

1. ALEKSEYEN, Ye. g.
2. USSR (600)
4. Lathes
7. Improved fasterning of lathe chucks. Stan. i instr. 23, no. 12 1952

Monthly Lists of Russian Accessions, Library of Congress, March, 1953, Unclassified.

ALEKSEYENKO, A., frezerovshchik, udarnik kommunisticheskogo truda

Eliminate industrial accidents! Sov. profsoiuzy 19 no.1:  
17-18 Ja '63. (MIRA 16:1)

1. Predsedatel' komissii okhrany truda Stankostroitel'nogo  
zavoda imeni S. M. Kirova, Tbilisi.

(Tiflis—Machine-tool industry—Safety measures)

11155: Power plant operation test of the diesel powered ship "TAKH"

SOURCE: Morskoy flot, no. 9, 1964, 24-26

power. Figure 1 on the Enclosure shows the curves by which the operation was



30920  
S/195/002/003/005/009  
B030/E452

5.4600

AUTHORS:

Zakharov, Yu.A., Boldyrev, V.V. and Alekseyenko, A.A.

TITLE:

Influence of the addition of cadmium on the velocity of thermal and radiochemical decomposition of silver carbonate

PERIODICAL: Kinetika i kataliz, v.2, no.3, 1961, 365-367

TEXT: The thermal decomposition of silver carbonate, both pure and with addition of 2.5 mole-% cadmium carbonate, has been studied at 151° gravimetrically, unirradiated, and also with X-irradiation from apparatus PYN-2 (RUP-2) using 200 kV and  $I_A$  of 20 mA. The salts were formed by double decomposition. In the thermal decomposition, the specimens were suspended from a quartz spring balance with a sensitivity of  $4 \times 10^{-5}$  g in a chamber thermostatted to  $\pm 0.2^\circ\text{C}$ . In the radiochemical decomposition, the kinetics were measured photometrically by the change in colour of the specimens. The object of the work was to study an example of decomposition of a solid solution where bonds in the anionic or cationic lattice components were broken; most examples hitherto have concerned only rupture of like bonds. The results are shown in the figure, where  $\alpha$  is the fraction of specimen reacted. It is seen that

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ALEXSEYENKO, A.A.

Surgical treatment of gastric and duodenal diverticula.  
(HIRA 18:2)  
Khirurgiya 40 no.9:48-53 S 164

1. Kafedra fakul'tetskoy khirurgii No.2 (zav. - prof. L.G. Smolyak) Donetskogo meditsinskogo instituta na baze Donetskoy gorodskoy klinicheskoy bol'nitsy No.1 (glavnyy vrach M.N. Khanovich).

ALEKSEYENKO, A.F., inzh.

Ways to reducing the seismic effect of an air and sound shock wave, and increasing the efficiency of large-scale blasting by borehole charges. Vzryv. delo no.57/14:245-261 '65. (MIRA 18:11)

1. Krivorozhskiy Nauchno-issledovatel'skiy gornorudnyy institut.

ACC NR: AR7001770 SOURCE CODE: UR/0169/66/000/010/D016/D016

AUTHOR: Alekseyenko, A. F.

TITLE: Calibration of equipment for the study of seismic effects of mass blasting

SOURCE: Ref. zh. Geofizika, Abs. 10D98

REF SOURCE: [Sb. nauchn. tr.] N.-i.. gornorudn. in-t USSR, no. 8, 1965,  
207-221

TOPIC TAGS: instrument calibration equipment, seismograph, oscillograph,  
blasting

ABSTRACT: The paper deals with the calibration of equipment for studying the effects of blasts of great amounts of explosives on residential buildings and other structures. VEGIK type seismographs were used as vibrographs. For recording displacements an H-700 oscillograph with a low frequency galvanometer was used. The same oscillograph with a galvanometric frequency of 120 to 140 cps and an OS-24 seismic oscillograph with a galvanometric frequency of 130 cps were used for recording displacement velocities. Since the vibration platform designed for calibration purposes distorted the parameters of the recording equipment amplifi-

Card 1/2

UDC: 550.834



ACC NR: AR7001770

cation sensitivity and damping were calculated according to standard formulas. These calculations were based on the results of measurements of constant values of channel sections. A. Fedorenko. [Translation of abstract] [AM]

SUB CODE: 08, 17/

Card 2/2

ALEKSEYENKO, A. I.

M-3

USSR / Cultivated Plants. Cereal Crops.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58552

Author : Alekseenko, A. I.; Ovsy, A. A.

Inst : Poltava Agricultural Institute

Title : The Quality of Seeds of Corn in Relation to Their Ripeness and Periods of Harvesting

Orig Pub : Nauchn. tr. Poltavsk. s.-kh. in-ta, 1956 (1957), 5, 41-45

Abstract : Khar'kovskaya 23 and Grushevskaya 380 corn cobs were harvested at different periods, and dried so that grain moisture was down to 12-13%. This permitted to determine the sowing qualities of these varieties of corn. Maximum germination (99.5-99.7%) and sprouting energy (94.2-95.0%) were obtained with seeds from cobs, harvested during the phase of full ripeness. Seeds, harvested during earlier or later periods, were characterized by a greater number of abnormal sprouts and by a weaker development

Card 1/2

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58552

of the root system when sprouting was induced in

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000100920006-3

Card 2/2

USSR/Cultivated Plants. Fodder Plants.

M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68228

Author : ~~Alekseyenko, A. I.~~  
Inst : Poltava Agricultural Institute.  
Title : The Influence of Location and Time of Seed  
Formation on the Yield and Biological Proper-  
ties of White Lupine.

Orig Pub : Nauchn. tr. Poltavsk. s.-kh. in-t, 1956  
(1957), 5, 204-209

Abstract : The project under discussion went on for three  
years in Poltava. When the nutrition area of  
white lupine is increased, it branches out  
strongly, forming branches of the orders I,  
II, and III, and of the V order in wet years;  
beans appear in the racemes of the main stalk

Card : 1/3

81

USSR/Cultivated Plants. Fodder Plants.

M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68228

In the second generation, there was no difference between the flowering and maturing dates of plants of the I, II, and III strata. The seeds of the first stratum were actually the most productive, and the differences between seeds of different strata were more markedly expressed. -- D. P. Meshcheryakov

Card : 3/3

82

ALEKSEYENKO, A.M., starshiy serzhant sverkhserozhnoy sluzhby

Automatic switch for the master oscillator of the RAP-KV transmitter.  
Vest.protivovozd.obor. no.2:71 F '61. (MIRA 14:2)  
(Radio—Transmitters and transmission)  
(Electric switchgear)

ACC NR: AP7001401

(N)

SOURCE CODE: UR/0413/66/000/021/0077/0077

INVENTORS: Alekseyenko, A. V.; Berlin, V. M.; Krasov, P. A.; Litvinov, G. I.;  
Shelkov, V. V.; Oparin, V. I.; Remesnikov, A. I.; Stepanov, S. N.

ORG: none

TITLE: An assembly for welding internal joints of boiler shells. Class 21, No.  
187906 [announced by All-Union Scientific Research and Design Engineering Institute  
of Chemical and Petroleum Apparatus Construction (Vsesoyuznyy nauchno-issledovatel'skiy  
i proyektnyy institut tekhnologii khimicheskogo i neftyanogo apparatostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 77

TOPIC TAGS: welding, welding equipment, welding technology, seam welding

ABSTRACT: This Author Certificate presents an assembly for welding internal joints  
of boiler shells. The assembly consists of a column with a frame mounted upon it.  
The frame carries an arm with a welding head placed on supporting rollers. To  
maintain a constant position of the electrode in respect to the seam surface, the  
welding head and arm are connected to one another by a hinge and a spring (see Fig. 1).  
The latter assures a constant contact between the rollers and the boiler shell. The  
welding head is hinged to the bearing rollers which are rigidly connected to one  
another.

