. 4, no. 2, 1964, 412-414

TOPIC TAGS: x ray, aurora, aurora band, planetary magnetic moment, planetary magnetic field

ABSTRACT: X-rays originating in the aurora bands are generated by collisions between fast electrons and particles of the upper atmosphere. During strong aurora the intensity of this radiation

$$I_0 \geqslant 10^{-1}$$

and can be as much as 0.1 erg/cm^{2}sec. The intensity at a point P lying on the geomagnetic latitude λ at a geocentric distance of r earth radii is

$$I(r, \lambda) = \frac{\Omega(r, \lambda)}{4\pi} I_0$$

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$$= \frac{I_0}{2\pi} \frac{\cos\lambda_0 \, d\lambda_0}{r^2} (\varphi_1 \sin\lambda_0 \sin\lambda + \cos\lambda_0 \cos\lambda \sin\varphi_1)$$

where Ω is the solid angle subtended by the aurora band visible at P. For the earth the angular width of the aurora band $d\lambda_0$ is about 15° and the geomagnetic latitude of the maximum λ_0 is about 67.5°. Here ϕ_1 and $2\pi - \phi_1$ are the longitudes of the intersection points of the geomagnetic parallel λ_0 and the profile circle, which is defined as the circle bounding the portion of the earth's surface visible from P. If λ is such that all points lying on the parallel λ_0 are visible from P, then ϕ_1 is set equal to π. Otherwise ϕ_1 is given by the expression

$$\cos\varphi_1 = \frac{r^{-1} - \sin\lambda_0 \sin\lambda}{\cos\lambda_0 \cos\lambda}$$

It is noted that the magnetic moment of a planet is given by the relation

$$M = (8\pi\rho_H)^{1/2} \frac{R^3 v_H}{\cos^3\lambda_0}$$

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ACCESSION NR: AP4031649

where R is the radius of the planet, ρ_k is the corpuscular flux density, and v_k is its velocity. Thus, if the magnetic field of a planet can not be measured directly by using a magnetometer, it can be estimated from the observed spatial distribution of the radiation intensity $I(r, \lambda)$ from which λ_0 can be evaluated.

Orig. art. has: 7 equations and 1 table.

ASSOCIATION: Institut fiziki atmosfery* (Institute of Atmospheric Physics)

SUBMITTED: 17Sep63	DATE ACQ: 30Apr64		ENCL: 00
SUB CODE: AA	NO REF SOV: 001		OTHER: 006

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L 11363-65 EWT(1)/EWT(m)/EWG(v)/EEC/EEC-4/EEC(t)/EWA(h) Pg-4/Pg-4/Pg-4/Pag-2/
[illegible] GN/WS
S/0393/64/002/001/0778/0782

ACCESSION NR: AP4046761

AUTHOR: Yershkovich, A. I.

TITLE: Spectrum of very high-energy electrons generated during the beta decay of albedo neutrons

SOURCE: Kosmicheskiye issledovaniya, v. 2, no. 5, 1964, 779-782

TOPIC TAGS: electron, albedo neutron, beta decay, radiation belt, electron energy spectrum

ABSTRACT: The author has computed the equilibrium integral spectrum of beta electrons [illegible] of the order of several Mev, and shows that it [illegible] experimental results [illegible] outer radiation belt. It is noted that electrons [illegible] energy E of the order of several Mev were detected in the [illegible] flights of the first and second Soviet space rockets. It has been postulated that these electrons are generated during the beta decay of albedo neutrons with energies of hundreds and thousands of Mev. On the basis of an analysis of such data, the [illegible] principal process determining the lifetime T of electrons is energy losses associated with Coulomb interactions with particles in the exosphere. If N is the concentration of cold plasma of the exosphere, the ionization losses of ultrarelativistic electrons ($E \gg m^{-2}$) are

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ACCESSION NR: AP4046781

$$-(dE/dt)_1 = 7.82 \cdot 10^{-4} N \cdot \{\ln E/mc^2 - \ln N + 73.4\}, \text{ ev} \cdot \text{sec}^{-1} \quad (1)$$

From this relation and others cited in the article it follows that the equatorial value of the flux of trapped beta-decay electrons when $r^2 \gg 1$ is proportional to $1/r^2 N(r)$. Fig. 1 of the Enclosure shows the integral spectrum of beta electrons in the region of the maximum of the outer radiation belt ($r = 4$). N is assigned a value [illegible] cm^{-3}. When $E \geqslant 1.5$ Mev this spectrum is approximately proportional to $E^{-2.5}$ [illegible] to the measurements made on the satellite Explorer XII. The ratio of [illegible] Mev)/I($E \geqslant 5$ Mev) in the outer belt is approximately [illegible] with a change of geocentric distance r from 15,000 to 55,000 km. This is a value close to the computed [illegible] the Enclosure. This and other published data support the hypothesis that very high-energy electrons in the radiation belts are generated during the beta decay of albedo neutrons. The effect of the beta-ron mechanism can cause considerable variations in the

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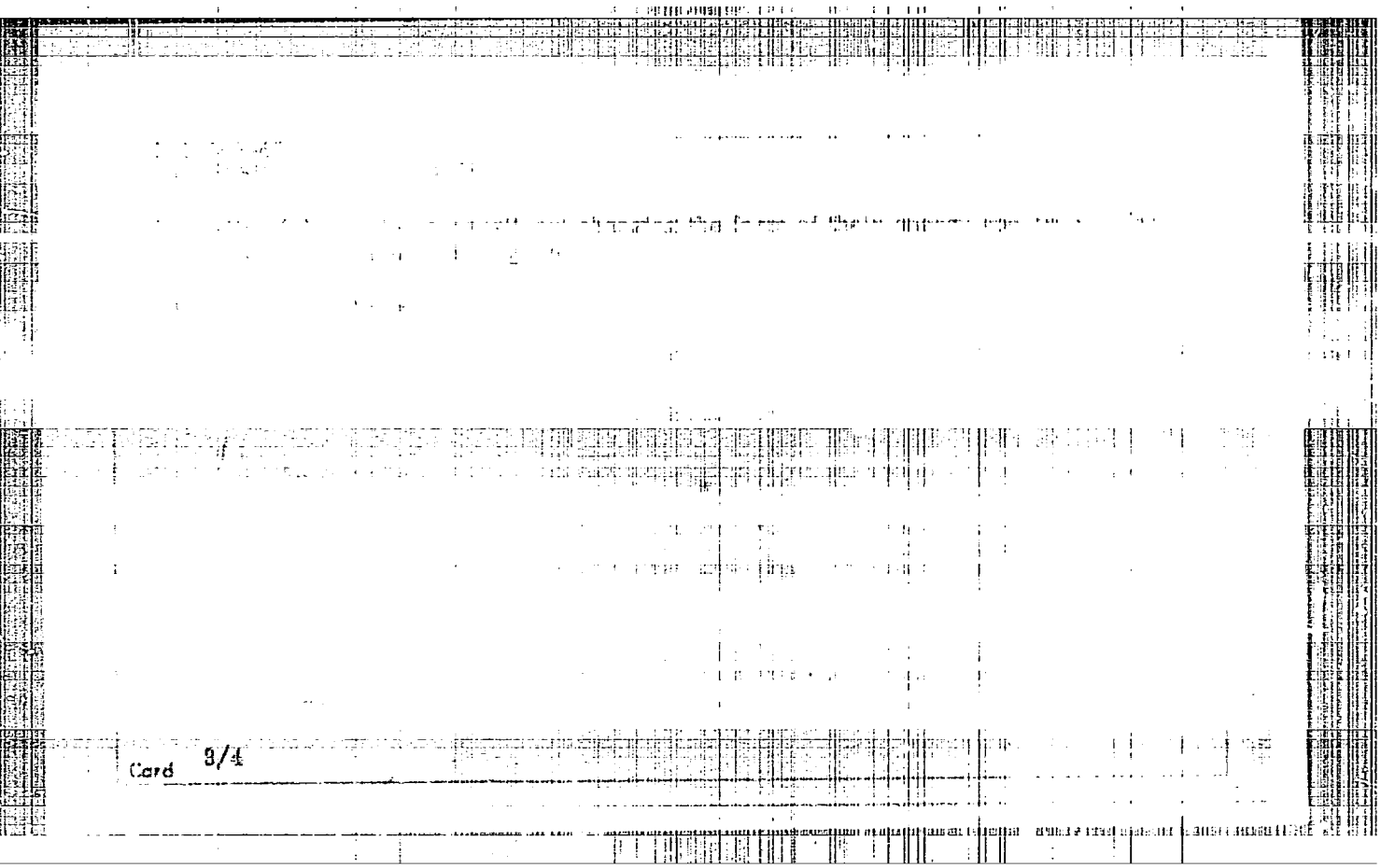

