APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

Separated Film Pickling of Binary and Ternary Phosphide Eutectics in Cast Iron

SOV/32-25-6-21/53

visible (the free one with respect to structure, as well as the one in ledeburite, and the one penetrating the ternary phosphide eutectic), while with the second pickling the phosphide of the binary and ternary eutectics becomes visible additionally. A few microstructure pictures of these picklings on cast iron are shown (Fig 2). There are 2 figures and 1 table.

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

Card 2/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

18 (7)

AUTHORS: Zaytseva, L. P., Simasheva, N. P. SOV/32-25-6-21/53

TITLE: Separated Film Pickling of Binary and Ternary Phosphide Eutectics in Cast Iron (Razdel'noye plenochnoye travleniye dvoynoy i troynoy fosfidnykh evtektik v chugunakh)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 6, pp 705-707 (USSR)

ABSTRACT: To work out a method of differentiating visualization of binary and ternary phosphide eutectics, chemical and electrolytic picklings were carried out on the systems Fe - P, Fe - C and Fe - C - P. Experimental results obtained were applied in investigations of the structure of white iron and gray iron (with different contents of carbon and phosphorus). The results of various pickling operations as well as the composition of the pickling agents and the pickling conditions are specified (Table). An electrical pickling in a neutral solution of potassium ferricyanide at 6 v for 30-50 sec and a subsequent electrical pickling in an alkaline potassium ferricyanide solution at 3 v for 10-15 min (or chemical pickling for 15-25 min) are regarded as the most suitable method of visualizing the binary and ternary eutectics in cast iron. The first pickling renders cementite

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ZAYTSEVA, L.P.; POROKHOVA, T.G.; MANVELOVA, K.V.

Method of color microscopy in the ultraviolet for investigating the structure of iron-chromium alloys. Zav.lab. 28 no.7:812-814 '62 (MIRA 15:6)

1. Leningradskiy politekhnicheskiy institut.
(Iron-chromium alloys--Metallography)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

POPILOV, L.Ya.; ALEKSEYEV, A.V., kand.tekhn. nauk, retsenzent; ZAYTSEVA, L.P., kand.tekhn.nauk, retsenzent; POPOV, V.F., inzh., retsenzent; ARENKOV, A.B., inzh., red.; DENINA, I.A., red.izd-va; KAPLANSKIY, Ye.F., tekhn. red.

[Manual on electric and ultrasonic methods of processing materials] Spravochnik po elektricheskim i ul'trazvukovym metodam obrabotki materialov. Moskva, Mashgiz, 1963. 478 p. (MIRA 17:3)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.P.; POROKHOVA, T.G.

Development of carbide and intermetallic phases by the method of chromatic ultraviolet microscopy. Zav. lab. 29 no.9:1088-1093 '63. (MIRA 17:1)

1. Leningradskiy politekhnicheskiy institut.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ACCESSION NR: AP4015324

and was accompanied by the separation of different intermetalloid phases. By using a previously established color chart of the ultraviolet colors for different metal phases, it was possible to differentiate between these phases in the alloys and to determine qualitatively their composition. Orig. art. has: 2 tables.

ASSOCIATION: Leningradskiy politekhnicheskiy institut (Leningrad Polytechnical Institute)

SUBMITTED: 00 DATE ACQ: 03Feb64 ENCL: 00

SUB CODE: MM NO REF SOV: 001 OTHER: 000

Card 2/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

BR

ACCESSION NR: AP4015324 S/0032/64/030/001/0061/0063

AUTHORS: Zaytseva, L. P.; Porokhova, T. G.

TITLE: Application of the color microscopy method under ultraviolet light to the analysis of iron chromium nickel alloys

SOURCE: Zavodskaya laboratoriya, v. 30, no. 1, 1964, 61-63

TOPIC TAGS: colored microscopy, microscopic analysis, ultraviolet light analysis, iron alloy, chromium alloy, nickel alloy, carbide phase, intermalloid phase, M119 microscope, three color photographic method, color photography

ABSTRACT: A method was developed by which the carbide and the intermetalloid phases of various alloying elements can be differentiated according to their "ultraviolet colors." The procedure was applied to the structure study of complex alloys on an Fe-Cr-Ni base. The metals were investigated after casting and after hardening and aging. The casts contained austenite, ferrite, and an intermetalloid phase (in alloys free of carbon), or a carbide phase (in alloys containing carbon). The ferrite decomposition took place in the process of aging

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L 17616-65
ACCESSION NR AM4046728

dents specializing in metallography.

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SUB CODE: MM SUBMITTED: 06Sep63 NR REF SOV: 046

OTHER: 015

Card 2/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

L 17510-66 EWT(m)/T/EWP(t)/EWP(b) ASD(m)-3 JD/MLK

ACCESSION NR AP5046728 BOOK EXPLOITATION S/

B+1

Tsvetnaya, Lidiya Pavlovna; Porokhova, Tat'yana Grigor'yevna

Color metallography in visible and ultraviolet rays (Tsvetnaya metallografiya v vidimykh i ul'trafiletovykh luchakh), Moscow, Izd-vo "Metallurgiya", 1964, 142 p. illus., biblio., col. microphotos.

TOPIC TAGS: metallography, ultraviolet microscopy, ferrous alloy, nonferrous alloy

PURPOSE AND COVERAGE: The book is the first text on the use of a method of metallographic analysis newly developed in the USSR -- the method of color transformation. The book cites the theoretical principles of two variations of the method: color ultraviolet microscopy and sequential etching. The equipment and the methodology for studying the structure of metals and alloys, which were developed in cooperation with specialists in metallurgy and optics, are described. Results of study of the structure of ferrous and nonferrous alloys using the method of color transformation show that this method increases the possibilities of normal metallographic analysis and makes it possible to differentiate phases of complex alloys. The book is intended for staff of research and educational institutes and metallurgists and mechanical engineers at the plant level. It can be useful to stu-

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.P.; POROKHOVA, T.G.