UDC: 621.791.037-477

Card 1/2

ACC NR: AP7001401

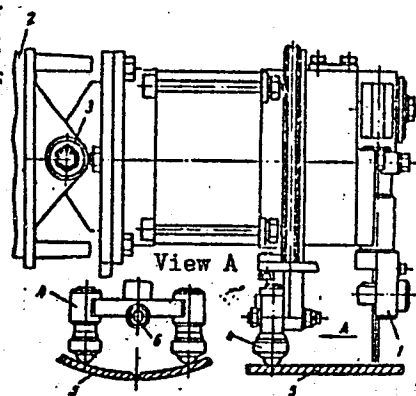


Fig. 1. 1 - welding head; 2 - arm; 3 - arm hinge; 4 - bearing rollers; 5 - boiler shell; 6 - hinge

Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 11Oct65

Card 2/2

I 07452-67 EWT(d)/FSS-2  
ACC NR: AP6035857

(N)

SOURCE CODE: UR/0413/66/000/020/0060/0061

INVENTOR: Alekseyenko, A. Ya.; Kanonykhin, N. M.

32  
B

ORG: none

TITLE: Radio relay line. Class 21, No. 187100 [announced by the Military Engineering Academy im. F. E. Dzerzhinskiy (Voyennaya inzhenernaya akademiya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 60-61

TOPIC TAGS: radio relay, radio transmitter, radio receiver, antenna polarization

ABSTRACT: An Author Certificate has been issued for a radio relay system with passive relays that use scattering radiators which consist of a metallic grid made with parallel conductors. To decrease fading, the conductors of the passive radiator are placed at a 45° angle to the polarization plane of the transmitting antenna. The receiving antenna has a polarization plane that is rotated 90° with respect to the transmitting antenna. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 29Sep65/ ATD PRESS: 5104

Card 1/1 LS

UDC: 621.396.75



SOV/138-58-12-6/17

AUTHORS: V.V. Matveyev, A.P. Pisarenko, B.I. Alekseyenko

TITLE: Semi-Automatic Presses Type "MPS" and "MPA" for  
Vulcanisation of Rubber Components (Press-poluavtomat  
"MPS" i "MPA" dlya vulkanizatsii rezinovykh izdeliy)

PERIODICAL: Kauchuk i Rezina, 1958, Nr 12, pp 17-21 (USSR)

ABSTRACT: The article illustrates and describes an 18 press-station  
turntable machine for moulding components such as rubber  
soles. The MPA machine is an improved version of the  
earlier MPS machine designed by the authors at the  
"Institute of Artificial Leather" and built by the  
Medvedev factory at Orel. The 18 mould platens are  
heated by steam with pressure up to 175 psi available;  
the area of the heated platens is 510 x 345 mm.  
Pressure is applied hydraulically, and two-stage  
pressure is available for dealing with micro-porous  
material. Maximum available pressure on the platens  
is 80,000 Kg. The speed of the turntable can be con-  
trolled between 4 and 15 revolutions per hour giving  
vulcanization cycles from 4 to 16 minutes. Vulcanizing  
time, temperature, and pressure are all automatically

Card 1/3

SOV/138-58-12-6/17

Semi-Automatic Presses Type 'MPS' and 'MPA' for Vulcanization of Rubber Components

controlled. The moulds are loaded and unloaded at one station (seen on the left hand side of the sectional diagram in Fig 2). At this station a cam operates the valves in the distribution box below each of the moulding presses, the top platten is raised, and the mould withdrawn in a radial direction by a hydraulic ram. A feature of the machine is the multiplication of hydraulic pressure by differential areas of the rams of the presses, so that some stations working at low pressure can provide a high pressure supply for other stations. This automatic plant mechanizes 10 of the 12 operations normally carried out by hand in conventional moulding plant, gives a much more consistent product, higher

Card 2/3

Semi-Automatic Presses Type 'MPS' and 'MPA' for Vulcanization of Rubber Components

SOV/138-58-12-6/17

output (2½ times conventional output per man-hour moulding micro-porous soles), and economizes floor space.

There are 2 figures and 16 references (10 Soviet, 6 English)

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennoy kozhi (All-Union Scientific Research Institute of Artificial Leather)

Card 3/3

L 41333-66 EWT(m)/EWP(t)/ETI IJP(c) JD/WW/JW

ACC NR: AP6025584

SOURCE CODE: UR/0413/66/000/013/0012/0018

AUTHORS: Skvortsov, G. A.; Karavayov, M. M.; Kirillov, I. P.; Ford, M. L.;  
Aleksevenko, D. A.; Kaganskiy, I. M.

ORG: none

TITLE: A method for obtaining nitric acid. Class 12, No. 183194 /announced by  
Severodonets Branch of State Scientific Research and Design Institute of the Nitrogen  
Industry and of the Products of Organic Synthesis (Severodonetskiy filial  
Gosudarstvennogo nauchno-issledovatel'skogo i proyektного instituta azotnoy  
promyshlennosti i produktov organicheskogo sinteza)

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 18

TOPIC TAGS: nitric acid, nitrogen compound, nitric acid *oxide*

ABSTRACT: This Author Certificate presents a method for obtaining nitric acid under  
the pressure of 5--10 atm, out of nitrogen oxides in the system of condensation of water vapors.  
To increase the concentration of nitric acid, the unreacted nitrogen oxides are  
absorbed by the produced acid at a temperature no higher than -50, bleached, and used  
to strengthen the acid at a temperature of 25--450 in the absorption part of the  
bleaching column. [04]

SUB CODE: 07/ SUBM DATE: 13Apr64/ ATD PRESS: 5058

Card 1/1

11b

UDC: 661.562.05

**ALEKSEYENKO, D.M.**

Simplify the forms used by the Construction Finance Plan and for  
estimate documents. Avt.dor. 18 no.1:31 Ja-F '55. (MIRA 8:4)  
(Roads--Finance)

1. ALEKSEYENKO, F. M. ~~SECRET~~
2. USSR (600)
4. DDT
7. Experiment in using DDT (pentachlorin) in apiaries for killing *Senotainia tricuspis* Meig flies. Nauch. trudy UIEV 18, 1951.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

ALEKSEYENKO, -F. M.

Bees - Disease

Course and diagnosis of infection of bees, caused by *Senatoinia tricuspis*, Pcheloovedstvo, 29, 5: 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 195<sup>2</sup>3, Uncl.

ALEKSEYENKO, F. M. Cand Vet Sci -- (diss) "Sanasine treatment of bees <sup>afflicted</sup> with  
*foul brood* European ~~brood~~." Khar'kov, 1957. 17 pp 20 cm. (Min of Agr USSR. Khar'kov Vet  
Inst), 100 copies. (KL, 15-57, 107)



ALEKSEYENKO, F. M.

Bolenzi pchel (Bee diseases). Second revised and supplemented edition. Kiev, Gossel'khozizdat Ukrainian SSR. 1959, 71 pages with illustrations. Price 95 kop. 17,300 copies. In the Ukrainian language.

ALEKSEYENKO, F.M.

[Bee diseases] Khvoroby bdzhil. 2. vypravlene i dop. vyd.  
Kyiv, Derzh.vyd-vo sil'skokhospodars'koi lit-ry Ukrain's'koi  
RSR, 1959. 69 p. (MIRA 15:7)  
(Bees--Diseases and pests)

ALEKSEYENKO, F.P.

Shaping of blanks on forging rolls. Kuz.shtam.proizv. 3 no.6:13-17  
Je '61. (MIRA 14:6)  
(Forging)

ALEKSEYENKO, F.P.; KAUFMAN, K.M.

Roll forging of fitting tools. Kuz.-shtam. proizv. 3 no. 8:26-28  
Ag '61.

(Forging)

(MIRA 14:8)

YARMOLINSKIY, M.B.; ZDANOVICH, I.L.; BRENNAN, M.A.; ALEKSEYENKO, F.P.

Use of granulated coal in the sugar refining industry. Sakh.  
prom. 35 no.12:21-26 D '61. (MIRA 15:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut sakharnoy  
promyshlennosti.

(Sugar manufacture)

(05:15)

ALEKSEYENKO, F.P.

Coefficient of elongation during shape forming on rollers. Kus.  
shtam. proizv. 4 no.5:13-14 My '62. (MIRA 16:5)  
(Metalwork)

KAMYSHEV, G.N.; ALEKSEYENKO, G.G.

Making 14GN steel in a 370-ton open-hearth furnace. Metallurg 9  
no.5:15-16 My '64. (MIRA 17:8)

5(2)

SOV/78-4-8-27/43

AUTHORS: Badayeva, T. A., Alekseyenko, G. K.

