

S/078/61/006/003/013/022
B121/B208

AUTHORS: Pshenitsyn, N. K., (Deceased), Yezerskaya, N. A.
TITLE: Synthesis and polarographic investigation of complex ruthenium chlorides

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 6, no. 3, 1961, 613-620

TEXT: The complex ruthenium chloride is reduced at a potential, at which other platinum elements are not reduced; this fact is used for a new polarographic method of determining ruthenium. The polarographic curves were recorded by an ЛП-55 (LP-55) polarograph and a galvanometer with a sensitivity of $3.52 \cdot 10^{-3}$ $\mu\text{A}/\text{mm}$. A platinum wire and a saturated calomel electrode were used as electrodes. The reaction of $\text{K}_4\text{Ru}_2\text{OCl}_{10}$ and $\text{K}_2\text{Ru}(\text{H}_2\text{O})\text{Cl}_5$ with hydrogen peroxide at different HCl-concentrations was studied and a simple method of synthesizing K_2RuCl_6 devised. Compound $\text{K}_4\text{Ru}_2\text{OCl}_{10}$ was found to be reduced to $\text{K}_2\text{Ru}(\text{H}_2\text{O})\text{Cl}_5$ in 1 N HCl. When in-

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creasing the HCl concentration to 2 N, also the complex K_2RuCl_6 is formed in addition to $K_2Ru(H_2O)Cl_5$. In the range from 2 to 2.2 N HCl the formation of K_2RuCl_6 reaches a maximum. A further increase of the acidity of the solution lowers the reducing power of hydrogen peroxide. The properties of K_2RuCl_6 were studied; this compound was found to be monomeric, and the ruthenium in it is tetravalent. The stability of K_2RuCl_6 solutions was studied with respect to hydrolysis on heating and storage. When solutions of K_2RuCl_6 in 6 N HCl were stored for some time, ruthenium was partly reduced. This reduction is stronger in dilute ruthenium solutions (10^{-5} mole/l). The resistance of K_2RuCl_6 to reduction increases in the presence of sodium chloride. With increasing temperature, K_2RuCl_6 solutions are partly decomposed to give $K_2Ru(H_2O)Cl_5$ under simultaneous reduction. Continuous evaporation and boiling of K_2RuCl_6 in 2 N HCl gives

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$K_4Ru_2OCl_6$. It is assumed that K_2RuCl_6 first hydrolyzes with subsequent formation of the binuclear compound $K_4[Cl_5Ru-O-RuCl_5]$. The reversibility of the reduction of $[RuCl_6]^{2-}$ was studied. The polarographic wave $(Ru^{IV}Cl_6)^{2-}$ on the platinum electrode may be used for a quantitative determination of ruthenium. The potentials of the half-waves $(Ru^{IV}Cl_6)^{2-}$ and $[Ru^{III}(H_2O)Cl_5]^{2-}$ indicate the reversibility of the redox reaction on the electrode and may be used for a quantitative determination of ruthenium. There are 9 figures, 5 tables, and 8 references: 5 Soviet-bloc and 3 non-Soviet-bloc. ✓

SUBMITTED: March 3, 1960

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PSHENITSYN, N.K. [deceased]; YEZERSKAYA, N.A.

Polarographic and amperometric determination of ruthenium. Zhur.
anal.khim. 16 no.2:196-200 Mr-Apr '61. (MIRA 14:5)

1. Institut obshchey i neorganicheskoy khimii imeni N. S. Kurnakova
AN SSSR, Moskva.

(Ruthenium Analysis)

YEZERSNAYA, N.A.; FILIMONOVA, V.N.

Compounds formed by rhodium with ethylenediaminoacetic acid,
Zhur.neorg.khim. 8 no.4:830-838 Ap '63. (MIRA 16:3)
(Rhodium compounds) (Acetic acid)

S/137/63/000/001/019/019
A006/A101

AUTHORS: Pshenitsyn, N. K., Yezerskaya, N. A.

TITLE: Polarographical determination of ruthenium on a platinum electrode

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1963, 15 - 16, abstract 1K87 (In collection: "Teoriya i praktika polyarogr. analiza", Kishinev, "Shtiintsa", 1962, 145 - 150)

TEXT: It was established that on a 2 n. HCl background in the presence of NaCl hydroxopentachloride of $Ru^{4+}-K_2[RuOCl_5]$ (brown salt) is reduced on a stationary Pt-electrode, by forming a wave from 0.5 to 0.3 v (normal calomel electrode). The Ru-wave flows together with the O_2 -wave; therefore O_2 must be preliminarily expelled and the operation should be conducted in a hermetic cell. Recommendations are given as to the determination of 5 to 500 $\gamma Ru/ml$ in the presence of other Pt-metals. A simple and rapid method was found to obtain a single-nucleus complex chloride of $Ru^{4+}-K_2RuCl_6$ (black salt) reducing on the Pt-electrode to aquopentachloride of Ru. Polarograms of $10^{-3} - 10^{-4}$ M of K_2RuCl_6 solutions on a HCl background (1:1) in the presence of NaCl do not change during

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Polarographical determination of...

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the day. The least Ru amount determinable on a rotating electrode is 0.8 - 1.0 γ /ml. The presence of other Pt-metals besides Ir, does not impair the determination. The possibility is shown of an amperometrical titrating of K_2RuCl_6 with hydroquinone (or ascorbic acid) at room temperature. The amperometric method is simpler than the polarographic one and makes it possible to determine 0.02 - 2 mg Ru in 10 ml; the results can be well reproduced. There are 10 references.

N. Gertseva

[Abstracter's note: Complete translation]

Card 2/2

KLABUNOVSKIY, Ye.I.; ANTIK, L.V.; YEZERSEAYA, N.A.

Polarographic determination of 9,10-dihydroanthrylene-1',4'-
naphthoquinone. Izv. AN SSSR.Otd.khim.nauk no.10:1877-1880 0 '62.

(MIRA 15:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR i
Institut obshchey i neorganicheskoy khimii im. N.S.Kurnakova
AN SSSR.

(Naphthoquinone)

(Polarography)

YEZERSKAYA, N.A.; FILIMONOVA, V.N.

Polarographic determinatin of rhodium as a complexon. - *Zhur. anal. khim.*
17 no.8:972-978 N '62. (MIRA 15:12)

1. N.S. Kurnakov Institut of General and Inorganic Chemistry, Academy
of Sciences, U.S.S.R., Moscow.
(Rhodium--Analysis) (Polarography) (Complexions)

YEZERSKAYA, N. A.

"New Methods of Polarographic and Amperometric Determination of Ruthenium in the Form of Sodium Hexachlororuthenate"

paper submitted to the Fifth Conference on the Analysis of Nobel Metals, Novosibirsk, 20-23 September 1960

So: Zhurnal analiticheskoy khimii, Vol XVI, No. 1, 1961, page 119

KLABUNOVSKIY, Ye.I.; YEZERSKAYA, N.A.

Polarographic reduction of 2-ethylanthraquinone in dimethylformamide.
Zhur.anal.khim. 18 no.8:989-993 Ag '63. (MIRA 16:12)

1. N.D.Zelinsky Institute of Organic Chemistry and N.S.Kurnakov
Institute of General and Inorganic Chemistry, Academy of Sciences,
U.S.S.R., Moscow.

GINZBURG, Susanna Il'inichna; GLADYSHEVSKAYA, Klavdiya Antonovna;
YEZERSKAYA, Natal'ya Anatol'yevna; IVONINA, Ol'ga
Mikhaylovna; PROKOF'YEVA, Irina Vasil'yevna; FEDORENKO,
Nina Vladimirovna; FEDOROVA, Aleksandra Nikolayevna;
ZVYAGINTSEV, O.Ye., doktor khim. nauk, otv. red.;
VOLYNETS, M.P., red.

[Manual on the chemical analysis of platinum metals and
gold] Rukovodstvo po khimicheskomu analizu platinovykh me-
tallov i zolota. Moskva, Nauka, 1965. 312 p.
(MIRA 18:2)

YEZERSKAYA, N.A.; FILIPONOVA, V.N.; SEMOVICH, T.P.

Polledium ethylenediaminetetracetat. Zhurnal khim. 10
no. 12: 2657-2663 D '65. (MIRA 1961)

1. Institut o'zkohey i neorganicheskoy khimii imeni Kurnikova
AN SSSR.

YEZERSKAYA, V. A.

PLATE 1 BOOK EXPOSITION

807/300

Abstracts and notes. Continuity to final phase

Direktory, 1979. 1 (series of the Commission on the Physics of Planets, No. 1)
 Directory, 1979. 108 p. 1,000 copies printed.

Editorial Board: P. P. Barabzov, Academician of the Academy of Sciences of the USSR (Chairman); V. A. Yezerskaya, Candidate of Physics and Mathematics (Secretary); A. V. Kuvshinov, Professor; Yu. B. Izrael, Candidate of Physics and Mathematics; and A. G. Chudakov, Candidate of Physics and Mathematics; B. I. Dol. Voprosy: Voprosy. No. 1. A. G. Chudakov.

NOTE: This publication is intended for astrophysicists and astronomers.

CONTENTS: This collection of articles summarizes the first years of a new journal on problems in planetary physics. The first six articles discuss the surface features, polarities, and spectra of the Moon. The remaining articles deal with the physics of Mercury, Venus, and the asteroids. So personalities are mentioned. References accompany individual articles.

Barabzov, P. P. Spectrophotometry of Lunar Formations

39

Barabzov, P. P., K. A. Yezerskaya, and V. A. Yezerskaya. The Problem of the Polarization Uniformity of the Moon's Surface

61

Yezerskaya, V. A. Probable Dimensions of the Roughness of the Moon's Surface

81

Torgov, I. K. The Degree of Smoothness of the Martian Continents and Seas

85

Yezerskaya, V. A. Intensity Distribution on Jupiter's Disk in the Bands of Infrared Absorption

93

Yezerskaya, V. A. Thermal History of Asteroids

103

AVANTAGE: Library of Congress

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24/000/000
 10-10-80

YEZERSKAYA, V.A.; YEZERSKIY, V.I.

Comparing catalogs of the reflecting power of the moon's surface.
Astron.tsir. no.205:10-11 0 '59. (MIRA 13:6)

1. Khar'kovskaya astronomicheskaya observatoriya.
(Moon--Surface)

38823

S/035/62/000/006/041/064
AOC1/A101

3.2500

AUTHORS: Yezerskaya, V. A., Yezerskiy, V. I.

TITLE: On brightness distribution over the lunar disk

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 6, 1962, 64,
abstract 6A484 ("Izv. Komis. po fiz. planet", 1961, no. 3, 68 - 73)

TEXT: A photometric investigation of brightness distribution over the lunar disk has shown that brightness along planetocentric meridians remains constant, within the limits of errors, whereas along the intensity equator brightness rises continuously from the disk center to the limb. On the basis of these data the following functional equation was obtained for the function expressing brightness:

$$B = f \left(\frac{\cos i}{\cos \xi}, \alpha \right).$$

There are 15 references.

Authors' summary

[Abstracter's note: Complete translation]

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35246

S/035/62/000/002/019/052

A001/A101

3.1520 (1114, 1057)

AUTHORS: Yezerskaya, V. A., Yeremenko, N. F.

TITLE: Spectrophotometry of Mars near the opposition of 1956

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 2, 1962, 55, abstract 2A467 ("Tsirkulyar Astron. observ. Khar'kovsk. un-t", no. 19, 27-28)

TEXT: Spectrograms were obtained on September 4 and 27, 1956, by means of a 12" objective prism on a Mertz refractor (D = 110, F = 550 mm, dispersion 340 A/mm at H_{γ}). Plates FP-4 were used. The α Aql was selected as a comparison star. Recording diagrams ("registrogram") of the spectra were obtained on a MF-4 (MF-4) microphotometer. The table gives the values of $\lg I_{\text{Mars}}/I_{\text{Aql}}$ for 382 - 588 m μ , corrected for atmospheric attenuation. The graph shows relative distribution of intensity in the Martian spectrum. The color index, calculated from observations on September 4, is equal to +1.43 and from observations on September 27, +1.66. X

[Abstracter's note: Complete translation]

I. Lebedeva

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L 19328-63

EWI(1)/FCC(W)/BDS/ES(v) AFFTC/ESD-3 Pe-4/Po-4 GW

ACCESSION NR: AR3002047

S/0269/63/000/005/0060/0060

SOURCE: RZh. Astronomiya. Otdel'nyy vypusk. Abs. 5.51.495

AUTHOR: Barabashov, N. P.; Yezeraskaya, V. A.; Yezeraskiy, V. I.

TITLE: The photometric method of studying the relief of the lunar surface

CITED SOURCE: Uchenyye zapiski Khar'kovskogo universiteta, v. 122, 1962, Trudy Astronomicheskoy observatorii, v. 14, 107-110

TOPIC TAGS: astronomical photometry, lunar microrelief

TRANSLATION: The authors refine the photometric method for determining the steepness of slopes and elevations in the lunar seas (first proposed by van I. Diggelen, Bull. Astron. Inst. Netherl., 1951, 11, No. 423). They explain that this method supplies direct data on slopes provided the photographic strips are taken sufficiently close to the equator of intensity and in directions parallel to it. In such measurements it is generally useful to employ large-scale lunar photographs with a resolution of $< 1''$. The authors made measurements of moon photography obtained at a phase angle of $77^{\circ}.5$, with an image diameter of 59 mm. Photometric strips along the Arzachel and Archimedes craters, obtained on the MF-4 automatic

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microphotometer are shown in the illustrations. In the Arzachel crater ($\varphi = -12^{\circ}.3$), inclinations of the western and eastern slopes are $6^{\circ}.8$ and $13^{\circ}.5$. In the case of Archimedes ($\varphi = +34^{\circ}.6$), they are $4^{\circ}.2$ and $2^{\circ}.1$. A comparison of photometric measurements with the results obtained by the shadow method will give a clue to the feasibility of studying microrelief in various parts of a crater -- a matter of considerable interest. I. Lebedeva

DATE ACQ: 30May63

SUB CODE: AI

ENCL: 00

Card 2/2

YEZEPSKAYA, V.A.; KRISENKO, L.I.; CHIRKOVA, R.M.