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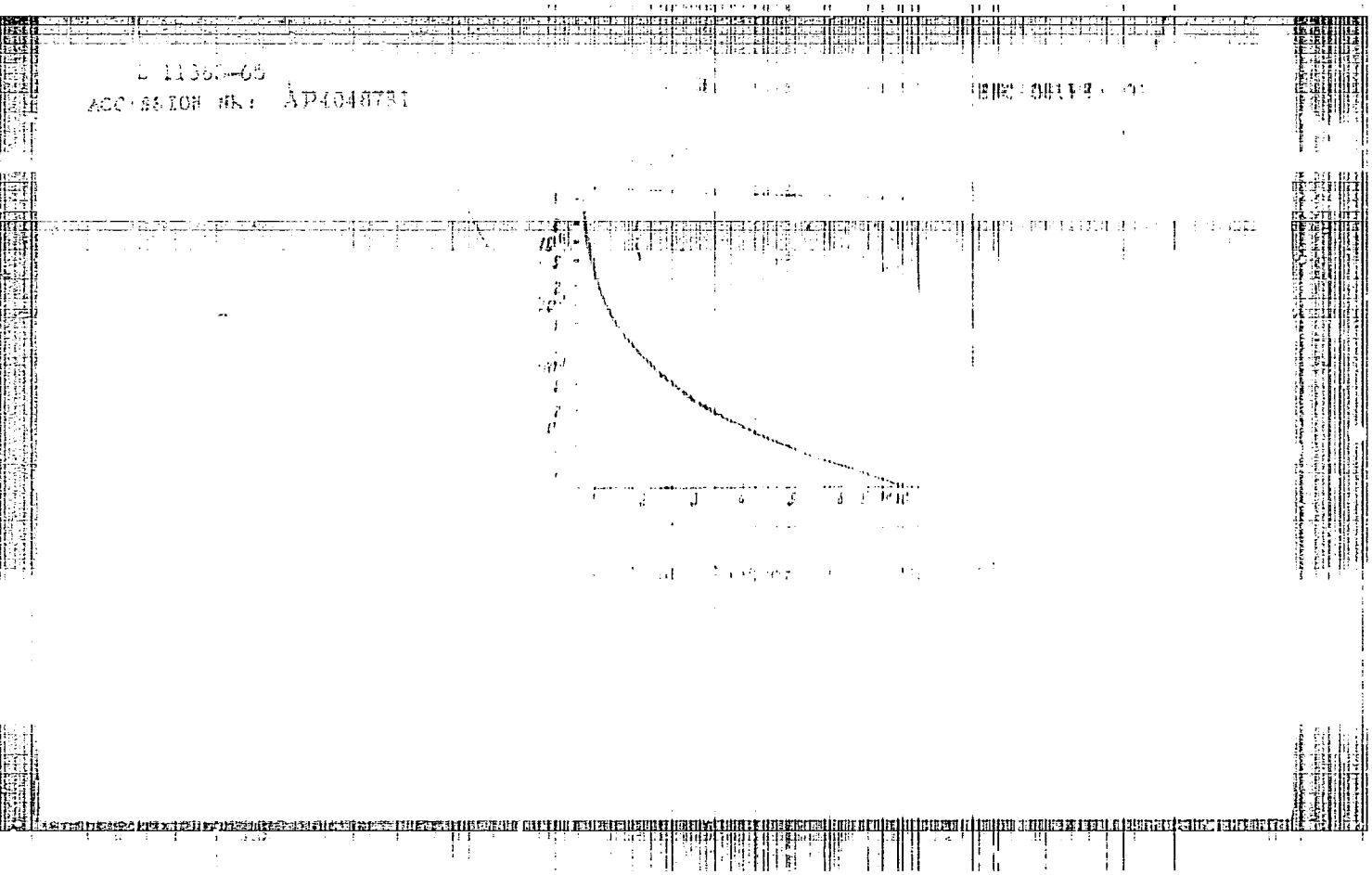

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L 1283-66 EWT(1)/FCC/EWA(h) GS/GW

ACCESSION NR: AT5023601 UR/0000/65/000/000/0325/0334

AUTHOR: Antonova, A. Ye.; Yershkovich, A. I.; Shabanskiy, V. P.

TITLE: Formation of radiation belts as a result of particle drift deep into the magnetosphere

SOURCE: Vsesoyuznaya konferentsiya po fizike kosmicheskogo prostranstva. Moscow, 1965. Issledovaniya kosmicheskogo prostranstva (Space research); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 326-334

TOPIC TAGS: radiation belt, neutron albedo, geomagnetism, particle production

ABSTRACT: Measurements made by the "Relay-1" satellite indicate that the intensity of trapped protons with energies greater than 34 Mev varied during magnetic storms as if the particles were drifting toward the earth. The authors consider two mechanisms which may be responsible for such a drift: 1) deviation of the third invariant due to a sudden change in the amplitude symmetry of the geomagnetic field with subsequent gradual restoration and 2) the action of hydromagnetic waves. Assuming that the first and second invariants remain constant during particle drift, the

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betatron mechanism is responsible for motion of the particles to magnetic shells with lower McIlwain L parameters. To determine the spatial distribution of particle intensity, an equation of continuity must be solved, assigning definite mechanisms for particle production and annihilation. The authors evaluate the effectiveness of the albedo neutron source, assuming for simplicity that particle drift to shell L_1 takes place instantaneously. It is found that the albedo neutron source cannot be of considerable importance in formation of the Davis protonosphere. However, this source may be responsible for the relativistic electron belt. If electron drift toward the earth is fast enough, the albedo neutron source may cause the observed intensity of relativistic electrons within a time much less than the lifetimes as determined by ionization losses. Since the power of the neutron source was found to be insufficient for the observed proton intensity, the authors evaluate the effect of proton drift toward the earth from the layer between the magnetosphere and the leading edge of the standing shock wave. A comparison of experimental and theoretical results shows that the proton drift source may be responsible for the observed intensity in the proton belt. It is pointed out that drift of solar protons with energies of the order of a few hundred kev to magnetic shells with $L \sim 1.5$ may be responsible for a certain number of high-energy protons in the inner belt. However, evaluation of this source requires spectral measurements of solar protons with

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ACCESSION NR: AT5023601

energies of several hundred kev outside the magnetosphere. Orig. art. has: 3 figures, 1 table, 26 formulas. [14]

ASSOCIATION: none

SUBMITTED: 02Sep65 ENCL: 00 SUB CODE: ES, NP

NO REF SOV: 006 OTHER: 008 ATD PRESS: 4132

Card 3/3

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

ACC NR: AF6033404 SOURCE CODE: UR/0293/66/004/005/0788/0790

AUTHOR: Yershkovich, A. I.; Shalimov, V. P.

ORG: none

TITLE: Concerning the anomalous diffusion of charged particles in the magnetosphere of the Earth

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 5, 1966, 788-790

TOPIC TAGS: earth magnetic field, space charge density

ABSTRACT: V. A. Tverskoy (see his Issledovaniya kosmicheskogo prostranstva - Investigations of cosmic space, Publ. House "Nauka", 1965) derived the basic equation for the transfer of charged particles across the drift shells of the magnetic field of the earth under the action of azimuthally asymmetric magnetic pulse-like perturbations. The present author applies this theory to protons of energy over 0.1 Mev and compares the results with the experimentally measured proton intensities obtained by the Explorer 12. There are systematic deviations between the theoretical and experimental data. Orig. art. has: 1 figure and 8 equations.

SUB CODE: 20,03/ SUBM DATE: 03Jun66/ ORIG REF: 004/ OTH REF: 005

Card 1/1 UDC: 550.385.41

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

L 36946-66 EWT(1)/FCC GW
ACC NR: AP6019591 SOURCE CODE: UR/0293/66/004/003/0378/0393

AUTHORS: Yershkovich, A. I.; Pletnev, V. D.; Skuridin, G. A.

ORG: none

TITLE: Motion of charged particles in the vicinity of the neutral point

SOURCE: Kosmicheskiye issledovaniy , v. 4, no. 3, 1966, 378-393

TOPIC TAGS: magnetic field, solar wind, magnetosphere, particle trajectory, asymptotic property, CHARGED PARTICLE, EARTH MAGNETIC FIELD

ABSTRACT: The motion of charged particles in the vicinity of neutral points is discussed, using two- and three-dimensional models. The neutral point is shown to be a regular singularity in the magnetic field and exists on the boundaries of the magnetosphere where the solar wind interacts with the geomagnetic field. Two types of fields are considered:

$$H_x = -2Ax, \quad H_y = -2Ay, \quad H_z = 4Az ,$$

and

$$H_x = -2Ax; \quad H_y = 0, \quad H_z = 2Az,$$

The orbits of charged particles are calculated first in the two-dimensional field where exact solutions are obtained for several special cases. The three-dimensional case is analyzed by using the Volosov recurrence method. The equations

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$$\ddot{x} = \omega_z\dot{y} - \omega_y\dot{z},$$
$$\ddot{y} = -\omega_z\dot{x} + \omega_x\dot{z},$$
$$\ddot{z} = \omega_y\dot{x} - \omega_x\dot{y},$$

$$\omega_x = \frac{eH_x}{mc}, \quad \omega_y = \frac{eH_y}{mc}, \quad \omega_z = \frac{eH_z}{mc},$$

are solved asymptotically by assuming

$$\omega_x = \varepsilon^{n+1}\omega_1, \quad \omega_y = \varepsilon^{n+1}\omega_2, \quad \omega_z = \varepsilon^n\omega_3,$$
$$\omega_1 \sim \omega_2 \sim \omega_3 \sim 1, \varepsilon \ll 1.$$

For each magnetic field the reflection boundaries are calculated, the conditions of hose instability determined, and two mechanisms are proposed for particle penetration into the magnetosphere. The authors express gratitude to V. P. Shalimov and L. S. Chesalin for evaluating this work. Orig. art. has: 3 figures and 64 formulas. [04]

SUB CODE: 0320/ SUBM DATE: 31Jan66/ ORIG REF: 012/ OTH REF: 006/ ATD PRESS: 5036

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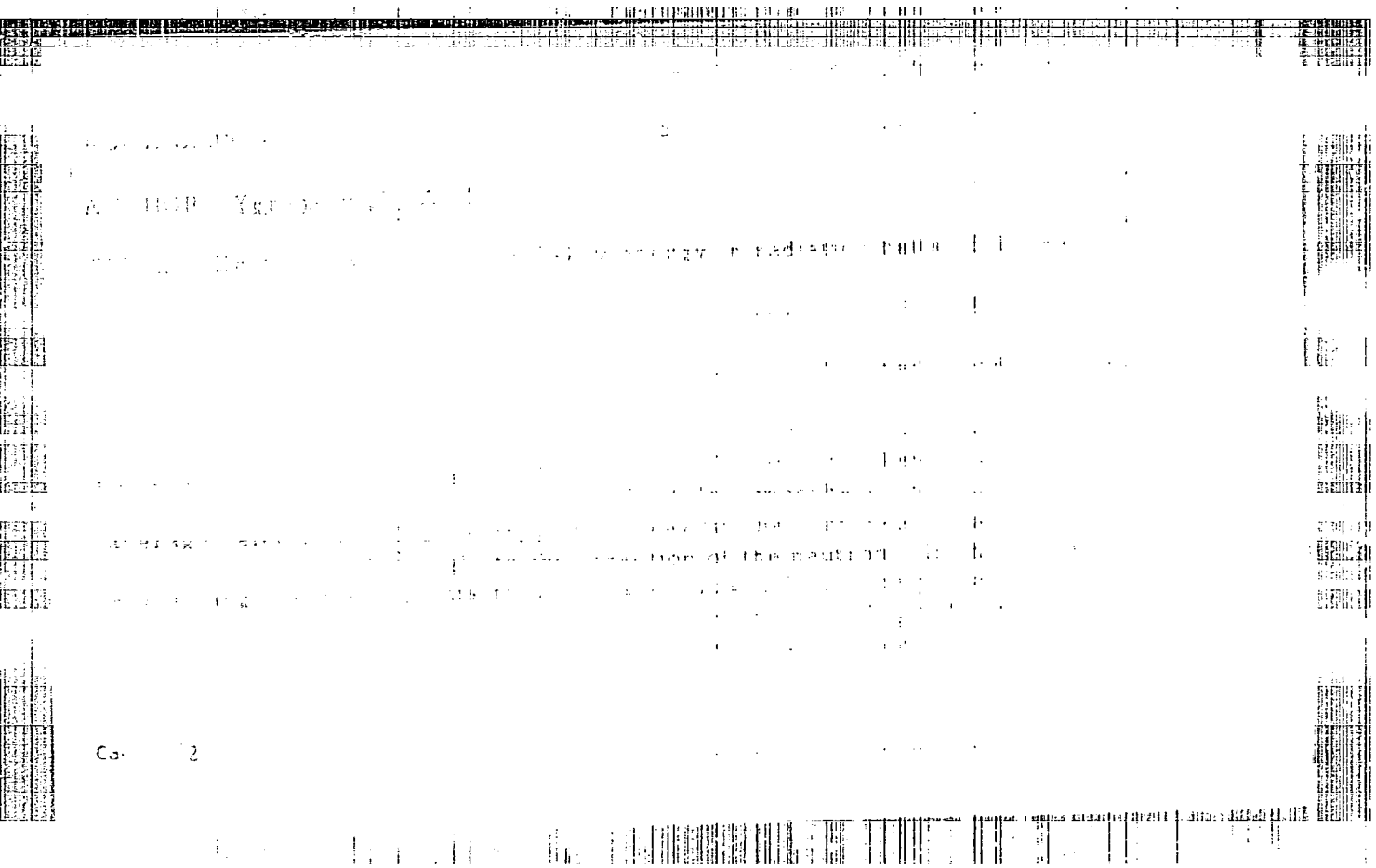

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

L 29522-65

ACCESSION NR: AP3007671

streams of [illegible]-kev electrons may reach 7.3×10^{8} and 3.3×10^{8} per [illegible] [illegible] the experimental data [illegible]

also evaluated. Orig. art. has: 5 figures and 23 formulas.

SUBMITTED: [illegible]

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

KHUDOKORMOV, D.N.; YERSHOVICH, A.N.; Prinimali uchastiye: FEDCHENKO, A.M.; SHORUPOV, V.I.; BOLOTSKIY, V.D.; KOMAROV, O.S.; ANDROSIK, Ye.I.; KUDI, V.I.; GALUSHKO, A.M.; KLEYEV, A.N.; KHOSEN, R.I.; MURASHKO, O.A.

Technology of the production of gray cast iron in the manufacture of tractor trucks. Lit. proizv. no.7:37-38 Jl '63. (MIRA 17:1)

1. Nauchno-issledovatel'skiy tekhnologicheskiy institut avtomobil'noy promyshlennosti (for all except Khudokormov).

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, I. G.

PA 16T54

USSR/Medicine - Roentgen Rays Feb 1947
Medicine - Histology

"The Value of Roentgen Radiation in the Preparation of Biogenous Stimulators," I. G. Yershkovich, Ukrainian Experimental Institute of Eye Diseases imeni V. P. Filatov, 7 pp

"Oftalmologicheskiy Zhurnal" Vol II, No 2

Describes three series of experiments with tabulated results, graphs, and two photographs. Agrees with the theory of Academician Filatov that among the simple factors damaging to live tissues, Roentgen radiation is also a source of biogenous stimulators.

The Director of the Institute is Laureate of the Stalin Prize, Academician V.P. Filatov. 16T54

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, I.G.

[Results of iridosclerectomy in relation to stage of development and of the glaucomatous compensation process] Iskhody antiglaukomatoznykh fistuliziruiushchikh operatsii v zavisimosti ot stadii razvitiia i kompensatsii glaukomatoznogo protsessa. Vest. oft. 29 no.2:17-26 Mr-Ap '50. (CLML 19:1)

1. Of the Ukrainian Experimental Institute for Eye Diseases imeni Academician V.P.Filatov (Director -- Academician V.P.Filatov).

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, I.G., prof.; SINOVICH, V.A., aspirant

Use of armine in glaucoma. Oft.zhur. 13 no.2:94-98 '58. (MIRA 11:4)

1. Iz kliniki glaznykh bolezney (zav.-prof. I.G.Yershkovich) Khabarovskogo meditsinskogo instituta.
(GLAUCOMA) (ARMINE)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, I.G., prof.

Practical value of posterior sclerectomy. [with summary in English]
Vest.oft. 71 no.6:16-22 N-D '58 (MIRA 11:11)

1. Zaveduyushchiy kafedroy glaznykh bolezney Khabarovskogo meditsinskogo instituta.
(SCLERA--SURGERY)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, I.G., prof.

Importance of diamox and fonurit in preparation for antiglaucomatous surgery and in the posoperative period. Oft.zhur. 14 no.7:403-408 '59. (MIRA 13:4)

1. Iz glaznoy kliniki (zaveduyushchiy - prof. I.G. Yershkovich) Khabarovskogo meditsinskogo instituta.
(GLAUCOMA) (THIADIAZOLE SULFONAMIDE)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, Isaak Grigor'yevich

[Treatment of primary glaucoma] Lechenie pervichnoi glaukomy. Moskva, Medgiz, 1960. 266 p. (MIRA 14:2)
(GLAUCOMA)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, I.G.; SINOVICH, V.A.

Therapeutic effect of ginseng in glaucoma. Trudy Khab.med.inst. no.20:187-192 '60. (MIRA 15:10)

1. Iz kliniki glaznykh bolezney (zav. prof. I.G.Yershkovich) Khabarovskogo meditsinskogo instituta.
(GINSENG) (GLAUCOMA)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, I.G., prof.

Partial penetrating transplantation of the cornea with a trephine five millimeters in diameter. Oft. zhur. 16 no.2:74-79 '61.
(MIRA 14:3)

1. Iz glaznoy kliniki (zav. - prof. I.G.Yershkovich) Khabarovskogo meditsinskogo instituta.

(CORNEA—TRANSPLANTATION)
(EYE, INSTRUMENTS AND APPARATUS FOR)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, I.G., prof.

Partial lamellar corneal transplantation as a method of closing a corneal fistula. Oft. zhur. 16 no.4:200-204 '61. (MIRA 14:7)

1. Iz glaznoy kliniki (zav. - prof. I.G.Yershkovich) Khabarovskogo meditsinskogo instituta.
(CORNEAL TRANSPLANTATIONS)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, I.G., prof.; ARZAMASKOVA, G.A., kand. med. nauk; GOL'DFEL'D, N.G., kand. med. nauk; GORYACHEV, Yu.Ye., kand. med. nauk; LVAKHOVA, V.N., kand. med. nauk; REDKINA, Ye.I., kand. med. nauk; CHEPKASOVA, N.D., kand. med. nauk

"Manual on eye diseases; vol. 2 [illegible]. Reviewed by I.G. Ershkovich and others. Vestn. [illegible] no.4:88-95 Jl-Ag '63 (MIRA 17:1)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, Ye.G.

[Glaucoma; concise bibliography of Russian literature] Glaukoma; kratkiy bibliograficheskiy ukazatel' otechestvennoy literatury. [Odessa] Odesskoe obl. izd-vo, 1956. 117 p. (MLRA 10:3)
(BIBLIOGRAPHY--GLAUCOMA)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

SKORODINSKAYA, V.V.; PUCHKOVSKAYA, N.A.; YERSHKOVICH, Ye.G.

[Bibliography of Russian literature on tissue therapy] Bibliograficheskii ukazatel' otechestvennoi literatury po tkanevoi terapii. [Odessa] Odesskoe oblastnoe izd-vo, 1956. 164 p. (MIRA 11:5)
(BIBLIOGRAPHY--TISSUE EXTRACTS)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, Ye.G.

