

PEKAREVICH, V.

Organizing economic work in machinery plants. Inform. biul. DNKH
no.4:7-10 Ap '65. (MIRA 1965)

1. Nachal'nik planovo-ekonomicheskogo upravleniya Sredne-Ural'skogo
soveta narodnogo khozyaystva.

PEKAREVICH, Vladimir Matveyevich; SERGEYEV, Sergey Vasil'yevich;
GETLING, Yu., red.; CHEMKO, L., tekhn. red.

[Developing the industries of Sverdlovsk Province during the years of the seven-year plan] Razvitie promyshlennosti Sverdlovskoi oblasti v gody semiletki. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo, 1959. 82 p. (MIRA 15:3)

1. Nachal'nik planovo-ekonomicheskogo upravleniya Sverdlovskogo sovmarkhoza , Sverdlovskoy oblasti (for Pekarevich). 2. Zaveduyushchiy kafedroy politekonomii Ural'skogo politekhnicheskogo instituta imeni S.M.Kirova (for Sergeyev).
(Sverdlovsk Province--Industries)

L 00716-67 T DS

ACC NR: AT6035440

SOURCE CODE: HU/2502/86/048/001/0001/0009

CSAKVARI, B., DOBOS, S., and FENARI-KEREKESI, M., Department of General and Inorganic Chemistry, L. Eotvos University, and Research Group for Inorganic Chemistry, Hungarian Academy of Sciences, Budapest [Original-language version not given].

" Alkaline Error of Glass Electrodes, IV. Investigation of the Alkaline Error Caused by Lithium Ions."

Budapest, Acta Chimica Academiae Scientiarum Hungaricae, Vol 48, No 1, 1966; pp 1-9.

Abstract [Authors' English summary, modified; Article in German]: The activity coefficient of the lithium ions in the surface layer of the glass depends on the composition of the layer determining the potential, i.e. on the molar fraction of lithium ions in the surface layer. Molar fractions calculated from measured e.m.f. data were compared with the quantity of lithium ions penetrating into the surface layer of glass, in order to acquire further data regarding the operation of glass electrodes.

29
B71

Orig. art. has: 4 figures, 17 formulas and 3 tables. CPAS: 36,067

TOPIC TAGS: glass electrode, lithium compound

SUB CODE: 07,09 / SUBM DATE: 01 Jun 65 / ORIG REF: 005 / OTH REF: 004
SOV REF: 001

Card 1/1 vlr

0921 2155

ANTIPOV, G.I.; IVASHCHENKO, M.A. [deceased]; KORABEL'NIKOVA, V.V.;
KOSYGIN, M.K., dotsent; KUZNETSOV, G.A., dotsent; PEKARIN,
P.M.; ROSLYAKOV, G.V., dotsent; STRAKHOV, L.G.; CHERNYSHEV,
G.B., red.; TKALICH, S.M., red.; MUKHIN, S.S., red.izd-va;
GUROVA, O.A., tekhn.red.

[Angara-Ilim iron ore deposits of trap formation in the southern
Siberian Platform] Angaro-Ilimskie zhelezorudnye mestorozhdenia
trappovoi formatsii iushnoi chasti Sibirskoi platformy. Moskva,
Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane neдр, 1960.
375 p. (MIRA 13:10)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany neдр.
 2. Geologi Irkutskogo geologicheskogo upravleniya (for Antipov,
Ivashchenko, Korabel'nikova, Pekarina, Strakhov).
 3. Irkutskiy
gornometallurgicheskiy institut (for Kosygin, Roslyakov).
 4. Ir-
kutskiy gosudarstvennyy universitet (for Kuznetsov).
 5. Glavnyy
inzh. Irkutskogo geologicheskogo upravleniya (for Tkalich).
- (Angara-Ilim region--Iron ores)

PEKAROVIC, E.; HENKO, J.

Congenital spinal cord tumors and dysraphia. Rozh.chir.42
no.12:871-875 D'63.

I. Klinika chirurgie detskeho veku Lekarskej fakulty UK v
Bratislave (prednosta: prof. dr. M.Kratochvil, DrSc.) a
II. detska klinika Lekarskej fakulty UK v Bratislave (pred-
nostka prof.dr.J.Michalickova).

*

PIEKAROVIC, E. Dr.

ZUCHA, J. Doc.; KAMENSKY, P. Dr.; PIEKAROVIC, E. Dr.

Severe enterocolitis with perforation in newborn & in delicate infants. Rozhl. chir. 36 no.3:177-180 Mar 57.

1. II. Detska klinika (doc. M. Michalickova) a klinika pediatrickej chirurgie (doc. Dr. J. Zucha) LFUK v Bratislav.

(COLITIS, in inf. & child
newborn, with perf. (Cz))

(INFANT, NEWBORN, dis.
colitis with perf. (Cz))

PEKAROVIC, Eduard, C.Sc. MUDr.; CERVENANSKY, Jan, Univ. prof. MUDr.,
vedecky redaktor; KRATOCHVIL, Milan, doc. MUDr., recenzent; BALEK,
Ferdinand, MUDr.

Bifid myelodysplasia with lumbosacral localization. Lek. prac.
[Biol. lek.] 3 no.5:1-11? '63.

1. Klinika detskej a mozgovej chirurgie, Lekarska fakulta Univerzity
Komenskeho, Bratislava (for Pekarovic).

*

PERAKOVIC, J.; OZOGAR, L.

Injection of water into the suction line of combustion motors. p. 493.
(TECHNICKA PRACA, Vol. 3, No. 11, Nov 1956, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (BEAD) LC, Vol. 6, No. 12, Dec 1957. Incl.

PEKAROVIC, Josef, doc. inz.

Economic effectiveness of investments in heating and ventilation projects. Zdravot tech 7 no.4:162-171 '64.

1. Slovak Higher School of Technology, Bratislava.

PEKAROVIC, Jozef, inz.

A method for fast evaluation of the economy of gaseous waste
heat utilisation. Energetika Cs 11 no.3:114-117 Mr '61.

PEKAROVICH, R. [Pekarovych, R.]

Investigation in the case of the planet earth. Nauka i zhyttia
12 no.5:43-46 My '62. (MIRA 15:7)
(Continents)

MOSHKIN, A.M., dots.; OLENEV, A.M., dots.; SHUVALOV, Ye.L.,
dots.; PEKAREVICH, V.M., reitsenzent; DAVYDOVA, I., red.

[Sverdlovsk Province] Sverdlovskaja oblast'. Sverdlovsk,
Sredne-Ural'skoe knizhnoe izd-vo, 1964. 225 p.
(MIRA 17:11)

PEKARSKAYA, G.

3267. Rubber from waste. M. MARAKHOVSKII, N. ZAKHAROV and G. PEKARSKAYA. Promysl. Kooperatsiya, 1958, No. 7, 20; Referat. Zh. Khim., 1958, abn. 76248. Cardboard waste from footwear manufacture, bonded with DVKHB-70 synthetic latex, is sorted, cut up and treated with 10% NaOH solution for 4 to 5 h at 60 to 70°, or with ca. 10% H₂SO₄ for 4 to 5 h at ca. 20°. The reclaimed rubber is neutralized, washed and dried to a moisture content of 4%. Along with the usual properties of unvulcanised rubber, it is resistant to organic solvents and may be used for the manufacture of oil-resistant footwear, as a substitute for dibutyl phthalate for plasticisation of polyvinyl chloride and for manufacture of artificial leather for saddlery. It may be converted into a dispersion not inferior as a bonding agent to the original DVKHB-70.

*Mattew
4E20
2 May*

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MARAKHOVSKIY, M.G.; ZAKHAROV, N.I.; PEKARSKAYA, G.D.

Utilization of wastes of single-ply shoe leather substitutes. Leg.
prom. 16 no.9:28-30 S '56. (MLRA 9:11)
(Leather substitutes) (Waste products)

GOROKHOVSKIY, Yu.N.; PEARSKAYA, G.L.

Universal differential type densitometer for black-and-white
and color fields. Usp. nauch. fot. 8:248-255 '62.
(MIRA 17:7)

S/058/63/000/002/028/070
A062/A101

AUTHORS: Gorokhovskiy, Yu. N., Pekarskaya, G. L.

TITLE: Universal densitometer of the differential type for black-and-white and color fields

PERIODICAL: Referativnyy zhurnal, Fizika, no. 2, 1963, 98, abstract 2D637
("Uspekhi nauchn. fotogr.", 1962, v. 8, 248 - 255)

TEXT: On the basis of the series produced wedge type photoelectric densitometer ДФЭ-10 (DFE-10) a universal densitometer is designed for black-and-white and color photomaterials. With this purpose in view, the selenium photoelements have been replaced by a photoelectric amplifier ФЭУ-32 (FEU-32) and grey filters have been introduced for optical shunting of the main color beam and widening the range of measured densities; also zonal filters have been introduced for measuring zonal optical densities of colored materials. The general aspect of the device and its optical schematic diagram are presented. Results are given of tests of the device both as a color and a black-and-white densitometer. The device allows to measure integrated optical densities of photographic blackenings up to 0.6 and
Card 1/2

Universal densitometer of the differential type for... S/058/63/000/002/028/070
A062/A101

zonal densities of color fields up to 4.0 with an error of 2.5%. There are 26 references.

V. Sintsov

[Abstracter's note: Complete translation]

Card 2/2

PERJANSKAYA, L.D.

The HRK-1 automatic machines for weighing groats and granulated
sugar. *Biul. tekhn.-ekon. inform.* no.1:52-53 '57. (MIRA 11:4)
(Weighing machines)

FEARSKAYA, N.K.; TSYTOVICH, M.A.

Friction and cohesion in the overall resistance of frozen soils to shear during a rapid increase of load. Mat. po lab. issl. merzl. grunt. no.3:255-273 '57. (MIRA 10:11)
(Soil mechanics) (Frozen ground)

124-58-9-10425

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 145 (USSR)

AUTHOR: Pekarskaya, N. K.

TITLE: On a Method for the Determination of the Shear Strength of Frozen Soils (K metodike opredeleniy soprotivleniya merzlykh gruntov sdvigu)

PERIODICAL: Materialy po labor. issled. merzlykh gruntov. Nr 3. Moscow, AN SSSR, 1957, pp 274-279

ABSTRACT: The problem of a testing method for frozen soils relative to shear is examined. In the testing of clayey soils at and below -1°C and of sandy soils at and below -0.3 and -0.5° it appears possible to employ a method which has been used in the testing of overconsolidated clayey soils. In that case the cohesion c (after Skempton, Geotechnique, London, Vol I, Nr 2, pp 111-124, 1948; Transl. Ed. Note) is assumed to be constant and independent of the weight of the overburden. At higher temperatures it is indispensable that variations both in the angle of friction and in the cohesion be taken into account. In the performance of shear tests it is indispensable to take into account the structural peculiarities of a soil and to conduct the investigation at a constant,

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124-58-9-10425

On a Method for the Determination of the Shear Strength of Frozen Soils

specified, sub-freezing temperature. Shear tests are conducted along two lines determined by the duration of the experiment. The quick test permits a determination of the peak value (or a value close to it) of the shear strength. In practice the shear load, in that case, is applied over a period of no longer than 1-2 min. In the second version (the "slow test" according to Arthur Casagrande's classification; Transl. Ed. Note) which relates to prolonged shearing loads, the test is conducted with a series of identical specimens for shear loads that are different for each individual specimen, but with the same normal pressure. The results of these tests afford a basis for an estimate of the character of the changes in the magnitude of the shear strength of a soil against time. The phenomenon of creep or plastic flow appears to exercise an important influence in the determination of the shear strength of frozen soils. This fact makes it indispensable, in many cases, that the long-time shear strength of such soils be tested by means of a special method. This method provides for the performance of "slow tests" with a number of specimens at constant values of shearing or normal stresses. The determination of the long-time shear strength can be accomplished either by the abovedescribed method or by a controlled-stress-type test of a single specimen, wherein the load which induces shear is gradually increased. In the latter case the rate of plastic creep is established relative to the corresponding shear stress. Then, utilizing the data obtained, the value of the

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124-58-9-10425

On a Method for the Determination of the Shear Strength of Frozen Soils

long-time shear strength is found therefrom by the well-known method.

Z. V. Maslova-Pil'tyunova

1. Soils--Mechanical properties 2. Soils--Test methods

Card 3/3

Index *1964*
Index: *1964* in *Frozen-Ground Physics* (Cont.)

601/604

of the collection deal with the physics of the cryogenic processes. Physical and chemical investigations in this field were based on the theory of chemical potentials developed by I. A. Tyutyunov, Doctor of Geological and Mineralogical Sciences. The works in the second part of the collection are of considerable interest as they concern problems of mechanics of frozen ground and the most important results of investigations in Antarctica dealing with the processes of ice flow and deformation and the structural strength of frozen ground. A new method for calculating the plastic viscous flow of ice sheets is proposed by S. S. Vyukov; his deductions are based on the data of field observations which he undertook during the second Soviet Antarctic Expedition (1956-1958). References follow each article.

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| Investigations in Frozen-Ground Physics (Cont.) | SOV/5834 | |
| Shamskiy, P. A. Mechanics of Ice Deformation and Recrystallization | | 129 |
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| Fekarskaya, N. K. Shear Resistance of Permafrost Ground of Varying Texture and Intensity of Freezing | | 166 |
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| Dyutyunov, I. A. Engineering-Geological Properties of Permafrost Rocks in the Region of the "Mir" Pipe | | 216 |
| Fekarskaya, M. K. Problems of the Strength of Frozen Ground | | 242 |

AVAILABLE: Library of Congress

Card 4/4

MM/rsm/ua:
1-16-62

VYALOV, S.S.; PEKARSKAYA, N.K.; SHUSHERINA, Ye.P.

Method of testing the compressive and shear strengths of frozen ground,
with consideration of creep. Merl.issl. no.2:165-188 '61.
(MIRA 16:5)

(Frozen ground--Testing)

PEKARSKAYA, N.K.

Resistance to shear in permanently frozen grounds of different texture
and ice content. Issl.po fiz. i mekh. merzl. grun. no. 166-186
'61. (MIRA 1-:12)

(Frozen ground)

PEKARSKAYA, N.K.

Strength of frozen ground. Issl.po fiz. i mekh. merzl. grun. no.4:
242-251 '61. (MIRA 14:12)

(Frozen ground)

VYALOV, Sergey Stepanovich, prof., doktor tekhn. nauk; GMOSHINSKIY,
Vsevolod Georgiyevich; GORODETSKIY, Stanislav Eduardovich;
GRIGOR'YEVA, Vera Grigor'yevna; ZARETSKIY, Yuriy Konstantinovich;
PEKARSKAYA, Nina Kazimirovna; SHUSHERINA, Yelizaveta Petrovna;
SANOVICH-OSIPOV, P.O., red.; DOROKHINA, I.N., tekhn. red.

[Stability and creep of frozen ground and calculations of ice
walls] Prochnost' i polzuchest' merzlykh gruntov i raschety
ledogruntovykh ograzhdenii. Moskva, Izd-vo Akad. nauk SSSR,
1962. (MIRA 15:9)

(Frozen ground)

PEKARSKAYA, Nina Kazimirovna; VYALOV, S.S., prof., doktor tekhn. nauk,
otv. red.; BRODSKAYA, A.G., red. izd-vo; ZUDINA, V.I., tekhn.
red.

[Resistance of frozen ground to shifting and its dependence on
texture] Prochnost' merzlykh gruntov pri sdvige i ee zavisi-
most' ot tekstury. Moskva, Izd-vo Akad. nauk SSSR, 1963. 106 p.
(MIRA 16:7)

(Frozen ground)

PEKARSKAYA, S.L.

Effectiveness of tuberculin therapy in chronic hemato-
genic disseminating pulmonary tuberculosis. Probl. tub. 41
no.5:49-53 '63. (MIRA 17:1)

1. Iz Yakutskogo nauchno-issledovatel'skogo instituta
tuberkuleza (dir. - kand. med. nauk Ye.N. Andreyev)
Ministerstva zdravookhraneniya RSFSR.

PEKARSKAYA, S.L.

Immediate results from treating pulmonary tuberculosis with
phtivazide. Vop. epid. i klin. tub. 5:90-96 '58. (MIRA 14:12)
(TUBERCULOSIS) (PHTIVAZIDE)

PEKARSKAYA, S.L.; KHMEL'NITSKAYA, R.P.

Vascular reactions in a tuberculosis patient during antibacterial
treatment. Vop. epid. i klin. tub. 5:259-262 '58. (MIRA 14:12)
(TUBERCULOSIS)

PEKARSKAYA, T. B.

PA 243T70

USSR/Geophysics - Rocks, Age of Jan 53

"Determination of Absolute Age of Geological
Rocks According to Radioactive Minerals," T. B.
Pekarskaya

"Priroda" No 1, pp 60-63

New science of radiogeology was developed by
Acad V. I. Vernadskiy in Radium Inst of Acad
Sci USSR. Determinations of age are processed
according to formulas set up by I. Ye. Starik,
Corr-Member of Acad Sci USSR.

243T70

PEKARSKAYA, T.B.

STARIK, I.Ye., otvetstvennyy redaktor; SHCHERBAKOV, D.I., akademik, redaktor; VINOGRADOV, A.P., akademik, redaktor; BARANOV, B.I., professor, redaktor; GERLING, E.K., professor, redaktor; LEVIN, B.Yu., kandidat fiziko-matematicheskikh nauk, redaktor; KRYLOV, A.Ya., redaktor; PEKARSKAYA, T.B., kandidat geologo-mineralogicheskikh nauk; MYASNIKOV, I.A., redaktor; POLYAKOVA, T.V., tekhnicheskij redaktor.

[Transactions of the first session of the Commission on Determining the Absolute Age of Geologic Formations] Trudy pervoi sessii komissii po opredeleniyu absoiutnogo vozrasta geologicheskikh formatsii; 12-15 aprilia 1952 g. Moskva, Izd-vo Akademii nauk SSSR, 1954. 231 p.(MIRA 8:1)

1. Chlen-korrespondent Akademii nauk SSSR (for Starik). 2. Akademiya nauk SSSR. Otdeleniye geologo-geograficheskikh nauk.
(Earth--Age)

Petrovskaya, T.B.

2

Conditions of reliability of the helium method of determining geological age. R. K. Gerling and T. B. Petrovskaya. *Izvest. Akad. Nauk S.S.S.R., Ser. Geol.* 1954, No. 1, 88-100. Samples of which the age is to be detd. must possess dense cryst. packing and their cryst. structure must be stable. Age of the minerals was calcd. as $t = 1518 \times 10^6 \log_{10} [1 + 1.378 \times 10^{-11} He / (U + 0.54 Th)]$. The following decay consts. were used: $U^{238} = 1.55 \times 10^{-10} yr^{-1}$, $U^{235} = 0.72 \times 10^{-10} yr^{-1}$, $Th^{232} = 4.09 \times 10^{-11} yr^{-1}$. It was assumed that He could be completely recovered only by destruction of the cryst. lattices of the minerals; this was effected by fusion of a weighed portion of mineral with a chem. reagent, or by fusion at high temps. The recovery app. consists chiefly of a MacLeod-type of manometer with an upper container of 375-ml. capacity. The capillary tube of the manometer has a capacity of 20 cu. mm. and a diam. of 0.3 mm. The capillary tube is graduated, the vol. between two adjacent graduations being equal to 0.01 cu. mm. With this manometer it is possible to measure 2.3×10^{-4} cc. of He with an av. error of $\pm 3\%$. For small He contents in a rock it is necessary to take a weighed portion of several g., such that the measured quantity of He will not be less than 2.3×10^{-4} ml. The error involved in measuring a quantity of He less than 2.3×10^{-4} ml. may amount to $\pm 10\%$. A vol. of He of the order of 10^{-4} can be measured with an error of $\pm 1\%$. 26 references. *Chadys S. Macy*

*11/7/55
LM*

STARIK. I.Ye., redaktor; SHCHERBAKOV, D.I., akademik, redaktor; VINOGRADOV, A.P., akademik, redaktor; POLKANOV, A.A., akademik, redaktor; SHATSKIY, N.S., akademik, redaktor; BARANOV, V.I., professor, redaktor; PEKARSKAYA, T.B., kandidat geologo-mineralogicheskikh nauk, redaktor; CHERDYNTSEV, V.V., redaktor; POLYAKOVA, T.V., tekhnicheskij redaktor.

[Transactions of the third session of the Committee for Determining the Absolute Age of Geological Formations, March 25-27, 1954] Trudy tret'ei sessii, 25-27 marta 1954. g. Moskva, 1955. 260 p. [Microfilm] (MLRA 9:1)

1. Akademiya nauk SSSR. Komissiya po opredelniya absolyutnogo vozrasta geologicheskikh formatsii. 2. Chlen-korrespondent AN SSSR (for Starik). (Geological time)

PEKARSKAYA, T.B., kandidat geologo-mineralogicheskikh nauk.

Radioactive methods in geology; fourth session of the Commission
to Determine the Absolute Age of Geological Formations. Vest. AN
SSSR 25 no.10:94-96 O '55. (MLRA 9:1)

(Radioactivity) (Geological time)

PEKARSKAYA, T.B.

The fifth session of the committee for the determination of the
absolute age of geological formations. Izv.AN SSSR.Ser.geol.21
no.11:127-128 N '56. (MLRA 10:1)
(Geological time)

FEAARAA11, 7.0

STARIK, I.Ye., otvetstvennyy red.; SHCHERBAKOV, D.I., akademik, red.;
BARANOV, V.I., prof., red.; SHATSKIY, E.S., akademik, red.;
POLKANOV, A.A., akademik, red.; VINOGRADOV, A.P., akademik, red.;
AFANAS'YEV, G.D., red.; GERLING, E.K. prof., red.; PEKARSKAYA,
T.B., kand.geol.-min.nauk, red.; TUGARINOV, A.I., red.;
CHERDYNTSEV, V.V., red.; POLYAKOVA, T.V., tekhn.red.

[Proceedings of the fourth session of the Commission for the
Determination of the Absolute Age of Geological Formations,
May 12-14, 1956] Trudy chetvertoi sessii Komissii po opredeleniiu
absolyutnogo vozrasta geologicheskikh formatsii; 12-14 maia 1955 g.
Moskva, 1957. 297 p. (MIRA 11:1)

1. Akademiya nauk SSSR. Komissiya po opredeleniyu absolyutnogo
vozrasta geologicheskikh formatsiy. 2. Chlen-korrespondent
AN SSSR (for Starik, Afanas'yev).
(Geology, Stratigraphic)

PEKARSKAYA, T.B.

Revised scale of geological time on the basis of foreign data
and debatable aspects on the age of the Pre-Cambrian of the
Canadian shield. Biul.Kom.po opr.abavozr.geol.form. no.2:66-
81 '57. (MIRA 10:4)

(Geological time) (Radioisotopes--Decay)

L 24661-5 ENT(1)/ENT(m) DIAAP GW

ACCESSION NR: AP4049994

S/0011/64/000/006/0136/0136

15
B

AUTHOR: Pekarskaya, T. B.

TITLE: Expanded session of the Komissiya po opredeleniyu absolyutnogo vozrasta geologicheskikh formatsiy (Commission on Determination of the Absolute Age of Geological Formations) at the Division of Earth Sciences of the AN SSSR in 1964 at Moscow

SOURCE: AN SSSR. Izvestiya. Seriya geologicheskaya, no. 6, 1964, 135-136

TOPIC TAGS: geology, geochronology, argon method, lead method, strontium method, stratigraphy, age determination, carbon 14 method

ABSTRACT: An expanded session of the Commission on Determination of the Absolute Age of Geological Formations at the Division of Earth Sciences of the SSSR Academy of Sciences was held in Moscow during the period January 27-30, 1964. The session was devoted to a discussion of the results of systematic investigations made in 1963 at the geochronological laboratories of the SSSR and a confirmation of the program for the 13th annual session of the Commission in 1964. This report lists many of the speakers and a line or two concerning the subject matter of their papers, but no substantial information. Among the subjects discussed were: isotopic composition of the argon of minerals of the sedimentary strata and the problem of changes in the composition of argon in the earth's
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L 24661-65

ACCESSION NR: AP4040994

ancient atmosphere; experiments for determination of the absolute age of slightly metamorphosed rocks by the argon method; measurement of the isotopic determination of K^{39}/K^{41} in a solid phase; suitability of zircons for dating the absolute age by the lead method; character of the admixture of ordinary lead in monazites; interpretation of the age computed from the isotopic ratios Pb^{206}/U^{238} , Pb^{207}/Pb^{206} and Pb^{207}/U^{235} ; mass-spectrometer determination of the microcontent of thorium in uranium minerals, the subidium-strontium method for determination of absolute age; an apparatus for the isotopic spectral analysis used in the strontium method, etc. The 13th session of the Commission is to be held jointly with the Akademiya Nauk Armyanskoy SSR (Academy of Sciences, Armenian SSR) in October 1964. On April 1-2, 1964 the table shown in the Enclosure was approved by the Commission as the approved geochronological scale. Orig. art. has: 1 table.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 02

SUB CODE: ES

NO REF SOU: 000

OTHER: 000

Card 2/4

STARIK, I.Ye., otv. red.; SHCHERBAKOV, D.I., akad., red.; VINOGRADOV, akad., red.; SHATSKIY, N.S., akad., red.; POLKANOV, A.A., akad., red.; AFANAS'YEV, G.D., red.; BARANOV, V.I., prof., red.; PEKARSKAYA, T.B., kand. geol.-min. nauk, red.; IVANOV, B.V., red. izd-va.; RYLINA, Yu.V., tekhn. red.

[Proceedings of the fifth session of the Commission to Determine the Absolute Age of Geological Formations] Komissiya po opredeleniyu absolutnogo vozrasta geologicheskikh formatsii. Trudy piatoy sessii...; 19-23 maia 1956 g. Moskva, 1958. 367 p. (MIRA 11:11)

1. Akademiya nauk SSSR. Komissiya po opredeleniyu absolutnogo vozrasta geologicheskikh formatsii. 2. Chlen-korrespondent AN SSSR (for Starik, Afanas'yev).

(Geological age)

PEKARSKAYA, T. B.

AUTHOR: Pekarskaya, T.B.

11-1-27/29

TITLE: The Sixth Session of the Committee for Determining the Absolute Age of Geologic Formations at the Department of Geologic-Geographical Sciences (OGGN) of the USSR Academy of Sciences at Sverdlovsk in May 1957 (Shestaya sessiya komissii po opredeleniyu absolutnogo vozvrasta geologicheskikh formatsiy pri otdelenii geologo-geograficheskikh nauk (OGGN) AN SSSR v maye 1957 g. v g. Sverdlovske)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1955, # 1, pp 115-117 (USSR)

ABSTRACT: On 22 - 27 May 1957 the Committee for Determining the Absolute Age of Geologic Formations convened at Sverdlovsk. More than 200 scientists from different Academies of Sciences of the USSR participated, whereby 43 lectures were held. It was decided at the session to expand the work to the Urals and other territories, and to improve the already known radioactive methods for determining the absolute age. The conference heard the following reports after D.I. Shcherbakov had opened the session: 1. L.N. Ovchinikov, A.S. Shur, M.V. Panova - Determination of Absolute Age of Volcanic Metamorphic and Sedimentary Rocks of the Urals. 2. M.A. Garris -

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11-1-27/29

The Sixth Session of the Committee for Determining the Absolute Age of Geologic Formations at the Department of Geologic-Geographical Sciences (OGGN) of the USSR Academy of Sciences at Sverdlovsk in May 1957

The First Results at Determining the Absolute Age by the Potassium-Argon Method of Rocks at the Eastern Perimeter of the Russian Plateau and Southern Urals. 3. L.V. Komlev, S.I. Danilevich, B.K. L'vov, G.N. Kuchina, A.D. Mikhalevskaya, F.F. Fedorova - The Age of the Kochkarovskiy Magmatic Complex of the Southern Urals According to Data Obtained by the Lead and Argon Method. 4. L.A. Vardanyants - Several Results on the Composition and Structure of the Crystalline Foundation of the Russian Plateau and Its Correlation With the Urals and the Baltic Shield. 5. Kh.I. Amirkhanov, K.S. Magatayev - Determination of Age of Sediments in the Oil-Producing Provinces of the Dagestan ASSR. 6. N.I. Polevaya, N.N. Chernova - The Age of Granitoids of the Trans-Baykal Determined by Means of the Argon Method. 7. N.I. Polevaya - Geochronology of the Far East. 8. G.D. Afanas'yev - The Use of the K-Ar Method for Geology Judged by the Results Obtained at Prospecting Operations for Rocks and Minerals in the Caucasus. 9. Z.V. Studenikova, K.G. Knorre, S.I. Zykov, V.A. Fedorova - Data on the Age of the Caucasus. 10. N.P. Semenenko,

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11-1-27/29

The Sixth Session of the Committee for Determining the Absolute Age of Geologic Formations at the Department of Geologic-Geographical Sciences (OGGN) of the USSR Academy of Sciences at Sverdlovsk in May 1957

M.N. Ivantishin, E.S. Burkser - Basic Data on Geochronology of the Ukrainian Pre-Cambrian. 11. Yu.I. Plovinkina, N.I. Polevaya, G.A. Murina - Geologic and Absolute Age of Granitoids of the Ukraine. 12. A.P. Vinogradov, A.I. Tugarinov, S.I. Zykov, V.A. Fedorova - The Age Determination of Ukrainian Granitoids. 13. N.P. Semenenko - Geochronology of the Pre-Cambrian in Africa. 14. L.V. Komlev, S.I. Danilevich, A.D. Mikhalevskaya, V.T. Savonenkov, M.S. Filippov - The Age of Geologic Formations of the South-Western Parts of the Ukrainian Pre-Cambrian (Podolia). 15. L.V. Komlev, S.I. Danilevich, K.S. Ivanova, V.T. Savonenkov, M.S. Filippov - New Data on the Age of the Ukrainian Pre-Cambrian. 16. L.V. Komlev, E.K. Gerling, K.K. Zhirov - The Age of the Akchatau Rare Metal Intrusion According to Data Obtained by the Helium Method for Monazites. 17. L.V. Komlev, S.I. Danilevich, S.I. Zykov, K.S. Ivanova, G.N. Kuchina, A.D. Mikhalevskaya, M.S. Filippov - The Age of the Rare Metal Akchatau Intrusion According to Data Obtained by the Lead and Argon Method. 18. V.V. Zhirova, S.I. Zykov, A.I. Tugarinov - The Suitability of

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11-1-27/29

The Sixth Session of the Committee for Determining the Absolute Age of Geologic Formations at the Department of Geologic-Geographical Sciences (OGGN) of the USSR Academy of Sciences at Sverdlovsk in May 1957

Several Radioactive Minerals for the Age Determination. 19. I.Ye. Starik, E.V. Sobotovich, G.V. Avzdeyko, G.I. Lovtsyus, A.V. Lovtsyus - Sublimation as a Method for Determining Isotope Contents of Lead. 20. I.Ye. Starik, E.V. Sobotovich, G.V. Avzdeyko, G.I. Lovtsyus, A.V. Lovtsyus - The Method of Locating Lead in Radioactive Minerals. 21. S.I. Zykov, N.I. Stupnikova - The Determination of Isotope Contents of Small Quantities of Lead. 22. I.Ye. Starik, F.Ye. Starik, A.N. Yelizarova - Comparative Leaching Out of Several Isotopes. 23. I.Ye. Starik, F.Ye. Starik, Ye.P. Petryayev - Kinetics of the Process of Leaching. 24. I.Ye. Starik, K.F. Lazarev - The Role of Absorbing Processes at the Leaching Out of Isotopes of Several Elements From Monazite. 25. I.Ye. Starik, F.Ye. Starik, B.A. Mikhailov - The Question of Displacement of Isotopic Relations at Natural Formations. 26. Ye.V. Bortnitskiy - The Preservation of Radiogen Argon in Glauconite. 27. S.B. Brandt - The Method of Mass-Spectroscopic Determination of Radiogen Argon in Rocks. 28. I.Ye. Starik, A.Ya. Krylov, N.V. Baranovskaya, Yu.I. Silin - The Determination of Age by Means of the Argon Method by Sedimentary Rocks.

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11-1-27/29

The Sixth Session of the Committee for Determining the Absolute Age of Geologic Formations at the Department of Geologic-Geographical Sciences (OGGN) of the USSR Academy of Sciences at Sverdlovsk in May 1957

29. I.Ye. Starik, Kh.V. Protopopov - The Use of the Scintillation Method for the Determination of Age According to Radiocarbon Contents. 30. V.I. Baranov, A.P. Novitskaya - The Influence of Humidity on Emanation. 31. V.I. Baranov - The Task of Determining the Age of Meteorites. 32. L.I. Shmonina, V.V. Cherdyntsev, L.L. Koshkarova, V.F. Ostanenko - The Examination of the Neutron Flow of the Earth's Crust. 33. I.Ye. Starik, S.B. Butomo, V.M. Drozhzhin, Kh.V. Protopopov - The Chemical Processing of Samples at the Radiocarbon Dating by the Scintillation Method. 34. N.I. Nenashev - Prospects for the Application of the Method for the Determining of the Absolute Age for the Separation of Magmatic Formations. 35. V.I. Baranov, L.A. Kuz'mina - New Data Relating to the Grows of Cores of Deep Sea Sedimentation. 36. Kuznetsov - The Problem of the Determination of Age by the Ion Method. 37. L.N. Ovchinnikov, N.A. Yarosh - The Method of Spectroscopic Determination of Rubidium in Potassium Minerals. 38. L.L. Shanin - Ways to Improve the Accuracy of Determining Radiogen Argon by Means of Isotopic Dis-

Card 5/6

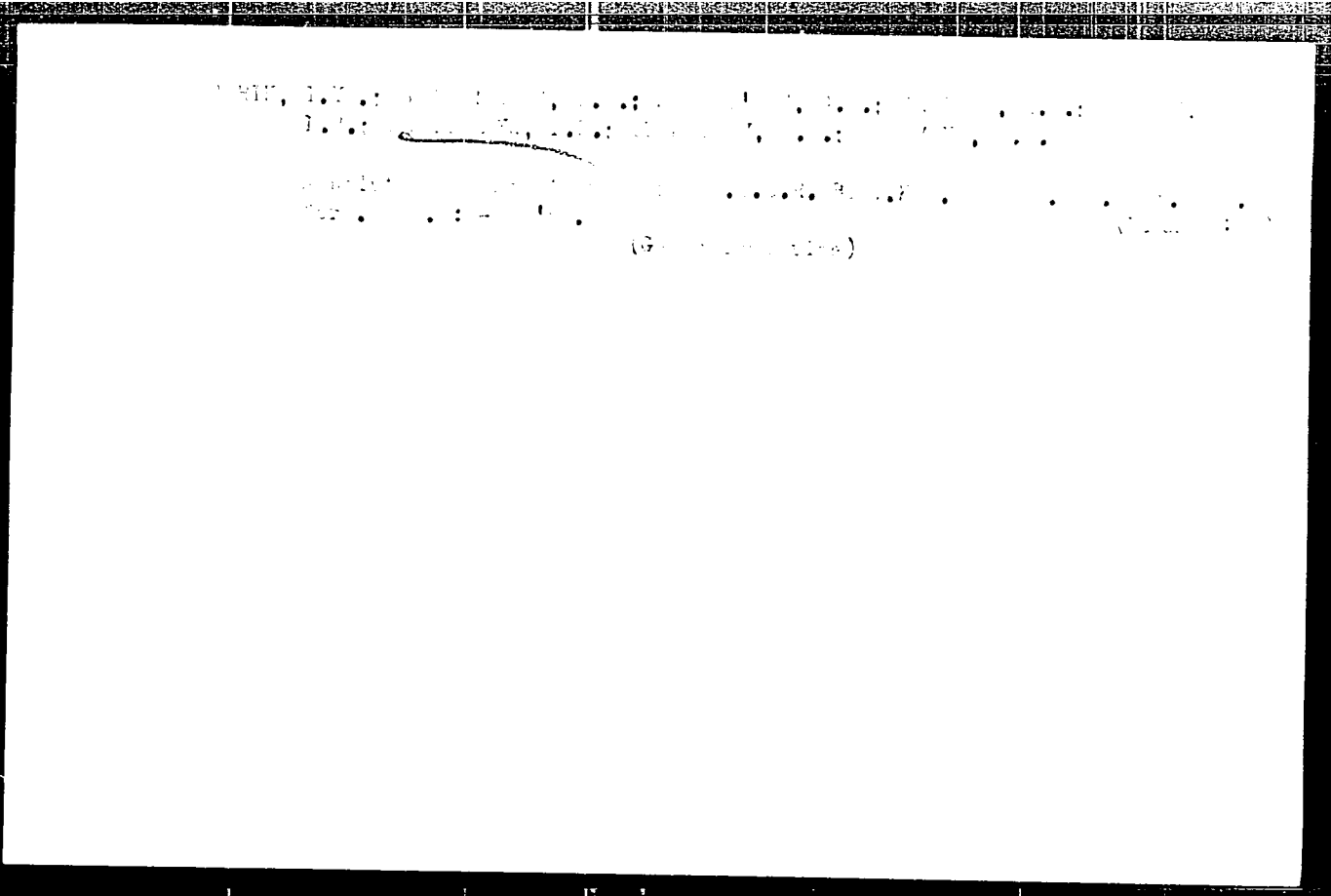
11-1-27/29

The Sixth Session of the Committee for Determining the Absolute Age of Geologic Formations at the Department of Geologic-Geographical Sciences (OGGN) of the USSR Academy of Sciences at Sverdlovsk in May 1957

solution. 39. A.D. Yesikov - Information on the Activities of the Age Laboratory IGEM of the USSR Academy of Sciences. 40. L.G. Vlasov - The Method of Determining Rubidium in Minerals and Rocks. 41. A.N. Vorsin - Informations on the Work of the West Siberian Branch of the USSR Academy of Sciences. 42. A.N. Vorsin - Radio-Frequency Mass-Spectrometer for Determining the Absolute Age of Rocks by the Potassium - Argon Method.

AVAILABLE: Library of Congress

Card 6/6



PEKARSKAYA, T.B.

Review of studies on the determination of the absolute age
of rocks and minerals in the U.S.S.R. *Izv. AN SSSR. Ser. geol.*
24 no.12:119-122 D '59. (MIRA 13:8)
(Geological time)

STARIK, I.Ye., otv.red.; SHCHERBAKOV, D.I., akademik, zamostitel' otv.red.;
BARANOV, V.I., prof., zamostitel' otv.red.; SHATSKIY, N.S., aka-
demik, red.; POLKANOV, A.A., akademik, red.; VIHOGRADOV, A.P.,
akademik, red.; APANAS'YEV, S.D., red.; GERLING, E.K., prof., red.;
PEKARSKAYA, T.B., kand.geologo-mineral.nauk, red.; IVANOV, B.V.,
red.izd-va [deceased]; GUSEVA, A.P., tekhn.red.

[Transactions of the sixth session of the Committee on the Deter-
mination of the Absolute Chronology of Geological Formations,
May 22-27, 1957] Trudy shestoi sessii komissii po opredeleniiu
absolyutnogo vozrasta geologicheskikh formatsii; 22-27 maia 1957 g.
Moskva, 1960. 306 p. (MIRA 13:7)

1. Akademiya nauk SSSR. Komissiya po opredeleniyu absolyutnogo
vozrasta geologicheskikh formatsiy.
(Geological time)

STARIK, I.Ye., otv.red.; SHCHERBAKOV, D.I., akademik, zamestitel' otv. red.; BARANOV, V.I., prof., zamestitel' otv.red.; VINOGRADOV, A.P., akademik, red.; POLKANOV, A.A., akademik, red.; SEATSKIIY, N.S., akademik, red.; AFANAS'YEV, G.D.; GERLING, E.K., prof., red.; PEKARSKAYA, T.B., kand.geol.-miner.nauk, red.; SIMKIN, S.M., red. izd-va; MAKUNI, Ye.V., tekhn.red.

[Transactions of the Seventh Commission on the Determination of the Absolute Chronology of Geological Formations] Trudy Sed'moi sessii Komissii po opredeleniiu absolutnogo vozrasta geologicheskikh formatsii, 8-12 maia 1958 g. Moskva, 1960. 432 p. (MIRA 13:6)

1. