

BAYDA, Leonid Il'ich; DOBROTVORSKIY, Nikolay Stepanovich; DUSHIN, Yevgeniy Mikhaylovich; MOKIYENKO, Dobroslava Nikolayevna; PREOBRAZHENSKIY, Aleksey Alekseyevich; PCHELINSKAYA, Sof'ya Nikodimovna; STAROSEL'TSEVA, Yelena Aleksandrovna; FREMKE, Andrey Vladimirovich, doktor tekhn. nauk, prof.; ORSHANSKIY, D.L.; PREOBRAZHENSKIY, A.A., red.; SOBOLEVA, Ye.M., tekhn.red.

[Electrical measurements; a general course] Elektricheskie izmereniya; obshch.i kurs. Izd.3., perer. i dop. [By] L.I. Baida i dr. Moskva, Gosenergoizdat, 1963. 428 p.
(MIRA 17:3)

VGUYANEVSKIY, V.A.; PCHELINA, Z.M.

Unusual lateral organs on the tail of the anchovy. Zool.zhur.
34 no.4:869-870 J1-Ag '55. (MIRA 8:9)

1. Sevastopol'skaya biologicheskaya stantsiya Akademii nauk
SSSR imeni A.O.Kovalevskogo
(Anchovies)

L 22061-66 EWT(1)/EWT(n)/EFT(n)-2/T/ENP(t) IJP(c) JD/JW/JG/GG
ACC NR: A16009642 SOURCE CODE: UR/0181/66/008/003/0680/0683

AUTHOR: Golubeva, L. A.; Pchelinskaya, S. N.; Smiryagina, S. A.; Shishelov, A. A.

ORG: Leningrad Polytechnic Institute im. M. I. Kalinin (Leningradskiy politekh-
nicheskiy institut) 27 49 48 B 27

TITLE: On the influence of x-irradiation on certain properties of lithium-fluoride
single crystals 14

SOURCE: Fizika tverdogo tela, v. 8, no. 3, 1966, 680-683

TOPIC TAGS: lithium fluoride, single crystal, x irradiation, color center, crystal
defect, dielectric loss, crystal lattice vacancy

ABSTRACT: The purpose of the investigation was to establish a connection between
the change in the volumes of the cells of LiF crystals and the occurrence in these
crystals of processes which change the dielectric losses. To this end, single
crystals of LiF were exposed to x-rays at doses ranging from 2.1 to 86.7 micro-
roentgen and their dielectric constant and capacitance measured with an ac bridge
(60--20 kcs). The results showed that the crystal lattice constant increased even
with the smallest x-ray dose, indicating that irradiation produces not only the
appearance of color centers but also of lattice defects which increase the losses.

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L 22061-66

ACC NR: AP6009642

The accompanying decrease in density (measured by a flotation method) can be shown to be due only to a change in the lattice volume. The increase in the lattice constant and the change in the loss angle due to the irradiation are briefly discussed from the point of view of formation of vacancies as a result of ionization. The decrease in conductivity leads to a decrease in the dielectric losses. The authors thank B. P. Konstantinov for help with the work. Orig. art. has: 3 figures, 1 formula, and 1 table.

SUB CODE: 20/ SUBM DATE: 05Jul65/ ORIG REF: 002/ OTH REF: 007

Card 2/2 *mg5*

PCHELINTSEV, A.M.

Tangential stresses on the lateral surface of the foundation
produced by the thawing of ground. Mat.k osn.uch.o serz.zon.
zem.kory no.3:163-166 '56. (MIRA 13:9)
(Foundations) (Thawing) (Strains and stresses)

РЕХЕЛИНТСЕВ, А. М.

14(10); 3(5) PHASE I BOOK EXPLOITATION 307/2843

Soveshaniye po rabotal'nym sposobam fundamntostroyeniya na vchnosnykh gruntakh.