List of subjects of dissertations in ophthalmology to be defended for the academic degree of Doctor or Candidate of Medical, Biological and Veterinary Sciences in 1954. Oft.zhur. 11 no.1:62-63 '56. (MLRA 9:9)

1. Ukrainskiy eksperimental'nyy institut glaznykh bolezney imeni akademika V.P.Filatova.

(DISSERTATIONS, ACADEMIC)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, Ye.G.

List of dissertations in ophthalmology submitted in 1951-1952 for the degree of Doctor or Candidate of Medical, Biological, Veterinary and Pedagogical Sciences. Oft.zhur. 12 no.1:62-64 '57. (MLRA 10:8)
(BIBLIOGRAPHY--OPHTHALMOLOGY)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, Ye G.

YERSHKOVICH, Ya.G.

List of dissertations in opthalmology submitted for candidate or doctoral degrees in medicine, biology, veterinary medicine, and pedagogy. Oft.zhur. 12 no.2:127-128 '57. (MIRA 10:11

1. Bibliograf Ukrainskogo eksperimental'nogo instituta glaznykh bolezney imeni akad. V.P.Filatova.
(BIBLIOGRAPHY--EYE--DISEASES AND DEFECTS)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, Ye.G.

YERSHKOVICH, Ye.G., bibliograf

List of dissertations in ophthalmology submitted for candidate or doctoral degrees in medicine, biology, veterinary medicine, and pedagogy. Oft.zhur. 12 no.3:190-192 '57. (MIRA 10:11)

1. Ukrainskiy eksperimental'nyy institut glaznykh bolezney im. akad. V.P.Filatova.
(BIBLIOGRAPHY--EYE--DISEASES)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YEHSHKOVICH, Ye.G., bibliograf.

List of dissertation topics in ophthalomology submitted in 1957 for the degrees of doctor or candidate of medical, biological, veterinary, and pedagogical sciences. Oft.zhur. 13 no.5:316-317 '58 (MIRA 11:10)

1. Ukrainskiy eksperimental'nyy institut glaznykh bolezney imeni akademika V.P. Filatova.
(BIBLIOGRAPHY--OPHTHALMOLOGY)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, Ye.G., bibliograf

List of disseratations on tissue therapy during the past 25 years (1933-1958). Oft.zhur. 13 no.8:501-505 '58. (MIRA 12:2)

1. Ukrainskiy eksperimental'nyy institut glaznykh bolezney im. akad. V.P. Filatova.
(BIBLIOGRAPHY--TISSUE EXTRACTS)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKEVICH, Yu.G., bibliograf

List of dissertations on ophthalmology offered for higher degrees in 1958. Oft.zhur. 14 no.4:254-256 '59.
(MIRA 12:10)

1. Ukrainskiy eksperimental'nyy institut glaznykh bolezney im. akad.V.P.Filatova.
(OPHTHALMOLOGY--BIBLIOGRAPHY) (BIBLIOGRAPHY--OPHTHALMOLOGY)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHEOVICH, Ye. G., bibliograf

List of dissertations on ophthalmology presented in 1961 to be defended in candidacy for the science degree of doctor or candidate of medical, biological, veterinary and pedagogic sciences. Oft. zhur. 17 no.4:255-256 '62. (MIRA 15:7)

1. Ukrainskiy nauchno-issledovatel'skiy eksperimental'nyy institut glaznykh bolezney i tkanevoy terapii im. akademika V. P. Filatova.

(BIBLIOGRAPHY—OPHTHALMOLOGY)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, Ye.G.; RUKIN, V.A.

Bibliographical index of scientific papers published during 25 years (1936-1961) by the Ukrainian Institute for Eye Diseases and Tissue Therapy. Uch. zap. UKIGB 5:333-400 '62

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, Ya.G., bibliograf; NEVSKIY, V.A., bibliograf

Bibliography of native ophthalmological literature for 1962.
Oft. zhur. 18 no.7:445 '63 (MIRA 17:4)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHKOVICH, Ye.G., bibliograf.

List of dissertation themes on ophthalmology for 1962. Oft. zhur. 18 no.4:253 '63 (MIRA 17:4)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHOV, A.

Change-over to the 7-hour workday. Obshchestv.pit. no.9:11-13 S '60.
(MIRA 13:11)

1. Nachal'nik Glavnogo upravleniya obshchestvennogo pitaniya Mosgorispolkoma.
(Moscow--Restaurants, lunchrooms, etc.)
(Hours of labor)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHOV, A.

Three new enterprises every week. Obshchestv. pit. no.6:27-28 Je '62. (MIRA 15:9)

1. Nachal'nik Glavnogo upravleniya obshchestvennogo pitaniya ispolnitel'nogo komiteta Moskovskogo Soveta deputatov trudyashchikhsya.
(Moscow--Restaurants, lunchrooms, etc.)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHOV, A.

Restored face. Sov.shakht. 10 no.8:38 Ag '61. (MIRA 14:8)

(Surgery, Plastic)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHOV, A.

"Days spent with Sepp Zach" by Regina Hastedt. Reviewed by A. Ershov. Sov.shakht. 10 no.9:38 S '61. (MIRA 14:8)
(Germany, East—Coal miners)
(Hastedt, Regina)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHOV, A., kapitan; SAFONOV, I., kapitan

Toward new achievements. Komm.Vooruzh.Sil 1 no.4:45-46 F '61.
(MIRA 14:8)
(Radio, Military)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHOV, A.

Improve the quality of service. Obshchestv.pit. no.1:7-8 Ja '62. (MIRA 15:4)

1. Nachal'nik Glavnogo upravleniya obshchestvennogo pitaniya Moskovskogo gorodskogo ispolnitel'nogo komiteta.
(Restaurant management)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHOV, A. A.

YERSHOV, A. A.: "The measurement of the hardness of non-metallic materials." Committee on Standards, Measures, and Measuring Instruments, Council of Ministers USSR. All-Union Sci Res Inst of Metrology Imeni D. I. Mendeleyev. Leningrad, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

Source: Knizhnaya letopis' No. 28 1956 Moscow

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

ACC NR: AP6033617 SOURCE CODE: UR/0136/66/000/010/0068/0070

AUTHOR: Zasukha, P. F.; Bukhvalov, O. B.; Yershov, A. A.; Nikiforov, V. K.

ORG: none

TITLE: Rolling of ASM alloy-clad steel with an aluminum insert

SOURCE: Tsvetnyye metally, no. 10, 1966, 68-70

TOPIC TAGS: aluminum alloy, cladding, steel, clad metal rolling/ASM alloy

ABSTRACT: The effect of antimony content in the ASM alloy (3.5—6.5% Sb, 0.3—0.7% Mg, 0.3—0.7% Fe, 0.3—0.5% Si, Al-balance) on bond strength between the alloy cladding and a low-carbon steel base has been investigated. Low-carbon steel plate was clad with pure aluminum or alloys containing up to 8% antimony. It was found that the bond strength between pure aluminun and steel reached 6.4 kg/mm^2; it was reduced to 6.0 kg/mm^2 in the case of alloy containing 2% antimony, and 3.0 kg/mm^2 in alloy with 8% antimony. The steel-ASM alloy interface contained numerous brittle crystals of AlSb compound, which caused a separation of cladding. To eliminate the effect of antimony and other alloying elements on bond strength, the cladding was done with an aluminum inter-

Card 1/2 UDC: 669-419.4:621.771

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

ACC NR: AP6033617

layer. In practice, the machined ASM alloy ingots are pack-rolled with A6 aluminum sheets 3 mm thick at 500—540C in eight passes with reduction from 136 to 8 mm, then cold rolled to the required thickness. The cold-rolled sheets are then used as cladding material for steel. Orig. art. has: 2 figures.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 004

Card 2/2

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHOV, A.B.;SHAREVSKAYA, Ye.Ye;KOTREKHOVA, A.I.;YUR'YEV,A.I.;SAVINYKH, Ye.A.;GRINSHTEYN, I.M.

