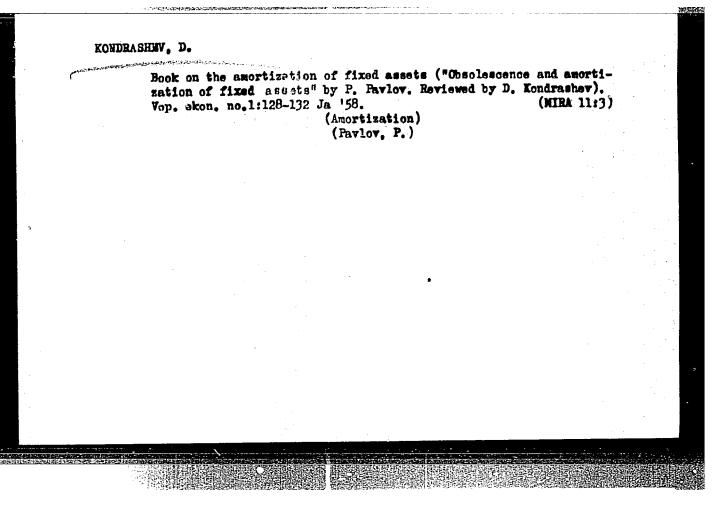
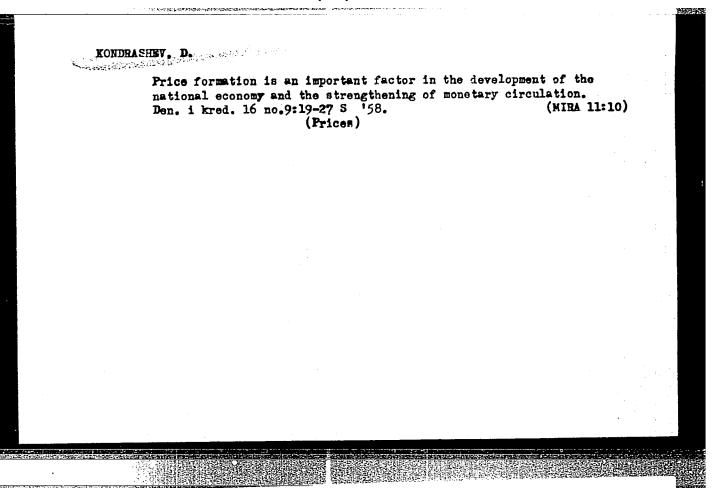
SHER, Isaak Dmitriyevich; KOMDRASHEV. D., otvetstvennyy red.; TOLYPINA, O., red.izd-va; DZHATIYEV, S., tekhn.red.

[Financing capital investments in state industry in the U.S.S.R.]
Finansirovanie kapital'nykh vlozhenii v gosudarstvennuiu prosyshlennost' SSSR. Moskva, Gosfinizdat, 1958. 240 p. (MIRA 11:7)

(Capital investments)

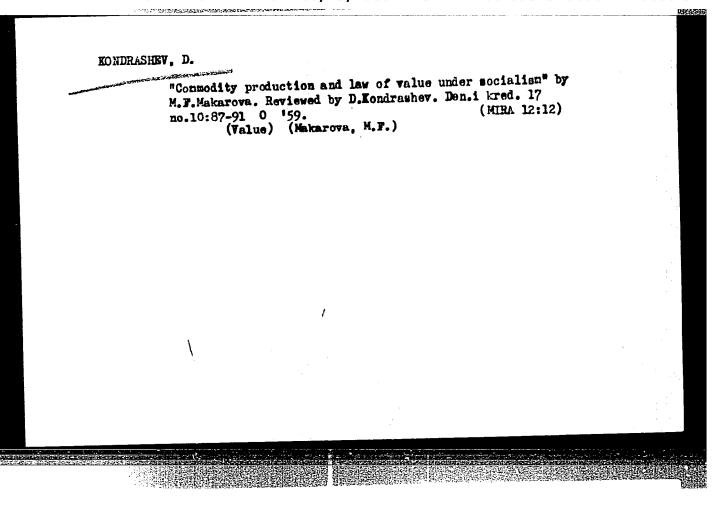




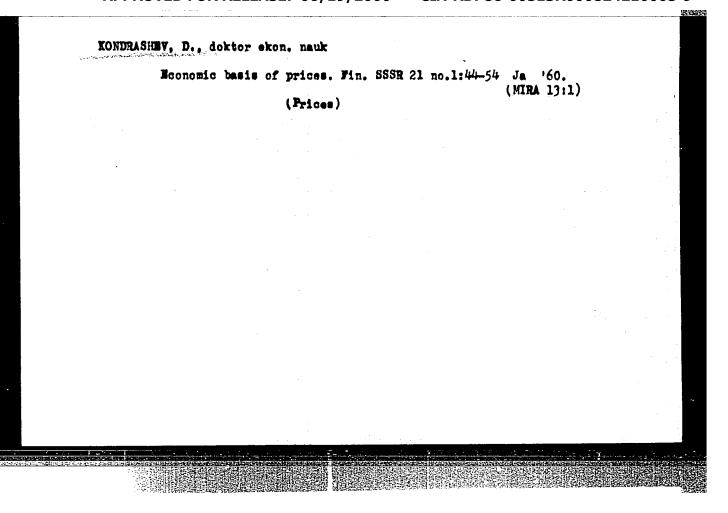
TARNOVSKIY, O.I.; PEVZNER, M.I., retsenzent; KONDRASHEY, D.D., kand.
ekonom.nauk, nauchnyy red.; PLEMYANNIKOV, M.N., red.; SHAPENKOVA, T.A., tekhn.red.

[Establishing prices for shoes] Obrazovanie tsen na obuv'.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po legkoi promyshl..
1959. 176 p.

(Boots and shoes--Prices)



KONDRASHEY D. "Principal economic task of the U.S.S.R."; methodological problems by I.A.Tikhonov. Reviewed by D.Kondrashev). Vop. ekon. no.7:127-129 J1 '60. (MIRA 13:5) (Russia--Economic policy) (Tikhonov. I.A.)



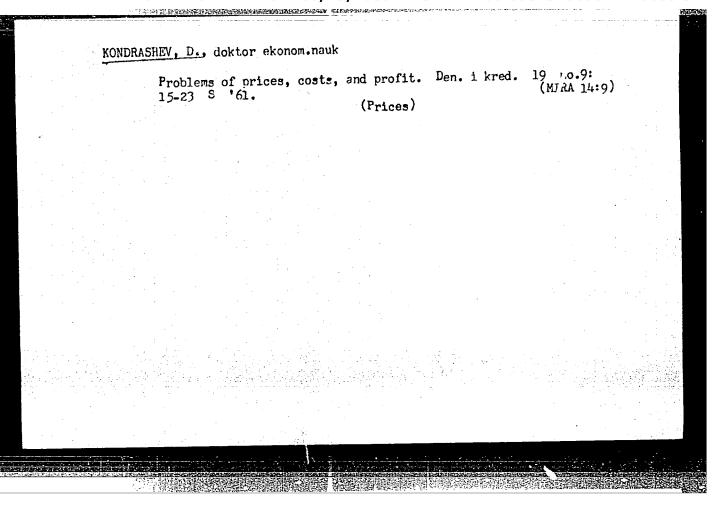
KONDRASHEY, Denis Dmitriyevich, doktor ekonom.nauk; PROKOF'IEV, S., red.;

MOSKYINA, R., tekhn.red.

[Preices and business accounting] TSena i khoziaistvennyi raschet.

Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1961. 110 p.

(Economics) (Prices)



RONDRASHEV, D., doktor ekonomicheskikh nauk

Development of the wholesale price system in industry. Den. i
kred. 20 no.6:23-33 Je '62.

(Wholesale trade--Prices)

AKOPOV, R. Ya., kand. ekon. nauk, dots.; BASYUK, T.L., doktor ekon. nauk, prof.; BIRMAN, A. M., doktor ekon. nauk, prof.; GRIGOR'YEV, A. Ye., doktor ekon. nauk, prof.; DOKUKIN, V.I., prof.; IKONNIKOV, V.V., prof.; KONDRASHEV, D.D., doktor ekon. nauk; KURSKIY, A.D., doktor ekon. nauk; LOKSHIN, E. Yu., doktor ekon. nauk, prof.; MALYY, I.G., kand. ekon. nauk, dots.; PERVUSHIN, S.P., kand. ekon. nauk; PLOTNIKOV, K.N., TYAPKIN, N.K., kand. ekon. nauk; FILIMONOV, N.P., kand. ekon. nauk; SHAFIYEV, K.N., doktor ekon. nauk; prof.; BAKOVETSKIY, O., red.; KOKOSHKINA, I., mladshiy red.; MOSKVINA, R., tekhn. red.

[Economics; communist means of production]Politicheskaia ekonomia; kommunisticheskii sposob proizvodstva. Uchebnik 2., perer. i dop. izd. Moskva, Sotsekglz, 1963. 599 p.

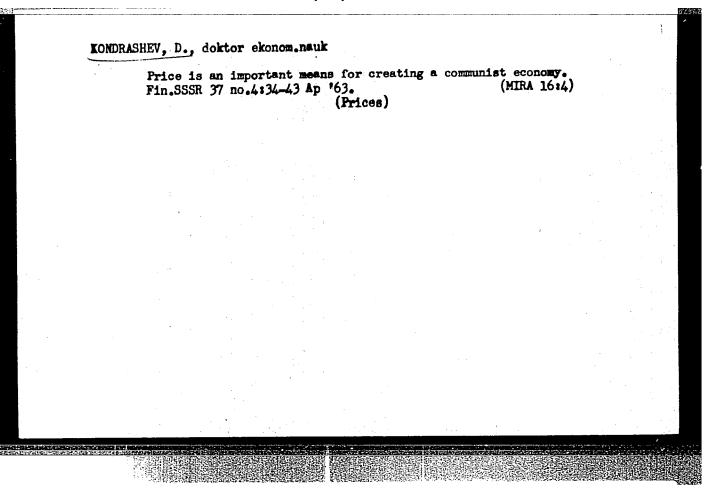
(MIRA 16:5)

1. Chlen-korrespondent Akademii nauk SSSR (for Plotnikov).
(Economics) (Communism)

KONDRASHEV, Denis Dmitrivevich, doktor ekon. nauk; LEPNIKOVA, Ye., red.; KIRSANOVA, I., mlad. red.; MOSKVINA, R., tekhn. red.

[Price and value in the socialist economy] Tsena i stoimost v sotsialisticheskom khoziaistve. Moskva, Sotsekgiz, 1963.
(MIRA 16:12)

(Prices) (Value)



KONDRASHEV, D. M.

KONDRASHEV, D. M. -- "Author's Abstract of a Dissertation Presented in Competition for the Academic Degree of Candidate in Technical Sciences on the Subject "The Mechanical Stepless Friction Chain Drive of Metal Cutting Machine Tools and Other Adjustable Machines." Min Higher Education USSR, Odessa Polytechnic Inst, Odessa, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SO; Knizhnaya Letopis: No. 39, 24 Sept 55

FILATOV, A.A., insh.; KOWDRASHEV, D.S., insh.

Log-loading conveyer. Transp.stroi. 7 no.5:31 My '57. (MEA 10:11)

(Lumber--Transportation) (Conveying machinery)

(Loading and unloading)

KOIDRASHEV, F.S., insh.; LYAPIN, D.P., insh.; PRIVALOV, V.P., insh.