TITLE: The Phase Diagram of the System Thorium-Zirconium (Diagramma sostoyaniya sistemy toriy - tsirkoniy)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 8, pp 1873-1880 (USSR)

ABSTRACT: The assumptions of the shape of the liquidus curve which were made in the earlier publications were examined by the authors because they differed from one another and because they were not experimentally confirmed. The alloys produced from pure thorium and zirconium iodide (analyses in Table 1) were hardened at different temperatures (Table 2). Their microstructure (Figs 2,3) was investigated, their hardness (Fig 6) was measured, moreover, the X-ray pictures were taken. On the basis of the experimental data the phase diagram (Fig 1) was constructed.  $\beta_{Th}$  and  $\beta_{Zr}$  form at high temperatures an uninterrupted series of solid solutions with a volume centered cubic crystal lattice. In the case of strong hardening (1000°) the volume centered lattice is preserved only in the alloy with 73.93 and 77.50 at% Zr. In the other alloys the transformation

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SOV/78-4-8-27/43

The Phase Diagram of the System Thorium-Zirconium

of the volume centered cubic lattice into a surface centered cubic lattice of  $\alpha'_{Th}$  takes place. The alloys with 40-70 at% Zr decompose into two solid solutions with surface centered cubic lattice of  $\alpha_{Th}$  and  $\alpha'_{Th}$ . In alloys with 84.0-91.27 atom% Zr a martensite transformation takes place in the hardening:  $\beta_2 \rightarrow \alpha_{Zr}$ . At 945° and 54 atom% Zr the solid solution (with volume centered lattice) is decomposed into two solid solutions with different Zr content which are immiscible between 945-920° ( $\beta_1 + \beta_2$ ). At 920° and 40 at% Zr a monotectoid transformation may be observed:  $\beta_2 \rightleftharpoons \alpha_{Th} + \beta_2$ . The phase  $\alpha_{Th}$  contains 14 at% Zr, phase  $\beta_2$  69.5 at% Zr. Between 920 and 1350° the  $\alpha_{Th}$ -phase (with surface centered cubic lattice) is separated from the solid solution of thorium in zirconium (with volume centered cubic lattice) by a two-phase-range  $\alpha_{Th} + \beta_1$  which rapidly decreases with increasing temperature. At 650° and 86 at% Zr a eutectoid decomposition of the solution

Card 2/3

SOV/78-4-8-27/43

The Phase Diagram of the System Thorium-Zirconium

according to the scheme  $\beta_2 \rightleftharpoons \alpha_{\text{Th}} + \alpha_{\text{Zr}}$  takes place. There are 6 figures, 2 tables, and 2 references.

SUBMITTED: May 14, 1958

Card 3/3

33903  
S/640/61/000/000/024/035  
D205/D302

21.2100  
19.12.83

AUTHORS: Badayeva, T. A. and Alekseyenko, G. K.

TITLE: Phase diagram of the thorium-zirconium system

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Stroyeniye splavov nekotorykh sistem s uranom i toriyem. Moscow, Gosatomizdat, 1961, 369-380

TEXT: Although this system has already been investigated, certain discrepancies are found between data published by various investigators and, therefore, additional work on the system is justified. The alloys were prepared from 99.7% pure Th and 99.85% pure Zr, by direct smelting in an arc furnace in chemically pure argon. All alloys were subjected to a homogenizing annealing at 1000°C for 72 hours. The alloys of all concentrations were quenched from 1000, 900, 800, 700, 600, 550 and 525°C. The alloys in the Zr concentration range 30 - 75 at.-% were additionally explored at 920, 930, 940 and 950°C and those in the 3 - 23% range at 1050, 1075, 1100, 1150, 1200, 1250 and 1300°C. Microstructure and X-ray analysis was

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33903

S/640/61/000/000/024/035  
D205/D302

Phase diagram of ...

performed on the samples along with hardness measurements. The resulting phase diagram is presented. At high temperatures the  $\beta$ -modifications of Th and Zr form a continuous series of solid solutions based on the body-centered cubic lattice. At rapid quenching this lattice is preserved only on alloys containing 73.93 and 77.50% Zr. In other regions the body-centered cubic lattice is changed into face-centered. In alloys with 40 - 70% Zr the alloys decompose into two solid solutions. In alloys with 84.0 - 96.27% Zr martensitic transformations take place during hardening. At 945°C and 54% Zr the solid solution based on the body-centered cubic lattice decomposes into 2 solid solutions with differing Zr content which are immiscible in the 945 - 920°C range. At 920°C and 40% Zr a monotectoidal transformation of one of the solid solutions takes place. In the whole 920 - 1380°C temperature range, the solid solution on the face centered lattice basis ( $\alpha$ -Th) is divided from the region of solid solution on the body-centered lattice basis by a two-phase region narrowing with rising temperature. At 650°C and 86% Zr the solid solution (body-centered) decomposes eutectoidally. There are 6 figures, 2 tables and 2 non-Soviet-bloc

Card 2/3

33906  
S/640/61/000/000/027/035  
D205/D302

21.2100

AUTHORS: Badayeva, T. A. and Alekseyenko, G. K.

TITLE: Structure of alloys of the system thorium-zirconium-uranium

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Stroyeniye splavov nekotorykh sistem s uranom i toriyem. Moscow, Gosatomizdat, 1961, 395-415

TEXT: The specimens were prepared by smelting directly together in an arc furnace of 99.7% pure Th, iodide Zr 99.85% and U 99.78%. An atmosphere of chemically pure A was maintained. The alloys were subjected to a homogenizing annealing at 1000°C in evacuated quartz ampoules. The alloys were then quenched from 1000, 960, 930, 915, 800, 750, 700, 640 and 550°C and investigated for microstructure, hardness and lattice parameter. The hardness was measured on a TН (TP) apparatus using a 10 kg load, the X-ray patterns were taken using Fe-K $\alpha$  radiation. Isothermic sections were constructed for the above hardening temperatures. The phase diagram in the

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33906

Structure of alloys ...

S/640/61/000/000/027/035  
D205/D302

read as follows: F. A. Rough and A. A. Bauer, Constitution of Uranium and Thorium Alloys, Report BMJ-1300, UC-25 Metallurgy and Ceramic (TJD-4500 13th Ed., rev.) Bat. Mem. Inst., Columbus, Ohio, 1958.

Card 3/3

ALEKSEYENKO, G.K.

S/089/61/010/004/025/027  
B102/B205

AUTHOR: G. Z.

TITLE: IV All-Union Conference on Physico-chemical Analysis

PERIODICAL: Atomnaya energiya, v. 10, no. 4, 1961, 406-407

TEXT: The IV Vsesoyuznoye soveshchaniye po fiziko-khimicheskomu analizu (IV All-Union Conference on Physico-chemical Analysis), convened by the Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova AN SSSR (Institute of General and Inorganic Chemistry imeni N. S. Kurnakov, AS USSR) and the Institut metallurgii im. A. A. Baykova AN SSSR (Institute of Metallurgy imeni A. A. Baykov, AS USSR), was held from December 6 to 10, 1960 on the occasion of the 100th anniversary of the birthday of N. S. Kurnakov. Part of the 142 reports made at the Conference dealt with problems of the atomic industry, including reports on the physico-chemical analysis of thorium, uranium, plutonium, and their alloys, as well as of zirconium and beryllium (O. S. Ivanov); "radiation phenomena and new problems of physico-chemical analysis" (V. I. Spitsyn); structure and constitution diagrams of the ternary systems thorium - zirconium - uranium

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IV All-Union Conference...

S/089/61/010/004/025/027  
B102/B205

(G. K. Alekseyenko and T. A. Badayeva), uranium - molybdenum - zirconium (G. N. Bagrov), uranium - zirconium - niobium (L. I. Gomozov), uranium - niobium - molybdenum (G. I. Terekhov); and physico-chemical analysis of metallic system with rare metals (Ye. M. Savitskiy). V. F. Terekhova reported experimental and theoretical data on rare-earth alloys and presented new constitution diagrams of alloys of yttrium, neodymium, and gadolinium with magnesium, of yttrium and neodymium with aluminum, and of gadolinium with iron and nickel; furthermore, she described the properties of the latter. M. A. Tylkina held a report on tests of alloys of rhenium, tantalum, and tungsten, and also on reactions between these alloys and elements of the 4th, 5th, 6th, 7th, and 8th group.