Investigating the structure of iron-titanium-carbon and iron-niobium-carbon alloys by color microscopy in ultraviolet rays. Trudy IPI no. 234:8-17 '64. (MIRA 17:11)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.P.; POROKHOVA, T.G.; MANVELOVA, K.V.

Investigating the structure of iron-tungsten-carbon and iron-molybdenum-carbon alloys with the help of color microscopy in ultraviolet rays. Trudy LPI no.234:18-24 '64. (MIRA 17:11)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

L 30791-66 EWT(1)/T JK

ACC NR: AP6022091 (A,N) SOURCE CODE: UR/0346/66/000/003/0040/0042

AUTHOR: Malakhova, T. I. (Candidate of veterinary sciences, Manager); Shevtsova, I. N. (Candidate of veterinary sciences); Zaytseva, L. P. (Director); Chudnovskiy, Ye. I. (Chief veterinary physician of Lyubertsy district of Moscow Region)

ORG: [Malakhova] Production Section, Scientific-Production Veterinary Laboratory, MSKh, RSFSR (Proizvodstvennyy otdel Nauchno-proizvodstvennyy veterinarnoy laboratorii); [Shevtsova] Scientific-Production Veterniary Laboratory, MSKh, RSFSR (Nauchno-proizvodstvennaya veterinarnaya laboratoriy); [Zaytseva] Lyubertsy Interdistrict Veterinary Laboratory (Lyuberetskaya mezhrayonnaya veterinarnaya laboratoriya)

TITLE: Preparation and use of blood from convalescent animals for foot-and-mouth disease

SOURCE: Veterinariya, no. 3, 1966, 40-42

TOPIC TAGS: foot and mouth disease, blood, epizootiology, experiment animal, preventive medicine, animal disease therapeutics

ABSTRACT: A total of 7,821 cattle and 1,400 swine were inoculated with blood obtained from animals convalescing from foot-and mouth disease. The results were best in calves up to one month old when the dose was 2.5-3 ml per kg of animal weight. Very few of the animals contracted the disease even in the midst of an epizootic. And in the few that did the course was very mild, with the animals having a normal temperature and good appetite. In most cases the inoculations halted the outbreak.

The blood of convalescent animals was also administered to very sick adult cows and bulls in doses of 500-600 ml and 700-800 ml, respectively. The course of the disease was much milder and recovery took place sooner than in the control.

Thus, the use of blood from animals recovering from foot-and-mouth disease has both prophylactic and therapeutic value. Orig. art. has: 2 figures. [JPRS]

SUB CODE: 06, 02/ SUBM DATE: none

Card 1/1 UDC: 619:616.988.43-085.375]: 636.2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

L 13014-66

ACC NR: AT6000930

from 515°C and the Al-0.8% Mg-0.65% Si from 520°C; for alloy V95, same as above, except that different EDP temperatures were maintained. For D1T the treatment was the same as for the aluminum, except that quenching was at 500°C. The tensile properties for Armco iron after treatment are listed. The change in energy EDP did not affect the properties. EDP (especially at 70°C) raised both strength and hardness and caused a sharp decrease in specific electrical resistivity. These property changes were noted only after 1 day or more of natural aging. No differences could be observed between EDP and the usual quench and age treatment. The results for the aluminum alloys were similar in some respects. However, after aging for 15 days a significant lowering of hardness and an increase in impact energy was noted following EDP. The authors concluded that EDP in normally quenched alloys, and quenching in a field of electrical discharges, speeds up the decomposition process in the primary period of aging (to 1 day) but that after 5 days of aging the properties are almost identical. In some alloys, after 15 days of aging, a significant lowering in properties can be observed (strength, hardness). In dispersion hardening systems, the only effect observed was in the primary stages of aging. Orig. art. has: 5 figures, 2 tables.

SUB CODE: 11/3/ SUBM DATE: 00/ ORIG REF: 001/ OTH REF: 000

jrn

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

L 13011-66 EWT(m)/EWP(w)/EWA(d)/T/ EWP(t)/EWP(k)/ EWP(z)/EWP(b) IJP(c)

ACC NR: AT6000930 MJW/JD SOURCE CODE: UR/2563/65/000/251/0062/0069

AUTHOR: Zaytseva, L. P.; Zamotorin, N. I. (Candidate of technical sciences, Docent); Simasheva, N. P.; Fidlin, V. Ya.

ORG: Leningrad Polytechnical Institute (Leningradskiy politekhnicheskiy institut)

TITLE: Effect of electric discharge processing on aging in Armco iron and aluminum alloys

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy. no. 251, 1965. Metallovedeniye (Metal science), 62-69

TOPIC TAGS: aluminum alloy, iron, dispersion hardening, solid mechanical property, electric resistance, metal aging, electric discharge

ABSTRACT: A study was made of electrid discharge processing (EDP) in water and its impact on aging behavior in Armco iron, aluminum alloys--Al-Cu and Al-Mg-Si and the alloys D1T and V95. Tensile properties, hardness, impact energy, specific electrical resistance and microstructures were analyzed after various treatments. EDP was applied as follows: for Armco iron: (1) quench from 700°C (1 hr hold time) into water and natural aging for 1, 5 and 15 days; (2) same quench with supplementary EDP at room temperature immediately after, and after 1 and 5 days; (3) same quench with artificial aging at 50°C for 4 hrs; (4) same quench with EDP done at 70°C. For the aluminum alloys: similar EDP treatments and aging schedules, except that Al-3% Cu was quenched

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.P.; ZAMOTORIN, M.I.; SIMASHEVA, N.P.; FIDLIN, V. Ya.

Investigating the effect of electric discharge machining on the properties and structure of metals. Trudy LPI no. 251: 57-61 '65 (MIRA 19:1)

Effect of electric discharge machining on the aging processes of armco iron and aluminum alloys. Ibid.:62-69.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L. P.

