

ALEKSEYEV, V. A.

Ideological struggle in 19th century biology. Agrobiologia no.5:790-795 S-O '60. (MIRA 13:10)

(Biology)

ALEKSEYEV, V.A.

Centennial of "Harmony in nature." Agrobiologiya no. 1:138-  
142 Ja-F '61.

(MIRA 14:2)

(Evolution) (Beketov, Andrei Nikolaevich, 1825-1902)

(Biology)

ALEKSEYEV, V.A.; IVANOVA, I.K.; KIND, N.V.; CHERNYSH, A.P.

New data on the absolute age of the Late Paleolithic  
formations of the Molodova V site in the middle Dniester Valley.  
Dokl. AN SSSR 156 no. 2:315-317 My '64. (MIRA 17:7)

1. Predstavleno akademikom V.N.Sukachevym.

ALEKSEYEV, Valeriy Andreyevich; SUVOROV, N.I., otv. red.;  
POMALEN'KAYA, O.T., red.

[Principles of Darwinism; historical and theoretical  
introduction] Osnovy darvinizma; istoricheskoe i teore-  
ticheskoe vvedenie. Moskva, Izd-vo Mosk. univ., 1964.  
439 p. (MIRA 17:11)

CHERDYNTSEV, V.V.; ALEKSEYEV, V.A.; KIND, N.V.; FOROVA, V.S.; ZAVEL'SKIY, V.S.;  
SULERZHITSKIY, L.D.; CHURIKOVA, I.V.

Radiocarbon data of the Laboratory of the Geological Institute  
of the U.S.S.R. Geokhimiia no. 12:1410-1422 D '65  
(MIRA 19:1)

1. Geologicheskii institut AN SSSR, Moskva. Submitted April 20,  
1965.

ALEKSEYEV, V.A.; KIND, N.V.; MATVEYEVA, O.V.; TROITSKIY, S.L.

New data on the absolute chronology of the Upper Pleistocene  
and Holocene of Siberia. Dokl. AN SSSR 160 no.5:1147-1150  
F '65. (MIRA 18:2)

1. Geologicheskii institut AN SSSR. Submitted May 27, 1964.

SOV/70-4-1-9/26  
AUTHORS: Kheyker, D.M., Konstantinov, I.Ye. and Alekseyev, V.A.  
TITLE: The Application of the Scintillation Counter in X-ray  
Structural Analysis (Primeneniye stsintillyatsionnogo  
schetchika v rentgenostrukturnom analize)  
PERIODICAL: Kristallografiya, 1959, Vol 4, Nr 1, pp 54-61 (USSR)  
ABSTRACT: A scintillation counter and recorder with discriminating  
circuits which is suitable for use with the URS-50I  
diffractometer is described. The block diagram is given  
in Figure 1, where:  
1 - crystal, NaI(Tl), size 20x5x1 mm;  
2 - photomultiplier FEU-29;  
3 - cathode follower;  
4 - H.T. stabilised rectifier, 1500 V supply, ripple  
content  $< 0.2\%$ ;  
5 - linear amplifier, rise-time 0.5  $\mu$ sec, maximum  
amplification 4000, resolving time 1-2  $\mu$ sec;  
6, 7 - stabilised amplifier supplies;  
8 - differential discriminator, resolving time  
2.5-3  $\mu$ sec, position (0 to 100 V) and width of  
channel (0-10 V) are continuously variable;

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SOV/70-4-1-9/26

The Application of the Scintillation Counter in X-ray Structural Analysis

- 9 - countering circuit;
- 10 - timing relay;
- 11 - countering circuit, PS-64 type counting 1,4,16, 256 and 1024 with resolving time 2.5-3  $\mu$ sec;
- 12 - electromechanical counter;
- 13 - integrating circuit with 2 ranges 0 to 100 and 0-200 pulses/sec;
- 14 - recorder;
- 15 - mains.

The installation has the following characteristics.  
Linearity: the resolving time of the counter is about 0.25  $\mu$ sec and the limiting factor is the resolving time of the recording circuits, which is about 2.5-3.0  $\mu$ sec, so that the departure from linearity does not exceed 1% up to 3500 counts/sec. Efficiency: the quantum efficiency of the counter is determined by the thickness of the window, usually the reflected beam passes through black paper and 14  $\mu$  Al foil. The absorptions for Mo, Cu and Fe radiation are 2, 20 and 40%, respectively.

Card2/4



SOV/70-4-1-9/26

The Application of the Scintillation Counter in X-ray Structural Analysis

Spectral characteristics: curves are given showing that all usual wavelengths can be employed and that there is good discrimination against noise but that a  $\beta$ -filter should always be used. The counter background is  $\sim 0.1$  counts/sec for Cu radiation. The r.m.s. error in measuring a given line over periods of a day is about 1.5%. In normal use, the efficiency of a Geiger counter may be 30-50% and that of a scintillation counter 80-90%. If there is heavy fluorescence or Compton scattering, the proportional counter will have advantages and a scintillation counter may need a monochromator after the specimen. There are 6 figures and 10 references, 6 of which are Soviet and 4 English.

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SOV/70-4-1-9/26  
The Application of the Scintillation Counter in X-ray Structural  
Analysis-

ASSOCIATIONS: Vniasbesttsement MPSPM SSSR  
Moskovskiy inzhenerno-fizicheskiy institut  
(Moscow Engineering and Physics Institute)

SUBMITTED: November 4, 1957

Card 4/4

S/032/60/026/04/38/046  
B010/B006

AUTHORS: Alekseyev, V.A., Konstantinov, I.Ye., Kheyker, D.M.

TITLE: Scintillator for the Diffractometer of the Type URS-50I

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 4, pp. 501-502

TEXT: The present paper was read at the sixth conference on the application of X-rays for testing materials, which was held in Leningrad, from June 23-29, 1958. A scintillator for the diffractometer of the type URS-50I was designed. The block diagram of the apparatus is shown (Fig. 1). The scintillation counter contains a NaJ (Tl)-scintillation crystal (the crystals were prepared by A.B. Gil'varg, a collaborator of the Institut kristallografii AN SSSR (Institute of Crystallography of the AS USSR)) and an FEU-29 photomultiplier. The measuring arrangement comprises a voltage stabilizer of the type SNE-220-0.75, a PS-10000 translator, and a differential discriminator with the integrator, as well as an EPP-09 potentiometer, which is arranged separately. An amplifier stage of the 6Zh3P tube is used with the discriminator (Fig. 2, scheme of discriminator). The integrator scheme is similar to that of the measuring apparatus of the type "Bambuk". The scintillator described renders possible the counting of 50, 500,

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33366

S/181/62/004/001/042/052  
B111/B104

9.4130 (1138, 2605, 1140)

AUTHORS: Alekseyev, V. A., and Borisov, V. L.

TITLE: Angular distribution of secondary electrons for an MgO power emitter on the basis of a Cu - Al - Mg alloy

PERIODICAL: Fizika tverdogo tela, v. 4, no. 1, 1962, 265 - 271

TEXT: The angular distribution of groups of true secondary electrons and of groups of elastically and inelastically reflected electrons was studied for incident electron energies  $E_p = 150, 400$  and  $800$  ev, and for angles of incidence ranging from  $0$  to  $30^\circ$ . The measuring arrangement included two concentric, evacuated copper spheres with parallel slits. The sample, which had the same potential as the internal sphere, was located at the center. The secondary electrons traversed the slits and incided on a movable collector. The electron current was statically measured with an electrometer. If several retarding potentials are applied in the interior, one obtains the angular distribution for different electron energies. The angular distribution was measured for angles of incidence ranging from

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S/181/62/004/001/042/052

B111/B104

Angular distribution of ...