Card 2/2



- ...voys i splavov u ... toriya i ...; ...  
 ... and Properties of Uranium, Thorium, ... Zirconium  
 ...; Collection of Articles; Moscow, Gosatomizdat, 1963.  
 ... 2000 copies printed.  
 Badayeva, T. A., and G. K. Alekseyenko. Structure of  
 Alloys of the Thorium-Zirconium-Niobium System  
 32. Badayeva, T. A., and G. K. Alekseyenko. Corrosion Prop-  
 erties of Thorium-Zirconium-Niobium Alloys  
 33. Badayeva, T. A., and L. I. Rybakova. Structure of  $\text{ThSi}_2$ -U<sub>3</sub>  
 Alloys

### PART III. ZIRCONIUM-BASE ALLOYS

- Badayeva, T. A., and L. I. Rybakova. Structure of Binary  
 Zirconium-Bismuth and Zirconium-Lead Alloys in the Solid  
 State  
 35. Terekhov, G. I., and O. S. Ivanov. Phase Diagram of the  
 Zirconium Corner of the Zirconium-Chromium-Tin System

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ALEKSEYENKO, G. A.

Badayeva, T. A., and R. I. Kuznetsova. Structure and Properties of Uranium, Thorium, and Zirconium Alloys; Collection of Articles, Moscow, Gosatomizdat, 1963.  
2000 copies printed.

PART II. THORIUM-BASE ALLOYS

21. Badayeva, T. A., and R. I. Kuznetsova. Structure of Th-Zr Alloys 243
22. Badayeva, T. A., and R. I. Kuznetsova. Strengthening of Thorium with Carbon 244
23. Badayeva, T. A., and G. A. Alekseyenko. Effect of the Cooling Rate on  $\omega$ -Phase Formation in Thorium-Zirconium-Uranium Alloys 245
24. Badayeva, T. A., and G. A. Alekseyenko. Mechanical and Corrosion Properties of Thorium-Zirconium and Thorium-Zirconium-Uranium Alloys 246
25. Badayeva, T. A., and R. I. Kuznetsova. Structure and Corrosion Properties of Alloys of the Thorium-Zirconium-Titanium System 257

Card 7/10

BADAYEVA, T. A.; ALEKSEYENKO, G. K.; KUZNETSOVA, R. I.

"Structure and properties of ternary alloys containing thorium."

report submitted for 3rd Intl Conf, Peaceful Uses of Atomic Energy, Geneva,  
31 Aug-9 Sep 64.

ALEKSEYENKO, G.M., inzh.

Taking apart a protective pillar during the deepening of a  
vertical shaft. Shakht. stroi. 8 no.4:27-28 Ap'64.  
(MIRA 17:7)

1. Kadiyevskoye shakhtostroitel'noye upravleniye.

L 22594-66 EWT(d)/EWP(k)/EWP(1)

ACC NR: AP6012999

SOURCE CODE: UR/0105/65/000/006/0090/0090

AUTHOR: Alekseyenko, G. V.; Borisenko, N. I.; Voyevodin, I. D.; Drozdov, N. G.; Krayz, A. G.; Man'kin, E. A.; Mayorets, A. I.; Nekrasov, A. M.; Nayashkov, I. S.; Pavlenko, A. S.; Rokotyan, S. S.; Sobolev, A. A.; Syromyatnikov, I. A.; Sapozhnikov, A. V.; Sarkisov, M. A.; Chernichkin, D. S.; Chertin, A. M.

ORG: none

TITLE: S. I. Rabinovich (on the occasion of his 60th birthday)

SOURCE: Elektrichestvo, no. 6, 1965, 90

TOPIC TAGS: electric engineering personnel, electric transformer, hydroelectric power plant

ABSTRACT: The chief specialist of transformer building of the Gosplan (State Planning Commission) USSR, Samuil Isaakovich Rabinovich was born in 1905 in the town of Borisoglebsk of the Voronezh Oblast'. From his student years at the Gosudarstvennyy elektromashinostroitel'nyy institut (State Machine-Building Institute) he already showed interest for power transformers. In the early thirties he designed the first types of domestic Soviet 110 and 220 kV transformers; in 1939 he became the chief designer of the Moskovskiy transformatornyy zavod (Moscow Transformer factory). In 1946, he conducted the design and construction of lightning-resistant transformers; during 1949-1954,

Card 1/2

UDC: 621.314(092)

L.22594-66

ACC NR: AP6012999

he headed the design of the 400 kV transformer equipment for the Volzhskaya hydroelectric power station - Moscow power line; his subsequent work on the 500 kV equipment earned him the Lenin prize. From 1960, he has been working at the Gosplan USSR. He is also a member of the editorial board of the journal Elektrichestvo (Electricity). Orig. art. has: 1 figure. [JPRS]

SUB CODE: 10, 09 / SUBM DATE: none

Card 2/2 *441*

ALEKSEYENKO, G.Ye., inzh.

Graphical determination of voltage along a compensated line without losses with intermediate power take-off and take-off determined by given static characteristics. Izv.vys.ucheb.zav.; energ. 5  
no.5:15-19 My '62. (MIRA 15:5)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiiy institut imeni S.M.Kirova. Predstavlena nauchnym seminarom kafedry teoreticheskikh osnov elektrotekhniki.  
(Electric power distribution)

ALEKSEYENKO, G.Ya., inzh.; TOLPYGO, O.B., kand.tekhn.nauk

Some stationary processes in compensated electric power  
transmission lines with intermediate power takeoff.  
Izv. vys. ucheb. zav.; energ. 5 no.10:1-4 O '62. (MIRA 15:11)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiiy  
institut imeni S.M. Kirova. Predstavlena nauchnym seminarom  
kafedry teoreticheskikh osnov elektrotekhniki.

(Electric power distribution)

(Electric lines--Overhead)



ALEKSEYENKO, G.Ye.; TOLPYGO, O.B.

Steady-state conditions of compensated electric power transmission  
lines with intermediate power takeoff. Trudy Transp. energ. inst. Sib.  
otd. AN SSSR no.14:116-119 '62. (MIRA 16:9)  
(Electric power distribution)

ALEKSEYENKO, I. A.

PA 7/49T77

USSR/Mining Methods  
Efficiency, Industrial

Aug 48

"Every Member of the Crew a Coal Expert," I. A.  
Aleksyenko, Engr, 'Proletarskaya Krutaya' Shaft, 1 p

"Ugol'" No 8 (269)

Describes methods used for achieving high output in  
one section of his pit.

7/49T77

ALEKSEYENKO, I. G.

137-1958-3-4547

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 11 (USSR)

AUTHOR: Alekseyenko, I. G.

TITLE: Rock Washing Machines in the Washing of Sands (Mekhanicheskiye kamnemoyki na promyvke peskov)

PERIODICAL: Kolyma, 1957, Nr 5, pp 34-45

ABSTRACT: A description of the design of scrubber rock washers of the endless screw type, and of a rock washer equipped with a conical drum. Installation methods are also shown.

A. Sh.

Card 1/1

Alekseyenko, I. G.

137-1958-2-2247

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 5 (USSR)

AUTHOR: Alekseyenko, I. G.

TITLE: A Call for Strict Adherence to the Standard Technology Relative to Washing Apparatus (Strogo soblyudat' tekhnologicheskij rezhim na promyshlennykh priborakh)

PERIODICAL: Kolyma, 1957, Nr 6, pp 9-11

ABSTRACT: Bibliographic entry

1. Mining equipment--Inspection

Card 1/1

YEGUPOV, P.Ye.; KARPOVICH, N.V.; ALEKSEYENKO, I.G.

Assaying pebbles from washery equipment tailings. Kolyma 21  
no.1:15-18 Ja '59. (MIRA 12:6)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut zolota i redkikh  
metallov, Magadan (for Yegupov). 2.Gornoye upravleniye Magadanskogo  
sovnarkhoza (for Karpovich, Alekseyenko).  
(Ore dressing) (Gold--Assaying)

ALEXSEYENKO, I.P.; MOMOT, I.A.; ZDORIK, A.P.

Stamp for making links from wire for combine chains.  
no.12:28-29 D '55.