Trudy... (Transactions of the Conference on Efficient Methods of Building Foundations on Permafrost Soils) Moscow, Gosstroyizdat, 1959. 131 p. Errata slip inserted. 1,200 copies printed.

Ed. of Publishing House: N. M. Borshchovskaya; Tech. Ed.: Ye. L. Tsukina.

PURPOSE: This book is intended for construction engineers, industrial planners and builders.

COVERAGE: This book contains reports originally read in Vorukta in 1959 on experience gained in mining and building foundations in permafrost regions of the USSR. The reports were prepared for publication in Trudy (Scientific Research Institute for the Study of Foundations and Underground Structures). The book was written by Professor V. G. Bulychev. No references are given.

Rabin, V. P. Construction Conditions and the Exploitation of Mining Enterprises in the Pechora Coal Basin 47

Shil'tsev, A. I. Construction of Industrial Plants on Permanently Frozen Ground With Subsequent Settling 56

Markin, K. Z. Designing Pile Foundations Under Permafrost Conditions 58

Fehelintsev, A. M. Special Characteristics of Foundation Settlement in the City of Igarka 64

Khalayev, S. A., and V. M. Yedolazkin. Methods of Restoring the Deformed Principal Buildings in Vorukta 67

Yegorov, V. M. Analysis of Work and Computing the Reinforcement of Foundations on Permafrost Soils. Taking Into Account Uneven Settling of the Bearing Ground 75

Yegorov, V. M., and V. M. Sokolova. New Data on Frost Heaving of Foundations 100

Shchelokov, K. K. Decreasing the Depth of Foundation Laying by Keeping the Ground in a Frozen State 109

Kraschenko, I. I. Frost Heaving of Ground and Foundations (discussion) 113

Chebotillo, A. M. Non-Soviet Experience in Building Foundations on Permanently Frozen Ground 119

Porkhava, G. Y. Maximum Thawing of Perennially Frozen Ground Under Heated Buildings (two-dimensional solution) 124

Burka, I. K. Settling of the Foundations of Industrial Structures of the Vorkutaugol Combine 127

AVAILABLE: Library of Congress

Card 4/4

MS/Mmh
1-18-60

11

PCHELINTSEV, A.M.

Anisotropy of the swelling of frozen dispersed rocks. Dokl.AE
SSSR 134 no.1:85-87 S '60. (MIRA 13:8)

1. Institut merzlotovedeniya im. V.A.Obrucheva Akademii nauk SSSR.
Predstavleno akad. A.V.Shubnikovym.
(Frozen ground)

PCHELINTSEV, A.M.

Genesis of ice inclusions in frozen ground. Trudy Inst.merzl.
AN SSSR 18:85-88 '62. (MIRA 16:2)
(Frozen ground)

PCHELINTSEV, A. M.

Microscopic studies of the ice structure in a formation epi-
genetically frozen in the Igarka region. Trudy Inst. merzl.
AN SSSR 19:113-124 '62. (MIRA 16:1)

(Igarka region--Ice)

PCHELINTSEV, Aleksandr Mikhaylovich, USHKALOV, V. P., YEFIMOV, Adrian Ivanovich
DEMENT'YEV, Anatoliy Ivanovich,

"Engineering and geocryological research"

report to be submitted for the Intl. Conference on Permafrost, Purdue Univ,
Lafayette Indiana, 11-15 Nov 63

PCHELINTSEV, Aleksandr Mikhaylovich; SHUMSKIY, P.A., prof.,
otv. red.

[Structure and physicommechanical properties of frozen
ground] Stroenie i fiziko-mekhanicheskie svoistva merz-
lykh gruntov. Moskva, Izd-vo "Nauka," 1964. 259 p.
(MIRA 17:6)

FCHELINTSEV, A.V., inzh.

New type of a pneumatic concrete hoist. Energ. stroi. no. 31:
70-72 '62. (MIRA 16:7)

1. Stroitel'stvo Kiyevskoy gidroelektrostantsii.
(Hoisting machinery)

PCHELINTSEV, A.V., inzh.