Stoping without miners. Besop.truda v prom. 4 no.1:12

Ja '60.

(Coal mines and mining)

LYAPIN, D.P., inzh.; KONDRASHEV, F.S., inzh.; SKAFA, B.F., inzh.

New techniques in coal mining in steep seams. Bezop.truda v prom.

5 no.1:10-11 Ja '61. (MIRA 14:2)

1. Donetskiy nauchno-issledovatel'skiy ugol'nyy institut.

(Coal mines and mining—Technological innovations)

LYAPIN, D.P., inzh.; KONDRASHEV, F.S.; MOGIL'NIKOV, F.S.; RUDENKO, P.F.

Results of industrial tests in the Donets Basin of the new technology of mining steeply dipping seams with the drilling and blasting method without the presence of men in the stope.

Sbor.DonUGI no.20:39-58 '61. (MIRA 15:6)

(Donets Basin—Goal mines and mining) (Blasting)

KONDRASHEY, F.S.; VINARSKIY, I.S.; GET'MAN, P.V., inzhener-ekonomist

Criticism and bibliography. Ugol' Ukr. 7 no.10:51-52 0 '63.

(MIRA 17:4)

1. Donetskiy nauchno-issledovatel'skiy ugol'nyy institut
(for Kondrashev, Vinarskiy).

GELYUKH, I.D., inzh.; KONDRASHEV, F.S., inzh.

Mining with caving or filling depends on local conditions. Ugol' 38 no.9:4-8 S '63. (MIRA 16:11)

1. Donetskiy nauchno-issledovatel skiy gornyy institut.

STARODUBTSEV, V.L., inzh.; KONDRASHEV, F.S., inzh.; LYAPIN, D.P., inzh.;

OPREDELENNOV, B.Ye., inzh.

Effect of the worked-out level on the gas conditions of the underlying block. Sbor.DonUGI no.20:59-76 '61. (MIRA 15:6) (Mine gases)

Methods for measuring the pressure of the air content in and the elastic expansion of ceramic raw materials. Stek.i ker. 17 no.3: 29-33 Mr '60. (Geramics)

31562 \$/081/61/000/022/043/076 B110/B101

15.2610

AUTHOR:

Kondrashev, F. V.

TITLE:

Experiments of cleaving for determining the tensile strength

of ceramics

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 22, 1961, 298, abstract

22K177 (Stroit. keramika. Inform.-tekhn. sb., no. 2(6),

1960, 36-42)

TEXT: The author studied the possibility of determining the tensile strength by cleaving the samples with a concentrated compression load. Two 40-50 mm long bars were sawn out of cylindrical samples. One was cleft in the direction of pressure, the other one in transverse direction. Unburnt samples were cleft by means of special frames, the working parts of which were two 1 mm thick knives lying in one plane. When examining the unburnt samples, the cleaving stress on the frame was transmitted by filling shot into the bucket of the lever. When testing burnt samples, the cleaving stress was transmitted by the YM-5 (UM-5) testing machine used for compressing and stretching various samples. This method permits a

Card 1/2

31562 s/081/61/000/022/052' B110/B101

Experiments of cleaving for ...

direct determination of tensile strength in any part of the semifinished or finished product in nearly any form. Results of strength determination are tabulated. [Abstracter's note: Complete translation.]

K

Card 2/2

Д0078

8/123/62/000/016/008/013 A004/A101

1.1600

AUTHORS: . Kondrashev, F. V., Popil'skiy, R. Ya.

TITLE:

Some factors determining the elastic expansion and lamination in pressing ceramic powders

PERIODICAL:

Referativnyy zhurnal, Mashinostroyeniye, no. 16, 1962, 31, abstract 16B173 ("Tr. Oos.n.-i. in-t stroit. keramiki", 1960, no. 16, 84 - 99)

TEXT: The authors investigated the elastic expansion process in pressing fine-grained powders of various types on high-speed mechanical and low-speed hydraulic presses at different degrees of humidity, without and with vacuum. They established the dependence of the magnitude of elastic expansion and the properties of the pressed items on the volume of the pressed-in air and its pressure in the pores. Cylindrical specimens 60 mm in diameter and approx. 20 mm in height from two powders (these powders are used for the manufacture of floor tiles and falence facing tiles) are pressed in a specially designed press mold. Analyzing the dependence of the volume and pressure of the pressed-in air on the humidity, pressing pressure and pressing rate of the specimens from Nikiforov clay, the authors draw the conclusion that the volume of the pressed-in air during the pressing of Card 1/2

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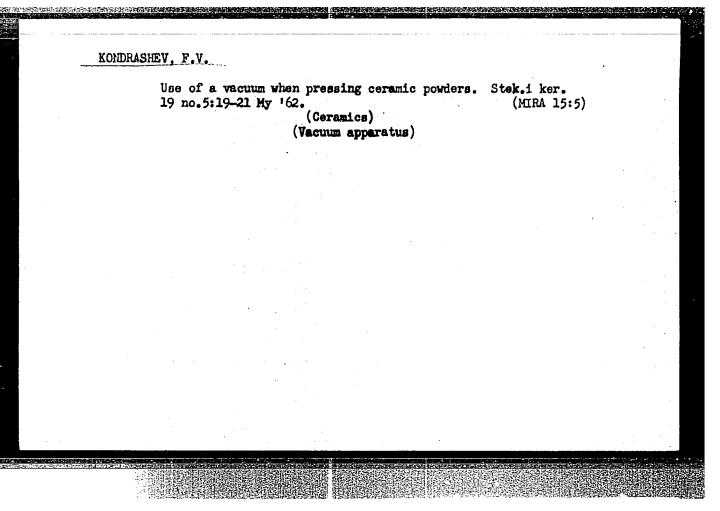
S/123/62/000/016/008/013 A004/A101

Some factors determining the elastic expansion and ...

fine-grained clay powders varies from 0.370 to 0.715 relative to the total air volume in the filled-in charge. This dimensionless magnitude was called the coefficient of pressed-in air (K). The air displacement up to 85 - 95% during the pressing of fine-grained clay powders stops at a pressure in the range of 5 - 20 kg/cm². With an increased humidity of the press powder the necessary pressing pressure is reduced, while the volume of displaced air is increased. As a result of the investigations it was found that, with good surface conditions and sufficient rigidity of the press mold at the moment of ejection, cracks do not originate, while the evacuation of air from the powder is of practical interest in solving problems connected with an improvement in quality of ceramic articles and raising the efficiency of the equipment.

T. Kislyakova

[Abstracter's note: Complete translation]



KONDRASHEV, F. V., inzh.; POPIL'SKIY, R. Ya., kand tekhn nauk

Pressing in air and elastic expansion during the compression of lean coarse-grained ceramic bodies. Trudy NIIStroikeramiki no. 19:54-65 '62. (MIRA 17:5)

KONDRASHEV, P.V., inzh.; POPIL'SKIY, R.Ya., kand. tekkn. mauk

Elastic expansion, pressing of air, and effectiveness of deaeration during molding of ceramic wares. Stek. 1 ker. 21 no.1:17-22 Ja 164. (MIRA 17:8)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut stroitel'noy keramiki (for Kondrashev). 2. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva (for Popil'skiy).

Council of Innovators of Leningrad Enterprises. Izobr.i rats. no.9: 33-35 S '60. (MIRA 13:10)
1. Sekretar Leningradskogo gorkoma Kommunisticheskoy partii Sovetskogo Soyuza. (LeningradTechnological innovations)

VAL'DMAN, Edder Karlovich; KONDRASHEV, I.F., red.; BIRYUZOVA, Ye.I., red.; FAYNSHMIDT, F.Ya., tekhn. red.

[Amusing problems in naval art and science] Zanimatel'nye zadachi po voenno-morskomu delu. Moskva, Izd-vo DOSAAF, 1963.

(MIRA 16:6)

142 p.

(Naval art and science—Problems, exercises, etc.)

KAPUSTA, A.S., inzh.; KOMDRASHEV, I.V., inzh.; BARSKIY, S.M., inzh.

The Fu-62 adapter. Avtom., telem. i sviaz' 8 no.7:4-6
J1 '64. (MIRA 17:12)

"The Fixed Focusing 1.5 Meter Cyclotron,"
by L. M. Nemenov, S. P. Kalinin, L. F. Kondrashov,
Ye. S. Mironov, A. A. Naumov, V. S. Panasyuk,
N. D. Fedorov, N. N. Khaldin and A. A. Chubakov,
Atomnaya Energiya, Vol 2, No 1, Jan 57, pp 36-41

Describes a 1.5-meter fixed frequency cyclotron. Construction on the cyclotron was completed in 1946. The first deuteron beam was obtained in 1947.

The following energies have been attained on the cyclotron: protons to 12.2 Mev, deuterons and hydrogen ions to 19.6 Mev, alpha-particles to 39.2 Mev, and nitrogen ions to 120 Mev.

The electromagnet is of rectangular cross section and weighs 330 tons. The core is made of "Armco" steel and has a 1,500-mm diameter. The magnet can develop a field strength up to 18,000 cersted.

Sum. 1322

The resonance system, high-frequency generator, slit sources for introducing ions, corrections to the magnetic field, the acceleration chamber, resonance lines, and the dees are described. Also discussed are the vacuum system and the deflector and focusing system. Modifications made in some of these components since original construction are noted.

At the present time, "research continues on developing a deflector with focusing properties. Methods for making a beam of charged particles monochromatic and for correcting the magnetic field to permit variable ion energy are also being developed."

The following members of the Scientific Research Institute of Electrophysical Equipment, Ministry of the Electrical Engineering Industry, are participating in the project: D. V. Yefremov, Ye. G. Komar, I. F. Malyshev, N. A. Monoszon, M. A. Gashev, and N. S. Strel'tsov. (U)

MondarsHEV. L.F.

107-9-5/40

AUTHORS: Kondrashev, L.F., Nemenov, L.H., Novikov, G.M., Pustovoyt, Yu.M., Khaldin, N.H. and Chubakov, A.A.

TITLE: A Gas Supply Bench for the Ion Source of a Cyclotron.
(Stend gazovogo pitaniya ionnogo istochnika tsiklotrona)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1957, Nr 3, pp.23-25, (USSR)

ABBTRACT: A description is given of a working gas supply bench for the ion source of a cyclotron. The gas supply bench is shown diagramatically in Fig.1. It consists of a system of gas holders, an electrolyser for obtaining deuterium, a manometer, a device for measuring gas flow, and various valves for adjusting this flow. The gas in the gas holders is always at atmospheric pressure. A special admission valve is described and is shown in Fig.5. The system admits a constant amount of gas and is simple to service. The admission can be regulated in the range 0-500 cm²/hour. There are 3 diagrams, no tables and 1 Russian reference.

SUBLITTED: January 16, 1957. AVAILABLE: Library of Congress.

Sand 1/1 1. Ions 2. Cyclotrons 3. Gas-Instrumentation

nondrasher, L.F.

JUTHORS: Kondrashev, L.F., and Panasyuk, V.S.

120-6-18/36

TITIE:

Measurement of the Absolute Magnitude of the Magnetic Field of a Cyclotron without Releasing the Vacuum (Izmereniye absolyutnoy velichiny magnitnogo polya tsiklotrona bez narusheniya vakuuma)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1957, No.6, pp. 79 - 80 (USSR)

A magnetometer using the principle of nuclear resonance absorption (Ref.1) is described. The instrument was constructed in 1951 and was used on the 1.5 m cyclotron. Measurements were carried out in the range 11 to 12 kOe. The instrument is very small in size (30 mm in diameter and 1 200 mm long) and could therefore be introduced in the form of a probe into the accelerating chamber of the cyclotron. The accuracy of the method can be of the order of 10-1%; the accuracy actually used was 10-1%. The following persons collaborated: L.M. Nemenov, A.A. Naumov, P.I. Vasil'yev and L.I. Yudin. There is 1 Slavic reference.

SUBMITTED: September 24, 1956.

AVAILABLE: Library of Congress.

Card 1/1

SOV-120-58-1-2/43

AUTHORS: Kondrashev, L.F., Kurashov, A.A., Linev, A.F., Sidorov, V.A., Sokolov, N.I. and Khaldin, N.N.

TITLE: A Spectrometer for Fast Neutrons (Spektrometr bystrykh neytronov)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1958, Nr 1, pp 17-21 (USSR)

ABSTRACT: The measurement of the fast neutron spectrum is one of the most difficult problems of experimental nuclear physics. The most common method employed in neutron spectroscopy in the energy region of a few MeV is the method of proton recoil. The measurement of the neutron spectrum is reduced to the measurement of the spectrum of the recoil protons which are produced by the neutron beam in a specimen containing hydro-There are a number of methods of measuring the proton spectrum. One of these is the nuclear emulsion method but this is very time-consuming and therefore not always convenient. The other methods employ coincidence circuits. a system is usually called a "telescope". These telescopes can be used in two ways. In the first method one measures the range of the protons in special absorbers between the counters and in the second method one measures the amplitudes Card 1/3 of the pulses from a scintillation counter which is the last

SOV-120-58-1-2/43

A Spectrometer for Fast Neutrons.

counter of a telescope. The first of these was used in the present work. The telescope (Fig.1) consists of 4 proportional counters. A polyethylene "radiator" is placed in front of the first counter and two sets of aluminium absorbers are used to measure the range of recoil protons in aluminium. The first and main set of absorbers is placed in front and the third counter and the second set of filters in front of the fourth one. The first, second and third counters are in coincidence and the fourth in anti-coincidence. Thus one records recoil protons formed in the radiator and whose path ends before the fourth counter. An estimate of the proton loss due to multiple scattering was made, using the curves of Dickinson and Dodder (Ref.2). The figure obtained for this loss was less than 5% of the recoil protons. A photograph of the telescope is shown in Figs. 2 and 3. The telescope can be used in studying not only neutrons but also charged particles. The spectrometer was used to study the reaction T(p, n) He for proton energies between 7 and 12 MeV. The neutrons were obtained at a target of a 1.5 m

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A Spectrometer for Fast Neutrons.

cyclotron. The derived neutron spectrum at zero angle for the above reaction is shown in Fig. 5. The following persons are thanked for their cooperation: N. A. Vlasov, S. P. Kalinin, A. A. Shubin and L. N. Samoylov. There are 5 figures, no tables and 6 references, of which 2 are English and 4 Soviet.

SUBMITTED: June 19, 1957.

1. Neutron spectrum analyzers--Equipment 2. Neutron spectrum analyzers--Performance 3. Neutron spectroscopy

5/120/60/000/004/012/028 E032/E414

21,2200

AUTHORS:

Kondrashev, L.F., Rybin, S.N., Sokolov, N.I. and

Khaldin, N.N.

Thin Vacuum-Tight Windows TITLE:

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No.4, pp.102-105

In nuclear reaction studies it is frequently necessary to have thin vacuum-tight windows. The present paper describes some of the designs of such windows which were used in experiments on a 1.5 m cyclotron in which these windows were used for gas targets, vacuum chambers and other devices. The simplest solution of this problem which ensures that the thin window is in a vacuum-tight contact with the body of the apparatus is to solder the window to the body or to attach it with a suitable adhesive. However, this leads to a certain amount of contamination of the evacuated region during the soldering process and the contamination is difficult to In the case of soldering, a further difficulty is encountered since it is difficult to attach the window uniformly As a result, the thin window is nonuniformly over the perimeter. The heating of the loaded when the apparatus is evacuated. material of the window during soldering may lead to nonuniform Card 1/6

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Thin Vacuum-Tight Windows

changes in its mechanical properties which are also undesirable, and non-demountable designs present difficulties when it is desired to replace the windows. Fig.l (1 - window, 3 - thin foil, 4,5 - rubber packing) shows a demountable form of a window in which the thin foil has a cylindrical form and vacuum tightness is ensured by rubber packing. With a gas target of 5 cm in diameter. window height of 1.2 cm and window length along the circular periphery of 9 cm, an 8 µ thick iron foil withstood pressures in excess of 2.5 atm. With a gas target 10.6 cm in diameter and two windows of 1.7 cm x 5 cm and three windows 2 to 3 cm in diameter, a 30 µ copper foil withstood pressures up to 1.5 to 2 atm. type of window was used by Bogdanov et al, (Ref.1) in their studies of the proton spectra of the reaction He4 + d at 30°. Fig.2 (1 - mica plate 10 μ thick, 4 - rubber packing) shows another type of target in which the window is plain and consists of a 10 µ thick mica plate maintained in position by brass grids on either side. The transparency of this arrangement was about 65%. The window is made vacuum-tight by rubber packing. A plane window

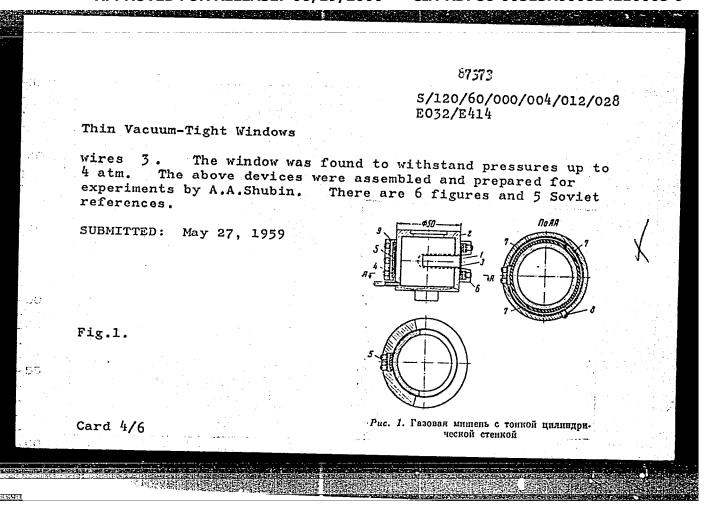
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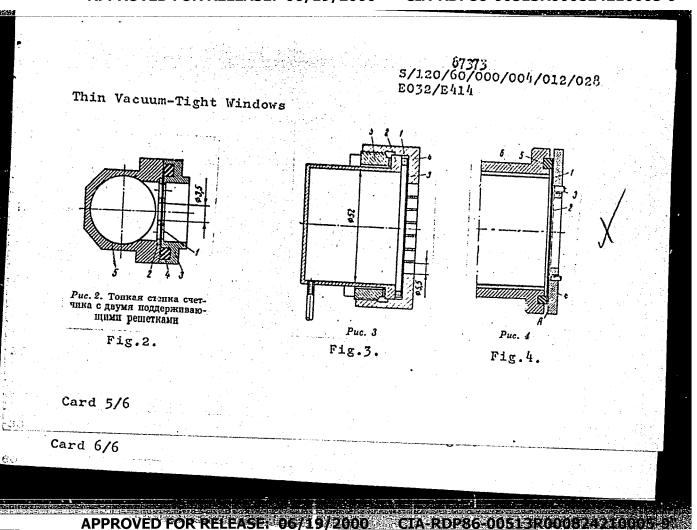
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Thin Vacuum-Tight Windows

designed for working pressures up to 10 atm is shown in Fig. 3. Here again, the foil 3 forming the wall of the window is supported on a brass grid 4 having a transparency of 70%. Rubber packing ensures vacuum tightness and 30 µ copper foils and 10 μ iron foils were used with this design. This type of window was used by Bogdanov et al (Ref.3) in their studies of the polarization of neutrons produced in the T(p,n)He3 reaction. Fig. 4 shows a similar window in which the foil 1 is supported by a tungsten grid 2 made of 0.2 mm diameter wire. Fig.5 shows a design of a thin window used with a β -spectrometer. cylindrical wall of the window 3 was made from aluminium ribbon 0.5 mm thick; rubber packing ensures vacuum tightness. window was used by Vlasov and Rudakov (Ref. 4) in their studies of the angular $\beta-\gamma$ correlation in the case of Bal39. Fig.6 shows the design of a gas target with a plane, thin wall 3 Finally, which was used by Bogdanov et al (Ref.5) in their studies of the spectrum of fast neutrons produced in the bombardment of deuterium by deuterons. Here a platinum foil $30\,\mu$ thick is soldered to the body. The foil is separated by a grid of tungsten Card 3/6





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PHASE I BOOK EXPLOITATION

sov/5881

Kondrashev, Lev Fedorovich, and Nikolay Nikolayevich Khaldin

Oborudovaniye diya yadernykh issledovaniy (Equipment for Nuclear Research) Moscow, Gosatomizdat, 1961. 146 p. 3700 copies

Ed. (Title page): L. M. Nemenov, Doctor of Technical Sciences; Ed.: A. F. Alyab'yev; Tech. Ed.: N. A. Vlasov.

PURPOSE: The book is intended for physicists, design engineers, personnel working with particle accelerators, and teachers and students in related specialities at schools of higher

COVERAGE: The book deals with the problems of the designing, constructing, and adjusting of special equipment for operating cyclotrons and for conducting nuclear experiments. A description is given of the Cyclotron Laboratory of the Institut atomnoy energii im. I. V. Kurchatova AN SSSR (Institute of

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Equipment for Nuclear Research

SOV/5881

Atomic Energy im. I. V. Kurchatov, Academy of Sciences USSR). The operation of this installation was checked extensively and proved to be reliable. Some design elements discussed in the book can also be applied in other laboratories. The authors thank S. P. Kalinin, N. D. Fedorov, N. A. Vlasov, D. V. Timoshuk, and the staff members of the Cyclotron Laboratory. References accompany each chapter.

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Brief consideration of the cyclotron laboratory

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GUDKOV, A.S.; KIYEVLENKO, Ye.Ya.; KONDRASHEV, S.N.; YERNAKOV, N.P., retsenzent; LAZ'KO, Ye.M., retsenzent; PETROV, V.P., retsenzent; TATARINOV, P.M., retsenzent; KHOTENK, M.M., retsenzent; MAKSIMOV, A.A., nauchn. red.; FEDYUK, V.I., nauchn. red.

[Fundamentals of prospecting for piezo-optic mineral deposits] Osnovy poiskov i razvedki mestorozhdenii p'ezo-opticheskikh mineralov; metodicheskoe rukovodstvo. Moskva, Gosgeoltekhizdat, 1963. 217 p. (MIRA 17:6)

Subsurface geelegy, erigin and development of the Chelyabinsk graben. Isv. vys. uchev. sav.; geel. i rasv. no.3:20-35 Mr '58. (MIRA 11:10)

1. Vsessyusnyy mauchne-issledevatel'skiy ugel'nyy institut. (Chelyabinsk Province--Ceal geelegy)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824210005-9"

26112125.73

AUTHOR:

Kondrashev, S.N.