0 - 30° at primary electron energies of 150, 400, and 800 eV. The secondary electron current, recorded by a beam catcher, lay between  $10^{-11}$  and  $10^{-12}$  A. Volt-ampere characteristics for different angles of emission are presented along with four rather similar polar diagrams of the angular distribution of true secondary electrons as a function of the primary electron energy, of the temperature, and of the degree of activation. In general, certain maxima appear at low temperatures, which are independent of the primary electron energy (N. B. Gornyy, ZhETF, 31, 3(9), 1956) and vanish at higher temperatures. The curves can then be approximated with cosine functions. Of particular importance to the collisions of secondaries with the lattice is the fact that the temperature dependence of the emission coefficient for secondary electrons is consistent with A. Dekker's theory (Ref. 5, see below). Summing up: (1) At 400°C the angular distribution of true secondary electrons can be approximated with a cosine law. It is virtually independent of the angle of incidence, and depends only slightly on  $E_p$  and on the degree of activation; (2) the angular distribution of elastically and inelastically reflected electrons

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B111/B104

Angular distribution of ...

can be represented by a prolate line, the greatest diameter of which coincides with the direction of incidence. The prolate line sharpens ever more with increasing  $E_p$ ; (3) the maxima of slow secondaries for the various angles do not vary with varying energy. Decent V.N. Lepeshinskaya is thanked for placing her laboratory at the authors' disposal. There are 6 figures and 8 references: 3 Soviet and 5 non-Soviet. The four most recent references to English-language publications read as follows: J. L. H. Jonker, Phil. Res. Rep., 8, no. 6, 434, 1953; A. Dekker, Phys. Rev., 94, 1179, 1954; J. Burns, Phys. Rev., 119, no. 1, 102, 1960; J. L. H. Jonker, Phil. Res. Rep., 12, 249, 1957.

SUBMITTED: June 14, 1961 (initially)  
September 6, 1961 (after revision)

X

Card 3/3

S/048/62/026/003/008/015  
B152/B102

AUTHORS: Kheyker, D. M., Zevin, L. S., Konstantinov, I. Ye., and  
Alekseyev, V. A.

TITLE: Application of a proportional counter to x-ray diffraction  
studies

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya,  
v. 26, no. 3, 1962, 388-394

TEXT: By applying a proportional counter the authors were able to reduce the relative background level in roentgenograms. The counter had beryllium side windows and was filled with a mixture of xenon (300 mm Hg) and isopentane (30 mm Hg). The amplitude resolution ( $w = 2.36 \sqrt{1.1/N}$ , N is the number of initial ion pairs produced by one quantum) for  $\text{CuK}_\alpha$  was 13 % and the efficiency for the same line was 72 %. A block diagram of the experimental device is shown in Fig. 5. The amplification factor should be of the order of  $10^5$  and the noise amplitude should not exceed 1/10 of the signal amplitude. In order to reduce the background level,

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Application of a proportional...

S/048/62/026/003/008/013  
B152/B102

a preamplifier (factor 14) is connected in series to the counter. The  $\text{CuK}_\alpha$  and  $\text{FeK}_\alpha$  fluorescence lines are separated without additional changes. The  $\text{FeK}_\beta$  and  $\text{CoK}_\alpha$  pulses can be separated only when a channel is displaced and the  $\text{CuK}_\alpha$  rate is lowered.  $\text{CoK}_\beta$  and  $\text{CuK}_\alpha$  are not separable. On inserting a  $\beta$ -filter also  $\text{CuK}_\alpha$  and  $\text{CuK}_\beta$  could be resolved. The investigation shows that roentgenograms can be improved when the background pulses are, uniformly spread, over the amplitudes. The collaborators of the SKB of x-ray tubes, above all M. I. Teuman and Ye. M. Fridman, are thanked for their assistance in the construction of the counter body. There are 7 figures, 3 tables, and 8 references: 2 Soviet and 6 non-Soviet. The four references to English-language publications read as follows: P. J. Black, J. B. Porsyth, J. Scient. Instrum., 36, no. 9, 392 (1959); A. R. Lang, J. Scient. Instrum., 33, no. 3, 96 (1956); Jun-ichi Chikawa, J. Phys. Soc. Japan, 15, no. 4, 602 (1960); W. Parrish, T. R. Koller, Rev. Scient. Instrum., 27, no. 10, 795 (1956).

Card 2/3

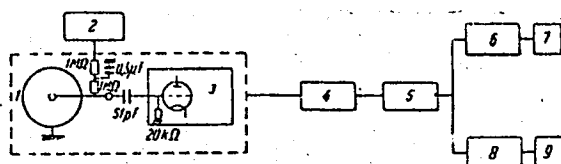


Application of a proportional...

S/048/62/026/003/008/013  
B152/B102

ASSOCIATION: NII asbesttsement, Moskovskiy inzhenerno-fizicheskiy institut  
(Scientific Research Institute of Asbestos and Cement,  
Moscow Engineering Physics Institute)

Fig. 5. Block diagram of the experimental device for the proportional counter: (1) proportional counter, (2) high-voltage rectifier "Orekh", (3) preamplifier of УВ-2 (USh-2), (4) base amplifier УВ-10 (USh-10), (5) differential discriminator ААДО-1 (AADO-1), (6) intensimeter ИСС (ISS), (7) automatic recorder ЭР-09 (EPP-09), (8) scaler, (9) electromechanical counter.



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Fig. 5

ALEKSEYEV, V.I., kand.tekhn.nauk; ZHURAVLEV, V.I., inzh.

Evaluation of the dynamic properties of inertial radiation receivers.  
Svetotekhnika 10 no.2-24 F '64. (MIRA 17:4)

SHEFTAL', N.N., doktor geol.-miner. nauk, red.; ALEKSEYEV, V.A.,  
red.

[Crystallization from the gaseous phase] Kristallizatsia  
iz gazovoi fazy. Moskva, Izd-vo "Mir," 1965. 344 p.  
(MIRA 18:5)

L 12785-66 EWT(1)/EWA(m)-2 IJP(c) AT

ACC NR: AP5026621

SOURCE CODE: UR/0056/65/049/004/1274/1283

AUTHORS: <sup>44,55</sup> Alekseyev, V. A.; <sup>44,55</sup> Sobel'man, I. I. <sup>54</sup>  
<sup>33</sup> B

ORG: <sup>44,55</sup> Physics Institute im. P. N. Lebedev, Academy of Sciences SSSR  
(Fizicheskii institut Akademii nauk SSSR)

TITLE: On a spectroscopic method of investigating elastic scattering of slow electrons

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 4, 1965, 1274-1283

TOPIC TAGS: electron scattering, elastic scattering, spectral line, line width, electron polarization, line shift

ABSTRACT: A connection is established between the displacement or the width of spectral lines near the limit of the spectral series, and the amplitude for the scattering of the <sup>21,44,55</sup> electrons by the perturbing atoms. Account is taken of the contribution made to the scattering by an arbitrary number of partial waves, with allowance for the exchange interaction and without any limitation imposed on the magnitude of the scattering phase shift. The conditions under which the approximations employed in the calculations are valid are discussed. The polarization

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L 12785-66

ACC NR: AP5026621

3  
effect due to the interaction between the perturbing particles and the atomic remainder, which leads to a shift in the frequency of the atomic oscillator, is estimated. It is shown with argon as an example that the calculation of scattering phase shifts can be monitored with the aid of the experimental values of the shift and width of the spectral lines. Authors thank L.<sup>44</sup> A.<sup>55</sup> Vaynshteyn for a discussion. Orig. art. has: 3 figures, 40 formulas, and 1 table.

SUB CODE: 20/ SUBM DATE: 07May65/ NR REF SOV: 009/ OTH REF: 006

HW  
Card

2/2

1. 03004-67 EWT(1) GW/WS-2

ACC NR: AP6033291

SOURCE CODE: UR/0141/66/009/005/1030/1032

AUTHOR: Alekseyev, V. A.; Krotikov, V. D.; Matveyev, Yu. G.; Mikhaylova, N. B.;  
Porfir'yev, V. A.; Ryazanov, V. P.; Sergeyeva, A. I.; Strezhneva, K. M.; Troitskiy,  
V. S.; Shmulevich, S. A.

ORG: Scientific Research Institute of Radiophysics, Gor'kiy University (Nauchno-  
issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitete)

TITLE: Results of measurements of lunar radio emissions at wavelengths of 7.93,  
11.0, 14.2, and 20.8 cm

SOURCE: IVUZ. Radiofizika, v. 9, no. 5, 1966, 1030-1032

TOPIC TAGS: radio astronomy, parabolic antenna, <sup>LUNAR</sup>radio emission, LUNAR ENVIRONMENT

ABSTRACT: The mean effective temperature of the moon was measured in 1964—1965 at Zimenki Station on the 7.93, 11.0, 14.2, and 20.8 cm wavelengths. The basic measuring equipment included a radio telescope antenna 4 m in diameter and two receivers operating on wavelengths of 7.5—15 cm and 15—30 cm. The fluctuation sensitivity threshold of the receiving equipment was from 0.4° to 0.7° at a time constant of 16 sec. The radio emission of the moon was compared with the reference emission of a disk (diameter, 380 cm) coated with absorbing material. The disk was placed in the Fraunhofer region, 230 m from the telescope aperture. The results of measurements of the phase dependence of the moon's effective temperature are shown

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UDC: 523.164.34

L 03004-67

ACC NR: AP6033291

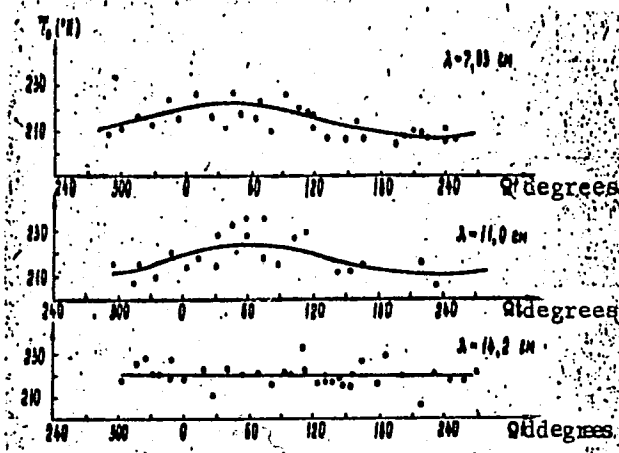


Fig. 1. Phase dependence of the mean effective temperature of the moon

in Fig. 1. A small change in the mean effective temperature as a function of the lunar phase was noted on the 7.93 cm and 11 cm wavelengths. The rms dispersion of the experimental points in regard to the approximated curves is  $\pm 3^\circ$ . The variable portion of lunar radio emission should theoretically be 3.5—4K for the 14.2-cm wavelength. Since the rms dispersion of experimental points approximately equals this value,

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awm

Card 3/3

ALEKSEEV, VALENTIN ALEKSANDROVICH

Opyt raboty lekal'shchikov Uralmashzavoda. Moskva, Mashgiz, 1948.  
35 p. diagrs.

Work experience of gagers in the Ural machine-building plant.

DLC: TJ 1166.A58

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library  
of Congress, 1953.



ALEKSEEV, VALENTIN ALEKSANDROVICH.

U prokatnogo stana. (Moskva) Profizdat. 1949. 61 p. illus.  
(Stakhanovtsy novoi stalinskoi piatiletki)

ELC: TS340.449

At the rolling mill.

SO: Manufacturing and Mechanical Engineering in the Soviet Union,  
Library of Congress, 1953.

Fuel Abstracts  
May 1954  
Steam Raising  
and Steam  
Engines

② *fuel - /plugs*  
✓ 3759. TESTING OF TWO STAGE PULVERIZED FUEL COMBUSTION SYSTEM.  
Kleiseev, V.A. and Kryukov, A.I. (Elekt. Sta. (Pwr Sta., Moscow), Oct. 1953,  
vol. 24, 6-9). Experimental combustion of pulverized fuel involving the  
admission of 35% of the air through the burners and the remainder in the travel  
line of the flame did not yield positive results, presumably owing to the  
absence of correct relationships of velocity and quantities of air in slots  
and burners and the location of the slots being too high in relation to the  
burners.  
B.E.A.

ALEKSEYEV, V.A., inzh.; BEDNYAGIN, A.N., inzh.; DEYEV, L.V., inzh.

Combustion of milled peat in furnaces with shaft-type impact  
mills equipped with burners developed by the Moscow Power Engineering  
Institute and Moscow Regional Power System Administration. Elek.  
sta. 30 no.2:14-16 F '59. (MIRA 12:3)  
(Furnaces) (Peat)

ACC NR:

AP7002825

(N)

SOURCE CODE: UR/0410/66/000/005/0107/0111

AUTHOR: Alekseyev, V. A. (Novosibirsk); Kasperovich, A. N. (Novosibirsk); Litvinov, N. V. (Novosibirsk)

ORG: none

TITLE: Dynamic error in analog-digital converters with a device for recording the measured voltage level

SOURCE: Avtometriya, no. 5, 1966, 107-111

TOPIC TAGS: analog digital converter, recording equipment, error minimization

ABSTRACT: This paper examines the causes of the dynamic components in the recording-device error and the connections between its parameters, conversion error, and limiting frequency of the measured voltage of sinusoidal form. The minimum attainable errors in the recording device are shown in their dependence on the parameters of the switch used in this device; gain in limiting frequency of measured voltage with use of this device is also determined. The recording device, usually consisting of a switch and a memory capacitor, works in four stages: (1) switch closes, (2) capacitor charges, (3) switch opens, and (4) capacitor charges with a larger time constant than before and the analog-digital converter measures the recorded or fixed during this interval. The paper relates the measuremental result to the moment of completion of charging. This makes it possible to leave out of consideration the delay in issuing

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UDC: 681.142.621

ACC NR: AP7002825

the result; this delay is the time taken to do the measuring and is sometimes treated as a phase error effect. The dynamic error has a number of components arising principally from incomplete charging in stages (2) and (4). The final equation

$$f_f/f_0 \leq \frac{\delta_{con}}{2B} \cdot \frac{r_o}{r_i + r_c} \cdot \frac{r_n}{r_o + r_n} \text{ where } f_0 \text{ is input amplitude; } f_f, \text{ recorded amplitude;}$$

$\delta_{con}$ , dynamic error of converter; B, measuring range;  $r_i$ , source voltage;  $r_c$ , closed switch resistance;  $r_o$ , open switch resistance; and  $r_n$ , converter input resistance. A concluding note is that a similar approach may also be used to analyze the dynamic error of a recording device measuring voltage of any shape. Orig. art. has: 15 formulas and 2 figures.

SUB CODE: 09,14/SUBM DATE: 31Mar66/ ORIG REF: 004/ OTH REF: 001

Card 2/2

Card 1/1

UDC: 681.142.523.8

ALEKSEYEV, Valentin Borisovich; DRUTSKO, Vitaliy Pavlovich; MITASOV,  
Yevgeniy Timofeyevich; PEVZNER, G.Ye., otv. red.; CHERNEGOVA, E.N.,  
red. izd-va; OVSEYENKO, V.G., tekhn. red.; SABITOV, A., tekhn. red.

[Drift miner] Prokhodchik gorizontal'nykh i naklonnykh gornyykh  
vyrabotok. Moskva, Gosgortekhnizdat, 1963. 210 p. (MIRA 16:6)  
(Mining engineering)

AYRUNI, Arsen Tigranovich, kand. tekhn. nauk; ALEKSEYEV, Viktor Borisovich; BURSHTEYN, Mark Aleksandrovich; GEYMAN, Leonid Mikhaylovich; GRABILIN, Yuriy Nikolayevich; KILIMOV, Sergey Leonidovich; SOSNOV, Vladimir Dmitriyevich; SENCHEVA, Valentina Ivanovna; SUYETIN, Georgiy Georgiyevich; FEYGIN, Lev Mikhaylovich; SHEVCHENKO, Vadim Dmitriyevich; KAZAKOV, B.Ye., otv. red. toma; TAYTS, T.L., red.; OSVAL'D, E.Ya., red. izd-va; MINSKER, L.I., tekhn. red.

[The coal industry of capitalist countries] Ugol'naya promyshlennost' kapitalisticheskikh stran. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.2.[Technology, mechanization, and organization of development workings] Tekhnologiya, mekhanizatsiya i organizatsiya rabot pri provedenii podgotovitel'nykh gornykh vy-rabotok. Otv. red. toma: B.E.Kazakov, V.D.Sosnov, G.G.Suetin.  
(MIRA 16:2)  
1962. 351 p.

1. Moscow. Tsentral'nyy institut tekhnicheskoy informatsii ugol'noi promyshlennosti. 2. Tsentral'nyy institut tekhnicheskoy informatsii ugol'noy promyshlennosti, Moscow (for Suetin, Sencheva).
3. Gosudarstvennyy proyektnyy institut po avtomatizatsii ugol'noy promyshlennosti (for Feygin). 4. Gosudarstvennyy komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (for Sosnov).
5. Vsesoyuznyy tsentral'nyy proyektnyy institut po proyektirovaniyu shakhtnogo stroitel'stva kamennougol'noy promyshlennosti (for Burshteyn, Shevchenko). 6. Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo po ugol'noy promyshlennosti (for Geyman).

(Continued on next card)

AYRUNI, Arsen Tigranovich--- (continued). Card 2.

7. Ukrainskiy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva (for Alekseyev, Klimov).
8. Institut gornogo dela imeni Skochinskogo (for Ayruni).  
(Coal mines and mining)



MITASOV, Ye.T.; ALEKSEYEV, V.B.; KRASOVSKIY, I.P., red. izd-va

[Mining operations in building the Soligorsk Potassium  
Combine] Gornye raboty na stroitel'stve Soligorskogo kalinogo  
kombinata; informatsionnoe soobshchenie. Moskva, Gosgortekh-  
izdat, 1962. 10 p. (MIRA 16:3)

(Soligorsk region--Potassium salts)  
(Mining engineering)

DANCHICH, Vladimir Vasil'yevich; ALEKSEYEV, Vitaliy Borisovich;  
Grabilin, Yu.N., otv. red.; MESHCHANKINA, I.S., tekhn.  
red.

[Use of temporary supports during horizontal and inclined  
mining operations] Opyt primeneniia vremennoi krepri pri  
provedenii gorizonta'l'nykh i naklonnykh gorn'nykh vyrabotok;  
obzor. Moskva, TSentr. in-t tekhn. informatsii ugol'noi  
promyshl. 1962. 21 p. (MIRA 16:11)

(Mine timbering)

KOZHEVNIKOV, A.N.; LAZEBNIKOV, Yu.S., dots.; MIROSHNIK, B.Ye., dots.; SHADRIN, N.A., prof.; Primali uchastiye: SUBBOTIN, B.K., st. prepod.; VOROTNIKOV, V.I., dots.; ANPILOGOV, R.G., retsenzent; ALEKSEYEV, V.B., retsenzent; LYUBOMUDROV, A.P., retsenzent; CHERNOV, P.N., retsenzent; PESKOVA, L.N., red.; BOBROVA, Ye.N., tekhn. red.;

[Economics of railroad engineering] Ekonomika zheleznodorozhnogo stroitel'stva. [By] A.N.Kozhevnikov i dr. Moskva, Transzheldorizdat, 1963. 242 p. (MIRA 17:1)

ALEKSEYEV, V. B.

ALEKSEYEV, V. B.

23120 oboshovaniye vybora rabochikh parametrov traktornykh skreperov.  
sbornik nauch. trudov (Tashk. in-T. Inzhenerov Zh. - D.  
Transporta), Vyp. 2, 1949, C. 116-32. - Bibliogr: 13 Nazv.

SO: LETOPIS' NO. 31, 1949

RASKIN, A.M., dotsent, kandidat tekhnicheskikh nauk; ALEKSEYEV, V.B.,  
dotsent, kandidat tekhnicheskikh nauk; POZHARISSEY, P.P.,  
assistent

Combating blowing of road bed soils during the construction of  
railroads in sandy deserts. Trudy TASHIT no.3:67-89 '51.

(MIRA 8:10)

(Railroads--Construction) (Soil stabilization)

YAKUSHKIN, F.A.; ALEKSEYEV, V.B.; LITVIN, G.A., kandidat tekhnicheskikh nauk, redaktor; ~~V. B. Alekseyev~~, G.P., tekhnicheskiiy redaktor

[Earthwork on railroad constructions by means of mechanized columns] Proizvodstvo zemlianykh rabot na zheleznodorozhnom stroitel'stve mekhanizirovannymi kolonnami. Moskva, Gos. transp. zhel-dor. izd-vo, 1954. 118 p. (MIRA 8:6)  
(Railroads--Earthwork)

ALEKSEYEV, V.B., dots., kand.tekhn.nauk

Using a volumetric curve for distributing earth masses in  
mechanized production. Trudy DIIT no.27:131-139 ' 58.  
(MIRA 12:1)

(Railroads--Earthwork)

ALEKSEYEV, V.B., dots., kand.tekhn.nauk

Determining the most efficient width for excavator cuts.  
Trudy DIIT no.27:140-144 ' 58. (MIRA 12:1)  
(Railroads--Earthwork)



ALEKSEYEV, V.B., kand.tekhn.nauk, dots.; RODIONOV, Ye.G., inzh.

Installation of uprights by means of the washing out of  
soil. Elek.i tepl.tiaga 3 no.7:28 J1 '59. (MIRA 13:3)  
(Electric lines--Poles)  
(Electric railroads--Wires and wiring)

ALEKSEYEV, V.B., kand.tekhn.nauk

Using vibration meters during the vibration compaction of  
soil and concrete. Stroi. i dor. mash. 7 no.8:21-23  
Ag '62. (MIRA 15:9)  
(Soil stabilization) (Vibrated concrete)

PURTSELADZE, A.O.; TOKMAN, M.Ya.; ALEKSEYEV, V.B., kand.tekhn.nauk;  
KOBYAK, S.S., inzh.; KUVSHINNIKOVA, R.I., inzh.

Using electronic computers in planning the carrying-out  
of earthwork. Transp. stroi. 16 no.1:6-8 Ja '66.

(MIRA 1961)

1. Upravlyayushchiy trestom Sredazstroyemkhanizatsiya (for  
Purtseladze). 2. Zamestitel' nachal'nika tekhnicheskogo otдела  
tresta Sredazstroyemkhanizatsiya (for Tokman).

ALEKSEYEV, V. D.

Fertilizers and Manuers

Fertilizing forest stock on sandy soil. Les i step' 4 no. 7, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

NAZAROV, M.P., dotsant, kand.tekhn.nauk; ALEKSEYEV, V.D., inzh.

Investigating the dielectric permeability of gypsum during  
dehydration processes. Trudy RISI no.15:109-119 '58.

(Dielectrics)

(Gypsum--Testing)

(MIRA 13:6)

ALEKSEYEV, Vasil'y Dmitriyevich; OSTRYAKOV, Konstantin Ignat'yevich;  
BRAYLOVSKIY, N.G., inzh. red.; IL'IN, B.M., tekhn.red.

[Conductor's handbook on railroad car maintenance] Pamiatka  
konduktoru po ukhodu za vagonami v poezdakh. Moskva, Gos.  
transp. zhel-dor. izd-vo, 1958. 106 p. (MIRA 11:12)  
(Railroads--Freight cars--Maintenance and repair)

KOMAROV, S.G.; SAMOKHVALOV, S.F.; BELAVENTSEV, N.V.; BOMBARDIROV, P.P.;  
AMELINA, A.A.; BLIZHYUK, V.F.; LADYGIN, V.I.; PEROV, A.H.; VASIL'YEV,  
I.P.; BRODOVICH, N.B.; RABINOV, A.M.; ~~ALEKSEYEV, V.D.~~; YEGOROV,  
V.A., inzh.,red.; ARSHINOV, I.M., inzh.,red.; VERINA, G.P., tekhn. red.

[Handbook on the repair of freight cars] Spravochnik po remontu  
gruzovykh vagonov. Moskva, Gos. transp. zhsl-dor. izd-vo, 1958. 503 p.  
(MIRA 11:12)

(Railroads--Freight cars--Maintenance and repair)

ALEKSEYEV, V.D.

Air distributors for passenger car brake systems. Biul.tekh.-ekon.  
inform. no.2:59-61 '58. (MIRA 11:4)  
(Air brakes)



ALEKSEYEV, V.D., inzh.

Modernizing railroad cars. Zhel. dor. transp. 40 no.5:60-63 My '58.  
(Railroads--Cars) (MIRA 11:6)

ALEKSEYEV, Vasilii Dmitriyevich; POPOV, Aleksandr Ivanovich; SIZOV,  
~~Konstantin Iavlovich~~; ~~SMOLKIN~~, G.Ye., red.; BOBROVA, Ye.N.,  
tekhn.red.