Concrete. Energ.stroi. no.23:130-136 '61.

(MIRA 15:1)

1. Nachal'nik betonnoy khozyaystva stroitel'stva Kremenchugskoy
gidroelektrostantsii.
(Kremenchug Hydroelectric Power Station--Concrete structures)

ABDULVELIYEVA, Z.A.; BASH, P.I.; KORYAKIN, L.K.; PCHELINTSEV, A.Ye.

Ways to simplify mine surveying operations. Kolyza 21 no.3:31-32
Mr '59. (MIRA 12:6)

1. Priisk im. M. Gor'kogo.
(Mine surveying)

PGHBLINTSEV, D.A.

Device for automatic stopping of fluids at the zero mark of a
burette. Zav.lab. 22 no.3:361-362 '56. (MLRA 10:5)

1. Institut geologicheskikh nauk Akademii nauk SSSR.
(laboratories--Apparatus and supplies)

PCHELINTSEV, I.N.

The VO-808 semiautomatic unit for electric welding of bantam tube
leads. Biul.tekh.-ekon.inform. no.9:27-28 '61. (MIRA 14:9)
(Electric welding--Equipment and supplies)

L 29546-65 EWI(d)/I/EWP(1) IJP(c)

ACCESSION NR: AP5002680

S/0280/64/000/006/0023/0026

AUTHOR: Pchelintsev, L. A. (Moscow)

10
B

TITLE: Fault localization as an absorbing Markov chain

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 6, 1964, 23-26

TOPIC TAGS: fault localization, electronic equipment

ABSTRACT: Let the electronic equipment consist of N arbitrarily-connected elements for which the a-priori distribution of failure probability is known. There is also a finite phase space of checks C , each having its definite cost and covering a subset of elements; the check may have three outcomes: positive, negative, and indefinite. An optimal strategy (which minimizes the average cost of search) of fault localization is regarded as a Markov process. A Markov chain whose all nontransitional states are absorbing is called an absorbing chain. The method supplies optimal strategy for finding one faulty element. Although in the general

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L 29546-65

ACCESSION NR: AP5002680

case m matrices ($C \times m$) are required, in practice the space C is rather limited, and X will contain much less than $(2^m - 1)$ states. Orig. art. has: 1 figure, 4 formulas, and 1 table.

ASSOCIATION: none

SUBMITTED: 18Jul64

ENCL: 00

SUB CODE: EC, MA

NO REF SOV: 002

OTHER: 004

Card 2/2

MAKARENKO, M.V.; PCHELINTSEV, P. Ye.

Basic features in the formation of structures and oil pools
in the northwestern part of the Bol'shoy Kinel' arch. Geol.
nefti i gaza 5 no.7:19-24 J1 '61. (MIRA 14:9)

1. Neftepromyslovoye upravleniye Kinel'neft'.
(Bol'shoy Kinel' Valley--Petroleum geology)

* MAKARENKO, M.V.; VIKTORIN, V.D.; VOSTRIKOV, Ye.S.; PHELINTSEV, P.Ye.
SHEVCHENKO, B.M.

Preliminary results of the development of the Yablonskoye
field. Geol. nefi i gaza 6 no.2:35-38 F '62. (MIRA 15:2)

1. Neftpromyslovoye upravleniye Kinel'neft'.
(Kinel' District--Oil fields--Production methods)

MAKARENKO, M.V.; PHELINTSEV, P.Ye.

Carboniferous and Devonian sediments in the northwestern part
of the Bol'shoy Kinel'bank. Geol. nefti i gaza 6 no.1:28-32
Ja '62. (MIRA 15:1)

1. Neftepromyslovoye upravleniye Kinel'naft'.
(Bol'shoy Kinel' Valley--Petroleum geology)
(Bol'shoy Kinel' Valley--Gas, Natural--Geology)

SMIRNOV, V.P.; YAKOVLEV, A., kand.tekhn.nauk; PCHRLINTSEV, V., kand.
tekhn.nauk; BUSHEV, V., insh.; FEDORUKHO, V., insh.