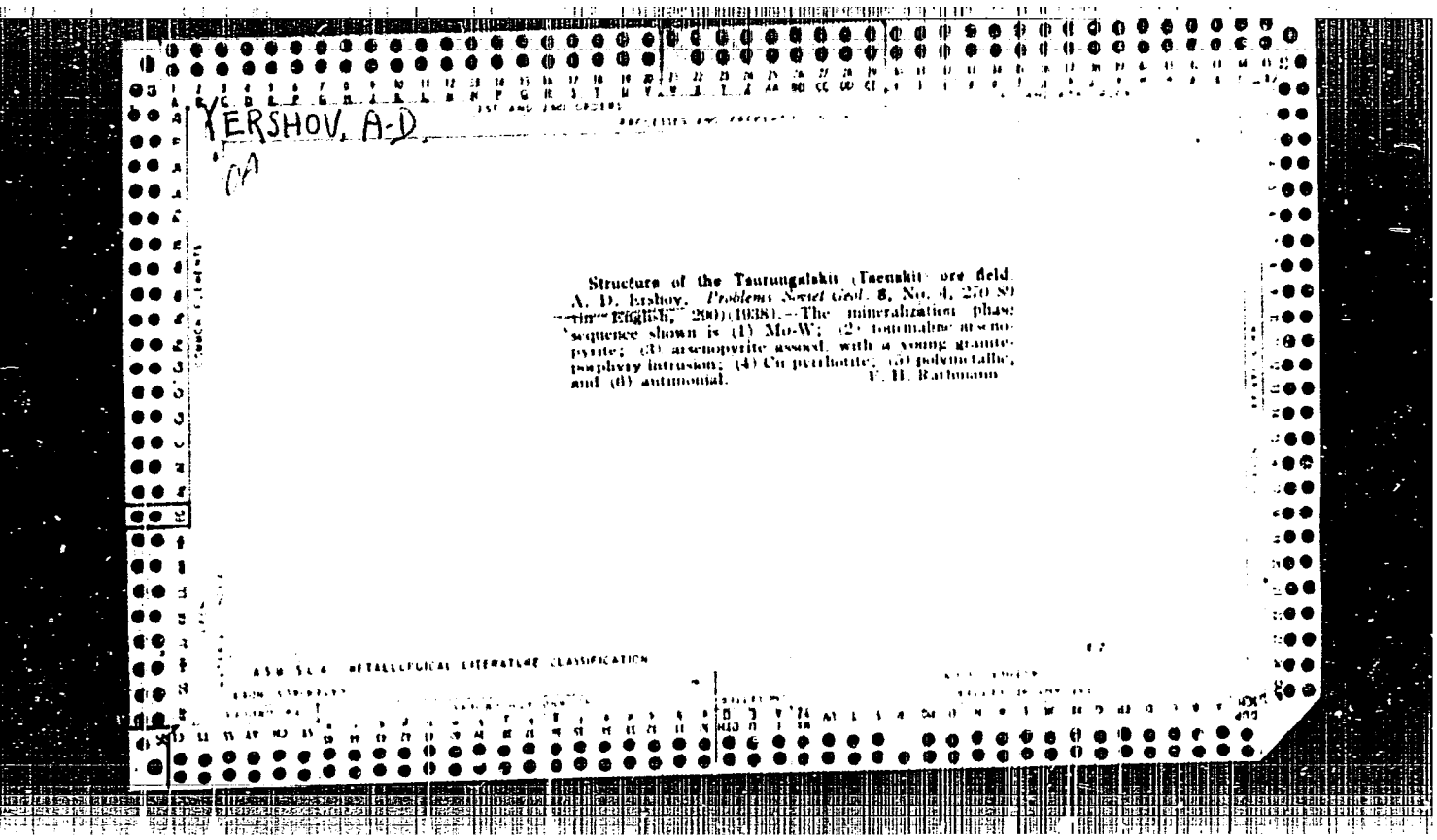
Horizontal percolation permits an increase in alcohol production. Gidrolis. i lesokhim.prom.8 no.5:3-4 '55. (MLRA 9:1)

1.Arkhangel'skiy gidrolizuyy zavod (for Yershov, Sharevskaya, Kotrekhova, Yur'yev, Savinykh). 2.Vsesoyuznyy nauchno-issledovatel'skiy institut gidrolizuoy issul'fitno-spirtovoy promyshlennosti (for Grinshteyn).

(Distillation) (Alcohol)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2



YERSHOV, A.D.

Structure of the Tsurungalskii (Tsenukit) ore field. A. D. Ershov. *Problems Soviet Geol.* 8, No. 4, 270-80 (in English, 280)(1938).—The mineralization phases sequence shown is (1) Mo-W; (2) tourmaline-arsenopyrite; (3) arsenopyrite assocd. with a young granite-porphyry intrusion; (4) Cu pyrrhotite; (5) polymetallic, and (6) antimonial. V. H. Rathmann

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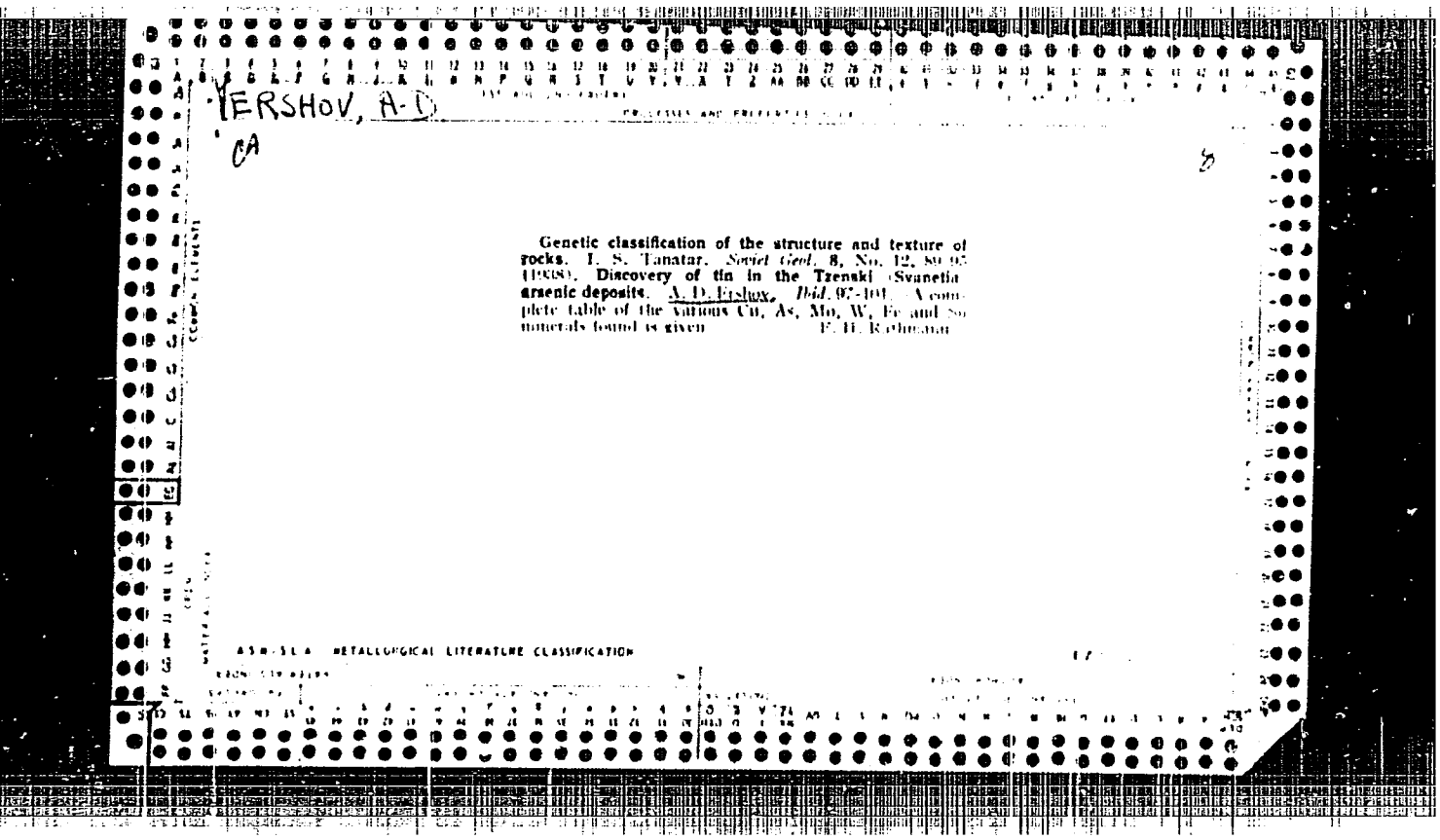