[Mechanization of operations for the repair of freight cars]  
Mekhanizatsiia rabot pri remonte gruzovykh vagonov. Moskva,  
Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia,  
1960. 268 p. (MIRA 14:4)  
(Railroads--Freight cars--Maintenance and repair)

DOBROSEL'SKIY, Konstantin Mikhailovich; ALEKSEYEV, V.D., retsenzent;  
MISHURIS, B.I., retsenzent; STARTSEV, A.N., retsenzent; SUR-  
ZHIN, S.N., retsenzent; MANYUKOV, G.S., inzh., red.; BOBROVA,  
Ye.N., tekhn. red.

[Maneuvering in railroad stations] Manevry na zheleznodorozhnykh  
stantsiiakh. Izd.2., perer. i dop. Moskva, Vses. izdatel'sko-  
poligr. ob"edinenie M-va putei soobshcheniia, 1961. 207 p.

(MIRA 14:11)

(Railroads--Stations)

BABENKO, Vitaliy Il'ich; VOLOSHCHENKO, Nikolay Karpovich; FEL'DMAN,  
Moisey Froimovich; ALEKSEYEV, V.D., inzh., retsenzent;  
BRAYLOVSKIY, N.G., inzh., red.; VOROTNIKOVA, L.F., tekhn.red.

[Inspection and repair of freight cars in stations of mass  
loading and unloading] Osmotr i remont gruzovykh vagonov na  
stantsiyakh massovoi pogruzki i vygruzki; opyt Donetskoi do-  
rogi. Moskva, Transzheldorizdat, 1962. 49 p.

(MIRA 16:1)

(Railroads--Freight cars--Maintenance and repair)

MORDVINKIN, Nikolay Aleksandrovich; ALEKSEYEV, V.D., retsenzent;  
ANISIMOV, P.S., retsenzent; SARANTSEV, Yu.S., red.;  
MEDVEDEVA, M.A., tekhn. red.

[Inspection and repair of cars in trains] Osmotr i remont  
vagonov v poezdakh. Moskva, Transzheldorizdat, 1963. 245 p.  
(MIRA 16:5)  
(Railroads--Cars--Maintenance and repair)

ALEKSEYEV, V.F.; TIKHONOVA, A.S.; LYUBAVSKIY, V.K., veterinarnyy vrach po  
boleznyam ptits

For the establishment of healthy poultry flocks. Veterinariia  
42 no.8:4-6 Ag '65. (MIRA 18:11)

1. Direktor Vitebskoy ptitsefabriki (for Alekseyev).
2. Glavnyy veterinarnyy vrach Vitebskoy ptitsefabriki (for Tikhonova).
3. Vitebskaya oblastnaya veterinarnaya laboratoriya (for Lyubavskiy).

ACCESSION NR: AP5004475

S/0038/64/028/005/1083/1090

1. SUMMARY

The summary is a brief statement of the main points of the report.

The summary is a brief statement of the main points of the report.

The summary is a brief statement of the main points of the report.

2. ANALYSIS: The summary is previously formulated in terms of the following:

1. The summary is a brief statement of the main points of the report.

3. REFERENCES

4. DISCUSSION

5. CONCLUSIONS

6. REFERENCES

7. OTHER: 007

JPRS

ALEKSEYEV, V. G. Cand Vet Sci -- "Therapy of infectious vaginitis (follicular vestibulitis) *of* ~~in large cattle by means of~~ *with* the oil extract of eucalyptus leaves."

Nizhniy Tagil, 1959 (Min of Agr USSR. Novoherkassk Zoovet Inst im ~~2nd Mounted~~  
1st Mounted Army). (KL, 1-61, 203)



ALEKSEYEV, V.C. (Moscow)

Some methods for accurate evaluations of a parameter of a  
Gaussian random process. Teor. veroiat. i ee prim. 9 no.3:  
516-519 '64. (MIRA 17:10)

ALEKSEYEV, V.G.

Conditions of strong equivalence of Gaussian measures in a  
functional space. Dokl. AN SSSR 159 no.3:482-484 N '64  
(MIRA 18:1)

1. Institut fiziki atmosfery AN SSSR. Predstavleno akademikom  
A.N. Kolmogorovym.

ALEKSEYEV, V.G. (Moscow)

Conditions for mutual singularity of Gaussian measures  
corresponding to two random processes, Teor. veroiat. i ee  
prim. 8 no.3:304-308 '63. (MIRA 16:8)

S/020/62/147/004/001/027  
B112/B186

AUTHOR: Alekseyev, V. G.

TITLE: Conditions for the orthogonality and equivalence of Gaussian measures in functional space

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 147, no. 4, 1962; 751 - 754

TEXT: Processes  $\xi(t)$  are considered over the interval  $0 \leq t \leq 1$ . Their spectral density and the corresponding Gaussian measure in functional space are denoted respectively by  $f_{\xi}(t)$  and  $m_{\xi}$ . For processes with steady Gaussian increments and the mean 0, the following two sufficient conditions of equivalence (1) and orthogonality (2) are derived: If the process  $\xi(t)$  and the process  $\eta(t)$  with  $f_{\eta}(\lambda) = f_{\xi}(\lambda) + f_{\xi}(\lambda)$  are separable; if the distributions of the probabilities of  $\xi(0)$  and  $\eta(0)$  are equivalent; if  $f_{\xi}(\lambda) \geq c_1/(1 + |\lambda|^{\alpha_1})$  ( $c_1 > 0$ ) (1) and if, for a certain  $\lambda_0 > 0$ ,  $f_{\xi}(\lambda) \leq c_2/|\lambda|^{\alpha_2}$  ( $|\lambda| > \lambda_0$ ), (2) where  $\alpha = \alpha_2 - \alpha_1 > 1/2$ , then  $m_{\eta} \sim m_{\xi}$ . If for certain  $\lambda_0 > 0$ ,  $c_1 \geq 0$  and  $c_2 > 0$  the conditions  $f_{\xi}(\lambda) \leq c_1/|\lambda|^{\alpha_1}$  are satisfied, then  $m_{\eta} \sim m_{\xi}$ .

Card 1/2

~~SECRET~~  
55  
Analysis of devices for the measurement of the spectra of turbulent

Measurement, pulsation spectrum correction

L 63465-65

ACCESSION NR: AP5019150

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ALEKSEYEV, V.G.; MOKUL'SKIY, M.A.; PERMOGOROV, V.I.

Study of biopolymers by using a new photoelectric spectropolarimeter of high sensitivity. Biofizika 10 no.2:347-349 '65. (MIRA 18:7)

1. Institut atomnoy energii imeni Kurchatova AN SSSR.

KRAVTSOV, Aleksandr Feodos'yevich; ALEKSEYEV, V.G.

[Control and automation of metallurgical processes; a laboratory  
manual] Kontrol' i avtomatizatsiia metallurgicheskikh protsessov;  
laboratornyi praktikum. Izd. 2., stereotipno. Kiev, Gos. izd-vo  
tekhn. lit-ry USSR, 1960. 1 v. (MIRA 14:8)  
(Metallurgical plants) (Automatic control)



Alekseyev, V. G.

PHASE I BOOK EXPLANATION 807/910

Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov  
Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov  
i reagentov. Collection of Articles. Moscow, Goskhimizdat, 1979.  
186 p. (Series: Izdatiya, vyp. 25) First edition. 1,700  
copies printed.

Sponsoring Agency: USSR. Soviet Minister. Gosstatizvestiya komitet po bilim.

Ed.: Yu.Ye. Lyudskiy. Tech. Ed.: Ye.S. Shpak; Editorial Board of Series:  
V.G. Brudskiy, V.M. Belokob, R.P. Lazorenko (Resp. Ed.), A.M. Tobin,  
G.E. Mal'tsev, G.I. Mikhaylov, G.A. Petrasov (Deputy Resp. Ed.), and  
I.G. Shafraev.

PURPOSE: This book is intended for personnel of chemical research and industrial  
chemical laboratories.

CONTENTS: The book contains 36 articles by scientists of the Scientific Research  
Institutes for Chemical Reagents (IPI) treating methods which may be adopted  
by different branches of industry in producing, analyzing, and studying inor-  
ganic and organic substances of high purity. Figures, tables, and references  
accompany each article. 30 personalities are mentioned.

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SOV/11-59-2-13/14

AUTHORS: Alekseyev, V.G., and Levenshteyn, M.L.