(Chains) (Metalworking machinery)

Sel'khoz mashina  
(MLRA 9:3)

ALEKSEYENKO, I.P., dotsent, redaktor; SHAMRAY, Ye.F., professor, redaktor;  
CHAYKA, Ye.I., professor, redaktor; MAN'KOVSKIY, B.N., professor,  
redaktor; CHERKES, A.I., professor, redaktor; PRIMAK, F.Ya., professor,  
redaktor; LIKHTENSHTEYN, Ye.I., dotsent, redaktor; FROL'KIS, V.V.,  
dotsent, redaktor; GLUZMAN, F.A., redaktor; LOKHMATYY, Ye.G.,  
tekhnicheskij redaktor

[Pathology of the cardiovascular system in clinical treatment and  
experiment] Patologiya serdechno-sosudistoi sistemy v kliniki i  
eksperimente. Kiev, Gos. med. izd-vo USSR, 1956. 241 p. (MLRA 10:2)

1. Kiyev, Meditsinskiy institut imeni A.A.Bogomol'tsa. 2. Deyatvitel'-  
nyy chlen Akademii meditsinskikh nauk SSSR (for Man'kovskiy) 3.  
Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Cherkas)  
(CARDIOVASCULAR SYSTEM--DISEASES)

ALEKSEYENKO, I.P., dots., red.; GARKUSHA, L.V., dots, red.; GURVICH, S.S., dots., red.; KOSTRYUKOVA, K.Yu., prof., doktor biol.nauk, red.; SIROTININ, N.N., prof., red.; FROL'KUS, V.V., dots., red.; TREYGERMAN, I.I., tekhn.red.

[Philosophical problems in medicine and natural sciences] Nekotorye filosofskie voprosy meditsiny i estestvoznaniia; trudy Instituta. Kiev, 1957. 172 p. (MIRA 11:6)

1. Kiev. Meditsinskiy institut imeni A.A.Bogomol'tsa. 2. Direktor Kiyevskogo ordena Trudovogo Krasnogo znameni meditsinskogo instituta imeni akademika A.A.Bogomol'tsa (for Alekseyenko). 3. Deyatvitel'nyy chlen AMN SSSR (for Sirotinin)  
(MEDICINE--PHILOSOPHY)  
(SCIENCE--PHILOSOPHY)



ALEKSEYENKO, I.P., red.

[Problems in the prevention and treatment of injuries] Voprosy  
profilaktiki i lecheniia travm. Kiev, Gosmedizdat, 1958. 354 p.  
(MIRA 13:9)

1. Kiyev. Meditsinskiy institut.  
(WOUNDS)

ALEKSEYENKO, Ivan Pimenovich, dotsent; LIKHTENSHTEYN, Ye.I., red.;  
GITSHTEYN, A.D., tekhnred.

[Studies on Chinese popular medicine] Ocherki o kitaiskoi  
narodnoi meditsine. Kiev, Gos.med.izd-vo USSR, 1959. 210 p.  
(CHINA--MEDICINE, POPULAR) (MIRA 13:2)

ALEKSEYENKO, I.P., dotsent; YARALOV-YARALYANTS, V.A., starshiy nauchnyy  
sotrudnik

Status of orthopedic traumatological aid and measures for its  
improvement in Provinces of the Western Ukraine. Ortop. travm.  
i protez. 21 no. 9:38-44 S '60. (MIRA 13:12)

1. Iz Kiyevakogo nauchno-issledovatel'skogo instituta ortopedii i  
travmatologii (dir. - dotsent I.P. Alekseyenko).  
(UKRAINE, WESTERN-ORTHOPEDICS)

ISHCHENKO, I.N., prof., zasluzhennyy deyatel' nauki, otv.red.; PARKHOMENKO, V.N., dotsent, red.; ALEKSEYENKO, I.P., dotsent, red.; BRATUS', V.D., dotsent, red.; KOLOMIYCHENKO, M.I., prof., zasluzhennyy deyatel' nauki, red.; NOVACHENKO, N.P., prof., zasluzhennyy deyatel' nauki, red.; FEDOROVSKIY, A.A., prof., red.; LEVCHUK, G.A., red.; LOKHMATYY, Ye.G., tekhred.

[Transactions of the Ninth Congress of Ukrainian Surgeons] Trudy IX s'yezda khirurgov Ukrainskoy SSR. Kiev, Gos.med.izd-vo USSR, 1960. 645 p.  
(MIRA 14:12)

1. S'yezd khirurgov Ukrainskoy SSR. 9th, Dnepropetrovsk, 1958.
2. Chlen korrespondent AN USSR (for Ishchenko). 3. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Novachenko).  
(UKRAINE--MEDICINE, INDUSTRIAL) (PEPTIC ULCER)  
(PANCREAS--DISEASES) (SURGERY)

USPENSKAYA, V.D.; ALEKSEYENKO, L.P.; RODIONOV, V.M.; SOLOV'YEVA, N.I.

Plasma  <sup>$\alpha_3$</sup>  -proteins from the blood of a dog. Biokhimiia  
26 no.4:673-687 J1-Ag '61. (MIRA 15:6)

1. Institut of Biological and Medical Chemistry Academy of  
Medical Sciences of the USSR, Moscow.  
(BLOOD PROTEINS)

KALYUZHNYI, D.N., prof., otv. red.; ALEKSEYENKO, I.P., red.;  
LAKHNO, Ye.S., red.; MEDVED', L.I., red.; STOVBU, A.T.,  
red.; SUPONITSKIY, M.Ya., red.; NARINSKAYA, A.L., tekhn.  
red.

[Problems of rural hygiene] Voprosy gigieny sela; sbornik  
dokladov. Pod red. D.N.Kaliuzhnogo. Kiev, Gosmedizdat  
USSR, 1962. 241 p. (MIRA 16:12)

1. Vsesoyuznaya konferentsiya po probleme "Gigiyena sela."  
lst. 2. Chlen-korrespondent AMN SSSR i Ukrainskiy nauchno-  
issledovatel'skiy institut kommunal'noy gigieny (for  
Kalyuzhnyy). 3. 3. Ukrainskiy nauchno-issledovatel'skiy in-  
stitut ortopedii i travmatologii (for Alekseyenko).  
(PUBLIC HEALTH, RURAL)

ALEKSEYENKO, I.P.

Maks Solomonovich Novik, 1903-1964; an obituary. Ortop., travm.  
i protez. 26 no.2:93 F '65. (MIRA 18:5)

ALEKSEYENKO, I.P., dotsent; LEVENETS, V.N., kand. med. nauk; KRUK, Z.V.

State of the medical care for invalids of the Great Patriotic War  
in the Ukrainian S. S. R. Ortop., travm. i protez. 26 no.2:42-46  
F '65. (MIRA 18:5)

1. Adres avtorov: Kiyev, ul. Vorovskogo, d.27, Institut Ortopedii  
i travmatologii.



NESTERVODSKAYA, Ya.M.; ~~ALEXSEYENKO, I.S.~~

Mass detection of the mite *Dermanyssus avium et gallinae* in a Kiev institution. Med.paraz. i paraz.bol. 25 no.3:269-270 J1-S '56.

(MLRA 9:10)

1. Iz parazitologicheskogo otdela Kiyevskoy gorodskoy sanitarno-epidemiologicheskoy stantsii (glavnyy vrach F.I.Yuvshenko) i kozhnogo dispansera bol'nitsy Leninskogo rayona Kiyeva (glavnyy vrach A.M.Bondarchuk)  
(KIEV--MITES)

ALEKSEYENKO, I.Ye., inzh.; DAVIDOVSKIY, M.M., inzh.

Repairing buttresses of suction pipes. Gidr.stroi. 30 no.8;  
18-21 Ag '60. (MIRA 13:8)  
(Dnieper Hydroelectric Power Station)

AD ROSEN, L.

Prevent accidents in operating automotive cranes in the vicinity of  
electric lines. Bezop.truda v prom. 5 no.1:30-32 Ja '61.

(HHA 14:2)

(Cranes, derricks, etc.--Safety measures)

~~AAAA SLURAC~~

DROZDOV, I.; ALEKSEYENKO, I.

~~Stroi. mat.~~  
Reed grass is a valuable raw material for making wood fiber slabs.  
Stroi.mat., izdel. i konst. 1 no.10:19-22 0 '55. (MLRA 9:1)  
(Building materials)

ALEKSEYENKO, L.

Our work. Sov. torg. 34 no.9:10-13 S '61.

(MIRA 14:9)

1. Direktor magazina No.8 "Detskaya odezhda" v Minske.  
(Minsk---Children's clothing)  
(Clerks {Retail trade})

ALEKSEYENKO, L.A.

USSR/Physical Chemistry - Kinetics. Combustion. Explosives. Topochemistry.  
Catalysis, B-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61083

Author: Alekseyenko, L. A.

Institution: None

Title: Thermal Decomposition of Lead Nitrate

Original

Periodical: Tr. Tomskogo un-ta, 1954, 126, 11-19

Abstract: Study of the velocity of thermal decomposition of  $\text{Pb}(\text{NO}_3)_2$  (I) at temperatures  $300^\circ\text{--}600^\circ$ . On decomposition of I at  $350^\circ\text{--}370^\circ$  take place regularities typical of topochemical kinetics: induction period, formation of nuclei of new phase ( $\text{PbO}$ ), localization of process within reaction zone, catalysis by products of decomposition ( $\text{NO}_2$ ). The reaction starts at the surface, extending inside the crystal of I; decomposition proceeds not to completion but to a state of equilibrium. On decomposition of I in a sealed tube at  $360^\circ$  following cooling there is observed a reverse reaction with

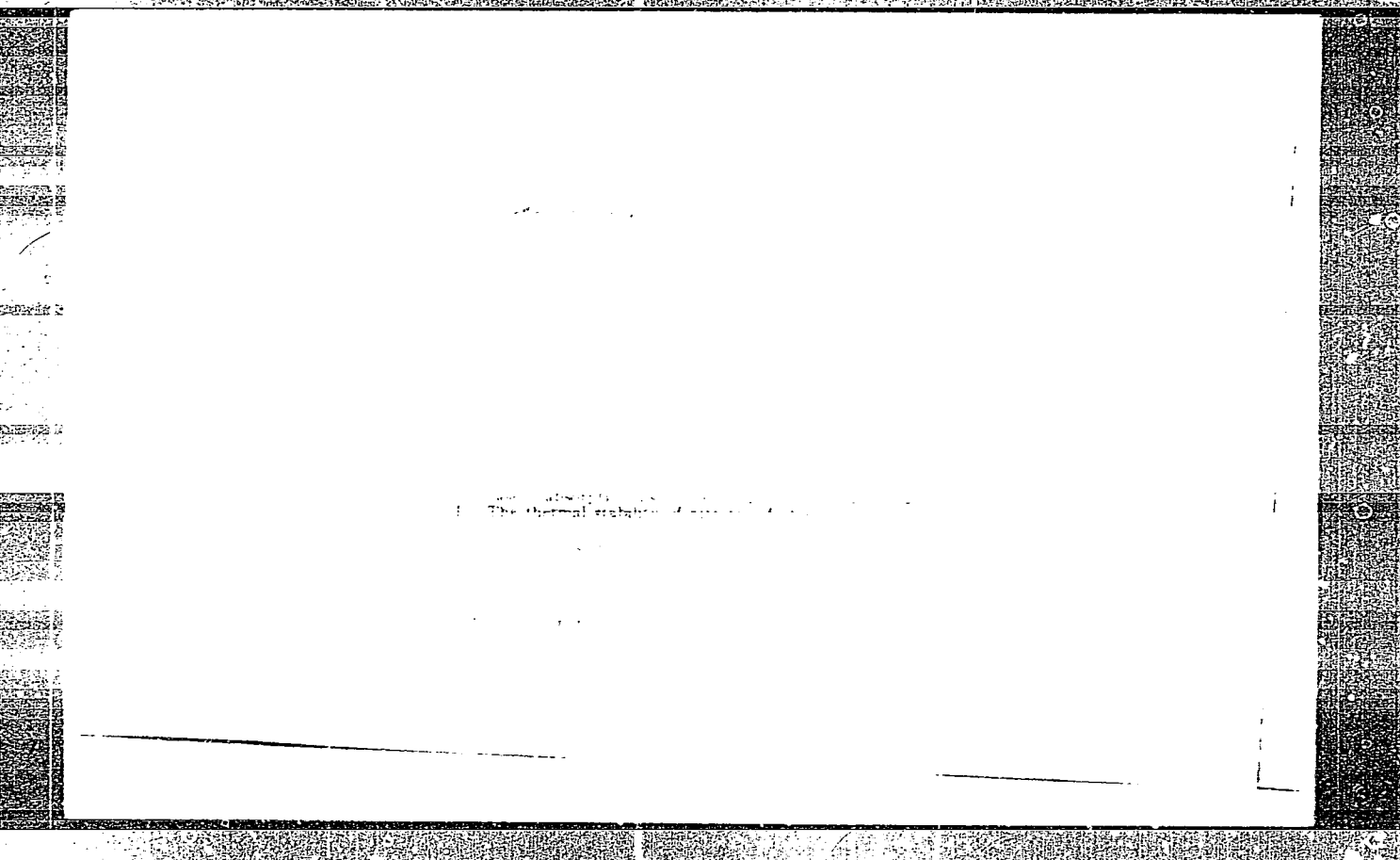
Card 1/2

USSR/Physical Chemistry - Kinetics. Combustion. Explosives. Topochemistry.  
Catalysis, B-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61083

Abstract: formation of I from PbO. On aging of preparations of I in air the  
velocity of their decomposition decreases.

Card 2/2





Thermographic investigation of granulated ammonium nitrate with inorganic additives

I. A. Alekseenko, V. I. Rukhovich, Zhukovskiy, Khim. 29, 529 (1976)

Granulated  $\text{NH}_4\text{NO}_3$  was investigated before and after granulation with additives. After 1 yr. storage, granulated with additives and with  $\text{H}_2\text{O}$  and  $\text{NH}_4\text{NO}_3$  were investigated.

$\text{NH}_4\text{NO}_3$  poured and stored rapidly in a thin layer, and after 6 yrs. storage, granulated with additives, after 1 yr. after  $\text{H}_2\text{O}$  and  $\text{NH}_4\text{NO}_3$  granulated with additives, and moisture added to the granulated form. The moisture added to the (3) mixt. All curves show the endothermic max. at 85.98° and 125.130° corresponding to the transitions of forms III  $\rightarrow$  II and II  $\rightarrow$  I. The end max. at 50° appears in all curves except (6); this suggests that the max. at 50° is due to the transition of IV  $\rightarrow$  II since the modification IV was absent. The fourth min. at 32° corresponds to the transition III  $\rightarrow$  I is distinct in all thermograms except (5), (6), and (7); it is weaker in (2) than in (1) and extremely slight in (3) and (4). It is more pronounced in (8), (10), (11), and in (12) than in (1). The additives did not modify the x-ray pattern of  $\text{NH}_4\text{NO}_3$ . The absence of the 32° min. in (6) and in (7), indicating the absence of the transition IV  $\rightarrow$  II, suggest rapid cooling and low moisture content as effective means for the decrease of caking.

I. Rencowitz

BOLDYREV, V.V.; ~~ALEKSEYENKO, L.A.~~

Heating curves for slightly deteriorated ammonium saltpeter  
containing inorganic additions. Zhur.prikl.khim. 29 no.9:  
1316-1323 S '56. (MLRA 9:11)

1. Kafedra neorganicheskoy khimii Tomskogo Gosudarstvennogo  
universiteta imeni V.V. Kuybysheva.  
(Ammonium nitrate)

SOV/137-58-11-21958

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 11, p 18 (USSR)

AUTHOR: Alekseyenko, L. A.

TITLE: The Effect of the Nature of the Bond on the Resistance of Solids to Heat (Vliyaniye prirody svyazi na termicheskuyu ustoychivost' tverdykh veshchestv)

PERIODICAL: Dokl. 7-y Nauchn. konferentsii, posvyashch. 40-letiyu Velikoy Oktyabr'sk. sots. revolyutsii. Nr 2. Tomsk, Tomskiy un-t, 1957, pp 151-152

ABSTRACT: The thermal stability of solids displays a regular relationship to their position in the periodic system. Consideration of changes in the nature of the bond of substances in particular classes is possible, if polarization concepts are employed. Topochemical processes of thermal decomposition of nitrates, chlorates, carbonates, permanganates, sulfates, crystal hydrates and ammoniates of various salts are subjected to experimental study. The role of polarization phenomena is studied as it applies to these processes, and it is compared to the change in the characteristics of the component parts of the molecule in each class. The change in the nature of

Card 1/2

The Effect of the Nature of the Bond on the Resistance of Solids

SOV/137-58-11-21958

the decomposition with temperature is explained by changes in the polarizing capacity of the cations.

I. K.

Card 2/2

BOLDYREV, V.V.; ALEKSEYENKO, L.A.; MELOUSOVA, L.A.; CHAYKOVSKAYA, L.I.

Study of the rate of absorption and loss of moisture by  
ammonium nitrate and crystal hydrates of magnesium and calcium  
nitrates. Trudy TGU 145:155-160 '57. (MIRA 12:3)

1. Kafedra neorganicheskoy khimii Tomskogo gosudarstvennogo  
universiteta imeni V.V. Kuybysheva.  
(Nitrates) (Moisture)

5(2)

SOV/78-4-6-27/44

AUTHORS: Serebrennikov, V. V., Ivanova, Ye. I., Alekseyenko, L. A.

TITLE: On the Compounds of Cerium Salts With Pyridine and Quinoline  
(O soyedineniyakh soley tseriya s piridinom i khinolinom)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 6,  
pp 1377 - 1381 (USSR)

ABSTRACT: The interaction between cerium trichloride, cerium sulphate and pyridine and quinoline was investigated as well as the thermal resistance of these compounds and in the case of storage over sulphuric acid of different concentration. The stability of the hexathiocyanogen chromiate of cerium hexapyridine  $[CePy_6][Cr(CNS)_6]$  and that of the hexathiocyanogen chromiate of cerium hexaquinoline  $[Cequin_6][Cr(CNS)_6]$  were investigated. The production of the initial compounds was described in the experimental part, i.e. the production of cerium (III)-chloride of anhydrous cerium sulphate  $Ce_2(SO_4)_3$ , of pyridine, and quinoline and  $[CePy_6][Cr(CNS)_6]$  and  $[Cequin_6][Cr(CNS)_6]$ . Cerium chloride reacts with vaporous

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On the Compounds of Cerium Salts With Pyridine and Quinoline

SOV/78-4-6-27/44

pyridine and quinoline under formation of compounds of different composition. Complexes with 3, 7, and 10 molecules pyridine are formed in the case of a gradual reaction of cerium chloride and pyridine. The course of the interaction of cerium (III)-chloride with vaporous pyridine and quinoline is given in figure 1. Cerium sulphate does not react with vaporous pyridine and quinoline in the temperature range of  $-15 - +20^{\circ}$ . The stability of the pyridine- and quinoline compounds of cerium is investigated. The experiments for the thermal dissociation of these compounds were carried out in a special apparatus which is depicted. The pyridine loss of the compound  $CeCl_3 \cdot 5.26Py$  under a pressure of 11.5 torr at 21, 50, and  $110^{\circ}$  is given in figure 3. The pyridine loss of  $CeCl_3 \cdot 5.26Py$  at  $50^{\circ}$  under a pressure of 460, 163, and 11.5 torr is given in figure 4. The pyridine loss of the compounds  $CeCl_3 \cdot 7.85Py$  and  $CeCl_3 \cdot 9.69Py$  in the case of storage over sulphuric acid of 44 and 84% is given in figure 5. The thermal stability of the compounds  $[CePy_6][Cr(CNS)_6]$  and  $[Cequin]_6 \cdot [Cr(CNS)_6]$  was investigated in

Card 2/3

On the Compounds of Cerium Salts With Pyridine and  
Quinoline

SOV/79-4-6-27/44

the case of a change of pressure and temperature and is given in figure 6. The separation of the heterogeneous amine of the above mentioned compounds during the storage over sulphuric acid of 50 and 95% was investigated. The course of the curves at 60 and 100° shows that the pyridine- and quinoline complexes have different thermal stabilities. The increase of the anion charge removes the bonding strength between cerium and pyridine in the complexes. There are 7 figures and 3 references, 1 of which is Soviet.

SUBMITTED: March 25, 1958

Card 3/3



5(4)

AUTHORS:

SOV/78-4-6-28/44  
Alekseyenko, L. A., Lemenkova, A. F., Serebrennikov, V. V.

TITLE:

On the Loss of the Crystal Water in Sulphates of the Elements of Rare Earths of the Cerium Group (O potere kristallizatsionnoy vody sul'fatami redkozemel'nykh elementov tseriyevoy gruppy)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 6, pp 1382 - 1385 (USSR)

ABSTRACT:

The thermographic and thermogravimetric curves of the octahydrate sulphates of lanthanum, cerium, praseodymium, neodymium, and samarium were plotted in the temperature range of 20 - 270° (Figs 1 and 2). It was found that the separation of the first four and six molecules water increases with the reduction of the ionic radii of the rare earths elements. The temperatures at which four, six, and eight molecules water of the octahydrate sulphates of the rare earths elements of the cerium group are separated are given in table 2. From the thermographic and thermogravimetric investigations it is concluded that the dehydration process in the octahydrate

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On the Loss of the Crystal Water in Sulphates  
of the Elements of Rare Earths of the Cerium Group

SOV/78-4-6-28/44

sulphates of the rare earths elements proceeds very slowly  
and that the separation of the crystallization water has a  
zeolitic character. There are 2 figures, 2 tables, and 3  
references, 1 of which is Soviet.

SUBMITTED: March 25, 1958

Card 2/2

ALEKSEYENKO, L.A.; SAPRINA, G.G.; SEREBRENNIKOV, V.V.

Complex formation in aqueous systems rare earth iodide -  
iodine. Zhur. neorg. khim. 5 no. 12:2824-2826 D '60.

(MIRA 13:12)

(Rare earth iodides) (Iodine)

SEREBRENNIKOV, Viktor Vasil'yevich; ALEKSEYENKO, L.A., dotsent, kand.  
khim. nauk, red.; MORDOVINA, L.G., tekhn. red.

[Chemistry of rare earth elements (scandium, yttrium, lanthanides)  
in two volumes, four books] Khimiia redkozemel'nykh elementov (skandii,  
ittrii, lantanidy) v dvukh tomakh, chetyrekh knigakh. Pod red. L.A.  
Alekseenko. Tomsk, Izd-vo Tomskogo univ. Vol.2. Books 2-4 [Distribu-  
tion in nature, technology, separation methods, and analytic chemistry  
of rare earth metals] Rasprostraneniye v prirode, tekhnologiya, metody  
razdeleniya i analiticheskaya khimiya redkozemel'nykh elementov. 1961.  
800 p. (MIRA 14:11)

(Rare earth metals)

SEREBRENNIKOV, Viktor Vasil'yevich; ALEKSEYENKO, Lyudmila Arsen'yevna;  
MAYDANOVSKAYA, L.G., dots., red.

[Course in the chemistry of rare earth elements; scandium,  
yttrium, lanthanides] Kurs khimii redkozemel'nykh elementov;  
skandii, ittrii, lantanidy. Tomsk, Izd-vo Tomskogo univ., 1963.  
437 p. (MIRA 17:7)

ALEKSEY, K., L.A.; YERMOIAYEV, A.V.; YEL'CHINSKAYA, L.A.

Effect of some additions on the kinetics of the reduction of  
cadmium oxide by hydrogen. Zhur. fiz. khim. 38 no.6:1640-1642  
Je '64. (MIRA 18:3)

1. Tomskiy gosudarstvennyy universitet.

Pure earth perchlorates

perchlorate, erbium perchlorate, ytterbium perchlorate, perchlorate stability, perchlorate lattice structure

ABSTRACT: The thermal stability of rare earth perchlorates was studied in order to de-  
termine the effect of the cationic radii and on the state of the crystal lattice. Dif-

L 59237-65

ACCESSION NR: AP5015016

metal (an exception is cerium perchlorate, which decomposes to the dioxide). The temperature of the start of decomposition was found to decrease in the order La, Nd, Sm, Dy, Ho, Er, Yb. In this is attributed to an enhancement of the polarizing influence of the

temperature of the start of decomposition, this may be explained by an ordering of the decomposition temperature of the perchlorates, followed by rapid cooling of the preparation, causes a decline in thermal stability owing to the fixation of the defects in the crystals. Orig. art. has 4 figures and 3 tables.