YERSHOV, A-D

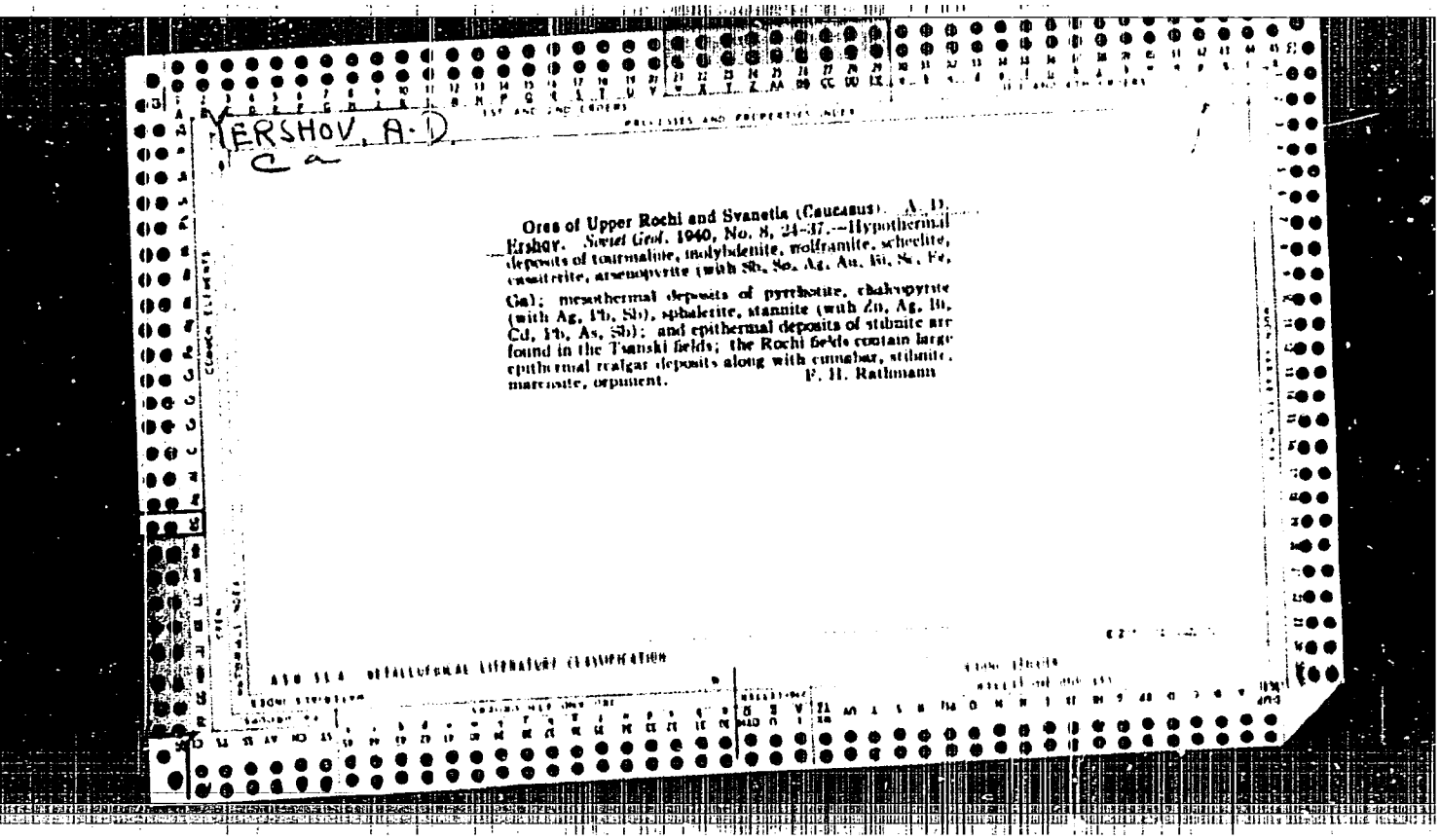
CA

Genetic classification of the structure and texture of rocks. I. S. Tanatar. *Soviet Geol.* 8, No. 12, 80-95 (1938). Discovery of tin in the Tzenski (Svanetia) arsenic deposits. A. D. Ershov. *Ibid.* 97-101. A complete table of the various Cu, As, Mo, W, Fe and Sn minerals found is given. F. H. Rothman

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2



YERSHOV, A.D.

Ca

Ores of Upper Rochi and Svanetia (Caucasus). A. D. Ershov. *Soviet Geol.* 1940, No. 8, 24–37.—Hypothermal deposits of tourmaline, molybdenite, wolframite, scheelite, cassiterite, arsenopyrite (with Sb, Se, Ag, Au, Bi, Sn, Fe, Ga); mesothermal deposits of pyrrhotite, chalcopyrite (with Ag, Pb, Sb), sphalerite, stannite (with Zn, Ag, Bi, Cd, Pb, As, Sb); and epithermal deposits of stibnite are found in the Tsanski fields; the Rochi fields contain large epithermal realgar deposits along with cinnabar, stibnite, marcasite, orpiment. F. H. Rathmann

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHOV, A.D.

New data on the geology of non-ferrous and rare metals. Sov.geol. no.14-15:3-10 '47. (MLRA 8:8)
(Ore deposits)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

C.A. YERSHOV, A.D.

Resistance of an electrolyte in a bath with several cylindrical electrodes. A. D. Ershov and V. S. Afoshin. *Zhur. Prikład. Khim.* (*J. Applied Chem.*) 24, 1210-12 (1951).—The problem of current and potential distribution in a bath with a central cylindrical anode and a no. n of cylindrical cathodes disposed around it is treated by analogy to the corresponding electrostatic problem. A complicated formula is obtained for the elec. resistance of the system in terms of n, the concn. of the electrolyte, the radii of the anode and the cathodes, and the distances. The resistance depends mainly on the radius of the anode and the anode-cathode distance, less on n and the radius of the cathodes. Practically, the resistance of such a system is not very much different from the resistance of a system of 2 coaxial cylindrical electrodes.

N. Thon

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHOV, A.D.

USSR/ Minerals - Book review

Card 1/1 Pub. 46 - 14/24

Authors : Yershov, A. D.

Title : About the symposium entitled, "Basic Problems in Teaching about the Magmatogenic Ore Deposits"

Periodical : Izv. AN SSSR. Ser. geol. 6, 111-116, Nov-Dec 1954

Abstract : Critical analysis is made of the separate reports by Betekhtin, Vol'fson, Zavaritskiy, Korzhinskiy, Levitskiy and Nikolayev included in their combined symposium entitled, "The Basic Problems in Teaching about the Magmatogenic Ore Deposits", (1953).

Institution : .....

Submitted : July 20, 1954

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

POYARKOV, V.E.; BRITAYEV, M.D., redaktor; GERASIMOVSKIY, V.I., redaktor; YERSHOV, A.D., redaktor; KONSTANTINOV, M.M., redaktor; NIFONTOV, R.V., redaktor; SAAKYAN, P.S., redaktor; SMIRNOV, V.I., redaktor; SOLOV'YEV, D.V., redaktor; CHERNOSVITOV, Yu.L.; NIFONTOV, R.V., redaktor; KOSOV, B.M., redaktor; KRASNOVA, N.E., redaktor; GUROVA, O.A., tekhnicheskiy redaktor.

Mercury and antimony. Otsenka mestorozhdenii pri poiskakh i razvedkakh no. 15:3-207 '55. (MLRA 9:3)

(Mercury) (Antimony)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

YERSHOV, A.D.

LAVROVICH, Nikolay Stepanovich; BRITAYEV, M.D., redaktor; GERASIMOVSKIY, V.I., redaktor; YERSHOV, A.D., redaktor; KONSTANTINOV, M.M.; MIKHAYLOV, E.V., glavnyy redaktor; SAAKYAN, P.S., redaktor; SMIRNOV, V.I., redaktor; SOLOV'YEV, D.V., redaktor; CHERNOSVITOV, Yu.L., redaktor; SOSHNIKOVA, M.S., redaktor vypuska; SERGEYEVA, N.A., redaktor izdatel'stva; AVERKIYEVA, T.A., tekhnicheskiy redaktor.

[Fluorspar; (fluorite).] Plavikovyi shpat (fliuorit). Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1956. 133 p. (Otsenka mestorozhdenii pri poiskakh i razvedkakh, no.16).
(Fluorite) (MLRA 10:9)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

OBRUCHEV, V.A.

SHCHERBAKOV, D.I., akademik; SHATSKIY, N.S., akademik; MIRONOV, S.I., akademik; STRAKHOV, N.M., akademik; KORZHINSKIY, D.S., akademik; BETEKHTIN, A.G., akademik; MALIVKIN, D.V., akademik; POLKANOV, A.A., akademik; AFANAS'YEV, G.D.; VLASOV, K.A.; CHUKHROV, F.V.; LEVITSKIY, O.D.; PAVLOVSKIY, Ye.V., professor; BARSANOV, G.P., professor; YEGOSHOV, A.D.; IVANOV, B.V.; YABLOKOV, V.S.; ARDASHNIKOVA, S.D.

Academician Vladimir Afanas'evich Obruchev, hero of socialist labor; obituary. Izv. AN SSSR. Ser.geol. 21 no.6:5-10 Je'56. (MIRA 9:10)

1. Chlen-korrespondent Akademii nauk SSSR (for Afanas'yev, Vlasov, Chukhrov, Levitskiy).

(Obruchev, Vladimir Afanas'yevich, 1863-1956)

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YERSHOV, A.D

11-12-8/10

AUTHORS: Shcherbakov, D.I., Afanas'yev, G.D., and Yershov, A.D.

TITLE: Actual Member of the Academy of Sciences of the Georgian SSR Alexander Antonovich Tvalchrelidze (Deystvitel'nyy chlen akademii nauk Gruzinskoy SSR Aleksandr Antonovich Tvalchrelidze)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1957, # 12. pp 109-110 (USSR)

ABSTRACT: Professor Aleksandr Antonovich Tvalchrelidze died on 29 July 1957 at the age of 76. He was a prominent scientist, actual member of the Academy of Sciences of the Georgian SSR, director of the Caucasian Institute for Mineral Resources of the Ministry of Geology and Conservation of Natural Resources, chairman of the council for study of power resources of the Academy of Sciences of the Georgian SSR and Head of the Chair for Mineralogy and Petrography at the State University of Tbilisi.

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GUDALIN, G.G.; STERKIN, B.D., nauchnyy red.; YERSHOV, A.D., glavnyy STERKIN, B.D., red.; NEKRASOVA, N.B., red.izd-va; IVANOVA, ..., tekhn.red.

[Industry's demands in the quality of mineral raw materials; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.25. [Copper] Med'. 1958. 54 p. (MIRA 12:8)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Ores--Sampling and estimation)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

KALENOV, A.D.; LIBERMAN, R.M.; GINZBURG, A.I., nauchnyy red.; YERSHOV, A.D., glavnyy red.; NEKRASOVA, N.B., red.izd-va; IVANOVA, A.G., tekhn.red.

[Industry's demands in the quality of mineral raw materials; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.68. [Scandium] Skandii. Izd.2., perer. 1959. 17 p. (MIRA 12:8)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Ores--Sampling and estimation)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

PECHURO, S.S.; SHNEYDER, V.Ye.; KRZHEMINSKIY, S.A., nauchnyy red.; YERSHOV, A.D., glavnyy red.; NEKRASOVA, N.B., red.izd-va; IVANOVA, A.G., tekhn.red.

[Industry's demands in the quality of mineral raw materials; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.50. [Gypsum] Gipsy. Izd.2., perer. 1959. 40 p. (MIRA 12:8)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Ores--Sampling and estimation)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

STEPANOV, I.S.; CHERNOSVITOV, Yu.L., nauchnyy red.; YERSHOV, A.D., glavnyy red.; GINZBURG, A.I., red.; ZYKHEV, L.V., red.; ZUBAREV, N.N., red.; KREYTER, V.M., red.; MOKROUSOV, V.A., red.; SOLOV'YEV, D.V., red.; KHRUSHCHOV, N.A., red.; SHMANENKOV, I.V., red.; STOLYAROV, A.G., red.; IVANOVA, A.G., tekhn.red.