507/132-58-12-5/14

TITLE:

Some Problems in Forming Polar Graphs of Apparent Specific Resistance (Nekotoryye voprosy formirovaniya polyarnykh diagramm kazhushchegosya soprotivleniya)

PERIODICAL:

Razvedka i okhrana nedr, 1958, Nr 12, pp 32-39 (USSR)

ABSTRACT:

The author describes some problems connected with the compiling of polar graphs of apparent specific resistance, to obtain the most characteristic curves for a definite type of geo-electric cross-section by means of a three-cathode dissimetric installation. The obtained polar graphs permit one to classify the surveyed media as anisotropic or horizontally There are 3 charts, 1 set of graphs and 6 Soviet references.

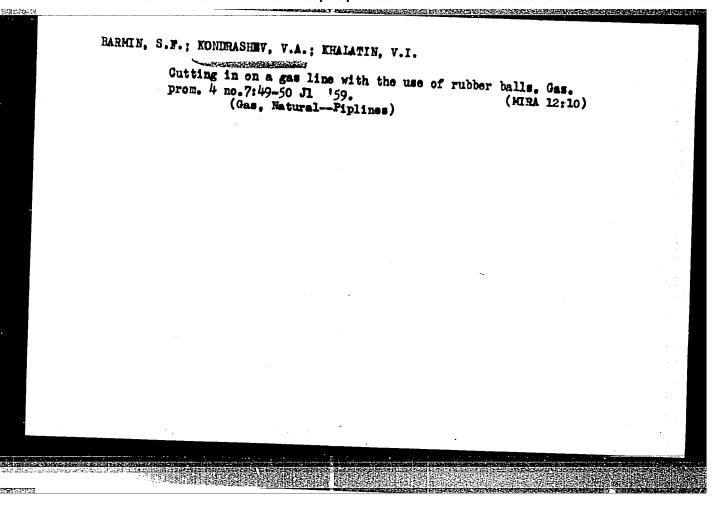
ASSOCIATION: VNIIP

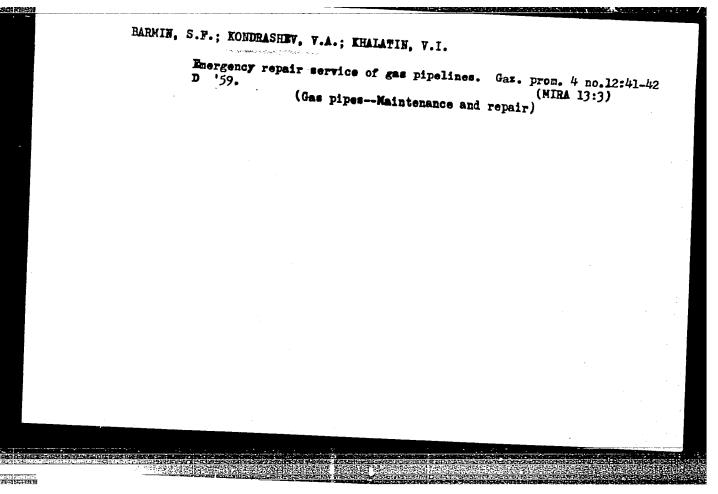
Card 1/1

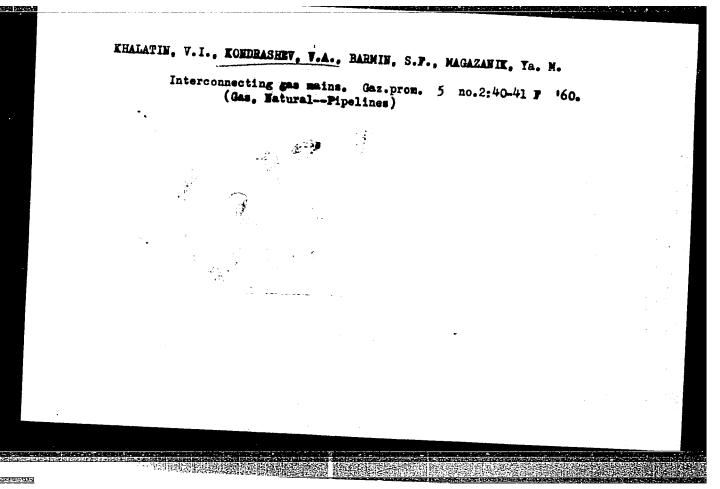
SUMMED !

General problems relative to pecting for piezcoptic quart 51-60 '60. (Quartz) (P	the use of geophysical miss deposits. Trudy VNIIP Crospecting—Geophysical m	ethods in pros- [MS] 3 no.2: MIRA 14:4) ethods)
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BARMIN, S.F.; KOMDRASHEV, V.A.; EHALATIN, V.I.

Ball cocks on main pipelines. Gam.prom. 5 no.9:40-43 B '60.

(Gas, Matural--Pipelines)

(MIRA 13:9)

Kondrasher, U. F.

KLINCHRNKO, I.Z.; AKOPUAN, M.M.; MIRONOV, N.P.; KONDRASHEV, V.F.; LOSHITSKIY,

Comparative rating of the reliability of various methods of calculating the suslik population. Trudy probl. i tem.sov. no.5:29-38'55.

(MIRA 8:12)

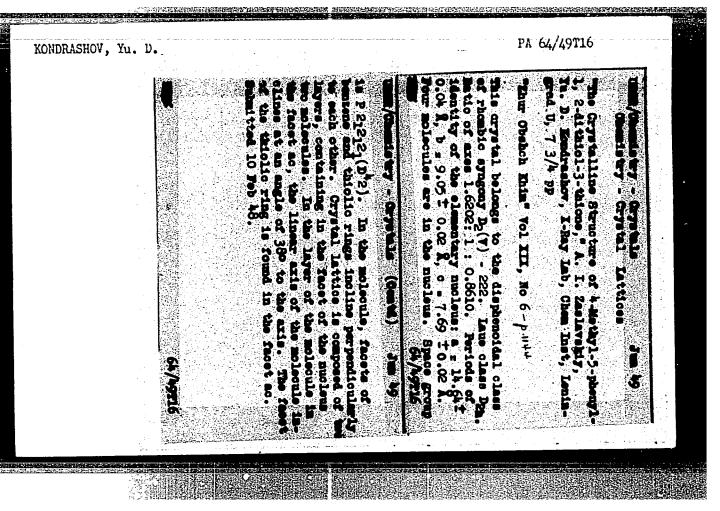
1. Rostovskiy protivochumnyy institut (Susliks)

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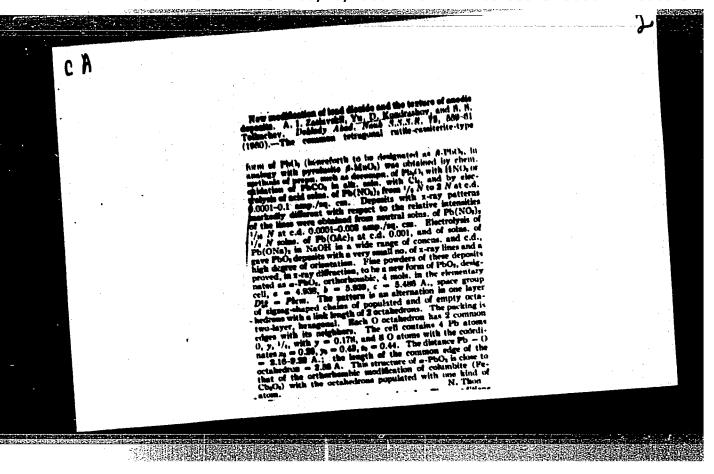
KONDE NAPPROVED FOR RELEASE; 06/19/2000 V. CIA-RDP86-00513R000824210005 KLINCHENKO, I.Z.; KOLESNIKO, I.N.; K

Mechanical method of controlling the lesser suslike Trudy probl. i (MIRA 8:12) tem.sov. no.5:48-60 '55.

1. Rostovskiy protivochumnyy institut (Susliks)



APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824210005-9"



MENTANCES - X-ray Analysis "The Structure of the Modifications of Manganese Dioxide," Tu. D. Kondrashev, A. I. Zaslavkiy, State Inst of Applied Chem "Ix Ak Mauk SSSR, Ser Fir" Vol XV, No 2, pp 179-186 This lecture is devoted to study of the structure of modifications of Mo2 obtained in pure form by synthetic means and identical to natural modification of Mo2 (pyrolusite), alpha-Mo2 (cryptomelan), gamma-modification of Mno2 (Ramsdellite) IC USSR/Physics - X-ray Analysis (Contd) Mor/Apr 51 and hemi-amorphous modification of Mno2 (Ramsdellite) between Mn and O and between O and O; also struct diagrams. The lecture was delivered at 3d All-Union Conference on Use of X-rays in Study of Materials held 19 - 24 Jun 50 in Leningrad. 18791 IC 18791 18791 18792 18792 18792 18793
ions of Manganese I. Zaslavkiy, XV, No 2, pp 179- Alpha-MnO2 (cryp- MnO2 (Ramsdellite), 187191 Contd) Mar/Apr 51 of MnO2, Give -lonic distances and 0; also steric vered at 3d All- ys in Study of n Leningrad. 187191

SSSR/Metals - X-Ray Analysis Y-Ray Study of the Dispersed Electrolytic Deposits of Mi-Pd," Yu. D. Kondrashev, I. P. Tverdovskiy, Th. L. Vert, State Inst of Applied Chem Dok Ak Nauk SSSR" Vol LXXVIII, No 4, pp 729-731 Expts for studying syst Mi-Pd alloys, obtained in dispersed form by joint electrolytic deposition: fealt with deth of dimensions of structure cell, deg of dispersion (size of monocrystal) and lattice dis- cortion. All 3 deths were based on principle of X- raying with std. KCl was used as std in part of syst rich with Mi and latter served as std in part of syst rich with Mi and latter served as std in part of syst rich with Pd. Results graphed. Submitted by Acad A. M. Frumkin 9 Apr 51. 184789 184789	KONDRASHEV, Yu.	. D. 		m H + O O O O H	184189
		184789	X-Ray Analysis (Contd) Results graphed. Submitted 9 Apr 51.	731 11, 11, 11, 11, 11,	ls - X-Ray Analysis udy of the Dispersed Electrolytic "Yu. D. Kondrashev, I. P. Tverdov rt, State Inst of Applied Chem

	Crystal structure of CoHO. You for Employed	
	that the first section where it is a second of the second	
	more Colly War to the	
	g (tc., te powder outgram is given, the interesty cor- cepted for the absorption factor. The elementary cell is de-	
	writed with characteristic (C.C.)	
	Control to Between the	
	- U.003 xX. I has months bearing can also be easily as a little to a constant of the constant	
	etructure type is that of NaHPi. There is a certain relation for the O ¹ autous to the Lyer structure of Co(OH), but the	
	ectahedeal lavere are eligible distabled the amount of	
	hedral spaces in Co(OH), are deforded to empty trigonal prisms in CoO(OH), with hydrogen bonds between O'-	
	and OIL forming nearly symmetrics, groups Oil on the	
	vertical edges of these prisms. The coltabelion formed by the Off and Off around the Coltabelion interespen	
	distances of 2.85 and 2.63 A. The nearest approach of the Cott to the oxygen is 1.97 A. The extrems involved in the	
	hydrogen-bond formation are 2.26 A. apart. This distance	
	corresponds to the low mal, vol. of CoO(OH) of 30.8 cg. A., as compared to \$4 cg. A. in MnO(OH) and 33 cg. A. in	•
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		The parameter of boron in the structure of Call, Yu.D. Kondrashev. Doklady Akad. Nauk S.S.S.R. 94, 411237 [1954] 45 Stackelberg and Neumann, C.A. 27, 882].	والمناب والمراب والمراب والمناب والمناب والمناب والمراب والمراب والمراب والمراب والمراب والمراب والمراب والمراب
	USS	(1954) 1. Stackelberg and Neumann, C.A. 27, 823; R. Laves, C.A. 27, 4458.—By use of data published earlier, the linear sections of the three-dimensional F and F series were constructed. The parameter of the B from the F series was detd. to be 0.22 but from the F series its value	
		was 9.145. The value of the parameter was detd, from data	
		of x-ray diagrams and found to be in close agreement for both the F series (0.217) and the F* series (0.208). 1. Roytar Leach	
		빛 경찰 불인 사람들은 글로 하기 되었다.	
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KONDRASHEV

USSR/Chemistry - Physical chemistry

Pub. 22 - 29/17 Card 1/1

Authors

Kondrashev, Yu. D., and Tverdovskiy, I. P.

Title

X-ray analysis of dispersion Ag - Pd and Cu - Pd depositions obtained by electrolysis.

Periodical :

Dok. AM SSSR 99/1, 109-111, Nov 1, 1954

Abstract

The real crystalline structure - size of nucleus, dispersion and deformation - of lattice of binary solid Ag-Pd and Cu-Pd solutions, obtained through combined electrolytic decosition, was investigated. The derivation of the electrolytic dispersion depositions is described. The average displacement of atoms, characterizing lattice deformation and its maximum value at a silver content of 12%, were established. The formation of a continuous series of solid solutions, symbiosis between discersion and deformity of the lattice and the external form of the monocrystals, were found to be the general characteristics of electrolytic dispersion derositions. Seven references: 5-

USSR; 1-USA and 1-German (1933-1951). Graphs.

Ministry of Chemical Industry, USSR, State Institute of Applied Chemistry Institution:

Academician A. N. Frumkin, June 22, 1954 Presented by:

RONDRASHEV, YU.D.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824210005-Category:

Abs Jour: RZh-Kh, No 3, 1957, 7767

Markovskiy, L. Ya., Kondrashev, Yu. D., and Kaputovskaya, G. V. Author

Not given

On the Composition and Chemical Properties of Magnesium Borides Inst Title

Orig Pub: Zh. Obshch. Khimii, 1955, Vol 25, No 3, 433-444

Abstract:

It has been established by x-ray and chemical analysis that Mg and B begin to react at $720 \pm 20^{\circ}$. At temperatures up to 800° , MgB₂ (I) is formed regardless of the Mg/B ratio. At higher temperatures I decomposes, forming one of three other boride compounds, depending on the temperature; the same compounds are also formed in Mg-B mixtures of varying composition at the same temperatures. I is a dark brown powder which is slowly decomposed by water and more vigorously by acids. When I is treated with hot concentrated HCl, boranes are evolved (0.8-1.1% of the total B content) as well as 2.11-2.12 moles H2 per mole I. The boride I crystallizes in a hexagonal lattice (of the AlB2 type); the space-group is Din, a 3.085, c 3.519 A.U.

: 1/2 Card

KONDRASHEV, Yu. D.

USER/Chemistry - Applied chemistry

Card 1/1

Pub. 22 - 17/47

Authors

Markovskiy, L. Ya.; Kondrashev, Yu. D.; and Kaputovskaya, G. V.

Title I Composition and structure

Composition and structure of magnesium borides

Periodical :

Dok. AN SSSR 100/6, 1095-1098, Feb 21, 1955

Abstract :

Data are presented regarding magnesium borides synthesized from elements in an atmosphere of purified electrolytic hydrogen. Magnesium borides appear in the form of a dark-brown powder which decomposes (partially) during continuous heating with HCl. H₂O₂, slowly and gradually oxidizes the powder but to a lesser extent than nit/ic acid. The physico-chemical properties of magnesium borides and described. Six references: 1 USSR, 1 English, 1 French, 2 USA, and 1 Scandinavian (1906-1952). Tables; diagram.

Institution: Ministry of Chemical Industry SSSR, State Institute of Applied Chem.

Presented by: Academician I. I. Chernyaev, November 25, 1954

KONDRASHEV, Yu. D.

USSR/ Chemistry - Applied chemistry

Card 1/1

Pub. 22. - 25/51

Authors

Markovskiy, L. Ya.; Kondrashev, Yu. D.; and Goryachevs, I. A.

Title

About the composition of beryllium borides

Pariodical

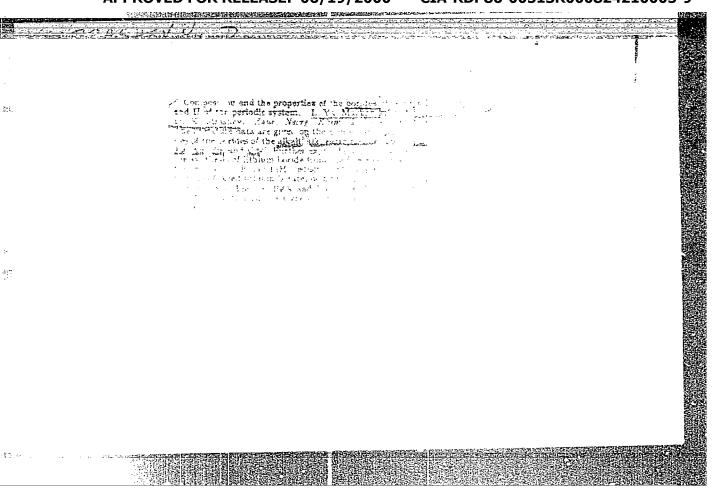
Dok. AN SSER 101/1, 97-98, Mar 1, 1955

Abstract

Preliminary data are presented on the composition of beryllium borides. Samples of Be-borides were synthesized from elements the pulverulent mixtures of which were briquetted at a fixed component ratio and temperature in an H2 atmosphere. Chemical and x-ray analyses show the presence of at least two phases in the products prepared with a component ratio of Be : B = 2:1; 3:2 and 1:1. The physico-chemical properties of the soluble and incoluble Bo-borides are listed. Three references: 1 French, 1 USA and 1 German (1896-1933). Tables; graph.

Institution : Ministry of Chemical Industry USER. Institute of Applied Chemistry

Fresential by : Acesemicton I. I. Cherry nov. May mber 25, 1054



KONDRASHEV, Yu.D.

Raciprocal transitions of manganese dioxide varieties. Zhur, neorg. khin. 2 no.12:2694-2699 D '57.

1. Gosudarstvennyy institut prikladnoy khimii. (Manganese oxides)

"APPROVED FOR RELEASE: 06/19/2000

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SOV/81-60-1-644

Translation from: Referativnyy zhurnal. Khimiya, 1960, Nr l, p 91 (USSR)

AUTHORS:

Markovskiy, L.Ya., L. vova, V.I., Kondrashev, Yu.D.

TITLE:

On the Production of Elemental Boron in an Electric Glow Discharge

PERIODICAL:

V sb.: Tr. Konferentsii po khimii bora i yego soyedineniy. Moscow,

Goskhimizdat, 1958, pp 36 - 45

ABSTRACT:

It is expedient to carry out the process of BCl₃ reduction by hydrogen in an electrical glow discharge at a pressure of 30 - 200 mm Hg. The formation of elemental boron in the highly-dispersed state as well as in the form of a growth on the electrodes depends on the kinetic and electrical conditions of the process. The laboratory production of highly-dispersed boron in the glow discharge with a purity of up to 99.9% with a yield of up to 50% from BCl₃ is possible at a single passing of the gas mixture through the discharge. According to the data of comparative roentgenographic investigations of elemental boron obtained by various methods, electrodischarge boron is the purest and the most typical sample of microcrystalline boron.

Card 1/1

Authors' summary

70-3-2-17/26

Kondrashev, Yu.D. AUTHOR:

The Crystal Structures of Halogen Derivatives of Diazo-TITLE: -

aminobenzene (Kristallicheskaya struktura galogenproizvod-

nykh diazoaminobenzola)

Kristallografiya, 1958, Vol 3, Nr 2, pp 229 - 231 PERIODICAL: (USSR).

The structures of the compounds X-C6H4-NH-N=N-C6H4-X ABSTRACT:

have been established. X represented Br or Cl. cells are monoclinic with dimensions:

C1 derivative: $a=16.94 \pm 0.01 A$, $b=4.68 \pm 0.01$, $c=22.00 \pm 0.02$

β=136°23' + 10'. d_{obs.}=1.42. Z=4.Space group P2₁/c

 $a=16.75 \pm 0.01 A$, $b=4.73 \pm 0.01$, $c=21.96 \pm 0.02$, Br derivative:

 $\beta=134^{\circ}18' \pm 10'$. Space group P2₁/c.

The x and z atomic They were found to be isomorphous. co-ordinates were found to be the following +- (for Cl derivative first, followed by corresponding values for Br derivative)

card 1/3

	Cl ₁ ,Br ₁ Cl ₂ ,Br ₂ N ₁ N ₂ N ₃ C ₁ C ₂ C ₃ C ₄ C ₅ C ₆ C ₇ C ₈	70-3-2-17/26 0f Halogen Derivatives of Diazoaminobenzene. (0.017,0.336) (0.021, 0.336) (0.300, 0.402) (0.298, 0.405) (0.346, 0.658) (0.350, 0.662) (0.675, 0.817) (0.672, 0.817) (0.590, 0.746) (0.595, 0.752) (0.116, 0.436) (0.130, 0.445) (0.090, 0.471) (0.090, 0.467) (0.145, 0.528) (0.170, 0.547) (0.272, 0.585) (0.278, 0.593) (0.296, 0.552) (0.317, 0.575) (0.239, 0.490) (0.237, 0.499) (0.670, 0.639) (0.673, 0.645) (0.564, 0.611) (0.559, 0.600) (0.547, 0.640) (0.534, 0.637)	
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70-3-2-17/26
The Crystal Structures of Halogen Derivatives of Diazoaminobenzene

 c_{10} (0.629, 0.720) (0.630, 0.714) c_{11} (0.740, 0.750) (0.741, 0.762) c_{12} (0.760, 0.719) (0.761, 0.728)

There are 1 figure, 1 table and 3 English references

ASSOCIATION: Gosudarstvennyy institut prikladnoy khimil -

(State Institute for Applied Chemistry)

SUBMITTED: April 20, 1956

Card 3/3

SOV/70-3-5-14/24

AUTHOR:

Kondrashev, Yu. D.

On Certain Peculiarities in X-ray Diffraction Pictures of

Diazoaminobenzene (O nekotorykh osobennostyakh

rentgenogramm diazoaminobenzola)

SPANITE REPORT OF THE PROPERTY OF THE PROPERTY

PERIODICAL: Kristallografiya, 1958, Vol 3, Nr 5, pp 617-618 (USSR)

ABSTRACT: Diazoaminobenzene, C₆H₅NH-N = N-C₆H₅, usually crystallises

in monoclinic crystals with $a = 11.37 \pm 0.02$ $b = 5.07 \pm 0.02$, $c = 18.41 \pm 0.03$ Å, $\beta = 81.08$ ± 10

d = 1.2451 g/cm and Z = 4. Anomalous extinctions and variations in intensity are, however, sometimes observed. Besides the reflections OkO with odd k, the reflections 2h,0,2l + 1 are also absent. Piezo-electricity is observed so that the space group appears to be P21.

Two different modifications I and II were obtained by crystallisation from benzene and from a mixture of octane and ether, respectively.

I has: $a = 11.36 \pm 0.02$, $b = 5.07 \pm 0.02$, $c = 18.41 \pm 0.03$ A, $\beta = 30^{\circ}40^{\circ} \pm 10^{\circ}$. hk? reflections are present only when h + 1 is even. A halved cell with

Card1/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824210005-9"

SOV/70-3-5-14/24

On Certain Peculiarities in X-ray Diffraction Pictures of Diazoaminobenzene

space group P2, could be chosen.

II has: $a = 11.39 \pm 0.02$, $b = 5.07 \pm 0.02$, $c = 18.42 \pm 0.03$ A, $\beta = 81^{\circ}08' \pm 10'$. This had the space group $P2_1/c$. Usual pictures represent a sum of

the two forms. The form I consists of identical layers (in the xyO plane) displaced by 1/2a with respect to each other. Form II has successive plane connected by a centre of symmetry and by glide planes. There are 3 figures and 7 references, 2 of which are Soviet, 4 English and 1 German.

ASSOCIATION: Gosudarstvennyy institut prikladnoy khimil

(State Institute for Applied Chemistry)

SUBMITTED: July 2, 1957

Card 2/2

AUTHOR:

Kondrashev, Yu. D.

SOV/70-3-6-6/25

TITLE:

On the Crystal Structure and Composition of Crednerite,

CuMnO2 (O kristallicheskoy strukture i sostave

krednerita CuMnO2)

PERIODICAL: Kristallografiya, 1958, Vol 3, Nr 6, pp 696-699 (USSR)

ABSTRACT: If copper and manganese oxides are heated at above 1 000 °C the beta non-spinel phase can be formed. cell dimensions were found by McAndrew (Am.Min., 1956, Vol 41, p 276) as a = 5.58, b = 2.88, c = 5.87 Λ , β = 104 and the space group was determined as C2/m C2 or Cm . He identified the material with crednerite but gave the composition as Cu2Mn2O5. Materials of

> varying composition were prepared and examined by X-ray powder photography, the Cu/Mn ratio of 1:1 giving the purest specimens which had a density of 5.39 (compared with McAndrew's 5.03). The powder diffractometer records gave the improved dimensional measurements of $\ddot{a} = 5.530 \pm 0.005$, $\dot{b} = 2.884 \pm 0.002$, $\dot{c} = 5.898 \pm 0.005$ Å, $\dot{\beta} = 104.6^{\circ} \pm 0.1^{\circ}$. Experimental and observed spacings

and intensities are tabulated. The new cell size and

Cards/3

State Inst. of applied Chemistres

SOV/70-3-6-6/25 On the Crystal Structure and Composition of Crednerite, CuMnO₂

density give Z = 2 if the formula is CuMnO₂. (Z_{obs.}=1.98) The structure resembles that of CuFeO₂ (rather than that of low-temperature NaNiO₂). With the space group C2/m the atomic co-ordinates are 2Mn in 2(a) 000; 2Cu in 2(d) (0,1/2,1/2) and 4 0 in 4(i) (x,0,z) with x = 0.416, z = 0.143. The co-ordination round the Mn³⁺ atom is ocathedral with 4 oxygens at 1.92 and two at 2.28 Å. The Cu⁺ atoms lie between layers of MnO₆ ocathedral linked by edges with Cu⁺-0 distances of 1.80 Å (two co-ordinated). There are 2 figures, 1 table and 12 references, 3 of which are Soviet, 5 English, 1 French and 3 German.

Card 2/3

5 (2) AUTHORS: Markovskiy, L. Ya., Kaputovskaya, G. V., SOV/78-4-8-3/43

Kondrashev, Yu. D.

TITLE:

On the Problem of the Existence of a Magn sium Boride of the Composition Mg B2 (K voprosu o sushchestvovanii borida magniya

sostava Mg3B2)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 8,

pp 1710 - 1714 (USSR)

ABSTRACT:

In his classical paper on boron H. Moissan pointed to the fact (Ref 1) that boron forms several compounds with magnesium, among them one with the formula Mg_B_2. This opinion is maintain-

ed also in the papers of other research workers (Refs 2-5). In earlier papers of the authors (Refs 6,7) simultimeously with American scientists (Refs 8,9), however, no su appoind the shows the new experiment results.

Pigure 1 shows the formation of tetraborane in dependence on the composition of the sinter. The yield in tetraborane increases with the magnesium content of the sinter. By means of infrared spectroscopy it was found that tetraborane is formed

Card 1/2

On the Problem of the Existence of a Magnesium SOV/78-4-8-3/43Boride of the Composition Mg_3B_2

as final product in the hydrolysis of MgB₂. Table 3 shows the interplanar spacings for the various compounds of magnesium with boron. It may be seen from it that magnesium boride with the formula Mg₃B₂ does not exist. There are 1 figure, 3 tables,

and 14 references, 7 of which are Soviet.

ASSOCIATION: Gosudarstvennyy institut prikladnoy khimii (State Institute of

Applied Chemistry)

SUBMITTED: October 11, 1957

Card 2/2

SOT/20-127-4-30/60

5(4) AUTHORS: Tvordovskiy, I. P., Vert, Zh.L., Kondrashev, Yu. D.

TITLE:

Determination of the Dimensions of an Elementary Cell of

Cathode-polarized Dispersion Alloys Pd-Au and Pd-Cu

PERIODICAL

Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 4, pp 835-837

(USSR)

ABSTRACT:

In the present paper, the lattice parameters of an electrode were determined during its polarization. These investigations permit checking of some assumptions concerning the dependence of the overvoltage of the hydrogen deposition on the interatomic distances in the alloys. Investigations were carried out by means of the binery dispersed alloys mentioned in the title. These alloys dissolve hydrogen in a sufficiently wide composittion interval. The dissolved hydrogen was eliminated by anodic polarization of the alloy until the deposition of the first hydrogen bubbles. For the recordings, a special Plexiglas cell was used (Fig 1). The recording was made by means of a URS-50-I diffractometer. The lattice periods could be determined up to an accuracy of - 0.001 kX. The experiments were made in 1N H2SO4-

Card 1/2

solution at room temperature. The data obtained for the

Determination of the Dimensions of an Elementary Cell of SOY/20-127-4-30/60 Cathode-polarized Dispersion Alloys Pd-Au and Pd-Cu

> lattice periods is compiled in table 1. The values obtained showed an error of only ~ 10.001 kX. The values for the electro-Lytically deposited alloy could not be obtained with the same accuracy. The lattice periods for the alloys after polarization are shown by figure 2 for the various systems with different Au- and Cu-content, and also in the process of hydrogen deposition. There was good agreement with the results obtained by Kuznetsov (Ref 10). The strongest enlargement of the parameters of the elementary cell resulted in pure palladium. By the introduction of gold or Cu it decreases, and disappears completely at a content of 65% Au or 50% Cu, respectively. At a low palladium content, the solubility of hydrogen in the alloy also decreasss down to zero. A change in the current intensity during the experiments had nearly no effect on the lattice parameters. There are 3figures, i table, and 15 references, 7 of which are Soviet.

ASSOCIATION:

Gosudarstvennyy institut prikladnoy khimii (State Institute of Applied Chemistry)

PRESENTED:

April 13, 1959, by A. N. Frumkin, Academician

SUBMITTED:

April 13, 1959

Card 2/2

26885 \$/081/61/000/013/025/028 B117/B203

158160

AUTHOR:

Kondrashev, Yu. D.

TITLE:

X-ray study of polytrifluoro chloro ethylene

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 13, 1961, 703, abstract 13P44 (Sb. tr. Gos. in-ta prikl. khimii, no. 46, 1960,

158 - 165)

TEXT: Polytrifluoro chloro ethylene may exist at temperatures < 200°C both in crystalline and amorphous state. The amorphous state is characteristic of polymer powders and products pressed therefrom. The crystalline state is characterized by a ring with a distance of 5.3 Å. A diffuse ring corresponding to a distance of 13.5 Å is characteristic of the amorphous state. In the temperature range of 200° - 210°C, the amorphous phase (ring 5.97 Å) appears besides the crystalline one. At morethan 210°C, the polymer is completely transformed to the liquid state which differs from the crystalline one by position and character of the principal maximum on the X-ray picture. The liquid phase crystallizes in cooling. Dimensions of crystals and their growth rate are strongly

Card 1/2

15

26885 s/0a1/61/000/013/025/028 B117/B203

X-ray study of ...

dependent on cooling conditions. Below melting point, crystallization of the amorphous phase is practically not observed. Addition of a plasticizer facilitates crystallization. Abstracter's note: Complete translation.

Card 2/2

APPROVED FOR RELEASE: 06/19/2000

C1A-RDP8609951/3P909824210005-8/08/7/8203

15.8160

AUTHOR:

Kondrashev, Yu. D.

TITLE:

X-ray study of polydifluoro vinylidene

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 13, 1961, 703 - 704, abstract 13P45 (Sb. tr. Gos. in-ta prikl. khimii, no. 46,

1960, 166 - 168)

TEXT: A study of the crystal structure of polydifluoro vinylidene shows that there are two molecular types with different identity periods: 4.66 and 2.55 A. The first period corresponds to a zig-zag chain, the link of which consists of two carbon atoms. The second period corresponds to an ordinary zig-zag distribution of carbon atoms in a plane chain. When an ordinary zig-zag distribution of carbon atoms in a plane chain. When heating the polymer, its crystallinity decreases, and the transition to a completely emorphous state occurs at ~ 190°C. This temperature was assumed to be the melting point. [Abstracter's note: Complete translation.]

Card 1/1

24451

S/081/61/000/007/004/010 B107/B207

5,1190

Kondrashev, Yu. D., Gladkova, V. F.

TITLE:

The nature of the nickel boride catalyst

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 7, 1961, 68, abstract 75512 (78512) (Sb. tr. Gos. in-ta prikl. khimii, no. 46, 1960, 268 - 273)

TEXT: A nickel boride catalyst was subjected to X-ray, electron diffraction, and electron-microscopic studies. The catalyst was produced by reducing nickel salts in solution with boron hydrides of alkali metals. The catalyst was found to consist of nickel in extremely fine distribution; the size of crystallites is between the crystalline and amorphous state.

[Abstracter's note: Complete translation.]

Card 1/1

KONDRAS hery yu.D.

5,2400A 15,2220 s/078/60/005/008/005/018 B004/B052 82325

AUTHORS:

Markevich, G. S., Kondrashev, Yu. D., Markovskiy, L. Ya.

TITLE:

A New Boride Phase in the System Beryllium - Boron

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 8,

pp. 1783-1787

TEXT: In 1955 the authors published data on the phase composition of beryllium borides (Refs. 1, 2). Besides the cubic α -phase (Be₂B), β -phase BeB₂, and γ -phase BeB₆, they had also determined a new δ -phase richer

X

in Be which develops at 1000°C during the sintering of a mixture of pulverized boron and pulverized beryllium containing more than 70 atoms of Be. The present paper reports on the investigation of composition and properties of this δ-phase. Mixtures of B- and Be powder were produced in the following ratios: Be: B ranging from 9: 1 to 2: 1, and they were radiographically examined (Table 1). Single crystals of the δ-phase (Fig.) were obtained after 100 h of continuous heating in evacuated quartz ampuls. Data of the radiographic investigation of these crystals are given

Card 1/3

A New Boride Phase in the System Beryllium - Boron

S/078/60/005/008/005/018 B004/B052 82325

in Table 2. The new boride corresponds to the formula Be₅B, and its crystals are tetragons with the lattice constants a = 3.362 ± 0.002 kX, c = 7.036 ± 0.005 kX, c/a = 2.093. The specific gravity d⁴₂₀, pycnometrically determined, is 2.06 - 2.14 g/cm³. The specific electric resistance does not differ from that of the α-phase. The hydrolytic decomposition of Be₅B into 8 N of HCl was investigated, and the liberated hydrogen, the developing boranes, and the dissolving boron suboxides BO were determined (Tables 3, 4). On the basis of these data, the following reaction equations are given:

 $Be_5B + 10H_2O \longrightarrow BH_3 + 5Be(OH)_2 + 3.5H_2$ (1)

 $BH_3 + H_20 \longrightarrow BO + 2.5 H_2$ (2)

 $Be_5B + 11H_2O \longrightarrow BO + 5Be(OH)_2 + 6H_2$

It is assumed that primary BH3 develops, and the formation of di- and Card 2/3

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A New Boride Phase in the System Beryllium - Boron

S/078/60/005/008/005/018 B004/B052 82325

tetraboranes is only caused by the polymerization of BH3. Since the reaction between BH3 and water is intensive, no more than 8% of borane develop, calculated with respect to the total amount of boron. Be5B still is the boride yielding the maximum amounts of borane, since Be2B only develops 2% of boranes. There are 4 figures, 1 table, and 6 Soviet references.

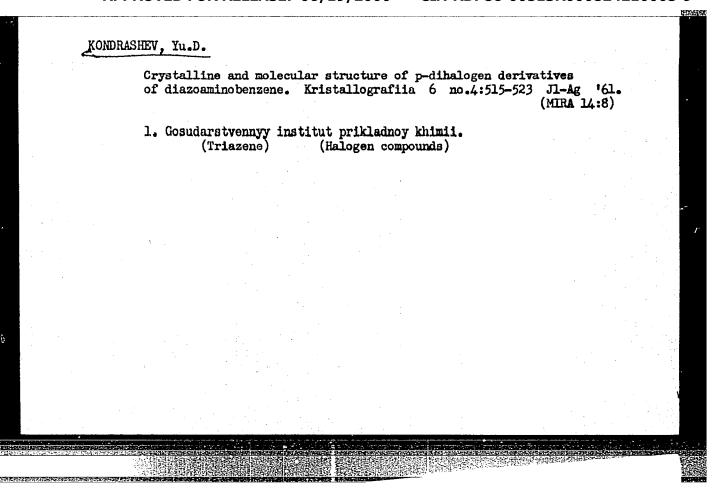
ASSOCIATION:

Gosudarstvennyy institut prikladnoy khimii

(State Institute of Applied Chemistry)

SUBMITTED:

May 4, 1959



29532 s/078/61/006/011/010/013 B101/B147

5 4500

Sapozhnikov, Yu. P., Kondrashev, Yu. D., Markovskiy, L. Ya.,

Omelichenko, Yu. A. AUTHORS:

Study of phase composition and luminescence properties of

the system ZnO - MgO, activated by chromium TITLE:

Zhurnal neorganicheskoy khimii, v. 6, no. 11, 1961, 2550-2557

PERIODICAL:

TEXT: On the basis of a paper by A. L. Smith (see below) who studied the luminescence of nonactivated MgO and ZnO mixtures, the authors examined the system MgO - ZnO activated with 0.5 % of Cr (added as ammonium bichromate). The mineralizer added was 3 % Licl. Samples were ammonium oichromate). The mineralizer added was 1,0 more taken by a yor -50-N produced at 1100 and 1300°C. Powder patterns were taken by a yor -50-N (URS-50-I) apparatus. Two limited solid solutions were found: Zn(Mg)0 and Mg(Zn)O with the structure of the initial components. The unity cell volume of the solid solution Mg(Zn)O increases continuously. The incorporation of Mg ions into the hexagonal structure of ZnO causes a slight increase of parameter a and a considerable decrease of parameter C; thus, the unit cell volume is reduced. The upper limits of existence of

Card 1/3

CIA-RDP86-00513R000824210005-9" APPROVED FOR RELEASE: 06/19/2000

29532 s/078/6i/006/011/010/013 B101/B147

Study of phase composition and ...

activator of ZnO and of solid Zn(Mg)O solutions. A paper by G. S. Zhdanov, V. A. Pospelov (Dokl. AN SSSR, 93, 97 (1953)) is mentioned. There are 4 figures, 2 tables, and 10 references: 4 Soviet and 6 non-Soviet. The two most recent references to English-language publications read as follows: A. L. Smith, J. Electrochem. Soc., 55, 155 (1952); W. A. Runciman. US Patent no. 2736712, February 28, 1956.

ASSOCIATION: Gosudarstvennyy institut prikladnoy khimii (State Institute

of Applied Chemistry)

SUBMITTED: September 30, 1960

X

Card 3/3

S/080/61/034/009/009/016 D204/D305

AUTHORS:

Gladkova, V.F., Antonovska L. I., and

Kondrashev, Yu.D.

TITLE:

Electronographic and X-ray investigations of the

surface of passivated iron and a few steels

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 9, 1961,

2028 - 2031

TEXT: This study was carried out owing to the absence of a generally accepted theory on the nature of the passivity of chromium and chromium-nickel steels. The nature of films forming on the surface of Armco iron and the steels 1Kh13 and 1Kh25 after being passivated in liquid oxidizers, and also after anodic polarization of these steels and of the chromium-nickel steel 1Kh18N9T was studied electronographically. In addition, an attempt was made to determine by X-rays the lattice dimensions of all the above steels in order to find the change in chemical composition of their surface after anodic polarization. It was found that the passive film on Card 1/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824210005-9

Electronographic and X-ray ...

5/080/61/034/009/009/016 D204/D305

chromium steels, produced under the action of concentrated nitric acid, does not appear in the electronograph in the form of a separate phase, in contrast with an analogous film on iron. This evidently indicates that it is exceptionally thin. Under the action of stronger oxidizers (70 % HNO₃ + K₂Cr₂O₇) well defined

Fe₃0₄ or γ-Fe₂0₃ phases appear on the surface of chromium steels. As the result of anodic polarization of the steel 1Kh18N9T, the NiO phase appears to form on its surface at the repassivation potential. There are 2 tables, and 18 references: 8 Soviet-bloc and 10 non-Soviet-bloc. The references to the 4 most recent Englishlanguage publications read as follows: T.N. Rhodin, Corrosion, 12, 3, 41, 1956; H.I. Jearian, H.E. Boren, R.E. Warr, Corrosion. 12, 11, 1956; R.T. phelps, A. Gulbransen, J.W. Hickman, Ind. Eng. Ch., Analyt. Edit., 18, 391, 1946; A. Gulbransen, R.T. Phelps, J. W. Hickman, Ind. Eng. Ch., Analyt. Edit., 18, 640, 1946.

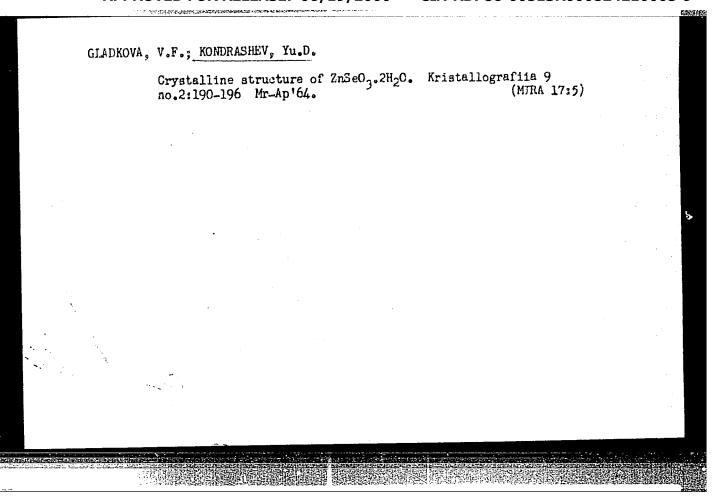
SUBMITTED: October 31, 1960

Card 2/2

"The crystal structure of ZnSeO₃-2H₂O."

report submitted for 6th Gen Assembly, Intl Union of Crystallography, Rome, 9 Sep 63.

Inst of Applied Chemistry, Vatnyi o. 2, Leningrad.



KONDRASHEV, Yu.D.

Crystalline structure of paradimethyldiagoaminobenzene.
Kristallografiia 9 no.3:403-405 My-Je '64. (MIRA 17:6)

1. Gosudarstvennyy institut prikladnoy khimii.

ZMP(j)/EPF(c)/EMT(m)/DDS-ASD--PG-L/Pr-L--RM/WW

L 11217-63 ACCESSION NR: AP3001631

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! 4

AUTHOR: Kondrashev, Yu. D.; Andreyeva, N. A.

12

TITLE: New modification of selenium carbamide

SOURCE: Zhurnal strukturnov khimii, v. 4, no. 3, 1963, 454-455

TOPIC TAGS: selenium carbamide structure, thiourea

ABSTRACT: An X-ray investigation of selenium carbanide structure has been completed. The large and almost colorless crystals obtained from an aqueous solution were subjected to a number of physical measurements. The refractive coefficients were found to be N sub y=1.84, N sub p=1.79, molecular refraction 25.6 cubic cm, the density determined by the two methods was 2.09 g/cubic cm and 2.06/ cubic cm. The periods of hexagonal lattice established by X-ray rotations are: a=15.37+07-0.07, c=13.08+07-0.05 Angstrom. The number of molecules in the lattic is close to 27. The pure compounds of thiourea and urea do not have hexagonal structures, and it is characteristic for the molecules containing selenium. The obtained periods agree with the rhomic lattices, including that of thiourea where a approximately equals 15.8 and c approximately equals 12.5 Angstrom. According to Cord 1/2

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ACCESSION NR: AP3001631

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the analogy of thiourea compounds, an assumption can be made about the existence of selenium carbamide type chains, or molecular spirals stretched alongside the axis c and containing three molecules of selenium carbamide per period, and their compactness forms hexagonal channels in the structure. Thus, the preliminary data shows that the investigating crystals are a modification of the selenium carbamide. "The authors are deeply indebted to L. Ya. Markovskiy for his supply of selenium carbamide samples."

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High Molecular Compounds, AN SSSR)

SUBMITTED: 25Jan63

DATE ACQ: OlJul63

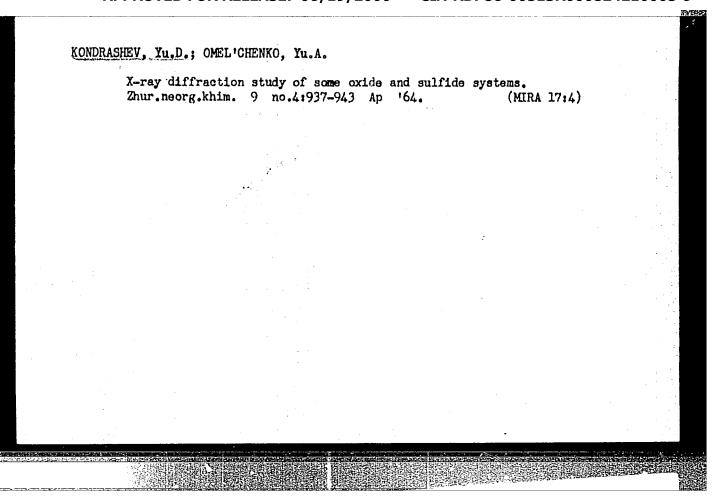
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Card 2/2



"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210005-9

IJP(c) JD/JG EWP(a)/EWT(m)/EWP(t) SOURCE CODE: UP/0080/66/039/001/0013/0020 L 16051-66 ACC NR: AP6005515 AUTHOR: Markovskiy, L. Ya.; Vekshina, N. V.; Kondrashev, Yu. D.; Stroganova, ORG: none TITLE: Ternary compounds in the beryllium-boron-carbon system SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 1, 1965, 13-20 TOPIC TAGS: beryllium compound, boron compound, carbide, crystal structure ABSTRACT: To study the reaction of beryllium with boron and carbon, powder mixtures of the components were sintered at 1200-2000°C, and the products were subjected to x-ray and chemical phase analysis. The data showed the existence of two beryllium borocarbides, BeC2B2 and BeC2B12. The structure of BeC2B2, (studied by the single crystal method) is characterized by a hexagonal system, Laue class mm, and lattice constants a = 10.84 and c = 6.18. The structure of BeC₂B₁₂, (studied by the powder method) belongs to the B4C(B12C3) structural type. The lattice constants are a = 5.615, c = 12.28 Å, c/a = 2.187. It is shown that in contrast to alkaline earth and rare earth borocarbides, beryllium borocarbides are chemically stable compounds and UDC: 546.45'27'26 Card 1/2

EWT(m)/EWP(t)/ETI JD IJP(c) L 04733-67

ACC NR AP6027008 SOURCE CODE: UR/0080/66/039/005/0973/0977

AUTHOR: Markovskiy, L. Ya.; Vekshina, N. V.; Kondrashev, Yu. D.

ORG: none

B

Chromium borocarbide TITLE:

Zhurnal prikladnoy khimii, v. 39, no. 5, 1966, 973-977

TOPIC TAGS: chromium compound, chromium carbide, boron compound, carbon compound, phase composition, X ray diffraction pattern

ABSTRACT: The phase compositions of the reaction products of chromium with boron and carbon in the Cr-B-C system were studied. The existence of the ternary compound, chromium borocarbide, Cr7BCL was established: rhombic, a = 2.86A, b = 9.22A, c = 6.95A. Powder pattern data is given. When the molar ratio of Cr in Cr:B:C is small, CrB and CrB, are formed; as Cr content is increased the carbides Cr₃C₂ and Cr₇C₃ are formed. It was established that all chromium carbides react with boron and with borides forming either solid solutions based on Cr7C3 or Cr3C2 or the borocarbide Cr-BC,. Chromium mono- and diborides are characterized by high stability with respect to carbon. The lower borides, Cr2B in particular, are converted in the presence of carbon at

Card 1/2

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high temperatures to carbides containing up to 10 at.% boron and the

boride CrB. Orig. art. has: 4 tables. SUB CODE: 07/ SUBM DATE: 17May65/ ORIG REF: 004/ OTH REF:

KONDRASHEVA, A.L., mladshiy nauchnyy sotruinik

Determining the content in ferrous oxide of chromite and chromemagnecite refractories. Trudy Inst. ogneup. no.34:210-213 '62.

(MIRA 17:10)

And the state of t	Methods of quantitative determination of ferrous oxide in raw materials. Ogneupory 28 no.10:475-478 '63. (MIRA 16:11)													
	1. Vsesoyuznyy institut ogneuporov.													

HEDER, N.M.; KONDRASHEVA, I.A. Ways for preventing clogging of spinnerets during the manufacture of viscose cord fiber. Khim. volok. no.2:70-72 (HIRA 12:9)

1. Kalininskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta iskusstvennogo volokna. (Rayon spinning)

EASE: 06/19/2000 CIA-RDP86-00513R000824210005-9 PHASE I BOOK EXPLOITATION 1236 APPROVED FOR RELEASE: 06/19/2000

Okhotsimskiy, D. Ye., Kondrasheva, I.L., Vlasova, Z.I., Kazakova, R.K.

Raschet tochechnogo vzryva s uchetom protivodavleniya (Calculation of Point-source Blast Taking Counterpressure into Consideration) Moscow, Izd-vo AN SSSR, 1957. 65 p. (Series: Akademiya nauk SSSR. Matematicheskiy institut. Trudy, t. 50) 2,500 copies printed. Resp. Ed.: Petrovskiy, I.G., Academician; Deputy Resp. Ed.: Nikol'skiy, S.M., Professor; Ed. of Publishing House: Gurov, K.P.; Tech. Eds.: Vanyushenkova, V.V., Makuni, Ye. V.

PURPOSE: This volume of the Works of the Mathematics Institute, Academy of Sciences, is written for the specialists working in the field of blast waves.

COVERAGE: This work consists of an introduction and four sections. In the introduction, the authors describe certain Soviet and American studies in this field and outline briefly the methods of solution, the characteristics of the results, and the computation techniques. In section one the statement of the problem is given. Assumed is a gas which satisfies Clapeyron's equation. Density 6., pressure

1236

Calculation of Point-source Blast (Cont.) $\frac{2\varphi}{2z} + \mu \frac{2\varphi}{26} + \lambda + \sqrt{\frac{2\Theta}{26}} = 0$

(2)
$$\frac{\partial \psi}{\partial \tau} - \mu \frac{\partial \psi}{\partial \theta} + \lambda + \sqrt{\frac{26}{36}} = 0$$

$$\frac{\partial \psi}{\partial \tau} - \mu \frac{\partial \psi}{\partial \theta} + \lambda + \sqrt{\frac{26}{36}} = 0$$

$$\frac{\partial \psi}{\partial \tau} = \frac{620^{2} \left[\frac{\tau - 1}{4\sqrt{7}} (\psi + \psi)\right]^{\frac{2}{7 - 6}}}{\frac{26}{36}} = 0$$

where λ , μ , γ' are known functions of Θ , φ , ψ , ξ , δ . The basic functions to be determined are now φ , ψ , Θ , ξ , To solve the problem, the boundary conditions are set at the origin and front of the blast wave in the form of the equations:

(3)
$$\varphi = \psi - \frac{q}{\sigma + 1} \frac{e^{2} - \delta}{c \varphi}$$

$$\varphi - \psi = \frac{q}{\sigma + 1} \frac{e^{2} - \delta}{c \varphi}$$

$$\theta = \left(\frac{2}{\sigma + 1}\right)^{\frac{1}{2}\delta} \left(\frac{\sigma - 1}{\sigma + 1}\right)^{\frac{1}{2}\delta} \left(c^{2} - \frac{\sigma - 1}{2}\right)^{\frac{1}{2}\delta} \left(1 + \frac{2\sigma}{(\sigma - 1)c^{2}}\right)^{\frac{1}{2}\delta};$$

$$\frac{\sigma - 1}{4V\delta} \left(\varphi + \psi\right)^{\frac{2\sigma}{\delta - 1}} = \frac{2}{\sigma + 1} \left(c^{2} - \frac{\delta - 1}{2}\right);$$
Card 3/9

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824210005-9

Calculation of Point-source Blast (Cont.) 1236

Where C is the velocity of the blast wave. To integrate system (2) at the given boundary conditions, as initial conditions are used the solution of the automodel problem (for $T=C_0$, where t is sufficiently small) obtained by L.I Sedov [Ref. 1]. Before integrating system (2), the behavior of unknown functions in the neighborhood of the blast origin $(C \rightarrow O)$ is investigated. Considering the order of change of unknown functions in the neighborhood of the blast origin and conditions on the outer boundary of certain intervals close to the origin, asymptotic formulas are derived by which it is possible to calculate the values of functions in the central interval using the values of functions on the outer boundary. Section three deals with the numerical solution of the system of partial differential equations (2) by the method of finite differences. The computational net is constructed taking C = constant, C = constant, and a mesh size $\Delta T = \Delta T$. Such a mesh size selection is convenient, because the wave always will pass through the lattice point of a calculation net. The system of differential equations (2) is reduced to a system of difference equations by substituting for partial derivatives the finite differences according to the scheme.

Card 4/9

Calculations of Point-source Blast (Cont.)

1236

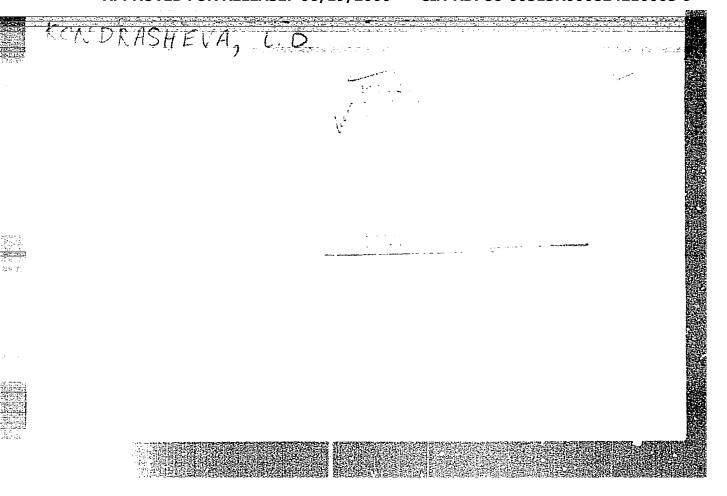
In the second stage 46 calculation intervals were taken. The initial mesh size was taken 6 = .04081627. Calculations were carried out to T = .7.829(t = 0.47sec); $\xi = 21.866(t = 2.1660m)$; $f = f_0 = 1.0078(f = 1.040atm.ab)$. The results of the second stage are represented in 23 graphs and 9 tables. The authors express their gratitude to M.V. Keldysh for his scientific supervision of the present study. They also thank their coworkers of the Mathematics Institute, K.I. Babenko and V.V. Rusanov, for their help in the investigation of the stability of computing schemes and the selection of a new wave-computing version. The authors also thank laboratory workers T.A. Loboda, Yu. S. Userdova, Ye. I. Dolgova and N.P. Baranova for their calculations on the high speed electronic computer of the Academy of Sciences of the U.S.S.R. and for processing computational results in the form of graphs and tables. There are 7 references, of which 2 are Soviet and 5 English.

Card 7/9

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824210005-9
Calculations of Point-source Blast (Cont.)

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Table 4. Change of the parameter values in fixed points Table 5. Impulses of overpressures and duration of the posit pressure phase (at different distances from the blast center)	1ve 59

Card 8/9



KONDRASHEVA, L.D.; PODMOSHEMSKIY, I.V.; PROKOF'INV, V.K.

Pheteelectric metheds in emission spectroscopy. Zav.lab,21 ne.12:
1446-1455 '55.

(Spectrum analysis)

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