Fire-testing of large-panel houses. Posh.delo 6 no.8:
7-11 Ag '60. (MIRA 13:8)
(Fire-testing)

ROYTMAN, Miron Yakovlevich; PCHELINTSEV, V.A., red.; BUTT, V.P., red.
izd-va; LELYUKHIN, A.A., tekhn. red.

[Fire-prevention measures in building] Pozharnaia profilaktika
v stroitel'nom dele. Izd.2., perer. Moskva, Izd-vo M-va kommun.
khoz. RSFSR, 1961. 367 p. (MIRA 15:2)
(Fire prevention) (Building, Fireproof)

PCHELINTSEV, Vladimir Fedorovich; MARTINSON, G.G., doktor geol.-
miner. nauk, otv. red.

[Mesozoic Murchisoniata of the Crimean Mountains] Murchi-
soniata mezozoida gornogo Kryma. Moskva, Nauka, 1965. 21 p.
(MIRA 18:5)

PHELINTSEV, V.F.; LYSENKO, N.I.

Geology of the Eastern Taurus of the Crimea. Trudy Geol. muz. AN
SSSR no.14:129-140 '63. (MIRA 17:11)

PCHELENKO, I., AKOPYAN, V.T., ALIYEV, O.B.

Geographic distribution of Gastropoda in the Upper Cretaceous
sediments of Transcaucasia. Izv. AN Arm. SSR. Nauki o zem. 18
no. 3/4: 3-7, 1965. (MIRA 18:9)

PHELINTSEV, Vladimir Fedorovich; KUZNETSOV, S.S., prof., otv.red.;
CHIZHOV, A.A., red.izd-va; KRUGLIKOVA, N.A., tekhn.red.

[Formation of the Crimean Mountains] Obrazovanie Krymskikh
gor. Moskva, Izd-vo Akad.nauk SSSR, 1962. 87 p. (Akademia nauk
SSSR. Geologicheskii muzei. Trudy, no.14). (MIRA 16:2)
(Crimean Mountains—Geology)

PCHELINTSEV, Vladimir Fedorovich; KUZNETSOV, S.S., otv. red.;
KULAGINA, T.I., red.izd-va; VINOGRADOVA, N.F., tekhn. red.

[Mesozoic Gastropoda of the Crimean Mountains] Briukhoniye
mesozoya gornogo Kryma. Moskva, Izd-vo Akad. nauk SSSR, 1963.
130 p. (MIRA 16:7)

(Crimean Mountains--Gastropoda, Fossil)

POBELINTSEVA, A.F., MAKOV, N.A., SLYUSAREVA, L.P.

Spectrochemical determination of boron traces in extra-pure
silicon tetrachloride. Zav.lab. 28 no.6:677-678 (62).

(MIRA 15-5)

(Silicon chlorides)

(Boron Spectra)

S/032/62/028/006/009/025
B101/B138

AUTHORS: Pchelintseva, A. F., Rakov, N. A., and Slyusareva, L. P.

TITLE: Spectrochemical determination of boron traces in highly pure silicon tetrachloride

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 6, 1962, 677 - 678

TEXT: A method is described for concentrating boron traces in highly pure SiCl_4 , based on the formation of the nonvolatile and insoluble complex compound $(\text{C}_6\text{H}_5)_3\text{CCl}\cdot\text{BCl}$ in the presence of triphenyl chloro methane. 8 ml of the SiCl_4 sample with 2 mg triphenyl chloro methane, and 40 mg carbon powder which is spectrally pure with regard to boron, are mixed at dry-ice temperature for 1 hr. SiCl_4 is then evaporated in N_2 at 45 - 50°C and dried below 100°C (as the complex begins to decompose at 150°C). The sample is placed in the cavity of a carbon electrode which is spectrally pure with regard to boron. The recording is made with an MCH-28 (ISP-28) spectrophotometer in a d.c. arc, the sample connected as anode being

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ORLOV, Yu.A., glavnyy red.; MARKOVSKIY, B.P., zam.glavnogo red.; RUZHENITSEV, V.Ye., zamestitel' glavnogo red.; SOKOLOV, B.S., zamestitel' glavnogo red.; EBERZIN, A.G., otv.red.toma; KIPARISOVA, L.D., red.; SHIMANSKIY, V.N., red.; VAKHRAMEYEV, V.A., red.; GEKKER, R.F., red.; GROMOVA, V.I., red.; DAVITASHVILI, L.Sh., red.; KRYMGOL'TS, G.Ye., red.; LUPPOV, N.P., red.; OBRUCHEV, D.V., red.; OVECHKIN, N.K., red.; POKROVSKAYA, I.M., red.; PCHELINTSEV, V.F., red.; RADCHENKO, G.P., red.; RAUZER-CHERNOUSOVA, D.M., red.; RODENDORF, B.B., red.; ROZHDESTVENSKIY, A.K., red.; FLEROV, K.K., red.; FURSENKO, A.V., red.; KHABAKOV, A.V., red.; CHERNYSHEVA, N.Ye., red.; KOJDE, K.B., red.izd-va; POLENOVA, T.P., tekhn.red.

[Fundamentals of paleontology; reference book in 15 volumes for paleontologists and geologists of the U.S.S.R.] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadsati tomakh. Moskva, Izd-vo Akad.nauk SSSR. Vol.3. [Mollusks: Loricata, Bivalvia, Scaphopoda] Molluski - pantsirnye, dvustvorchatye, lopatonogie. Otvet.red. A.G.Eberzin, 1960. 299 p.
(Mollusks, Fossil) (MIRA 14:1)

PCHALINTSEV, V.F.

Aptian Nerineidae in the Donets-Basin. Trudy Geol. muz. AN SSSR
no.2:3-6 '60. (MIRA 13:10)
(Donets Basin—Gastropoda, Fossil)

PRHELINTSEV, V.F.

New data on the fauna of the Lusitanian state in the Pamirs. Trudy
Geol. muz. AN SSSR no.2:7-18 '60. (MIRA 13:10)
(Pamirs--Paleontology)

PCHELINSEV, V. F.

"New Trends in the Field of Landslide Control," Priroda, 10, pp. 20-25,
Leningrad, 1946.

Pchelinskaya, Sof'ya Nikodimovna

BAYDA, Leonid Il'ich; DOBROTVOORSKIY, Nikolay Stepanovich; OREHANSKIY, Dmitriy L'vovich; *PCHELINSKAYA, Sof'ya Nikodimovna*; RAZUMOVSKIY, Nikolay Nikolayevich; SVIJSKIY, Yevgeniy Antonovich, [deceased]; YEMKE, Andrey Vladimirovich, professor, doktor tekhnicheskikh nauk; KAZARNOVSKIY, D.M., redaktor; ZABRODINA, A.A., tekhnicheskii redaktor.

[Electric measurements; general course] Elektricheskie izmereniya; obshchii kurs. Izd. 2-e, perer. Moskva, Gos. energeticheskoe izd-vo, 1954. 496 p. (MIRA 7:12)
(Electric measurements)

ORLOV, Yu.A., glavnyy red.; MARKOVSKIY, B.P., zam.glavnogo red.;
 RUZHENITSEV, V.Ye., zam.glavnogo red.; SOKOLOV, B.S., zam.glavnogo
 red.; SARYCHEVA, T.G., otv.red.toma; VAKHRAMEYEV, V.A., red.;
 GEEKER, R.P., red.; GROMOVA, V.I., red.; DAVITASHVILI, L.Sh., red.;
 KRYMGOL'TS, G.Ye., red.; LUPPOV, N.P., red.; OBRUCHEV, D.V., red.;
 OVECHKIN, N.K., red.; POKROVSKAYA, I.M., red.; PCHELINTSEV, V.F.,
 red.; RADCHENKO, G.P., red.; RAUZER-CHERNOUSOVA, D.N., red.;
 RODENDORF, B.B., red.; ROZHDESTVENSKIY, A.K., red.; SUBBOTINA,
 N.N., red.; TAKHTADZHAN, A.L., red.; FLEROV, K.K., red.; FURSENKO,
 A.V., red.; KHABAKOV, A.V., red.; CHERNYSHEVA, N.Ye., red.;
 KHERZIN, A.G.; NEVESSKAYA, L.A., red.izd-va; POLENOVA, T.P.,
 tekhn.red.

[Fundamentals of paleontology; manual in fifteen volumes for
 paleontologists and geologists of the U.S.S.R.] Osnovy paleonto-
 logii; spravochnik dlia paleontologov i geologov SSSR v pistnadtsati
 tomakh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane
 nedr. Vol.7. [Polyzos, Brachiopoda. Supplement: Phoronidea]
 Mashinki, brakhiopody. Prilozhenie: Foronidy. Otv.red.T.G.
 Sarycheva. 1960. 342 p. plates. (MIRA 14:4)
 (Polyzos, Fossil) (Brachiopoda, Fossil)
 (Phoronidea, Fossil)

VERESHCHAGIN, V.E.; PHELINTSEV, V.F.

Find of Actaeonella in the Sikhote-Alin' Range. Trudy Geol. muz.
AN SSSR no.2:40-44 '60. (MIRA 13:10)
(Sikhote-Alin' Range--Gastropoda, Fossil)

PCHELINTSEV, A. M.

"Morphological Description of Thermal-Karst Process in Yakutin," Permafrost Science, Vol 1,
No 2, 1946 (95-105).
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

PHELINTSEV, A. M.

A new drill for taking samples of frozen ground with the structure undisturbed.

Pochvovedeniye, 1951, 1, 57-59

TRANS - 2524467, 30 Apr. 1954

PCHELINTSEV, A.M., starshiy nauchnyy sotrudnik

Instructions for determining volumetric weight, moisture content,
and volumetric ice content of frozen ground in field laboratories.
Mat.po lab.issl.merzl.grunt. no.2:32-54 '54. (MLBA 8:8)

1. Tsentral'naya laboratoriya Instituta merslotovedeniya Akademii
nauk SSSR.

(Frozen ground)

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1,
p 171 (USSR) 15-57-1-1067

AUTHOR: Pchelintsev, A. M.

TITLE: Tangential Stresses on the Marginal Surface of the Basement, Produced by Thawing of the Soil (O kasatel'nykh napryazheniyakh na bokovoy poverkhnosti fundamenta, obuslovlennykh protsessom ottaivaniya grunta)

PERIODICAL: Materialy k osnovam ucheniya o merzlykh zonakh zem. kory, Nr 3, Moscow, AN SSSR, 1956, pp 163-166

ABSTRACT: Field experiments have shown that during thawing of ice-saturated frozen ground tangential stresses are developed. These stresses act on the marginal surface of the basement that occurs in this zone. The indicated stresses (the value of which for silty sandy loams amounts to about 0.05 kg/cm^2) appear to be the result of shrinking of the thawing ground and are

Card 1/2

PCHLINTSEV, D.A.

Rapid method of determining calcium and magnesium carbonates in
limestones, dolomites, and marls. Kora vyvetr. no.2:417-420 '56.
(MIRA 9:8)

(Carbonates (Mineralogy))(Mineralogy, Determinative)

PEHELINTSEV, D.A.

Permanently Member of the Academy of Sciences of the USSR
of the Ministry of Geology and Geophysics

Inst. Geological Sci., Acad. Sci., USSR

PCHELINTSEV, P.A. 11

M

POTENTIOMETRIC METHOD FOR DETERMINATION OF ZINC IN BRONZE. B.A. PCHELINTSEV (ZAVOD. LAB., 1948, 14, (12), 1489)--(In Russian) A modified version of the apparatus described by Kholopin (ibid., 1935, 4, 1108) is used to determine Zn after Cu and Fe have been removed in the usual way. The filtrate of 200-250 ml. remaining after Fe has been separated with NH3 is neutralized with strong H2SO4, added drop by drop. After one drop in excess has been added, the solution is boiled for several minutes and then transferred to the apparatus for titration. The liquid is stirred and 0.1N-KMnO4 solution added drop by drop until the colour is discharged very slowly. The circuit is then completed and titration carried out with 0.01M-K4Fe(CN)6.2H2O solution. During this process the needle of the galvanometer moves to the right after each addition and then returns to its initial position. The titration is slowed down when the rate of swinging of the needle indicates that the process is approaching its end. The end of the titration is taken as the point beyond which one further drop of cyanide solution will cause the needle to be sharply displaced without returning to its initial position. N.B. V.

ASS-514 METALLURGICAL LITERATURE CLASSIFICATION

1304 177-02170

140380 02

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

PHELINTSEV, D. A.

Potentiometric determination of large amounts of manganese. D. A. Pchelintsev. *Zashchita Lab.* 21: 1307-B (1955).—The potentiometric method for detg. Mn based on the $KMnO_4$ oxidation of Mn^{2+} in a phosphate soln. is recommended as a sensitive method in which 0.02-0.1 g. samples and 0.001-0.01 M. soln. are used. Detailed directions for analysis are given. The results are very good. W. M. Strubberg

Pchelintsev, N. F.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr. 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Pchelintsev, N. F.	"Gastropod Fauna of the Upper Cretaceous Strata of the Trans-Caucasus and Central Asia"	Geological Museum imeni A. P. Karpinskiy, Academy of Sciences USSR

80: W-30504, 7 July 1954

PARKHIT'KO, V.P.; KRASIN, A.K., prof., doktor fiz.-matemat.nauk, obshchiy
red.; PCHZLINTSEVA, N.M., red.; VLASOVA, N.A., tekhn.red.

[Inexhaustible resource] Neisчерpaemyi. Moskva, Izd-vo Glav.
uprav.po ispol'zovaniiu atomnoi energii pri Sovete Ministrov
SSSR, 1959. 149 p. (MIRA 13:1)
(Atomic energy)

2019 Pchelintsev, U.F.

Bryukbonogae Verkhnemeluykh Otlokhenny Arzyanskoy SSR I Prilegayushchey
Chasti Azerbaydzhanskoy S.S.R. M.L., Izd-Vo Akad. Nauk SSSR., 1954.
180 S.S Ill.; 23 L. Ill. 27 sm (Akad. Nauk SSSR. Geol. Muzey IM. A.P.
Karpinskogo. Seriya Monografich. No 2). 1.200 IKZ. 17r. 65k. V. Per.-
Bibliogr: s s 162-74. (54-56861) p 564.3(116) (47.92) † (015.3)

POHELITSSEV, V., inzh.

Motion-picture films made on the triacetate basis. Posh. delo 4 no.6:
8 Je '58. (MIRA 11:5)
(Cinematography--Films) (Cellulose acetates)

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[Some problems in the physics of elementary particles and of
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PHASE I BOOK EXPLOITATION

80V/5369

USSR. Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii

Sanitarnyye pravila raboty s radioaktivnymi veshchestvami i istochnikami ioniziruyushchikh izlucheniy (Sanitary Regulations for Working With Radioactive Substances and With Sources of Ionizing Radiation) Moscow, Gosatomizdat, 1960. 117 p. Errata slip inserted. 50,000 copies printed.

Sponsoring Agency: Ministerstvo zdravookhraneniya SSSR. Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii.

Ed.: G. M. Pchelintseva; Tech. Ed.: N. A. Vlasova.

PURPOSE: This book is intended for laboratories, establishments, enterprises, and other organizations of ministries or departments which use, transport, or store radioactive substances and sources of ionizing radiation.

COVERAGE: The book contains safety regulations which must be complied with by personnel engaged in the design, building, reequipping, and operation of laboratories,

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Sanitary Regulations (Cont.)

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establishments, and buildings intended for operations utilizing radioactive substances and sources of ionizing radiation. The maximum permissible levels of ionizing radiation and the maximum permissible concentrations of radioactive substances stipulated in Appendix 2 are an inherent part of the regulations. The responsibility of complying with the regulations lies with the administrations of laboratories, establishments, and enterprises. Ministries and departments are required to develop these regulations by issuing instructions concerning specific uses of radioactive substances and ionizing-radiation sources, such instructions to comply with the regulations contained in this book and to be coordinated with the organs of sanitary inspection. The regulations were approved by M. Nikitin, Glavnyy gosudarstvennyy sanitarnyy inspektor SSSR (Chief State Inspector of Sanitation USSR) and V. Yemel'yanov, Chairman of the Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii (State Committee on the Use of Atomic Energy of the Council of Ministers USSR). There are no references.

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PAVLOV, Petr Ivanovich; PCHELINTSEVA, G.M., red.; KORSHUNOVA, N.I.,
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tekhn. red.

[Transportation of radioactive substances]Transportirovanie
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[Metallurgy of nuclear fuel; properties and principles of
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18 p. (MIRA 13:11)

(Gold--Isotopes)

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AMBARTSUMYAN, TS.L.; BASALOVA, G.I.; GORZHEVSKAYA, S.A.; NAZARENKO, N.G;
KHODZHAYEVA, R.P.; PCHELINTSEVA, G.M., red.; MAZEL', Ye.I., tekhn.
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Termicheskie issledovaniia uranovykh i uransoderzhashchikh minera-
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YABLOKOV, B.N., nauchnyy red.; PHELINTSEVA, G.M., red.; VLASOVA, N.A.,
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[Accelerators; collection of articles] Uskoriteli; sbornik statei.
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1960. 121 p. (MIRA 1486)
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oblasti atomnoi nauki i tekhniki, 1961. 50 p. (MIRA 14:7)
(Beryllium—Analysis) (Neutrons)

PHASE I BOOK EXPLOITATION

SOV/5333

Pchelintseva, G. M., ed.

Uskoriteli; sbornik statey (Accelerators; Collection of Articles) Moscow, Atomizdat, 1960. 121 p. Errata slip inserted. 5,000 copies printed.

Scientific Ed.: B.N. Yablokov; Ed.: G.M. Pchelintseva; Tech. Ed.: N.A. Vlasova.

PURPOSE: This collection of articles is intended for scientists and engineers engaged in the construction and operation of particle accelerators.

COVERAGE: These original articles treat specific problems arising in the operation of present-day accelerators, particularly linear electron accelerators. A new accelerator put into operation at the Ukrainskiy fiziko-tekhicheskiy institut (Ukrainian Physicotechnical Institute) is described, and problems in the dynamics of particles in linear electron accelerators are discussed. New methods are discussed for the extraction of particles from accelerators. Problems associated with the shaping of permanent magnetic fields and the acceleration of multicharge ions are also treated. The changeover of the series cyclotron to the phasotron acceleration mode with a view to increasing the energy of accelerated particles

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Accelerators; Collection of Articles

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is described, and some problems connected with the bunching of particles are elaborated. No personalities are mentioned. References accompany each article.

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(Radioactive waste disposal)