[Industrial requirements as to the quality of mineral raw materials; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd.2., perer. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.46. [Rubidium and cesium] Rubidii i tsezii. Nauchn.red. IU.L. Chernosvitov. 1960. 33 p. (MIRA 14:2)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Rubidium) (Cesium)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

SOKOLOV, P.N.; SHNEYDER, V.Ye.; GORSHKOLKPOV, N.A., nauchnyy red.; YERSHOV, A.D., glavnyy red.; NEKRASOVA, M.B., red.izd-va; IVANOVA, A.G., tekhn.red.

[Industry's demands in the quality of mineral raw materials; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Ges. nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.5. [Asbestos] Asbest. Izd.2. 1959. 50 p. (MIRA 12:8)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Ores--Sampling and estimation)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

MILOVANOV, G.N.; CHERNOSVITOV, Yu.L.; GINZBURG, A.I., nauchnyy red.; YERSHOV, A.D., glavnyy red.; ZVEREV, L.V., red.; ZUBAREV, N.N., red.; KREYTER, V.M., red.; MOKROUSOV, V.A., red.; SOLOV'YEV, D.V., red.; KHRUSHCHOV, N.A., red.; SHMANENKOV, I.V., red.; IZRAILEVA, G.A., red.izd-va; IVANOVA, A.G., tekhn.red.

[Industry's requirements as to the quality of mineral raw material; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.51. [Rare earth elements] Redkozemel'nye elementy. Izd.2., perer. 1959. 58 p. (MIRA 12:12)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

(Rare earths)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

CHERNOSVITOV, Yu.L.; KONSTANTINOV, M.M., nauchnyy red.; YERSHOV, A.D., glavnyy red.; SHMANENKOV, I.V., zam.glavnogo red.; GINZBURG, A.I., red.; ZVEREV, L.V., red.; KREYTER, V.M., red.; KOKROUSOV, V.A., red.; SOLOV'YEV, D.V., red.; KHRUSHCHOV, N.A., red.; NEKRASOVA, N.B., red.izd-va; IVANOVA, A.G., tekhn.red.

[Industrial requirements for the quality of raw minerals; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr. No.67. [Uranium] Uran. Nauchn. red.M.M.Konstantinov. Izd.2., perer. 1959. 65 p. (MIRA 13:1)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

(Uranium)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

BORZUNOV, V.M.; PETROV, V.P., nauchnyy red.; YERSHOV, A.D., glavnyy red.; CHERNOSVITOV, Yu.L., zam.glavnogo red.; SHMANENKOV, I.V., zam. glavnogo red.; GINZBURG, A.I., red.; ZVEREV, L.V., red.; ZUBAREV, N.N., red.; KREYTER, V.M., red.; MOKROUSOV, V.A., red.; SOLOV'YEV, D.V., red.; KHRUSHCHOV, N.A., red.; STOLYAROV, A.G., red.izd-va; IVANOVA, A.G., tekhn.red.

[Industry's requirements as to the quality of mineral raw materials; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd.2., perer. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.12. [Feldspars] Polevoshpatovoe syr'e. Nauchn.red. V.P.Petrov. 1960. 25 p. (MIRA 13:9)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Feldspar)

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VESELOVSKIY, V.S.; BERLING, N.I., nauchnyy red.; YERSHOV, A.D., glavnyy red.; CHERNOSVITOV, Yu.L., zam.glavnogo red.; SHMANENKOV, I.V., zam. glavnogo red.; GINZBURG, A.I., red.; ZVEREV, L.V., red.; KUBAREV, N.N., red.; KREYTER, V.M., red.; MOKROUSOV, V.A., red.; SOLOV'YEV, D.V., red.; KHRUSHCHOV, N.A., red.; STOLYAROV, A.G., red.izd-va; IVANOVA, A.G., tekhn.red.

[Industry's requirements as to the quality of mineral raw materials; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd.2., perer. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.3. [Graphite] Grafit. Nauchn.red. N.I.Berling. 1960. 44 p. (MIRA 13:9)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Graphite)

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VASIL'YEV, Petr Vasil'yevich; YERSHOV, A.D., glavnyy red.; KREYTER, V.M., zam. glavnogo red.; KALMYKOV, G.S., red; BRITAYEV, M.D., red.; KRASNIKOV, V.I., red.; MALYSHEV, I.I., red.; MOMDZHI, G.S., red.; SAAKYAN, P.S., red.; SMIRNOV, V.I., red.; SOLOV'YEV, D.V., red.; CHERNOSVITOV, Yu.L., red.; KHRUSHCHOV, N.A., red.; PANOVA, A.I., red.izd-va; GUROVA, O.A., tekhn.red.

[Coal] Ugol'. Moskva, Gos.nauchn.-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1960. 343 p. (Otsenka mestorozhdeniĭ pri poiskakh i razvedkakh, no. 5) (MIRA 14:2)
(Mine examination) (Coal)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

KHRUSHCHOV, N.A.; BUTKEVICH, T.V.; YERSHOV, A.D., glavnyy red.; SHMANENKOV, I.V., zam.glavnogo red.; CHERNOSVITOV, Yu.L., nauchnyy red.; GINZBURG, A.I., red.; ZVEREV, L.V., red.; ZUBAREV, N.N., red.; KREYTER, V.M., red.; MOKROUSOV, V.A., red.; SOLOV'YEV, D.V.; STOLYAROV, A.G., red.; IVANOVA, A.G., tekhn.red.

[Industrial requirements for the quality of mineral raw materials; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd.2., perer. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.27. [Molybdenum and rhenium] Molibden i renii. Nauchnyi red. IU.L.Chernosvitov. 1960. 45 p. (MIRA 14:1)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Molybdenum ores) (Rhenium ores)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

BUTKEVICH, T.V.; YERSHOV, A.D., glav. red.; CHERNOSVITOV, Yu.L., zamestitel' glav. red.; SHMANENKOV, I.V., zamestitel' glav. red.; GINZBURG, A.I., red.; ZVEREV, L.V., red.; ZUBAREV, N.N., red.; MOKROUSOV, V.A., red.; SOLOV'YEV, D.V., red.; TROYANOV, A.T., red.; KHRUSHCHEV, N.A., red.; STEPANOV, I.S., nauchnyy red.; ROZHKOVA, L.G., red. izd-va; IYERUSALIMSKAYA, Ye.S., tekhn. red.

[Industry's requirements as to the quality of mineral raw materials; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd. 2., perer. Moskva, Gos. nauchno-tekhn. izd-vo lit- ry po geol. i okhrane nedr. No. 43. [Tungsten] Vol'fram. 1960. 61 p. (MIRA 14:5)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr"ya.

(Tungsten)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

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VASIL'YEV, P.V.; YERSHOV, A.D., glavnyy red.; CHERNOSVITOV, Yu.L., zam. glavnogo red.; SHMANENKOV, I.V., zam.glavnogo red.; KALMYKOV, G.S., nauchnyy red.; GINZBURG, A.I., red.; ZVEREV, L.V., red.; ZUBAREV, N.N., red.; KREYTER, V.M., red.; MOKROUSOV, V.A., red.; SOLOV'YEV, D.V., red.; KHRUSHCHOV, N.A., red.; FEDOROVA, L.N., red.izd-va; IVANOVA, A.G., tekhn.red.

[Industry's requirements as to quality in mineral raw materials; a handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd.2., perer. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.66. [Coal] Ugol'. Nauchn.red.G.S.Kalmykov. 1960. 110 p. (MIRA 14:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

(Coal)

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VINOGRADOV, S.S.; ZUBAREV, N.N., nauchnyy red.; YERSHOV, A.D., glav. red.; CHERNOSVITOV, Yu.L., zam. glav. red.; SHMANENKOV, I.V., zam. glav. red.; GINZBURG, A.I., red.; ZVEREV, L.V., red.; MOKROUSOV, V.A., red.; SOLOV'YEV, D.V., red.; TROYANOV, A.T., red.; KHRUSHCHOV, N.A., red.; LYUBCHENKO, Ye.K., red. izd-va; BYKOVA, V.V., tekhn.red.

[Industry's requirements as to the quality of mineral raw materials] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd.2., perer. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nedr. No.10[Limestones]Izvestniaki. Nauch. red. N.N.Zubarev. 1961. 61 p. (MIRA 14:10)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

(Limestone)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

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KHRUSHCHOV, N.A.; YERSHOV, A.D., glavnyy red.; KREYTER, V.M., zamestitel' glavnogo red.; BUTKEVICH, T.V., red.vypuska; KRASNIKOV, V.I., red.; MOMDZHI, G.S., red.; SAAKYAN, P.S., red.; SMIRNOV, V.I., red.; CHERNOSVITOV, Yu.L., red.; ENTIN, M.L., red.izd-va; GUROVA, O.A., tekhn.red.

[Molybdenum] Molibden. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol.i okhrane nedr, 1961. 269 p. (Otsenka mestorozhdenii pri poiskakh i razvedkakh, no.19). (MIRA 15:4)
(Molybdenum ores--Sampling and estimation)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

VINOGRADOV, Sergey Sergeyevich; YERSHOV, A.D., glavnyy red.; KREYTER, V.M., zamestitel' glavnogo red.; GRIGOROVICH, M.B., red.vypuska; KRASNIKOV, V.I., red.; MOMDZHI, G.S., red.; SAAKYAN, P.S., red.; SMIRNOV, V.I., red.; KHRUSHCHOV, N.A., red.; CHERNOSVITOV, Yu.L., red.; NEMANOVA, G.F., red.izd-va; BORISOV, A.S., tekhn.red.

[Dolomites] Dolomity. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr, 1961. 173 p. (Otsenka mestorozhdenii pri poiskakh i razvedkakh, no.17) (MIRA 14:11)
(Dolomite)

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YERSHOV, A.D.

Study of ore deposits. Sov.geol. 4 no.10:32-41 O '61.(MIRA 14:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

(Ore deposits)

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AL'TGAUZEN, M.N.; GINZBURG, I.I.; DUBOVSKAYA, M.V.; YERSHOV, A.D.; MELKOV, V.G.; OS'KIN, N.I.; ROZHKOVA, Ye.V.; STRAKHOV, N.M.; KHRUSHCHOV, N.A.; SIMANECHKOV, I.V.; SHCHERBAKOV, D.I.; YANSHIN, A.L.; AMIRASLANOV, A.A.; GOTMAN, Ya.D.; ZUBREV, I.N.; KOROVYAKOV, I.A.; ORLOVA, P.V.; PASOVA, F.G.; SAAKYAN, P.S.; TERENT'YEVA, K.F.; SHANOBSKIY, L.M.; CHERNOSVITOV, Yu.L.; SHCHERBINA, V.V.

IUrii Konstantinovich Goretskii; obituary. Sov.geol. 4 no.12: 153-155 D '61. (MIRA 15:2)
(Goretskii, Iurii Konstantinovich, 1912-1961)

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ABDULLAYEV, Kh.M.; ALYAVDIN, V.F.; AMIRASLANOV, A.A.; ANIKIYEV, N.P.; ARAPOV, Yu.A.; BARSANOV, G.P.; BELYAYEVSKIY, N.A.; BOKIY, G.B.; BORODAYEVSKAYA, M.B.; GOVOROV, I.N.; GODLEVSKIY, M.N.; SHCHEGLOV, A.D.; SHAKHOV, F.N.; SHILO, N.A.; YARMOLYUK, V.A.; DRAMKIN, I.Ye.; YEROFEYEV, B.N.; YERSHOV, A.D.; IVANKIN, P.F.; ITSIKSON, M.I.; KARPOVA, Ye.D.; KASHIN, S.A.; KASHKAY, M.A.; KORZHINSKIY, D.S.; KOSOV, B.M.; KOTLYAR, V.N.; KREYTER, V.M.; KUZNETSOV, V.A.; LUGOV, S.F.; MAGAK'YAN, I.G.; MATERIKOV, M.P.; OBRUCHEV, V.A.; OBRUCHEVA, M.M.; PAVLOV, Ye.S.; SATPAYEV, K.I.; SMIRNOV, V.I.; SOBOLEV, V.S.; SOKOLOV, G.A.; STRAKHOV, N.M.; TATARINOV, I.M.; KHRUSHCHOV, N.A.; TSAREGRADSKIY, V.A.; CHUKHROV, F.V.

In memory of Oleg Dmitrievich Levitskii; obituary. Sov.geol. 4 no.5:156-158 My '61. (MIRA 14:6)
(Levitskii, Oleg Dmitrievich, 1909-1961)

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BELYAYEVSKIY, N.A., red.; ALI-ZADE, A.A., red.; ALIYEV, M.M., red.; BAKIROV, A.A., red.; BELOUSOV, V.V., red.; BEUS, A.A., red.; BOGDANOV, A.A., red.; BORISOV, A.A., red.; BRENNER, M.M., red.; DYUKOV, A.I., red.; YERSHOV, A.D., red.; ZARIDZE, G.M., red.; KALUGIN, A.S., red.; KOSOV, B.M., red.; KOPTEV-DVORNIKOV, V.S., red.; KOTLYAR, V.N., red.; LUGOV, S.F., red.; MAGAK'YAN, I.G., red.; MARINOV, N.A., red.; MARKOVSKIY, A.P., red.; MALINOVSKIY, F.M., red.; PUSTOVALOV, L.V., red.; SATPAYEV, K.I., red.; SEMENENKO, N.P., red.; TYZHNOV, A.V., red.; KHRUSHCHOV, N.A., red.; SHCHEGOLEV, D.I., red.; YARMOLYUK, V.A., red.

[Materials on regional tectonics of the U.S.S.R.] Materialy po regional'noi tektonike SSSR. Moskva, Izd-vo "Nedra," 1964. 193 p. (MIRA 17:4)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy geologicheskiy komitet.

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EGEL', Lev Yevenʹyevich; YERSHOV, A.D., glavnyy red.; ZUBREV, I.N., zam. glavnogo red.; GUDALIN, G.G., red.; KRASNIKOV, V.I., red. [deceased];KORESHKOV, B.Ya., red.; MOMDZHI, G.S., red.; POZHARITSKIY, K.L., red.; SMIRNOV, V.I., red.; SOLOVOV, A.P., red.; TROYANOV, A. T., red.; FILIPPOVSKAYA, T.B., red.; KHRUSHCHOV, N.A., red.; CHERNOSVITOV, Yu.L., red.; GINZBURG, A.I., red.vypuska; PROKOF'YEV, A. P., red.vypuska; SOKOLOVSKAYA, Ye.Ya., red.izd-va; BYKOVA, V.V., tekhn.red.

[Rare-earth metals.] Redkozemel'nye metally. Moskva, Gostoptekhizdat, 1963. 332 p. (Otsenka mestorozhdenii pri poiskakh i razvedkakh, no.21). (MIRA 17:2)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

GLAZKOVSKIY, Aleksandr Aleksandrovich; YERSHOV, A.D., glavnyy red.; ZUBREV, I.N., zamestitel' glavnogo red.; ROGOVER, G.B., red.; GUDALIN, G.G., red.; KORESHKOV, B.Ya., red.; MGMEZHI, G.S., red.; POZHARITSKIY, K.L., red.; SMIRNOV, V.I., red.; SOLOVOV, A.P., red.; TROYANOV, A.T., red.; FILIPPOVSKAYA, T.B., red.

[Nickel.] Nikel'. Moskva, Gosgeoltekhizdat, 1963. 281 p. (Otsenka mestorozhdenii pri poiskakh i razvedkakh, no. 20) (MIRA 17:5)

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ALEKSANDROV, N.V., dots.; YERSHOV, A.D., dots.; KREYS, I.G., tekhn. red.

[Programs of pedagogical institutes; general physics for physics and mathematics faculties; major: mathematics and drawing] Programmy pedagogicheskikh institutov; obshchaia fizika dlia fiziko-matematicheskikh fakul'tetov (spetsial'nost' - matematika, cherchenie). Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1958. 14 p. (MIRA 11:9)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye vysshikh i srednikh pedagogicheskikh uchebnykh zavedeniy.
(Physics--Study and teaching)

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LYSOV, A.S., inzh.; MURINETS, S.V., inzh.; YERSHOV, A.G., inzh.

Comparing various automatic control systems of conveyer charging of the sinter into blast furnaces. Stal' 23 no.12:1073-1077 D '63. (MIRA 17:2)

1. Magnitogorskiy metallurgicheskiy kombinat.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910001-2

GROMOV, V.A.; YEMLSHOV, A.G.

Current density distribution in a hollow cathode. Fiz.sbor. no.4:80-83 '58. (MIRA 12:5)

1. Fizicheskiy fakul'tet Moskovskogo ordena Lenina gosudarstvennogo universiteta imeni M.V.Lomonosova.
(Cathodes) (Electric currents)

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S/147/60/000/01/017/018
E191/E581

AUTHORS: Yershov, A.G. and Sizov, Ye. S.

TITLE: Analysis of the Process of Bending, with Simultaneous Bevelling, of Extruded Profiles by Forcing Through a Die

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya tekhnika, 1960, Nr 1, pp 149-153 (USSR)

ABSTRACT: Simultaneous bending and bevelling of profiles in a single die has been introduced to avoid the need for large dies otherwise required to calibrate the diameter and bevel the flange in making ring frames from profiles with large sizes of the cross-section. This process is theoretically and experimentally investigated by the authors. Aluminium alloy unequal angles of 75 x 50 x 12 mm were bent about the short flange, whilst the long flange was bevelled. The forcing load is first found theoretically on the assumption that plastic deformation arises at a relatively small flexure of an element. A power relation is assumed between stress and strain in the process of elasto-plastic bending. The total forcing load is the sum of the load to carry out the bending of the profile, the load to twist the flange to be bevelled, the

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Analysis of the Process of Bending, with Simultaneous Bevelling, of Extruded Profiles by Forcing Through a Die

load to bend the bevelled flange in its root section and the load due to friction. The separate contributions are evaluated, making use, in part, of some well-known formulae of Nadai. The design of the die facilitates the separation of the load components which largely arise in different sections of the die. The experimental work was carried out on an "Amsler" tensile testing machine where the diagram of the forcing loads was recorded. The comparison with analysis shows that, on the assumption of a friction coefficient of 0.15, the total measured load at 7,500 kg was 12.5% larger than the total predicted load. The largest error of the theory arose in the zone of bevelling in the die. The process of bending of a profile, for example an angle, by the thinning or upsetting of the flange edge can also be accomplished by forcing through a die with

Card 2/3 suitable inserts. Such an insert is shown in Fig 5 and

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Analysis of the Process of Bending, with Simultaneous Bevelling, of Extruded Profiles by Forcing Through a Die

a brief analysis is given to determine the forcing load in this type of die from the basic geometry of the profile deformation.
There are 6 figures, 1 table and 6 Soviet references.

SUBMITTED: October 22, 1959

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