4

Electropolishing of metallographic sections of steel or cast iron in orthophosphoric-chromic acids electrolyte. L. P. Zaitseva (Leningrad Polytech. Inst.). *Zavodskaya Lab.* 11, [illegible] The H_3PO_4-CrO_3 electrolyte, contg. no H_2SO_4, is found to be well adapted for electropolishing of C steel and alloy steel and of cast iron. The electrolyte is very stable and requires no special treatment. The appearance of steel and cast iron, as revealed by etching in this electrolyte, is similar to Na picrate etching, with the cementite appearing black. With this electrolyte, polishing without stirring produces only slight etching (except in austenitic steel and hardened steel). Intensive stirring results only in polishing. The structure of such polished samples can be revealed either by the usual chem. etching or by etching in the electropolishing electrolyte at 2-3 amp./sq. dm.

W. M. Sternberg

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

POPILOV, Lev Yakovlevich; ZAYTSEVA, Lidiya Pavlovna; FOMIN, N.V., redaktor; GOLYATKINA, A.G., redaktor; EVENSON, I.M., tekhnicheskiy redaktor

[Electrolytic polishing and etching of metallographic sections] Elektropolirovanie i elektrotravlenie metallograficheskikh sblifov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955. 310 p.

(Metallography) (Polishing, Electrolytic) (MLRA 9:2)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

USSR/Metals - UV Microscopic Investigation Feb 52

"Application of Color Ultraviolet Microscopy to Investigation of Structure of Solid Solutions of Metals," L. P. Zaitseva, T. G. Porokhova

"Zhur Tekh Fiz" Vol XXII, No 2, pp 294-299

New method of ultraviolet microscopy by Ye. M. Brumberg (cf. "Iz Ak Nauk SSSR, Ser Fiz" 6,32, 1942; "Dok Ak Nauk SSSR" 32,486 1941), using color microscopy to investigate microstructure of solid soln, obtained during crystn process, was applied to combinations Cu - Si, Al - Zn and Sb - Bi in order to confirm previous research obtained by

209T86

USSR/Metals - UV Microscopic Investigation Feb 52
(Contd)

other means. Method proved efficient in rapid qual detn and partially in quant detn of various structural components of alloy. Research was guided by Ye. M. Brumberg and G. A. Kashchenko. Received 18 Jan 51.

209T86

ZAITSEVA, L. P.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

POPILOV, L.Ya; DEMCHUK, I.S.; BOGORAD, I.Ya.; BOGORAD, L.Ya.; KAZNACHEY, B.Ya.; BELYAYEV, G.S.; ASKINAZI, B.M.; ZAYTSEVA, L.P.; DYATCHENKO, A.P.

[Electrotechnology] Elektrotekhnologiia. [Leningrad] Gos.izd-vo sudostroit. lit-ry, 1952. 377 p. (MLRA 6:7)

(Electrochemistry) (Metallurgy)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

16

283. Electrolytic Polishing of Metallographic Specimens. L. P. Zaitseva and L. Ya. Popilov. 23 pages. 1947. From *Zavodskaya Laboratoriya*, v. 12, nos. 7-8, 1946, p. 679-692. Henry Brutcher, Altadena, Calif. (Translation No. 1915.)

Presents a comprehensive study of the electropolishing of metallographic specimens in order to find procedures best suited for different kinds of steel.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

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ZAYTSEVA, L.M., inzh.

Separation of dry peat powder in cyclones at the Orekhovo Peat Briquet Plant. Torf.prom. 36 no.6:20-23 '59.
(MIRA 13:2)

1. Kalininskiy torfyanoy institut.
(Orekhovo (Kalinin Province)--Peat)
(Briquets (Fuel))

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L. M.

ZAYTSEVA, L. M. -- "The Strength of Knots of Net-Tying Materials." Moscow Technical Inst of the Fish Industry and Economy imeni A. I. Mikoyan. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

No 1

SO: Knizhnaya Letopis', 1956, pp 102-122, 124

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L. M., Cand Tech Sci -- (diss) "Increase in the efficiency of the recovery of highly-dispersed fractions of peat brick in peat-briquette production." Moscow, 1960. 24 pp; (Ministry of Higher and Secondary Specialist Education USSR, Kalininskiy Peat Inst); 150 copies; price not given; (KL, 17-60, 154)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

and undergo hydrolysis. All three compounds are insoluble in alcohol, ether, and acetone. The solubility of cesium uranyl fluoride complexes in H_2O increases in the order $CsUO_2F_3$, $CsUO_2F_3 \cdot H_2O$, $Cs_2UO_2F_4 \cdot H_2O$, $Cs_3UO_2F_5$. $Cs_2UO_2F_4 \cdot H_2O$ forms in vacuum evaporation of 0.63 M UO_2F_2 and 0.08 M CsF solutions at the molecular ratio of 1:2. $CsUO_2F_3 \cdot H_2O$ forms in slow evaporation of these solutions in the air. $Cs_2UO_2F_4 \cdot H_2O$ forms in slow evaporation of saturated UO_2F_2 and CsF solutions at the molecular ratio of 1:2 in the air. At the molecular ratio of 1:1, $CsUO_2F_3$ readily precipitates only from concentrated UO_2F_2 and CsF solutions; diluted solutions give a mixture of $CsUO_2F_3$ and $CsUO_2F_3 \cdot H_2O$. The interplanar spacings of the crystals $CsUO_2F_3$, $CsUO_2F_3 \cdot H_2O$, $Cs_2UO_2F_4 \cdot H_2O$, and $Cs_3UO_2F_5$ were calculated and the wavelengths of the principal absorption bands were measured; these range between 4200 and 6000 Å. There are 8 figures and 8 tables.

SUBMITTED: December 24, 1960

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

S/078/62/007/007/002/013
B179/B101

AUTHORS: Zaytseva, L. L., Lipis, L. V., Fomin, V. V., Chebotarev, N. T.