TITLE: On the Question of Stratigraphy of the Permian Deposits of the Donets Basin (K voprosu o stratigrafii Permskikh otlozheniy Donetskogo basseyna)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1959, Nr 2, pp 127-128 (USSR)

ABSTRACT: The Technical Production Council of the "Artemuglegeologiya" Trust proposes new names for some of the suites of the Permian period of the Donets Basin.

Card 1/1

ALEKSEYEV, V.G.

122-2-20/33

AUTHORS: Askinazi, B.M., Candidate of Technical Sciences, and  
Alekseyev, V.G.

TITLE: Properties of the Surface Layer of Cast Iron after Electro-  
mechanical Polishing (Kachestvo poverkhnostnogo sloya  
chuguna posle elektromekhanicheskogo sglazhivaniya)

PERIODICAL: Vestnik Mashinostroyeniya, 1958, No.2, pp. 59-61 (USSR)

ABSTRACT: A high-intensity current (300-800 A) of low voltage  
(0.5-4 V) is passed through the tool and workpiece during  
machining. A temperature of 800-900 °C forms at the contact  
point. The results of tests with grey cast iron machined by  
tungsten carbide tools are reported. Fig.2 shows an optimum  
current of 500 A and an optimum pressure of 60 kg to achieve  
the best surface finish. Fig.3 shows an optimum cutting speed  
of about 100 m/min. The surface finish goes on improving with  
a falling rate of feed (Fig.4). In multi-pass polishing, the  
first pass achieves the greatest result (Fig.5). The surface  
finish before polishing affects the final finish roughly  
proportionately. The micro-structure of the surface layer is  
subject to a grain size reduction to a depth of 0.2 mm and a  
deformation to a depth of 0.8 mm. A comparison of the wear  
resistance of electro-mechanically polished and ground specimens  
shows the former to have nearly twice the wear resistance of the

Card1/2

ALEKSEYEV, V. G.

AID P - 4105

Subject : USSR/Electricity  
Card 1/1 Pub. 27 - 16/24  
Author : Alekseyev, V. G., Eng.  
Title : Electric connection diagrams of hydroelectric power stations. (Discussion of the article of N. N. Krachkovskiy, this journal, No. 11, 1953 and Nos. 1 and 5, 1955).  
Periodical : Elektrichestvo, 11, 80, N 1955  
Abstract : The author criticizes the absence of calculations in the article of N. N. Krachkovskiy which would permit estimating the efficiency of the proposed diagrams. He analyses the suggested diagrams from the point of view of their economic efficiency.  
Institution : Uglich Hydroelectric Power Station  
Submitted : No date

L 1965-66(A)

ACCESSION NR: AP5021819

UR/0322/65/000/004/0074/0075  
641.4

AUTHOR: <sup>44</sup>Chizhov, G. B.; <sup>44</sup>Feofanova, V. I.; <sup>44</sup>Alekseyev, V. G. <sup>24</sup>  
79  
B

TITLE: Relationship between the temperature and the permissible storage period of certain food products

SOURCE: IVUZ. Pishchevaya tekhnologiya, no. 4, 1965, 74-75

TOPIC TAGS: <sup>44</sup>food storage, food refrigeration, potato, butter, hog fat, carrot, food technology

ABSTRACT: The exponential relationship established earlier between the permissible period and temperature of storage was checked in products rich in fats (dairy and melted butter, hog fat) and carbohydrates (potatoes, carrots). The samples were stored at 0, 18, and 25°C. The peroxide numbers were determined in the butters and hog fat by titrating the samples dissolved in a chloroform-glacial acetic acid mixture with sodium thiosulfate. The potato and carrot samples were analyzed for carbon dioxide evolved during respiration. Taking as the parameter for the butters and fat the maximum values of peroxide numbers reached at 0°C, and for potatoes and

Card 1/2

ALEKSEYEV, V.G.

Analysis of the performance of instruments for measuring the  
time-dependent spectra of turbulent fluctuations. Izv. AN  
SSSR. Fiz. atm. i okean. 1 no.7:688-695 JI '65.

(MIRA 18:8)

1. Institut fiziki atmosfery AN SSSR.

ALEKSEYEV, V. I., kand.sel'skokhoz.nauk; DANIL'CHENKO, N.V. (g.Alma-Ata)

Establishing irrigation norms for agricultural crops by the  
evaporation deficit method. Gidr. i mel. 12 no.8:10-15 Ag  
'60. (MIRA 13:8)

(Alma-ata Province--Irrigations research)

ALEKSEYEV, V.I., kand.sel'skokhos.nauk (Alma-Ata)

Methods of studying the irrigation requirements of farm crops.  
Gidr. 1 mel. 15 no.10:11-15 0 '63. (MIRA 17:2)



S/035/62/000/001/032/038  
A001/A101

AUTHOR: Alekseyev, V.I.

TITLE: On tables for calculating distances measured with medium optical range finders with variable modulation frequency

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 1, 1962, 26-27, abstract 1G189 ("Tr. Novosib. in-ta inzh. geod., aerofotos"yemki i kartogr.", 1961, v. 14, 113 - 118)

TEXT: The author presents formulae for compiling the tables intended for conversion of readings of a wave meter directly into length of half-wave of light modulation (as applied to CBB -1 (SVV-1) range finder). The formulae are given in two variants: in the form convenient for compiling the program of calculating the tables on an electronic computer, and in the form convenient for calculations without an electronic computer (e.g., by means of an adding machine). The calculation of similar tables for the CИД (SDD) range finder (TsNIIGAIK) was performed in 4 hours with an "Ural" computer. Compilation of tables by means of an adding machine will take about 60 man-hours.

[Abstracter's note: Complete translation]

M. R.

Card 1/1

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S/035/62/000/011/079/079

A001/A101

AUTHOR: Alekseyev, V. I.

TITLE: A comparative evaluation of medium optical range finders

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 11, 1962, 34 - 35, abstract 11G250 ("Tr. Novosib. in-ta inzh. geod., aerofotos" - yemki i kartogr.", 1961, v. 15, 87 - 101)

TEXT: On the basis of investigations performed by TsNIIGAIK in 1960 and 1961, the author compares qualities and merits of electric optical range finders of the types: CBB-1 (SVV-1) (model 1958), СДД -60 (SDD-60), ГД -300 (GD-300) and NASM-3. He points out that these range finders are suitable for measurements in triangulation and polygonometry of 2 - 4 classes. Information on range finders is presented in a table (page 35). X

A. K.

[Abstracter's note: Complete translation]

Card 1/1 /

PAKHOMOV, V.B., kand. tekhn. nauk; NAUMOV, A.I., inzh.; SHELMANOV, V.S., inzh.; KONSTANTINOV, V.P., inzh.; KOSTIN, A.M., inzh.; SEMENOV, YU.K., inzh.; PYATLIN, A.A., kapitan; VAGANOV, G.I., kand. tekhn. nauk; SVIRIDOV, A.A., inzh.; KHODUNOV, M.Ye., kand. yurid. nauk; SAPOGOVA, A.Ye., inzh.; SOYUZOV, A.A., doktor tekhn. nauk, prof., red.; VASIL'YEV, A.V., kand. tekhn. nauk; ALEKSEYEV, V.I., red.; KUSTOV, L.I., red.; VITSINSKIY, V.V., red.; BORISOV, I.G., red.; SOLAREV, N.F., red.; ANDRIYENKO, V.I., red.; SUTYRIN, M.A., red.; GOLOVNIKOV, V.I., red.; ZOTOVA, V.V., red.

[Manual for the navigator of a river fleet] Spravochnik sudovoditelia rechnogo flota. Izd.2., dop. Moskva, Transport, 1965. 423 p. (MIRA 18:2)

1. Gor'kovskiy institut inzhenerov vodnogo transporta (for Pakhomov, Semenov, Vaganov, Vasil'yev). 2. Moskovskiy rechnoy tekhnikum (for Naumov). 3. Volzhskoye ob'yedinennoye rechnoye parokhodstvo (for Shelmanov, Sapogova). 4. Ministerstvo rechnogo flota (for Konstantinov, Sviridov). 5. Kazanskiy port (for Kostin). 6. Moskovskoye rechnoye parokhodstvo (for Pyatlin).