... ..



L 09980-67 EWT(m)/EWP(t)/ETI IJP(c) JD/JG  
ACC NR: AP6034152 SOURCE CODE: UR/0076/66/040/010/2546/2550

57

AUTHOR: Bel'kova, M. M.; Alekseyenko, L. A.; Serebrennikov, V. V.

ORG: Tomsk State University im. V. V. Kuybyshev (Tomskiy gosudarstvennyy universitet)

TITLE: The kinetics of the thermal decomposition of perchlorates of the rare earth elements yttrium, scandium, and aluminum

SOURCE: Zhurnal fizicheskoy khimii, v. 40, no. 10, 1966, 2546-2550

TOPIC TAGS: rare earth perchlorate, perchlorate, perchlorate combustion, combustion, combustion kinetics

ABSTRACT: The kinetics of the thermal decomposition of aluminum and rare-earth perchlorates (Sc, Y, La, Ce, Sm, Gd, Ho, Yb, Lu,) was studied in nitrogen at 290—350C. Plots of the amount of decomposition vs time were obtained and the activation energies and rate constants calculated. The results are shown in Table 1. The table shows that the rate constants increase and the activation energies decrease in the series from La to Al and from La to Lu. This is connected

UDC: 541.17+655.39+543.277+661.492

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Card 2/3

L 09980-67

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with the decrease in thermal stability due to the increase of the polarizing action of the cation. At 280C, the mechanism of the thermal decomposition of Ce changes. Orig. art. has: 4 figures, 5 formulas, and 1 table.

SUB CODE: 07/ SUBM DATE: 31Aug65/ ORIG REF: 007/ OTH REF: 004/  
ATD PRESS: 5105

Card: 3/3 *b/p*

PISKAREVA, N.A.; PISAREVA, N.A.; ALEKSEYENKO, L.D.; FEFKOVA, K.I.

Clinical testing of the dry antirabies UF-vaccine on a limited contingent of people. Trudy Len.inst.epid.i mikrobiol. 22:203-206 '61. (MIRA 16:2)

1. Iz antirabicheskoy laboratorii Leningradskogo instituta epidemiologii i mikrobiologii imeni Pastera i pasterovskogo otdeleniya Leningradskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.  
(RABIES—PREVENTIVE INOCULATION)

GOLOVATYY, R.N.; OSHCHAPOVSKIY, V.V.; ~~ALEKSEYENKO~~, L.I.

Coprecipitation of the cations of certain heavy metals in the presence of trilon B. Ukr. khim. zhur. 26 no.6:771-775 '60.

(MIRA 14:1)

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(Metals—Analysis)

(Acetic acid)

ALEKSEYENKO, L.I. [Aleksieienko, L.I.]; ZHOMNIR, S.V.; LIMARENKO, L.N.  
[Lymarenko, L.M.]; NOSENKO, A.Ye. [Nosenko, A.IE.]; PASHKOVSKIY,  
M.V. [Pashkovs'kyi, M.V.]; CHEDZHEMOVA, I.L.

Growing zinc tungstate crystals and studying their optical  
properties. Ukr. fiz. zhur. 10 no.11:1222-1226 N '65.

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1. L'vovskiy gosudarstvennyy universitet imeni I. Franko.  
Submitted Dec. 21, 1964.

MANVELYAN, M.G.; ALEKSEYENKO, L.N.; AVETISYAN, M.K.

Using glazes made with "erevanite" and metasilicate in  
making faience products. Stek.i ker. 17 no.7:28-29  
J1 '60. (MIRA 13:7)

1. Chlen-korrespondent AN Armyanskoy SSR.  
(Glazes) (Pottery)

ALEKSEYENKO, L.N., inzhener.

To the attention of machine builders. Mekh. stroi. 13 no. 12:25 D'56.  
(Building machinery industry) (MIRA 10:1)

NOVIKOV, V. A.

ALEKSEYENKO, I. N.

Light, Millet

"Period During Which Intensity of Light is Critical for Millet"  
Dokl. AN, SSSR 83, No 2, 1952

Leningradskiy Selskokhozyaystvennyy Institut

Rcd. 1 Dec. 1952

SO: Monthly List of Russian Accessions, Library of Congress, August 1952 ~~1953~~, Uncl.



ALEKSEYEV, A.S.

16(1) PHASE I BOOK EXPLOITATION SOV/2660

Vsesoyuznyy matematicheskiy s'ezd. 3rd, Moscow, 1956  
Trudy. t. 4: Kratkoye soderzhanie sektsionnykh dokladov. Doklady  
Inostrannykh uchennykh (Transactions of the International Mathema-  
tical Conference in Moscow. vol. 4: Summary of Sectional Reports  
Reports of Foreign Scientists) Moscow, Izd-vo AN SSSR, 1959.  
247 p. 2,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Matematicheskii Institut.  
Tech. Ed.: G.M. Shvachko; Editorial Board: A.A. Abramov, V.O.  
Bol'traskiy, A.M. Vasil'yev, B.V. Medvedev, A.D. Myshkis, S.M.  
Nikol'skiy (resp. Ed.: G.P. Pritikin, Yu. V. Prokhorov, K.A.  
Rybnikov, P. L. Ul'yanov, V.A. Uspenskiy, N.G. Chetaev, G. Ye.  
Shilov, and A.I. Shirshov.

PURPOSE: This book is intended for mathematicians and physicists.

COVERAGE: The book is Volume IV of the Transactions of the Third All-  
Union Mathematical Conference, held in June and July 1956. The  
book is divided into two main parts. The first part contains sum-  
maries of the papers presented by Soviet scientists at the Con-  
ference that were not included in the first two volumes. The  
second part contains the text of reports submitted to the editor  
by non-Soviet scientists. In those cases when the non-Soviet sci-  
entist did not submit a paper, this paper was printed in a previous  
volume; reference is made to the previous volume. The papers,  
both Soviet and non-Soviet, cover various topics in mathematics,  
algebra, differential and integral equations, functional theory,  
problems of mechanics and physics, topology, mathematical  
logical theory, mathematical logic and the foundations of mathematics,  
and the history of mathematics.

Alekseyev, A.S. (Leningrad). On one exact solution of a non-  
stationary boundary value problem for a nonhomogeneous medium 116  
Pavlov, V.M. (Leningrad). The ray method of studying the in-  
tensity of wave fronts 117

Oravilov, L.I. (Leningrad). Gravitational potential of an  
elliptic paraboloid and an infinite parabolic cylinder 117  
Gel'binskiy, B.Ya. (Leningrad). Certain dynamic problems  
of the theory of elasticity for media which contain spherical  
separation boundaries 118

Daitryas, Y.I. (Moscow). Diffraction on conducting bodies  
of infinite dimensions 118

Dnestrovskiy, Yu.M. (Moscow). The method of successive ap-  
proximations for problems on the perturbation of eigenvalues 118

Linsker, P.A. (Moscow). On the baroclinic effect caused by  
wind flows in a deep sea 119

Card 22/34

ALEKSEYEV, A.S.

Device for applying paint to the painting ribbon of the ST-35  
apparatus. Vest.sviazi 20 no.2:16 F '60.  
(MIRA 13:5)

1. Nademotrschik Mogilevskogo telegrafa.  
(Telegraph--Equipment and supplies)

ALEKSEYEV, A.S., kand.fiz.-matem.nauk; MIRONOV, V.A., inzh.; TARANTOVICH,  
A.S., inzh.

System of automatic addressing and counting on a suspended pusher-  
type conveyer. Mekh. i avtom.proizv. 15 no.12:47-52 D '61.  
(MIRA 14:12)

(Conveying machinery) (Electric instruments)

ALEKSEYEV, A. S.

ALEKSEYEV, A. S. -- "Some Boundary Problem of Wave Propagation in a Heterogenous Medium." \*(Dissertations For Degrees In Science and Engineering Defended at USSR Higher Educational Institutions)(30) Leningrad Order of Lenin State U imeni A. A. Zhdanov, Leningrad, 1955

SO: Knizhnaya Letopis' No 30, 23 July 1955

\* For the Degree of Candidate in Physicomathematical Sciences.