TITLE: Production and properties of some uranyl fluoride complexes

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 7, 1962, 1538-1547

TEXT: The precipitates formed in the reaction between 6.08 M CsF solution and 0.63 M UO_2F_2 solution were investigated in the range of concentration (C) $c_{Cs^+} : c^{2+}_{UO_2} = 0.5 - 20$ by means of absorption spectroscopy, X-ray analysis, and chemical analysis. Three Cs-UO_2-fluoride complexes were formed: $CsUO_2F_3$ at C = 0.5 - 1.5; $Cs_2UO_2F_4 \cdot H_2O$ at C = 2-3; $Cs_3UO_2F_5$ at C = 6 - 20 and a mixture of $Cs_2UO_2F_4 \cdot H_2O$ with $Cs_3UO_2F_5$ at C = 3 - 5. $CsUO_2F_3$ is a finely crystalline, yellow substance soluble in diluted HNO_3, poorly soluble in H_2O; it hydrolyzes in aqueous solution. Both $Cs_2UO_2F_4 \cdot H_2O$ and $Cs_3UO_2F_5$ form green crystals, are soluble in H_2O

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

KHLOPIN, Vitaliy Georgiyevich (1890-1950); ZAYTSEVA, L.L.; LEVSHIN, B.V., KNYAZEV, G.A., otv. red.; BARANOV, V.I., red.

[Letters written to V.I.Vernadskii, 1916-1943]Pis'ma k V.I. Vernadskomu, 1916-1943. Sost.: L.L.Zaitseva i B.V.Levshin. Pod obshchei red. V.I.Baranova i N.G.Khlopina. Moskva, Akad. nauk 1961. 88 p. (MIRA 15:9)
(Vernadskii, Vladimir Ivanovich, 1863-1945)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.L.; LIPES, L.V.; FOMIN, V.V.; CHEBOTAREV, N.T.

Preparation and properties of some complex fluorides of uranyl.
Zhur.neorg.khim. 7 no.7:1538-1547 Jl '62. (MIRA 16:3)
(Uranyl fluorides)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.L.; KONAREV, M.I.; KRUGLOV, A.A.; CHEBOTAREV, N.T.

Double sodium sulfates of rare-earth elements. Zhur. neorg. khim. 9 no.11:2554-2558 N '64 (MIRA 18:1)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ILLEGIBLE

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.L.; IL'YASHENKO, V.S.; [illegible], M.I. [illegible], S.N.;
LIPIS, L.V.; CHEBOTAREV, N.T.

Physicochemical properties of the [illegible] rare-earth sulfates of the [illegible] subgroup. Zhur. [illegible]. 10 no.8:1761-1770 Ag '65.

([illegible])

1. Submitted May 5, 1964.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.L.

Some unpublished materials on the theory of radioactivity.
Trudy Inst.ist.est.i tekh. 35:149-166 '61. (MIRA 14:9)
(Radioactivity)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

24725

Properties of plutonyl ....

S/078/61/006/007/002/014
B107/B217

(8.458 Å), $CsPuO_2F_3 \cdot H_2O$ (8.916 Å). Furthermore, a series of isotopic compounds $Me_2PuO_2F_4$ exists; Fig. 3 shows the powder diagrams for $K_2PuO_2F_4$ and $(NH_4)_2PuO_2F_4$ in schematical form. The compound $Cs(PuO_2)_2F_5 \cdot 3H_2O$ was also found; the radiogram is very rich in lines (Fig. 9) and indicates a low symmetry. The absorption spectra are characterized by the bands for Pu^{VI} between 8280 and 8330 Å, as well as between 6200 and 5600 Å. The stability of the compound $MePuO_2F_3 \cdot H_2O$ was found to decrease on the transition from sodium to cesium. There are 11 figures, 4 tables, and 15 references: 2 Soviet-bloc and 13 non-Soviet-bloc. The reference to English-language publication reads as follows: H. H. Anderson. Paper 6, 21 of the Transuranium Elements, 14B, New York, 1949.

SUBMITTED: May 30, 1960

Card 2/6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

24725

S/078/61/006/007/002/014
B107/B217

21.4100

AUTHORS: Alenchikova, I. F., Zaytseva, L. L., Lipis, L. V., Nikolayev, N. S., Fomin, V. V., Chebotarev, N. T.

TITLE: Properties of plutonyl fluoride complexes

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 6, no. 7, 1961, 1513-1519

TEXT: The object of the present study was the production and investigation of plutonyl fluoride complexes with alkali metals. The systems PuO_2F_2 - MeF - H_2O with Me = Na, K, NH_4, Rb, Cs were investigated in the range Me/Pu = 1 to 50 by means of electron absorption spectra. The latter were recorded by means of the ИСП-51 (ISP-51) spectrograph at the boiling temperature of liquid nitrogen. The compounds prepared were analyzed; Table 1 provides a list of the compounds produced as well as the analytical values. The compounds $MePuO_2F_3 \cdot H_2O$ are isotopic and of cubic symmetry. Fig.2 shows schematically the powder diagrams, obtained in the РКУ-86 (RKU-86) camera with chromium radiation, for the following compounds (lattice constant in brackets): $KPuO_2F_3 \cdot H_2O$ (8.126 Å), $RbPuO_2F_3 \cdot H_2O$

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, Lyubov' L'vovna; FIGUROVSKIY, Nikolay Aleksandrovich; LEVENSHTEYN, G.V., red. izd-va; LAUT, V.G., tekhn. red.

[Investigation of radioactive phenomena in prerevolutionary Russia] Issledovaniia iavlenii radioaktivnosti v dorevoliutsionnoi Rossii. Moskva, Izd-vo Akad. nauk SSSR, 1961. 221 p. (MIRA 14:8)
(Radioactivity)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.L., kand. khim. nauk; LEVSHIN, B.V.; BARANOV, V.I., red.; KHLOPIN, N.G., red.; KNYAZEV, G.A., otv. red.; ARON, G.M., red. izd-va; BOCHEVER, V.T., tekhn. red.

[Letters from V.G.Khlopin to V.I.Vernadskii; 1916-1943] Pis'ma V.G. Khlopina k V.I.Vernadskomu, 1916-1943. Sost. L.L.Zaitseva i B.V.Levshin. Pod obshchei red. V.I.Baranova i N.G.Khlopina, 1961. 88 p. (MIRA 14:8)

1. Akademiya nauk SSSR. Arkhiv.
(Khlopin, Vitalii Grigor'evich, 1890-1950)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

FOMIN, V.V.; MASLOVA, R.N.; ZAYTSEVA, L.L.

Study of the extraction of nitric acid using the method of isomolar series. Zhur.neorg.khim. 5 no.6:1383-1384 Je '60. (MIRA 13:7)
(Nitric acid) (Extraction (Chemistry))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.L.

New material on the life and work of V.A.Borodovskii. Vop.ist.est.i tekh. no.10:93-100 '60. (MIRA 14:3)
(Borodovskii, Vasilii Andreevich, 1878-1914)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.L.

Start of a systematic study of deposits of radioactive minerals in pre-Revolutionary Russia; work of V.I. Vernadskii. Vop.ist.i tekh. no.9:121-124 '60. (MIRA 13:7)
(Radioactive substances) (Vernadskii, Vladimir Ivanovich, 1863-1945)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

Separation and Investigation of the Physico-chemical Properties of Plutonyl-chloride SOV/78-4-5-1/46

spectra undergo a considerable change. Absorption lines occur in such spectra which are characteristic of Pu^{4+}. Under the action of a α-radiation a reduction of Pu(VI) into Pu(IV) takes place. The analysis values of plutonyl chloride are shown in a table and the absorption spectra of various solutions and of the obtained crystal of the plutonyl chloride are shown by figures 1 - 4. There are 4 figures, 1 table, and 2 references, 1 of which is Soviet.

SUBMITTED: April 7, 1958

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

SOV/79-4-5-1/46

5(2), 21(1)

AUTHORS: Alenchikova, I. F., Zaytseva, L. L., Lipis, L. V., Fomin, V. V.

TITLE: Separation and Investigation of the Physico-chemical Properties of Plutonyl-chloride (Vydeleniye i izucheniye fiziko-khimicheskikh svoystv khloristogo plutonila)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 5, pp 961-962 (USSR)

ABSTRACT: The synthesis of plutonyl chloride was carried out by the vacuum vaporization of a plutonyl chloride solution at room temperature. Plutonyl chloride was isolated in form of greenish-yellow crystals of the composition $PuO_2Cl_2 \cdot 6H_2O$. By means of electrons and infrared absorption spectra of the plutonyl chloride crystals it was proved that this compound contains PuO_2^{2+}-ions and that no Pu(IV) is present. The spectra of the crystals were photographed by means of the spectrograph ISP-51 (the camera had a focal length of 270 mm) within the range of 4200 - 9800 Å. After a longer storage of the plutonyl chloride preparation the infrared- and electron adsorption

Card 1/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

PHASE I BOOK EXPLOITATION SOV/5084

International Conference on the Peaceful Uses of Atomic Energy. 2d, Geneva, 1958.

Doklady sovetskikh uchenykh. [t.4] Khimiya radioelementov i radiatsionnykh prevrashcheniy (Reports of Soviet Scientists. v. 4.: Chemistry of Radioelements and Radiation Transformations) Moscow, Atomizdat, 1959. 323 p. 8,000 copies printed. (Series: Its: Trudy)

Ed. (Title page): A. P. Vinogradov, Academician; Ed.: V. I. Labaznov; Tech. Ed.: Ye. I. Mazel'.

PURPOSE: This collection of articles is intended for scientists and engineers interested in the applications of radioactive materials in science and industry.

COVERAGE: The book contains 26 separate studies concerning various aspects of the chemistry of certain radioactive elements and the processes of radiation effect on matter. These reports discuss present-day methods of reprocessing irradiated nuclear fuel, research in the chemistry of mercury, thorium, uranium, plutonium, and americium, problems related to the sorption and burying of radioactive wastes, the radiolysis of aqueous solutions and of organic compounds, the mechanism of polymer chain grafting, and the effect of radiation on natural and synthetic rubbers. V. N. Prusakov edited the present volume. Most of the reports are accompanied by references. Contributors to individual investigations are mentioned in annotations to the Table of Contents.

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Alenchikova, I. F., L. L. Zaytseva, L. V. Lipis, Y. V. Fomin, and E. T. Chebotarev. Production and Properties of Several Binary Fluorides of Tetravalent Plutonium (Report No. 2208) 137

Yakovlev, G. N., and V. N. Kosyakov. Investigations on the Chemistry of Americium (Report No. 2127) 147
[D. S. Gorenko-Germanov is mentioned as having supplied the material for the second section of this study.]

Zvyagintsev, O. Ye., V. D. Nikol'skiy, S. M. Starostin, A. Kurbanov, and V. S. Shmidt. Contribution to the Chemistry of Radioactive Ruthenium (Report No. 2143) 166

Spitsyn, V. I., V. D. Balukova, A. F. Naumova, V. V. Gromov, F. M. Spiridonov, Ye. M. Vetrov, and G. I. Grafov. Study of the Migration of Radioactive Elements in Soils (Report No. 2207) 174

Voznesenskiy, S. A., G. A. Sereda, P. F. Dolgikh, and L. I. Baskov. Detoxication of Low-Salt-Content and Low-Activity Waste Waters From Radiochemical Plants (Report No. 2024) 189

Bol'shakov, K. A., A. T. Avdonin, V. T. Borshchev, F. V. Rausen, and others. Experimental Industrial Plant for Purification of Laboratory Waste Waters Contaminated With Radioactive Elements (Report No. 2025) 194

Bogorov, V. G., and Ye. M. Kreps. On the Possibility of Burying Radioactive Wastes in Deep-Water Depressions of the Ocean (Report No. 2058) 204

Proskurnin, M. A., and Ya. M. Kolotyrkin. Investigations Into the Radio-chemistry of Aqueous Solutions (Report No. 2022) 211
[The investigations were carried out at the Laboratoriya radiatsionnoy khimii fiziko-khimicheskogo instituta im. L. Ya. Karpova (Laboratory of Radiation Chemistry of the Physicochemical Institute imeni L. Ya. Karpov) under the direction of M. A. Proskurnin, V. D. Orekhov, Ye. V. Barelko, and A. I. Chernova. The data on oxidation reduction reactions taking place in aqueous solutions under the effect of γ-radiation were obtained from investigations made at the Laboratoriya korrozii i elektrokhimii metallov (Laboratory of Corrosion and Electrochemistry of Metals) under the direction of Ya. M. Kolotyrkin, N. Ya. Bune, and G. S. Tyurikov. The following are mentioned as having made a study of conjugate reactions such as the formation of dyes from leuco bases: V. D. Orekhov, A. A. Zaksokhova, L. I. Belen'kiy, T. V. Bromberg, and M. Ye. Kazanskaya.]

Bakh, N. A., V. I. Medvedovskiy, and V. V. Sarayeva. Radiolysis and Radiation Oxidation of Organic Compounds (Report No. 2203) 229
[The following are mentioned: N. S. Kolosova and V. F. Tsurikov,

(31)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

SOV/78-3-10-2/35

The Production of Plutonium Tribromide and Some of Its Properties

and its crystal-hydrate compounds decompose when α-rays act on them. The decomposition of bromides by action of α-radiation is observed by the appearance of bromine vapor over $PuBr_3$.

There are 3 figures, 1 table, and 5 references, 3 of which are Soviet.

SUBMITTED: April 14, 1958

Card 2/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

SOV/78-3-10-2/35

AUTHORS: Fomin, V. V., Reznikova, V. Ye., Zaytseva, L. L.

TITLE: The Production of Plutonium Tribromide and Some of Its Properties (Polucheniye i nekotoryye svoystva tribromida plutoniya)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 10, pp 2231-2235 (USSR)

ABSTRACT: The spectra of absorption of solid plutonium tribromide were taken at the temperature of liquid nitrogen. A method was described according to which plutonium tribromide can be produced by acting HBr on plutonium (IV)-oxalate at a temperature of 500°C. The specific weight of plutonium tribromide thus produced is 5,54 ± 0,02. The density of plutonium tribromide depends on the composition of the compounds which are treated with HBr. The values vary between 5,0 g/cm^3 and 5,8 g/cm^3. The hygroscopic properties of plutonium tribromide were analyzed and it was found that the bromide does not show a perceptible moisture absorption after it has been kept over sulfuric acid for 7 hours. The existence of two crystal hydrates of $PuBr_3$ was found and their spectra of absorption were taken. It was found that $PuBr_3$

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

78-3-4-23/38

Investigation of the Physico-Chemical Properties of Plutonyl Fluoride

The electron and U.R. absorption spectra of plutonyl fluoride proved the presence of the PuO_2^{2+}-ion and the absence of the Pu-IV-ion.
The crystallization structure of plutonyl fluoride shows a rhombic lattice with the constants a = 5,797± 0,005 Å and 42° ± 3'.
The X-ray density of PuO_2F_2 amounts to 6,50 g/cm³.
The solubility of plutonyl fluoride in water at 20°C amounts to 1,07 g/l. On the action of water on plutonyl fluoride a change of structure occurs. There are 5 figures, 2 tables, and 7 references.

SUBMITTED: October 20, 1957

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

78-3-4-23/38

AUTHORS: Alenchikova, I. F., Zaytseva, L. L., Lipis, L. V., Nikolayev, N. S., Fomin, V. V., Chebotarev, N. T.

TITLE: Investigation of the Physico-Chemical Properties of Plutonyl Fluoride (Izucheniye fiziko-khimicheskikh svoystv ftoristogo plutonila)

PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1958, Vol. 3, Nr 4, pp. 951-955 (USSR)

ABSTRACT: The synthesis of plutonyl fluoride from hydrochloric acid solutions of plutonium-VI with liquid hydrofluoric acid was elaborated.
The plutonyl fluoride produced by this synthesis was analyzed as follows:
a) by chemical analysis
b) by determination of the state of valence of plutonium by means of the electron absorption spectrum
c) by the determination of the composition based on the U. R. -absorption spectrum
d) by X-ray structural analysis.

The chemical analysis showed that plutonyl fluoride has the following formula: PuO_2F_2.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.L.

First radiological laboratory in Russia. Trudy Inst. ist. est. i tekh. 19:197-218 '57. (MIRA 11:2)
(Radiology) (Physical laboratories)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.L.

ZAYTSEVA, L.L.; FIGUKOVSKIY, N.A.

Professor P.P. Orlov's role in the study of the radioactivity of natural objects in Siberia and in the Altai Territory. Vop. ist. est. i tekh. no.4(63)-71 '57. (MIRA 11:1)

(Siberia--Radioactivity)
(Altai Territory--Radioactivity)
(Orlov, Petr Pavlovich, 1859-1937)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.L.

V.A. Borodovskii and his works on radioactivity. Vop.ist.est.i tekh. no.2:124-137 '56. (MIRA 10:1)
(Borodovskii, Vasilii Andreevich, 1878-1914)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L. L.

USSR / General Problems - Methodology. History. Scientific Institutions & Conferences. Teaching. Problems of Bibliography and Scientific Documentation. A-1

Abs Jour : Referat Zhur - Khimiya, No 6, 25 March 1957, 18080

Author : Zaytseva, L.L.

Inst : ---

Title : To the History of the Development of the Doctrine of Radioactivity in Pre-Revolutionary Russia.

Orig Pub : Avtoref. diss. kand. khim. n. In-t istorii, estestvozn. i tekhn. AN-SSSR, M., 1956,

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L. L.:

ZAYTSEVA, L. L.: "The history and development of the study of radioactivity in prerevolutionary Russia." Acad Sci USSR. Inst of the History of Natural Science and Technology. Moscow, 1956 . (Dissertation for the Degree of Candidate in Chemical Science)

Source: Knizhnaya letopis' No 40 1956 Moscow

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

SHAMIS, D.L.; KURDINA, R.M.; ZAYTSEVA, L.K.

Effect of fillers on the activity of some species of yeasts of the genus Saccharomyces. Trudy Inst. mikrobiol. i virus. AM Kazakh. SSR 7:51-57 '63 (MIRA 16:12)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

OSADCHENKO, I.R., nauchnyy red.; ZAYTSEVA, L.I., vedushchiy red.; SAFRONOVA, I.M., tekhn. red.

[Economic effectiveness of petrochemical processes] Ekonomicheskaia effektivnost' neftekhimicheskikh protsessov. Leningrad, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 92 p. (MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov.

(Petroleum chemicals)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

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

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

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

(Machinery--Design)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, Lyudmila Ivanovna; ZYUZENKOV, I.P., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Coal and its utilization] Ugol' i ego ispol'zovanie. Moskva, Izd-vo "Znanie," 1960. 29 p. (MIRA 14:1)
(Coal)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

BAKINOV, German Pavlovich; SHIRENKO, Konstantin Ivanovich; RADULOV, Ye.F., nauchnyy red.; ZAYTSEVA, L.I., vedushchiy red.; SAFRONOVA, I.M., tekhn.red.

[Technical methods and equipment and the economics of mining oil shales in Leningrad Province] Tekhnologiia i ekonomika dobychi goriuchikh slantsev Leningradskoi oblasti. Leningrad, Gostoptekhizdat, 1961. 143 p. (MIRA 15:5)
(Leningrad Province—Oil shales)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

FILIPPOV, M.P.; ZAYTSEVA, L.F.; ZAYTSEVA, Z.V.; CHUKUR, A.P.

Determination of vinyl alkyl adipates in their mixture with vinyl acetate by the bromide-bromate method. Zhur. anal. khim. 20 no.1:132-134 '65. (MIRA 18:3)

1. Severodonetskiy filial Gosudarstvennogo nauchno-issledovatel'skogo i proyektnogo instituta azotnoy promyshlennosti i produktov organicheskogo sinteza.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

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

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

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

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

VASIL'YEVA, A.N.; GAMAYUNOVA, A.P.; DMITRIYEVA, A.A.; GOLOSKOV, V.P., kand. biol. nauk; ZAYTSEVA, L.G.; KARMYSHEVA, N.Kh. ORAZOVA, A.; PAVLOV, N.V., akademik; ROLDUGIN, I.I.; SEMIOTROCHEVA, N.L.; TEREKHOVA, V.I.; FISYUN, V.V.; TSAGALOVA, V.G.; SUVOROVA, R.I., red.

[Flora of Kazakhstan] Flora Kazakhstana. Glav. red. N.V. Pavlov. Alma-Ata, Nauka. Vol.8. 1965. 444 p. (MIRA 18:5)

1. Akademiya nauk Kaz.SSR (for Pavlov).

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

ZAYTSEVA, L.D.

OSHER, R.N.; ZAYTSEVA, L.D.

Determining the saponification number of petroleum products and the amount of free oils in greases. Trudy VNII NP no.6:185-188 '57. (MIRA 10:10)

(Saponification) (Lubrication and lubricants)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100011-6

NECHETSKAYA, R.M.; KOLESINSKAYA, N.I.; KAIMYKOVA, A.P.; GOLUBINSKIY, Ye.P.
ZAYTSEVA, L.D.

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This collection of articles gives results of the sci. res. work of the All-Union Sci. Res. Inst. for Processing of Petroleum and Gas for the Production of Synthetic Liquid Fuel.

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Function of money in noncash settlements in a socialist economy.
Den. i kred. 16 no.3:29-32 Mr '58. (MIRA 11:5)
(Money) (Payment)

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USSR/Cultivated Plants. Potatoes, Vegetables, Melons. M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77687.

Author : Zaytseva, L.
Inst : Krasnoyarsk Scientific-Research Institute of Agriculture.
Title : Periods and Methods of Cabbage Planting in the Steppe Regions of Khakassiya Under Irrigation.

Orig Pub: Byul. nauchno-tekhn. inform. Krasnoyarskogo n.-i. in-ta s. kh., 1957, No 1-2, 41-43.

Abstract: In the Khakassiya Agricultural Experiment Station, experiments were conducted in 1955-1956 on cabbage plantings of the Slava-231 variety of distributions 70 x 70 cm (square) and 70 x 100 cm (nest, per two plants). Periods of planting: 20 May, 1 and 10 June. Dimensions of plots 400 m^2, repetition three-fold, watering per furrows; normal watering 600-700 m^3

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ZUYEV, Vladimir Stepanovich; SKUBACHEVSKIY, Leonid Semenovich; ZAYTSEVA, K.Ya., inzh., red.; SUVOROVA, I.A., red. izd-va; ROZHIN, V.P., tekhn. red.

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aerodynamic field and I. P. Bratukhin, N. I. Kamov, M. L. Mil' as gifted contemporary helicopter designers. He expresses his gratitude to engineers A. I. Kozlova, V. A. Gud, V. I. Shaydakov, and O. A. Pankov for their assistance. There are 134 Soviet references, including 3 English translations, 11 English references, 1 French, and 1 German. Six periodicals are included, 2 Soviet and 4 English.

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ZAYTSEVA, K. YA

PHASE I BOOK EXPLOITATION 212

Yur'yev, Boris Nikolayevich, Academician

Aerodinamicheskiy raschet vertoletov (Aerodynamic Design of Helicopters)
Moscow, Oborongiz, 1956. 559 p. 5,000 copies printed.

Reviewer: Strizhevskiy, S. Ya., Candidate of Technical Sciences; Ed.: Zaytseva, K. Ya., Engineer; Ed. of Publishing House: Petrova, I. A.; Tech. Ed.: Zudakin, I. M.; Managing Ed.: Sokolov, A. I., Engineer.

PURPOSE: The book is a textbook for the course "Aerodynamic Design of Helicopters" given at aeronautical engineering schools. It may also be used in design offices and for helicopter operation.

COVERAGE: The book contains material necessary for practical applications, laboratory work, undergraduate and graduate projects. It gives the concepts needed for designing the aerodynamic system of a helicopter, and is aimed at obtaining a uniform and simple method of aerodynamic design. The book is based on Prof. N. Ye. Zhukovskiy's aerodynamic theories. The author names S. K. Dzhevetskiy, V. P. Vetchinkin as well known in the

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BODNER, Vasiliy Afanas'yevich; ZAYTSEVA, K.Ya., inzhener, redaktor; SHEVYAKOV, A.A., kandidat tekhnicheskikh nauk, retsenzent; BOGOMOLOVA, M.F., redaktor; GLADKIKH, N.N., tekhnicheskiy redaktor

[Automatic control of airplane motors] Avtomatika aviatsionnykh dvigatelei. Izd. 2-e, ispr. i dop. Moskva, Gos.izd-vo obor. promyshl., 1956. 400 p. (MLRA 9:4)
(Airplanes--Motors)

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SHMYNIN, Viktor Mikhaylovich; YAGODIN, Ye.I., inzhener, retsenzent; MAKAROV, S.Ya., inzhener, retsenzent; ZAYTSEVA, K.Ya., inzhener, nauchnyy redaktor; PETROVA, I.A., izdatel'skiy redaktor; CHISTYAKOVA, A.V., tekhnicheskiy redaktor

[Calculating aircraft centering] Raschet tsentrovki samoleta. Moskva, Gos. izd-vo obor.promyshl., 1955. 226 p. (MIRA 9:8)
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KHUPENIN, L.Ya.; ZAYTSEVA, K.Ya., redaktor; GLADKIKH, N.N., tekhnicheskiy redaktor.

[The V-501 propeller for Yak-12 and Yak-18 airplanes; design, servicing and repair] Vozdushnyi vint V-501 dlia samoletov IAk-12 i IAk-18; konstruktsiia, obsluzhivanie i remont. Moskva, Gos. izd-vo oboronnoi prom., 1954. 112 p. [Microfilm]
(Propellers, Aerial) (MLRA 7:11)

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GEVONDYAN, T.A.; KISELEV, L.T.; ZAYTSEVA, K.Ya., redakter.

[Machinery parts in precision mechanics] Detali mekhanizmov tochnoi mekhaniki. Moskva, Gos. izd-ve obor. promyshl., 1953. 228 p. (Machinery)

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ZAYTSEVA, K.

Volunteer inspectors. Pozh. delo 9 no.9:5 S '63. (MIRA 16:10)

1. Zamestitel' predsedatelya Vytegorskogo rayonnogo ispolnitel'nogo komiteta.

(Vytegra District--Fire prevention--Inspection)

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ZAYCHENKO, I.Z.; MYSHLEVSKIY, L.M.; ZAYTSEVA, K.V.; KAMENETSKIY, G.I.; MAZYRIN, I.V.[deceased]; SHCHERBAKOV, V.I.; LOZHKIN, O.V.; CHIGAREVA, E.I., red.; KOVAL'SKAYA, I.F., tekhn. red.

[Development of the designs of hydraulic and pneumatic equipment and of lubrication and filtration systems for machine tools abroad] Razvitie konstruktsii gidravlicheskogo i pnevmaticheskogo oborudovaniia, smazochnykh i fil'truiushchikh ustroistv metallorezhushchikh stankov za rubezhom; obzor. Moskva, TSINTIMASH, 1961. 101 p. (MIRA 16:5)

1. Moscow. Eksperimental'nyy nauchno-issledovatel'skiy institut metallorezhushchikh stankov.
(Machine-tools--Design and construction)

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ZAYTSEVA, K.V.

Packing stationary connecting pieces. Stan. i instr. 26 no.8:34-36 Ag '55.
(MLRA 8:12)
(Hydraulic machinery) (Packing (Mechanical engineering))

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ACC NR: AP7006950 SOURCE CODE: UR/0413/66/000/021/0211/0211

INVENTOR: Kamenetskiy, G. I.; Zaytseva, K. V.

ORG: none

TITLE: Hydraulic feed-control device. Class 59, No. 188306 [announced by the Scientific Research Institute of Experimental Metalcutting Lathes (Eksperimental'nyy nauchno-issledovatel'skiy institut metallorezhushchikh stankov)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 211

TOPIC TAGS: hydraulic device, ~~pump~~, hydraulic pump, ~~hydraulic pump~~ ENGINE, PISTON, AXIAL PUMP

ABSTRACT: An Author Certificate has been issued for a hydraulic feed-control device for an axial-piston pump with variable piston stroke. It contains a double-arm lever connected with the pump's control element, actuated by hydraulic control cylinders and provided with a shoulder which interacts with controllable stops in the pump's housing to limit the maximum supply. To assure a simultaneous uniform change in feeding when reversing, a controllable regulating spindle in the housing interacts through the stops with the evolvent surface of the lever's shoulder. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: none

Card 1/1 UDC: 621.66-543.3-551.4:621.65 [WA-98] [GE]

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ZAYTSEVA, K.V.

Standardizing rotating shaft packings. Stan.i instr. 27 no.9:37-39 S '56. (MLRA 9:11)

(Packing (Mechanical engineering))
(Shafts and shafting)

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AID P - 5395

Subject : USSR/Engineering

Card 1/1 Pub. 103 - 25/28

Author : Zaytseva, K. V.

Title : Packing ring normalization in rotating shafts

Periodical : Stan. i instr., 9, 37-39, S 1956

Abstract : The author describes construction and properties of the A51-4 packing ring made with rubber 3825 and 4004 [TU 1166-51r MKhP (Technical Specifications of the Ministry of the Chemical Industry)] as used in rotating shafts. Six drawings, 3 graphs and 1 nomogram.

Institution : None

Submitted : No date

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10096

ZAYTSEVA, K. S.

USSR/Who's Who - Economic 7323. 4 Oct 1947
Radio 4805.0100
Legislation 3122.0400

"145. Concerning the Release of K. S. Zaytseva from the Position of Deputy Chairman of the Committee on Radio Installation and Broadcasting of the Soviet of Ministers of the USSR" 1 p

"Sobraniye Postanovleniy Sovmin SSSR" No 7

Decree No 3231, 16 Sep 1947, complete.

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