Changes in the intensity of chromospheric flocculi during
the development of active areas on the sun. TSir. Astron.
obser. Khar. un. no.26:20-34 '63. (MIRA 17:5)

L 07362-67 FSE-2/EWT(1) LJP(a) JGS/GW

ACC NR: AP6033169

SOURCE CODE: UR/0033/66/043/005/1039/1046

AUTHOR: Barabashov, N. P.; Belobrova, O. I.; Yezerkiy, V. I.; Yezerkaya, V. A.

ORG: Kharkov Astronomical Observatory (Khar'kovskaya astronomicheskaya observatoriya)

TITLE: Photometry of the marginal zone of the Moon ✓

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B

SOURCE: Astronomicheskii zhurnal, v. 43, no. 5, 1966, 1039-1046

TOPIC TAGS: moon, photometry, lunar albedo, lunar landing, lunar surface, lunar optic property

ABSTRACT: Photometric characteristics of the eastern and western marginal zones of the lunar surface were studied by comparison with data for the photometric mean lunar surface. Analysis of published data as well as of original photometric measurements of regions in the eastern and western marginal zones showed the relative brightness of the eastern zone to be generally greater, and that of the western zone to be less than the photometric mean for the lunar surface. This indicates differences in the microrrelief structures of the marginal zones--denser material in the outer layer of the eastern marginal zone (including the landing site of the Luna-9 station, $\beta = +7^{\circ}.08$, $\lambda = -64^{\circ}.22$) than in the western marginal zone. Heat anomalies of the lunar surface (e.g., less rapid heating of the eastern than of the western zone after the full phase; craters, warmer than surrounding regions, observed at the time of a lunar eclipse),

UDC: 523.323

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ACC NR: AP6033169

correlated with its photometric characteristics, are cited to support the possibility of the presence of rock formations in addition to porous material. The lesser intensity of the meteor stream near the eastern zone of the Moon caused by the Earth's gravitational field is mentioned as a possible explanation for the observed photometric and structural characteristics. Orig. art. has: 6 figures, 4 tables, and 2 equations.

SUB CODE: 03/ SUM DATE: 26Apr66/ ORIG REF: 016/ OTH REF: 008 /
ATD PRESS: 5101

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ACC NR: AR6035553

SOURCE CODE: UR/0269/66/000/010/0065/0066

AUTHOR: Barabashov, N. P. ; Yezeraskaya, V. A. ; Yezeraskiy, V. I.

TITLE: Photographic photometry of some parts of the Sea of Clouds and Sea of Cognition

SOURCE: Ref. zh. Astronomiya, Abs. 10.51.481

REF SOURCE: Vestn. Khar'kovsk. un-ta, 1965, no. 8, ser. astron., vyp. 2, 12-25

TOPIC TAGS: moon, lunar topography, lunar surface, lunar crater, lunar photometry, lunar photography, photometry/Sea of Clouds, Sea of Cognition

ABSTRACT: The following characteristics are obtained for 31 sectors in the region of the Sea of Clouds and the Sea of Cognition: brightness $B_{obs} - B_m$, where B_m is the brightness of the photometrically averaged lunar surface at corresponding values of the phase angle and selenocentric longitude, reduced (like B_{obs}) to a unit value at $\alpha = 1^\circ.5$; average values of relative declination $\overline{\Delta\delta}/B_m$ and corresponding values of the mean quadratic deviation σ ; values of the relative brightness gradient near zero phase Δ , etc. An analysis of the data obtained

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UDC: 523.34

ACC NR: AR6035553

shows that the relationship between $\overline{\Delta B}/B_m$ and Δ_c is in good agreement with the theoretical relationship between these parameters, computed from B. Hapke's formula. The measured areas are basically situated in the region of negative $\overline{\Delta B}/B_m$ values and positive Δ_c values, which corresponds to a somewhat greater degree of irregularity (pitting), and, in accordance with Hapke's theory, corresponds to a somewhat smaller value of the compaction factor as compared with the photometrically obtained average of the lunar surface. It is of interest to note that some of the measured sectors of the Sea of Cognition are available on photographs obtained from close range by Ranger VII. As these photos show, these sectors differ from each other in their distribution of small craters. On the other hand, they do not indicate large deviations according to the law of light reflection. This makes it possible to assume that the observed deviations in the law of reflection of light cannot depend substantially on the presence of such craters and the structural characteristics related to them. A bibliography of 8 titles is included. V. Avramchuk. [Translation of abstract] [SP]

SUB CODE: 03/

Card 2/2

Зашита, 6. 7.

"Chloropierin as Soil Disinfectant in Hot Frames," Zashchita Rastenii,
no. 12, 1937, pp. 113-120. 421 P942.

63
Sot. Sira 3190-45, 15 Dec. 1953

YERUSHALAY, Y. I.

"Effectiveness of Disinfecting Soil in Potatoes with Chloroxylin,"
Nauchnye Zapiski po Zashchite Rastenii, vol. 1, no. 3, 1940, pp. 86-101.
451-K522.

53

So: Sira 8190-~~49~~, 15 Dec. 1953

YEZERSKIY, A. (g. Odessa)

Urgent problems in training shoemakers. Prof.-tekhn. obr. 12 no.12;
28 D '55. (MLRA 9:3)

1. Zaveduyushchiy uchebno-proizvodstvennoy chast'yu shkoly FZU
pri 2-y Gosudarstvennoy obuvnoy fabrike.
(Shoemakers--Education and training)

PETROV, G., doktor tekhnicheskikh nauk; PEVZNER, L., kandidat tekhnicheskikh nauk; DORONENKOV, I., inzhener; YEZERSKIY, A., inzhener.

Facing slabs made of phenolite. Stroimaterialy, izdelani konstruktsiya 2
no.5:33-34 My '56. (MLBA 9:8)
(Floors) (Walls)

YEZERSKIY M.

ZELEZNYAK, I., inzh.; YEZERSKIY, A., inzh.; OBLOV, V., inzh.

Plastic facing tiles. Gor. 1 sel'. stroi. no.11:18-19 H '57.
(Tile construction) (Plastics) (MIRA 11:1)

YEZERSKIY, A.
DORONENKOV, I.; TREBUKOV, P.; YEZERSKIY, A.

Introducing plastic materials in construction. Stroil. mat. 4
no.1:18-21 Ja '58. (MIRA 11:2)

1. Direktor TSentral'noy nauchno-issledovatel'skoy laboratorii stroy-
materialov khimicheskoy promyshlennosti (for Doronenkov). 2. Glavnyy
inzhener TSentral'noy nauchno-issledovatel'skoy laboratorii stroy-
materialov khimicheskoy promyshlennosti (for Trebukov). 3. Zaveduyushchiy
TSentral'noy nauchno-issledovatel'skoy laboratoriyey stroymaterialov
khimicheskoy promyshlennosti (for Yezerskiy).
(Plastics)

<p>YEZERSKIY, A.N.</p> <p>23</p>	
<p>Waterproof paper. A. N. Yezerkiy, M. I. Him-Bada, N. G. Gartshtein and M. O. Tyvin. Russ. 54,973. May 31, 1959. Paper is impregnated with a mass contg. alkyl resins and Al powder.</p>	
<p>ASS-5LA METALLURGICAL LITERATURE CLASSIFICATION</p>	
<p>SEARCH SYMBOLS</p>	<p>SEARCHED BY ONLY ONE</p>
<p>SEARCHED BY ONLY ONE</p>	<p>SEARCHED BY ONLY ONE</p>

YEZERSKIY, Anatoliy Natanovich, inzhener; TAGANLIK, Vladimir Il'ich, inzhener; UDOD, V.Ya., redaktor; STOLIYAROV, N.T., inzhener, nauchnyy redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor.

[Production and use of building materials made from reeds] Proizvodstvo i primeneniye stroitel'nykh materialov iz kamysha. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1954. 68 p. [Microfilm]
(Building materials) (Bush work) (MIRA 8:2)

YEZERSKIY, A.N., inzh.; TREBUKOV, P.D.; POSPELOVA, G.L., red.; KOLOMSTER,
V.Z., tekhn.red.

[Polystyrene facing tiles] Oblitsovochnye plitki iz polistirola.
Moskva, Akad.stroitel'stva i arkhitekt. SSSR, 1959. 26 p.
(MIRA 13:6)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya stroy-
materialov khimicheskoy promyshlennosti (TsNIIKhimstroy) (for
Yezerskiy, Trebukov).
(Plastics) (Tiles)

YEZERSKIY, A.N., inzh.; TREBUKOV, P.D.; POSPELOVA, G.L., red.;
KOLOMEYER, V.Z., tekhn.red.

[Polystyrene facing tiles] Oblitsovochnye p'itki iz polistirola.
Moskva, TSentr.biuro tekhn.informatsii bumazhnoi i derevoobra-
batyvaishchei promyshl., 1960. 30 p. (MIRA 14:1)
(Tiles)

MAIYSHEV, Georgiy Andreyevich; YEZERSKIY, Anatoliy Natanovich; CHERKINSKIY,
Yu.S., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Using plastics in repairing motor vehicle bodies] Priimenenie plast-
mass pri remonte kuzovov avtomobilei. Moskva, Nauchno-tekhn. izi-vo
M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1960. 110 p.
(MIRA 14:10)

(Motor vehicles--Maintenance and repair) (Plastics)

YEZERSKIY, A.N.

Anticorrosion building-materials made with polymers. Stroimatz.
6 no.5:16-17 My '60. (MIRA 13:7)

1. Zaveduyushchiy Tsentral'noy nauchno-issledovatel'skoy laboratoriyey stroymaterialov khimicheskoy promyshlennosti.
(Corrosion and anticorrosives)
(Polymers)

S/652/62/000/000/018/020
B101/B186

AUTHOR: Yezerakiy, A. N.

TITLE: Flame-spraying of plastics

SOURCE: *Primeneniye polimerov v antikorroziionnoy tekhnike*. Ed. by I. Ya. Klinov and P. G. Udyma. Moscow, Mashgiz, 1962. Vses. sovet nauchno-tekhn. obshchestv. 241-242

TEXT: A large-scale production of coatings by flame-spraying of plastics such as polyethylene, polypropylene, polyvinyl butyral, is impeded by the fact that powdered plastics are expensive and in short supply; furthermore their physicommechanical properties deteriorate when they are heated to 200-220°C. Therefore, the TsNILKhimstroy developed a procedure for producing a noncaking powder from natural bitumen modified by polymer additions and having a melting point of 110-125°C as determined according to K(K) and U(Sh). To increase the strength of coatings made of this material, BB(VV) glass mats or glass fiber chip are used as reinforcements. The surface of the base layer reaches a temperature of only 60-70°C, so wood and concrete also can be coated. A layer 1-2 mm thick is applied

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Flame-spraying of plastics

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with the sprayer in one run. Tests made by the TsNILKhimstroy, in part together with the Nauchno-issledovatel'skiy institut stroitel'stva puti (Scientific Research Institute of Rail Track Construction), gave the following data for modified bitumen coatings: weight by volume

1.1-1.25 g/cm³; impermeable to water at 8 atm pressure; stable to 30 cycles of freezing at -15°C and thawing; softening point > 100°C; no splintering occurs when a 100 g metal ball is dropped from 2 m height; 1 m² of coatings 2-2.5 mm thick costs 30-35 kopecks. ✓

Card 2/2

MALYSHEV, G.A.; YEZERSKIY, A.N.; ZVIRBLYANSKIY, Ya.I., inzh.,
retsenzent; CHEKURINSKIY, Yu.S., kand. tekhn. nauk, red.;
VASIL'YEVA, I.A., red. izd-va; SOKOLOVA, T.F., tekhn. red.

[Fundamentals of the design and manufacture of plastic parts
in the automobile industry] Osnovy proektirovaniya i proiz-
vodstva detalei iz plastmass v avtomobilestroenii. Moskva,
Mashgiz. 1963. 231 p. (MIRA 16:9)
(Automobile industry) (Plastics)

MAIYSHEV, G.A.; YIZERSKIY, A.N.

Anticorrosive and decorative coating of pipes with plastics.
Plast. massy no.2:71-72 '64. (MIRA 17:8)

YEZERSKIY, A.P., tekhnik.

Mechanical closing of the hatches of open freight cars. Energetik 1 no.2:
10-11 J1 '53. (MLRA 6:8)

(Railroads--Freight-cars)

YEZERSKIY, B. B.

Experimental manufacture of alloy rolls at the Comintern plant. V. S. Krasovitskiy, B. B. Yezerskiy and S. M. Vilyunskiy. *Teoriya i Prakt. Met.* No. 4, 1937 (1937). Cr-Ni rolls of the following compn. were made: C 3.15, Si 0.9-1.0, Mn 0.9-1.2, P 0.15-0.25, S 0.05-0.07, Cr 0.9-1.0, Ni 3.6-4.0 and Mn 0.30-0.40%. In micro structure and hardness the rolls were analogous to the "United" rolls made in the U. S. B. Z. Kamich

ASS-55A METALLURGICAL LITERATURE CLASSIFICATION

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YEZERSKIY, B.B.

133-7-25/28

AUTHOR: Krivosheyev, A.Ye., Doctor of Technical Sciences, Professor and Yezerskiy, B.B., Engineer.

TITLE: The Production of Rolls with Cast Roll Passes (Proizvodstvo valkov s litymi kalibrami)

PERIODICAL: Stal', 1957, no.7, pp. 663 - 665 (USSR).

ABSTRACT: The production of cast iron rolls with roll passes is stated to be an established practice in the USSR. Superiority of cast roll passes and the method of casting such rolls into chill moulds as well as the method of casting chill moulds is outlined and illustrated in Figs. 2 and 3. Low alloy and not alloyed cast iron is used (chemical composition is given). There are 3 figures and 3 Slavic references.

ASSOCIATION: Dnepropetrovsk Metallurgical Institute and Dnepropetrovsk Cast Iron Rolls Manufacturing Works (Dnepropetrovskiy Metallurgicheskiy Institut i Dnepropetrovskiy Chugunoval'tsedelatel'nyy Zavod)

AVAILABLE: Library of Congress.

Card 1/1

Yezerskiy, F.
YEZERSKIY, F., polkovnik

Practice in stream crossing; on thin ice. Voen.-inzh.shur.96
no.12:20-23 D '52. (MIRA 10:12)
(Stream crossing, Military)

YEZERSKIY, F.; LEBEDEV, P.I., redaktor; LUKIN, F.I., tekhnicheskiy
redaktor

[Bridge and highway engineering; manual for study groups of the
All-Union Voluntary Association for Cooperation with the Army,
Air Force, and Navy] Dorozhno-mostovoe delo; posobie dlia
uchebnykh grupp Dosaaf. Moskva, Izd-vo Dosaaf, 1953. 182 p.
[Microfilm] (MLRA 7:10)

(Military roads)

(Military bridges)

YEZERSKIY, F.

"Antiaircraft defence." I.Savitskii, P.Kirillov. Reveiwed by
F. Yezerskii. Voen.snan. 29 no.6:22 Je '53. (MERA 7:11)
(air defenses) (Savitskii, I.) (Kirillov, P.)

KOMAGOROV, V.A., podpolkovnik; YEZERSKIY, F.S., polkovnik v zapase, redaktor;
KUZ'MIN, I.F., tekhnicheskij redaktor.

[The simplest military bridges] Prosteishie voennye mosty. Moskva,
Voen.izd-vo Ministerstva oborony Soinza SSR, 1955. 78 p. (MIRA 8:4)
(Military bridges)

YEZERSKIY, F.S.

~~YEZERSKIY, F.S.~~

The hundredth anniversary of the "Military engineering journal."
Avt. dor. 20 no.4:32 Ap '57. (MLRA 10:6)
(Military engineering--Periodicals)

YEZERSKIY, F.S., kapitan med. sluzhby

Treating acute otitis by injections of penicillin and blood. Voen.
med. zhur. no.3:80 Mr '58. (MIRA 12:7)
(EAR--DISEASES) (PENICILLIN)

KARASIN, Z.B.; YEZERSKIY, G.Ye., red.; ZAVTSEVA, T.M., red.; KOGAN, V.V.,
tekhnr.red.

[Summer footwear manufactured from new materials; "Zaria svobody"
shoe factory] Letniaya obuv' iz novykh materialov; obuvnaya
fabrika "Zaria svobody". Moskva, Gos.nauchno-tekhn.izd-vo M-va
legkoi promyshl. SSSR, 1957. 25 p. (MIRA 12:11)

1. Russia (1923- U.S.S.R.) Ministerstvo legkoy promyshlennosti.
Tekhnicheskoye upravleniye. Byuro tekhnicheskoy informatsii.
(Moscow--Shoe manufacture) (Synthetic fabrics)

VOROB'YEVA, A.A.; YEZERSKIY, G.Ye .; KARASIN, Z.B.; KEDROV, L.B.; LEYTES,
L.G.

New fabrics used for warm shoe uppers. Leg. prom. 18 no.3:9-10 Mr
'58. (MIRA 11:4)
(Shoe manufacture)

YEZERSKIY, G.Ye.

Footwear without lining. Kozh.-obuv.prom. 4 no.9:5-8
S 162. (MIRA 15:9)

1. Glavnyy inzhener Doma modeley obuvi Moskovskogo
grodskogo soveta narodnogo khozyaystva.
(Shoe manufacture)

YEZERSKIY, G.Ye.; MALKIYEL', B.Z.

The best styles of shoes for children of all ages. Kozh.obuv.
prom. 4 no.11:14-19 N '62. (MIRA 15:11) -

1. Glavnyy inzh. Moskovskogo Doma modelay obuvi (for Yezerskiy).
2. Otvetstvennyy redaktor sbornika "Modeli obuvi" (for Malkiyel').
(Moscow—Shoe manufacture)

L 36165-66 EWP(k)/EWP(h)/EWT(d)/EWT(m)/EWP(1)/EWP(v)/EWP(t)/ETI IJP(c) JD/HW
ACC NR: AP6021766 SOURCE CODE: UR/0413/66/000/012/0020/0021

INVENTOR: Yezerskiy, E. I.; Korovkin, D. B.; Karsanov, G. V.; Sigalov, Yu. M.; Fedorov, V. A.; Sautin, V. I. 40
B

ORG: none

TITLE: A press for heating and extrusion of metals and alloys in vacuum or a neutral medium. Class 7, No. 182665 10

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 12, 1966, 20-21

TOPIC TAGS: metal extrusion, hot extrusion, vacuum extrusion, extrusion press, METAL PRESS, VACUUM CHAMBER

ABSTRACT: This Author Certificate introduces a press for heating and extrusion of metals and alloys in vacuum or a neutral medium. The press consists of a vacuum-tight working chamber containing a heating unit, mechanism for feeding ingots, and a container with a die and a dummy block. To improve the efficiency, the press is equipped with compartments for dies, dummy blocks and ingots, with mechanisms for mounting dies and dummy blocks into the container, and with a water-cooled receiving bunker with air lock, all located within the working chamber. The vacuum-tight working chamber is formed by the walls of the press. Orig. art. has: 1 figure. [RS]

SUB CODE: 13/ SUBM DATE: 29Feb64/ ATD PRESS: 5040

UDC: 621.779:621.777.06-229.6

Card 1/1 AS

ACC NR: AP7005593

(A)

SOURCE CODE: UR/0413/67/000/002/0006/0007

INVENTOR: Mal'tsev, M. V.; Yezerkiy, K. I.; Karsanov, G. V.; Sigalov, Yu. M.; Titkov, V. I.; Sokolov, V. M.; Bubnovskiy, B. G.; Novikov, O. K.; Dmitriyev, B. M.; Shmakov, Yu. V.; Loktionov, G. I.

ORG: none

TITLE: Vacuum rolling mill. Class 7, No. 190306

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 6-7

TOPIC TAGS: rolling mill, vacuum rolling ~~mill~~, continuous rolling ~~mill~~

ABSTRACT: This Author Certificate introduces a mill for continuous rolling in vacuum, consisting of a charge chamber, a working stand and an unloading chamber. The charge chamber is equipped with a mechanism which has frames with lifting bars located between the rolling rollers. A modified mill is equipped with two-sectional, slotted driven screens located between the heating and the lifting-transporting devices in order to protect the latter from the action of high temperatures. A second

Card 1/2

UTC: 621.771.23

ACC NR: AP7005593

modification of the mill consists of sliding rollgange for transporting workpieces from the charge chamber to the working stand and from the working stand to the unloading chamber, separated by vacuum locks. Orig. art. has; 1 figure. [MS]

SUB CODE: 13/ SUBM DATE: 09 Aug 63/ ATD PRESS: 5117

Card 2/2

YEZERSKIY, L.; KOLCHANOV, P., redaktor; SHITIKOVA, Ye., redaktor; LEBEDEV, A.,
~~tehnicheskii~~ redaktor

[Issuing credit on the basis of documents for goods in transit]
Kreditovanie postavchchikov pod raschetnye dokumenty v puti. Mo-
skva, Gosfinizdat, 1955. 46 p. (MIRA 9:3)
(Credit)

YEZERSKIY, L.

Payments for petroleum products. Den. i kred. 20 no. 8:33-37 Ag.
'62. (MIRA 15:9)

(Moscow Province—Petroleum—Transportation)
(Moscow Province— Payment)

YEZERSKIY, M.D.; ALEKSANDROV, I.K.; SMIGEL'SKIY, P.K.; KOBALENKO, V.I.;
LUKASHVICH, A.S.; KUZNETSOV, M.I.

Improving postal service. Vest. svyazi 15 no.3:16-18 Mr '55.
(MLRA 8:5)

1. Nachal'nik otдела pochtovoy svyazi Ministerstva svyazi Uzbekskoy SSR (for Yezerakiy). 2. Zamestitel' nachal'nika Severo-Osetinskogo upravleniya svyazi (for Aleksandrov). 3. Nachal'nik Kabardinskogo upravleniya svyazi (for Kovalenko). 4. Nachal'nik strakhovogo otдела Yuzhno-Sakhalinskoy kontory svyazi (for Lukashovich). 5. Zamestitel' nachal'nika Penzenskogo oblastnogo upravleniya svyazi (for Kuznetsov).
(Postal service)

ACC NR: AT6036933

SOURCE CODE: UR/0000/66/000/000/0110/0115

AUTHORS: Demonis, I. M.; Kalliga, G. P.; Mayer, A. A.; Yezerskiy, M. L.; Kozlova, N. I.; Kolesnikov, E. I.

ORG: none

TITLE: Some data on the electroconductivity of zirconium dioxide stabilized with calcium oxide at a temperature range of 600—1000°C

SOURCE: Nauchno-tekhnicheskoye obshchestvo chernoy metallurgii. Moskovskoye pravleniye. Vysokoogneupornyye materialy (Highly refractory materials). Moscow, Izd-vo Metallurgiya, 1966, 110-115

TOPIC TAGS: zirconium compound, calcium oxide, high temperature ceramic material, semiconducting ceramic material / RETU 606-59 zirconium dioxide

ABSTRACT: Electroconductivity of domestic 99.6% pure zirconium dioxide (RETU 606-59) stabilized with CaO (8—17.5%) has been investigated at temperatures from 600 to 1000°C. The sintering and stabilization processes were combined in one firing. The changes in electroconductivity with temperature and with the content of stabilizer are summarized by Figs. 1 and 2. It was established that the highest specific electroconductivity ($2.64\text{--}3.03 \times 10^{-2} \text{ ohm}^{-1}\text{cm}^{-1}$) at 1000°C was exhibited by materials containing 12.5% of CaO, regardless of the type of compound used to introduce the

Card 1/3

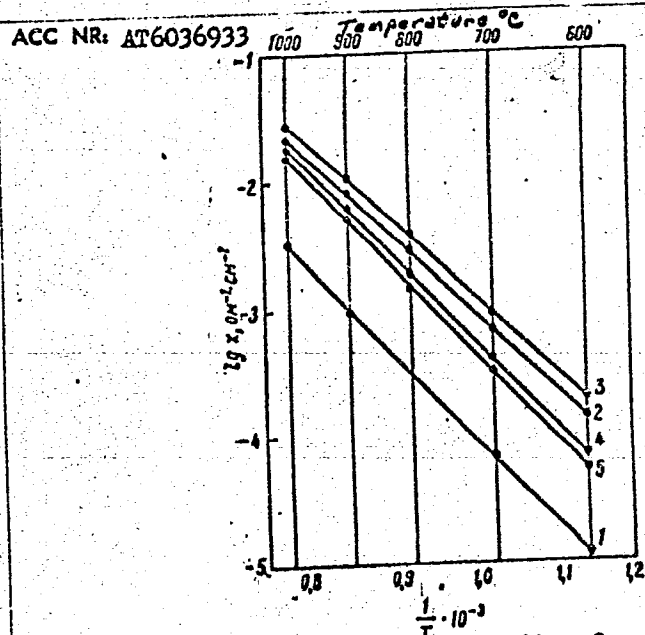


Fig. 1. Specific electroconductivity of samples containing a stabilizer in the form of CaCO_3 , as a function of temperature: 1 - 8 mole % of CaO; 2 - 10%; 3 - 12.5%; 4 - 15%; 5 - 17.5%

Card 2/3

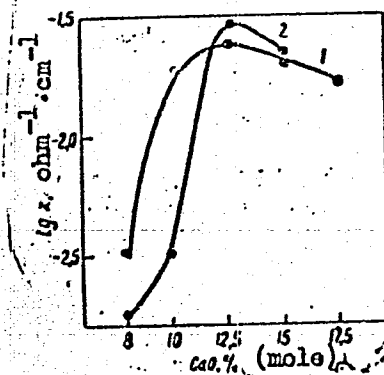


Fig. 2. Electroconductivity as a function of CaO content. Stabilizer in form of CaCO_3 (1) and CaZrO_3 (2)

ACC NR: AT6036933

stabilizer (CaCO_3 or CaZrO_3). In spite of the heterogeneous microstructure and the lower degree of saturation of the solid solution with the stabilizing oxide, the product containing 12.5% mole % of CaO (as CaZrO_3) possesses very high electroconductivity. This may be caused by the greater density of the sintered material. Orig. art. has: 3 figures and 1 table.

SUB CODE: 11/ SUBM DATE: 02Nov65/ ORIG REF: 005/ OTH REF: 006

Card 3/3

ACC NR: AP6032948

SOURCE CODE: UR/0363/66/002/010/1811/1815

AUTHOR: Yozerskiy, M. L.; Kozlova, N. I.; Bagotskiy, V. S.; Kalliga, G. P. (Deceased);
Demonis, I. M.; Rastorguyev, L. N.; Prilepskiy, V. I.

ORG: none

TITLE: Electric conductivity of solid solutions of calcium oxide in zirconium dioxide
at elevated temperatures

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 10, 1966.

TOPIC TAGS: calcium oxide, zirconium compound, electric property, solid solution

ABSTRACT: The electric conductivity χ of ZrO_2 -CaO solid solutions was studied at 600-1000°C as a function of the CaO content and the degree of purity of ZrO_2 and method of its stabilization. In this range, the temperature dependence of χ was found to be expressed by the equation $\chi = A e^{-E/RT}$, where E and A are constants. The curve of the dependence of χ on the CaO content at 1000°C passes through a maximum at 12.5 mole % CaO; this maximum is independent of the purity of ZrO_2 (i. e., of the presence of HfO_2 impurity) and method of its stabilization. As the density of the sintered ZrO_2 -CaO sample rises, its electric conductivity increases. X-ray structural analysis was used to determine the limits of homogeneity of cubic solid solutions; the presence of a superstructure was established in samples with $CaO \geq 15$ mole %. On the basis of

Card 1/2

UDC: 54-165:537.311

ACC NR: AP6032948

the x-ray data, an attempt is made to explain the dependence of χ on the CaO content of the ZrO_2 -CaO solid solutions. Orig. art. has: 4 figures, 2 tables and 1 formula.

SUB CODE: 07/ SUBM DATE: 13Jan66/ ORIG REF: 002/ OTH REF: 008

Card 2/2

SINAYSKIY, M.M.; YEZERSKIY, M.Ye., redaktor; SEMENOVA, M.M., redaktor;
VOLKOVA, Ye., tekhnicheskii redaktor.

[Controllers for alternating current electric motor cranes; manual
on the choice of controllers, their installation and maintenance]
Kontrollery dlia kranovykh elektrodvigatelei peremennogo toka;
rukovodstvo po vyboru kontrollerov, montazhu i ukhodn sa nimi. Moskva,
Gos. izd-vo vodnogo transporta, 1954. 127 p. (MLHA 8:1)
(Electric cranes) (Electric controllers)

YEZERSKIY, M.Z.

LEVANDOVSKIY, Ye.S., inzhener; YEZERSKIY, M.Z., inzhener.

Pressed decorative elements of furniture. Der. i lesokhim. prom. 3
no. 1:9-11 Ja '54. (MLRA 7:2)

1. PKB Ministerstva lesnoy i bumazhnoy promyshlennosti USSR.
(Furniture)

SINAYSKIY, Mikhail Mikhaylovich; YEZERSKIY, M.Ye., red.; LARIONOV, G.Ye.,
tekhn.red.

[Start regulating resistances for electric motors of cranes]
Puskoreguliruiushchie soprotivleniia dlia kranovykh elektro-
dvigatelei. Moskva, Gos.energ.isd-vo, 1960. 19 p. (Kranovoe
elektrooborudovanie, no.5). (MIRA 13:8)
(Cranes, derricks, etc.) (Electric motors--Starting devices)

YEZERSKIY, M.Z.; KIRPENOV, N.K.; DAYENMAN, I.M.

New type of an automatic reversing feeder. Der.prom. 10 no.5:19-
20 My '61. (MIRA 14:5)
(Assembly-line methods) (Furniture industry)

PAVLOVSKIY, A.A.; ARVAN, M.B.; YEZERSKIY, N.V.

New machine for installing tile drainage. Sbor.nauch. trud. Bel.
politekh.inst. no.78:41-51 '60. (MIRA 13:11)
(Drainage--Equipment and supplies)

YEZERSKIY, N.V.

Using hydraulic servo-drives in digging trenches with a given
slope. Sbor.nauch. trud. Bel.politekh.inst. no.78:52-57 '60.
(MIRA 13:11)

(Excavating machinery---Hydraulic drive)

YEZERSKIY, N.V.

Investigation of the conditions of vibrational cutting of grounds.
S~~ov.~~ nauch. trud. Bel. politekh. inst. no.88:107-129 '60.
(MIRA 14:12)

(Earthmoving machinery)

YEZERSKIY, P.

Labor productivity and methods for its computation. Sots.trud
no.2:27-34 P '57. (MLRA 10:5)
(Labor productivity)

YEZERSKIY, P.

Methodology for planning the increase of labor productivity
based on factors involved. Biul. nauch. inform.: trud i zar.
plata 5 no.7:3-11 '62. (MIRA 15:7)
(Labor productivity)

YEZERSKIY, Petr Pavlovich; ZAV'YALOVA, A.N., red.; KARPOVA, L.V.,
tekhn. red.

[Calculating and planning increase in labor productivity
according to the factors involved] Ischislenie i planiro-
vanie rosta proizvoditel'nosti truda po faktoram. Mo-
skva, Ekonomizdat, 1963. 261 p. (MIRA 16:12)
(Labor productivity)

YEZERSKIY, R.F.

Blood index changes following the repeated use of synthomycin;
experimental investigation. Vop.okh.mat.1 det. 4 no.6:43-46
N-D '59. (MIRA 13:4)

1. Iz detskogo otdeleniya (nachal'nik S.I. Pibnik) Dorozhnoy bol'-
nitsy stantsii Khabarovsk I (nachal'nik I.P. Voronin).
(BLOOD) (CHLOROMYCETIN)

YEZERSKIY, R. F. Cand Med Sci -- (diss) "Importance of the Aldolase
Test in Certain Children's Diseases," Leningrad, 1960, 13 pp, 300 copies
(First Leningrad Medical Institute im Acad. I. P. Pavlov) (KL, 47/60, 106)

VEZERSKIY, R.F.

Some glycolytic enzymes in the blood serum of children with
botkin's disease. Vop.okh.mat.i det. 5 no.3:40-43 Vy-Je '60.
(MIRA 13:7)

1. Iz kafedry gosptal'noy pediatrii (zav. - deystvitel'nyy chlen
AMN SSSR, zasluzhennyy deyatel' nauki prof. A.F. Tur) Leningrad-
skogo pediatricheskogo meditsinskogo instituta (dir. - prof.
N.T. Shutova).

(ENZYMES)

(SERUM)

(HEPATITIS, INFECTIOUS)

YEZERSKIY, R.F.

Activity of serum phosphohexocisomerase as a new clinical test. Lab.
delo 6 no.4:15-18 JI-Ag '60. (MIRA 13:12)

1. Kafedra gospi'tal'noy pediatrii (zav. - deystvitel'nyy chlen AMN
SSSR prof. A.F. Tur) Leningradskogo pediatricheskogo meditsinskogo
instituta (dir. - prof. N.T. Shutova).
(ISOMERASES) (MEDICAL TESTS)

YEZERSKIY, R.F.

Diagnosis of epidemic hepatitis in the phase of abatement in children. Sov. med. 24 no. 5:101-104 My '60. (MIRA 13:10)

1. Iz kafedry gosital'noy pediatrii (zav. - deystvitel'nyy chlen AMN SSSR, prof. A.F. Tur) Leningradskogo pediatricheskogo meditsinskogo instituta (dir. - prof. N.T. Shutova).
(HEPATITIS, INFECTIOUS)

YEZERSKIY, R.F.

Diagnostic and prognostic significance of aldolase activity
in epidemic hepatitis in children. *Pediatrics* 38 no.1:52-56
'60. (MIRA 13:10)
(HEPATITIS, EPIDEMIC) (ALDOLASE)

YEZERSKIY, R.F.

Aldolase and its clinical significance. *Pediatrics* 38 no.2:90-96
F '60. (MIRA 13:12)

(ALDOLASE)

YEZERSKIY, R.F.

Diagnostic and prognostic value of aldolase activity in epidemic hepatitis in children. *Pediatrics* 38 no.4:53-56 Apr '60.

(MIRA 16:7)

1. Iz kafedry gosital'noy pediatrii (zav.-deystvitel'nyy chlen AMN SSSR, zasluzhennyy deyatel' nauki, prof. A.F.Tur) Lenin-gradskogo pediatricheskogo meditsinskogo instituta (dir.-prof. N.T.Shutova).

(ALDOLASE) (HEPATITIS, INFECTUOUS)

YEZERSKIY, R.F.

Diagnosis of jaundice in newborn infants and during early months
of life. *Pediatriia* 38 no.10:50-54 0 '60. (MIRA 13:11)

1. Iz kafedry gosital'noy pediatrii (zav. - deyatvital'nyy chlen
Akademii meditsinskikh nauk SSSR zasluzhennyy doktorel' nayki prof.
A.F. Tur) Leningradskogo pediatricheskogo meditsinskogo instituta
(dir. Ye.P. Semenova).
(ERYTHROBLASTOSIS FETAL) (JAUNDICE)

8(2)

AUTHOR:

Yezerskiy, T. E. Engineer

SOV/105-59-10-19/25

TITLE:

On Low-tension Apparatus

PERIODICAL:

Elektrichestvo, 1959, Nr 10, pp 85-86 (USSR)

ABSTRACT:

The meeting of the Komissiya po elektroprivodu i nizkovol'tnoy elektroapparature GNTK Soveta Ministrov SSSR (Commission for Electric Drive and Low-tension Apparatus of the State Scientific-technical Committee of the Council of Ministers of the USSR) held on May 6, 1959 with I. I. Petrov, Doctor of Technical Sciences, presiding, dealt with the development prospects of low-tension engineering for the years 1959-1965. Eight reports were delivered by the following persons: V. S. Tulin, Chief Expert of the Gosplan SSSR (State Planning Committee of the Council of Ministers of the USSR), B. A. Zil'bershteyn, Chief Expert of the Gosplan RSFSR (State Planning Committee of the Council of Ministers of the RSFSR), Professor O. B. Bron, R. S. Kuznetsov, Candidate of Technical Sciences, Docent P. V. Sakharov, A. V. Mozalevskiy, Manager of the "Elektrosila" Plant, A. V. Buyvolov, Manager of the Cheboksary Electromechanical Plant, and V. A. Bulgakov, Chief Engineer of the KhEMZ (Khar'kov Electromechanical Plant).

Card 1/2

On Low-tension Apparatus

SOV/105-59-10-19/25

The meeting was attended by representatives of scientific research, planning, and design organizations as well as representatives of ten electromechanical plants. The production increase and the improved technical standard were acknowledged in the resolution, but at the same time it was pointed out that the demand for such apparatus has insufficiently been covered. The major part of the apparatus is supplied in very small sets, and there is no central design coordination as shown by the disagreement of the various amperages of isolating switches and fuses. The recommendations of the meeting were based on these aspects: increase in the service life and reliability of the apparatus, supply of large complete sets, extension of the nomenclature of the series, and extension of research work. The meeting decided that the Institute at VNIIEM and its Leningrad Branch are to be considered the leading institutes in low-tension engineering. They will be charged with the supervision and coordination of this manufacturing branch. In the meantime, coordination will be carried out by the NII elektropromyshlennosti (Scientific Research Institute of Electrical Industry), or more specifically, by its otdel nizkovol'tnoy apparatury (Section for Low-tension Apparatus).

Card 2/2

PETROV, Mikhail Petrovich; GERASEYEV, Aleksandr Yvdokimovich; KAZACHEIN, Valentin Ivanovich; YEZERSEIY, Vyacheslav Fedorovich; DASHEEVICH, Aleksandr Bronislavovich; YAKOVLEV, D.V., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Detection and elimination of faults in the H8 electric locomotive]
Obnaruzhenie i ustranenie neispravnostei na elektrovoze H8. Moskva,
Gos.transp.zhel-dor.izd-vo, 1959. 170 p. (MIRA 13:2)
(Electric locomotives)

GERASEYEV, A.Ye., mashinist; PETROV, M.P., mashinist; YEZERSKIY, V.F.,
inzh.; KAZACHKIN, V.I., inzh.

Our operational experience with the E8 electric locomotive. Elek.
1 tepl. tiaga 3 no.2:39-41 F '59. (MIRA 12:4)

1. Depo Zlatoust, Yuzhno-Ural'skaya doroga.
(Electric locomotives--Electric equipment)

VIL'DERMAN, A.M., kand. med. nauk; YEVGRAFOVA, Z.A.; YEZERSKIY, V.F.

Data on the technic of tuberculin diagnosis. Probl. tub. no.7;
36-41 '63. (MIRA 18:1)

1. Iz Respublikanskogo tuberkuleznogo sanatoriya "Vornicheny"
(glavnyy vrach K.A. Draganyuk) Ministerstva zdravookhraneniya
Moldavskoy SSR.

L 06139-67 EWT(m) IJP(c)

ACC NR: AP6031170

SOURCE CODE: UR/0361/66/000,002/0003/GJ15

AUTHOR: Nemenov, L. M.; Anisimov, O. K.; Arzumanov, A. A.; Golovanov, G. N.;
Yezerskiy, V. F.; Kravchenko, Ye. T.; Kruglov, V. G.; Laktionov, I. A.; Meshcherov, R.
A.; Meshcherova, I. V.; Popov, Yu. S.; Prokof'ev, S. I.; Rybin, S. N.; Fedorov, N. D.

ORG: Institute of Nuclear Physics, AN KazSSR (Institut yadernoy fiziki AN KazSSR)

TITLE: Putting the Kazakhstan cyclotron into operation

SOURCE: AN KazSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 2, 1966, 3-15

TOPIC TAGS: cyclotron, proton accelerator, Mev accelerator, alpha particle / U1502 cyclotron

ABSTRACT: The U-150-2 cyclotron of the Institute of Nuclear Physics of the Academy of Sciences of the Kazak SSR is described. This cyclotron is designed to accelerate protons, deuterons, alpha particles, and multiply charged ions. Energies of 24 Mev are obtained with deuterons. Alpha particles and protons can be accelerated to 48 Mev and 20 Mev, respectively. Sixfold ionized carbon can be accelerated to 140 Mev. The magnetic field in the cyclotron necessary for 20 Mev deuteron production is 14000 oersteds; this is produced by a current of 800 amp. The necessary variation of the magnetic field with radius is obtained by the use of annular shims. The high frequency generator and its alignment is described. The dependence of beam current at various

Card 1/2

L 06139-67

ACC NR: AP6031170

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final radii is plotted as a function of the potential between the "dees". The authors thank engineers V. A. Borisov, B. L. Vaysman, N. G. Gladenko, senior electronic engineer D. D. Gromov, chiefs of work shifts G. A. Obratsov and V. E. Oshkin, and chief of service A. I. Tkachev for participation in the work of setting aright the various difficulties involved in setting up the cyclotron. Orig. art. has: 11 figures.

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"The Determination of Color Contrasts on the Surface of the Moon by Means
of Photographic Spectrophotometry."

Report presented at the Plenary Meeting of the Committee of Planetary Physics,
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AUTHORS: Fedorets, V.A., Yezerkiy, V.I.

TITLE: Gradient of intensity of the green coronal line from the observations of total solar eclipses of February 25, 1952, and June 30, 1954

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 10, 1961, 56, abstract 10A408 ("Tsirkulyar. Astron. Observ. Khar'kovsk. un-t", 1958, no. 18, 10 - 17)

TEXT: The authors measured photometrically spectrograms of the solar corona taken by the expeditions of the Khar'kov Astronomical Observatory in February 25, 1952, and June 30, 1954. On this basis, they determined intensities of emission line $\lambda 5303$ and continuous spectrum as functions of distance from the center of the solar disk. The ratio of gradients of the emission line and continuous spectrum is practically the same in all cases; it is very close to the value obtained from the observational data of 1936 and 1940. X

V. Ye.

[Abstracter's note: Complete translation]

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