ALEKSEYEV, V.I., otv. za vypusk

[Programs for individual and brigade training of markers] Programmy  
dlia individual'noi i brigadnoi podgotovki razmetchikov. Moskva,  
Vses.uchebno-pedagog.izd-vo Proftekhizdat, 1959. 23 p.

(MIRA 13:9)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po professio-  
nal'no-tekhnicheskomu obrazovaniyu.

(Metalwork--Study and teaching)

SHNEYERSON, I.M., inzh.; ALEKSEYEV, V.I., inzh.

Breakdown of gears caused by vibration. Vest.mash. 41 no.4:8-12  
Ap '61. (MIRA 1413)

(Gearing--Vibration)

ALEKSEYEV, V.I., inzhener.

Irreversible ball valves in pipe fittings. Sudostroenie 22  
no.10:36-37 0 '56. (MLRA 10:2)

(Valves)

ALEKSEYEV, V.I.; AVDREYEV, Yu.Ye.

Centralized and automatic control of machines in a coal-preparation  
section, Koks i khim. no.5:12-15 '56. (MLRA 9:10)  
(Coal preparation) (Automatic control)

14(1)

SOV/66-59-2-15/31

AUTHORS: Alekseyev, V., Yelufimov, N., Prikhodovskaya, A., Uzhanskiy, V.

TITLE: Partial Automation of Dry Ice Plants (Chastichnaya avtomatizatsiya zavodov sukhogo l'da)

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 2, pp 53-55 (USSR)

ABSTRACT: Partial automation has been introduced in 2 dry ice plants in the opytnyy kholodil'nik VNIKhI (Experimental Cold Storage Plant VNIKhI) and the Moskovskiy kholodil'nik Nr 10 (Moscow Cold Storage Plant Nr 10), covering automatic regulation of gas; the system has been worked out by VNIKhI. The installation consists of a regulator of desorption pressure, a regulator of heating steam and a regulator of the level of the secondary condensate in the storage tank. The transducer of the pressure regulator of desorber, ChMP-6, is connected with the refrigerator of gas and transforms the changes in pressure into electric signals which are amplified in the electronic control device ER-III and actuate the servo mechanism PR-1. The pressure regulator has the transducer located on the boiler and the control device on the feed pipe. The level regulator of the secondary condensate operates on a two-positional principle; the floating transducer DU-4 has an induction transformer connected with the relaying

Card 1/2



Partial Automation of Dry Ice Plants

SOV/66-59-2-15/31

control device, which controls the solenoid valve on the line leading to the absorber. The automation of the gas part of the installation facilitates the work of the attendants and improves the control of the technological process.

There are 1 circuit diagram and 1 photo.

Card 2/2

SOV/66-59-4-7/28

14(1)

AUTHORS: Alekseyev, V., and Yakobson, V.

TITLE: DU-4 Level Control Relay With Induction Transducer

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 4, pp 29-33 (USSR)

ABSTRACT: A relay or remote level indicator is the most important part in the automatic control system of a refrigeration installation. VNIKhI has developed a level control relay, the DU-4, equipped with a transducer with a coil of variable induction resistance, which type has no other moving parts, except a float and a tube. If the level of the refrigerant rises, the tube which is welded to the float passes into the solenoid, thereby increasing its inductivity, which causes the current to fall accordingly from 0.2 - 0.25 to 0.03 - 0.05 a; to the coil circuit one or more electromagnetic relays of the ET-523 type are connected, which type is described in the article. These relays are intended to actuate signalling devices, such as lamps and bells; they can also control the solenoid valve or the starter of the compressor. The level control relay is also used as automatic device for the safety cut-out. The article enumerates the advantages of the DU-4 over the previous DU-3

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DU-4 Level Control Relay With Induction Transducer

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model; these consist mainly in greater reliability and simplicity, as well as in the possibility of operating under vibration and at low temperatures.

There are: 2 circuit diagrams, 1 set of graphs and 6 references, 3 of which are Soviet, 1 German, 1 English and 1 Danish.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti  
(All-Union Scientific Research Institute of Refrigeration Industry)

Card 2/2

ALEKSEYEV, V.I.; YAKOBSON, V.B.

Assembling and operation of automatic instruments at refrigerating  
plants. Khol. tekhn. 38 no. 1:53-57 Ja-F '61. (MIRA 14:4)  
(Refrigeration and refrigerating machinery)  
(Automatic control)

ALEKSEYEV, V.I.; ROTENBERG, A.G., kand.tekhn.nauk

RU-4 level relay. Khol.tekh.38 no.2:14-18 Mr-Ap '61. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy  
promyshlennosti.

(Refrigeration and refrigerating machinery)  
(Liquid level indicators)

ALEKSEYEV, V.I.; YAKORSON, V.B.

Assembling and operating automatic instruments at cold  
storage warehouses. Khol.tekh. 38 no.2:57-60 Mr-Ap '61. (MIRA 14:3)

(Cold storage warehouses)  
(Automatic control)

ALEKSEYEV, V.I.; YAKOBSON, V.B.

Assembling and operating automatic devices in coolers.  
Khol. tekhn. 38 no.3:56-60 My-Je '61, (MIRA 15:1)  
(Cold storage warehouses)  
(Automatic control)

ALEKSEYEV, V.I.; RAYKIN, V.A.

Adjustment of the "Amur" machine. Khol.tekh. 40 no.5:57-59  
S-0 '63. (MIRA 16:11)



ALEKSEYEV, V.I., inzh.; RAYKHLIN, V.A., inzh.

Control of the condensate level and protection of compressors  
against hydraulic hammer in dry ice factories. Khol.tekh. 40  
no.6:45-47 N-D '63. (MIRA 17:4)

ACCESSION NR: AP4029845

S/0279/64/000/002/0180/0185

AUTHOR: Alekseyev, V. I. (Moscow); Shvartsman, L. A. (Moscow)

TITLE: Comments on the experimental data on the thermodynamics of  $\text{Mo}_2\text{C}$  and WC

SOURCE: AN SSSR. Izv. Metallurgiya i gornoye delo, no. 2, 1964, 180-185

TOPIC TAGS: molybdenum carbide, tungsten carbide, thermodynamics, transitional metal, metalloid, carbide

ABSTRACT: Recently, interest has grown in the study of thermodynamic properties of transitional metals, especially their compounds with metalloids and particularly carbides. The significance of the thermodynamic properties of molybdenum carbide and tungsten carbide is important for solving a number of technical problems. The authors attempt to explain the cause of the discrepancies among the data of recent research. Graphs of the temperature dependence are given as well as reaction formulas. It is shown that the direct experimental results of Gleiser's and Chipman's work on the thermodynamics of the formation reaction of  $\text{Mo}_2\text{C}$  (Gleiser, M., Chipman, I. Free Energy of Molybdenum Oxide and Carbide. J. Phys. Chem., 1962, vol. 66, p. 1539) confirmed the respective data presented in these authors' previous article (Alekseyev, V. I., Shvartsman, L. A. Svobodnaya energiya obrazovaniya

Cord 1/2

ACCESSION NR: AP4029845

karbida molibdena  $\text{Mo}_2\text{C}$  (free energy of formation of molybdenum carbide  $\text{Mo}_2\text{C}$ ) Izv. AN SSSR OTN, Metallurgiya i toplivo, 1962, no. 6). The same agreement of results is found between the authors' other works (Alekseyev, V. I., Shvartsman, L. A. Termodinamika obrazovaniya karbidov vol'frama (thermodynamics of tungsten carbide formation) Izv. AN SSSR, OTN, Metallurgiya i gornoye delo, 1963, no. 1, p. 91 and Gleiser, M., Chipman, I. Free Energy of Formation of Tungsten Carbide, WC Trans. metallurgical Soc. AIME, 1962, vol. 224, p. 1278) dedicated to determining the thermodynamic characteristics of tungsten carbide formation. Orig. art. has: 19 formulas and 2 figures

ASSOCIATION: none

SUBMITTED: 10Jul63

DATE ACQ: 30Apr64

ENCL: 00

SUB CODE: ML

NO REF SOV: 002

OTHER: 007

Card 2/2

ALEKSEYEV, V.I. (Moskva); SHVARTSMAN, I.A. (Moskva)

Remarks on experimental data from the study of the thermodynamics  
of  $\text{Mo}_2\text{C}$  and WC. Izv. AN SSSR Met. 1 gor. delo no.2:130-1 5 Mr-Ap'64  
(MIRA 17:8)

SUROVOY, Yu.N.; SHVARTSMAN, L.A.; ALEKSEYEV, V.I.

Character of the chemical bonding in transition metal carbides and nitrides. Fiz. met. i metalloved. 20 no.2:251-257 Ag '65. (MIRA 18:9)

1. Tsentral'nyy nauchno-issledovatel'skiy institut enerzhiy metal-lurgii imeni I.P.Bardina.

SUROVOY, Yu.N.; ALEKSEYEV, V.I.; SHVARTSMAN, L.A.

Effect of iron on the thermodynamic activity of carbon in complex carbides of the  $(Fe_xMo_y)_2C$  type. Izv. AN SSSR. Necrg. mat. 1 no.10:1816-1821 0 '65.

(MIRA 18:12)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii imeni I.P.Bardina. Submitted July 5, 1965.

L 07058-67 EWI(m)/EWP(t)/ETI 13P(c) JD/JG	
ACC NR: AF6021632	SOURCE CODE: UR/0089/66/020/003/0273/0275
AUTHOR: <u>Alekseyev, V. I.; Yegorov, O. K.; Konstantinov, L. V.; Porbnikov, V. V.</u> 44	
ORG: none 41	
TITLE: <u>Small pulsed fission chambers</u> /9 B	
SOURCE: Atomnaya energiya, v. 20, no. 3, 1966, 273-275	
TOPIC TAGS: nuclear reactor technology, fissile material, nuclear fission, neutron detector, reactor neutron flux, <i>NUCLEAR PHYSICS APPARATUS</i>	
<p>ABSTRACT: The described fission chambers were used to measure the distributions of neutrons in the active zone of the reactor of the <u>Beloyarsk Nuclear Power Station</u>/im. I. V. Kurchatov during the physical starting. Two models were constructed. One could be used without a cadmium screen in the fuel element tubes and with a cadmium screen in the central tube of the working channel of the reactor. This chamber was built in a stainless steel housing 5.5 mm diameter (0.25 mm thick) and had a cathode of aluminum and a layer of fissioning material (0.5 mg/cm<sup>2</sup> of U<sup>235</sup> (90% enriched), Pu<sup>239</sup>, and Th<sup>232</sup>). The second variant, unlike the first, could be used to make measurements with cadmium screen in the fuel elements of the working channels of the reactor. This chamber had a stainless steel housing of 2 mm diameter and an anode in the form of a tungsten wire coated with U<sup>235</sup> (90%) of thickness 2 mg/cm<sup>2</sup>. The chambers were filled with commercial argon to 4 atm pressure for the first type and 10 atm for the second. These pressures resulted in maximum pulse amplitude at the chamber output.</p>	
Card 1/2	UDC: 621.039.564.2

L 07058-67

ACC NR: AP6021632

3

The first type of chamber had a sensitivity (when <sup>235</sup>uranium was used) of approximately  $10^{-3}$  counts/neut/cm<sup>2</sup>, while the second had a sensitivity two orders of magnitude lower. A dual chamber, intended for measurement of the effective temperature of the neutron gas in the reactor, is also described. The authors thank M. P. Bodrilin and Yu. M. Potatuyev for help in the preparation of the chambers. Orig. art. has: 3 figures.

SUB CODE: 18/ SUBM DATE: 01Sep65/ ORIG REF: 001/ OTH REF: 001

Card 2/2 LC



ACC NR: AP7002605	(A)	SOURCE CODE: UR/0413/66/000/003/0113/0113
INVENTOR: <u>Alekseyev, V. I.</u>		
ORG: none		
TITLE: An adjustable throttle. Class 47, No. 189262		
SOURCE: Izobretoniya, promyshlennyye obraztzy, tovarnyye znaki, no. 23, 1966, 113		
TOPIC TAGS: machine accessory, nonelectric regulator, flow regulation		
ABSTRACT: This Author Certificate presents an adjustable throttle containing a casing, adjusting elements, adjustment scales, and stops for fixing the adjusting elements (see Fig. 1). To regulate accurately the progress of the working medium in the throttle casing, the fine-adjustment element is placed parallel to the coarse-adjustment element. The former is made in the form of a cylindrical collar connected with the internal opening of the throttle casing. A narrow slit is provided in the collar, and is covered by a cylindrical plug moving inside the collar. This slit connects the internal and the external throttle openings.		
Card 1/2	UDC: 621.646.32-543.2	

ACC NR: AP7002605

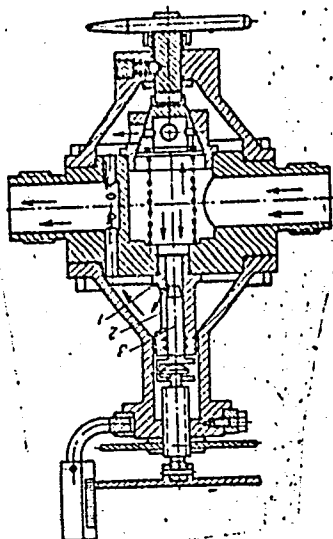


Fig. 1. 1 - cylindrical collar; 2 - slit; 3 - cylindrical plug

Orig. art. has: 1 figure.

SUB CODE: 13, 14/ SUBM DATE: 28Feb64

Card 2/2

L 01049-67 EWT(d)/EWT(m)/EWP(t)/ETI IJP(c) JD/GG

ACC NR: AP6030968

SOURCE CODE: UR/0181/66/008/009/2679/2687 81  
B

AUTHOR: Pavlov, P. V.; Temel'baum, D. I.; Zorin, Ye. I.; Alekseyev, V. I.

ORG: Gorkiy State University im. N. I. Lobachevskiy (Gor'kovskiy gosudarstvennyy universitet)

TITLE: Distribution of atoms and radiation defects<sup>19</sup> introduced in ion bombardment of silicon (Calculation by the Monte-Carlo method)<sup>16</sup>

SOURCE: Fizika tverdogo tela, v. 8, no. 9, 1966, 2679-2687

TOPIC TAGS: silicon, ion bombardment, ion energy, Monte Carlo method, atom, impurity atom, atom distribution, radiation defect

ABSTRACT: The results are presented of calculation (by the Monte-Carlo method) of the distribution of the impurity atoms introduced during silicon bombardment by boron ions with energies of 20—60 kev and by aluminum, phosphorus and arsenic ions with the energies of 25—150 kev. In addition, the distribution of radiation defects in the bombardment by boron and aluminum ions is computed. The results obtained are analyzed from the viewpoint of dependence on the energy and mass of

Card 1/2

ALEKSEYEV, V. I.

89-10-22/36

AUTHORS: Osipov, A. I., Shvartsman, V. A., Alekseyev, V. I., Surov, V. F.  
Sazonov, M. ., Bul'skiy, M. T., Telesov, S. A., Skrebtsov, A. M., Ofengenden,  
A. M., Gol'dshteyn, L. G., Sviridenko, F. F.

TITLE: The use of Radio Isotopes when Investigating the Kinetics of Scrap  
Fusion and Slag Formation in the Scrap-Ore Process. (Primeneniye  
radioaktivnykh isotopov dlya izucheniya kinetiki plavleniya skrapa  
i shlakooobrazovaniya pri skrap-rudnom protsesse)

PERIODICAL: Atomnaya Energiya, 1957, Vol. 3, Nr 10, pp. 352-355 (USSR)

ABSTRACT: 1) Investigation of the kinetics of scrap fusion.  
The fusion velocity in the 130 and 350 ton open hearth furnaces is  
shown on the basis of the reduction of the specific activity of  
standard metal samples (400 g), which contain Co-60 with the help  
of 12 counting tubes of the MC-4 type.  
From the dependence obtained between the molten scrap quantity and  
the time which has elapsed since introduction of the scrap, it fol-  
lows that nearly 100% of the scrap is molten already after about  
200 minutes.  
2) Investigation of the kinetics of slag formation.  
CaO, in which Ca-45 was included, was used for this investigation.  
The CaO is introduced into the liquid slag in closed metallic tubes  
and standard samples for measuring are taken out only after a lapse  
of time of 30-35 minutes. As measurement for the velocity in which  
Ca dissolves in the slag, the relation

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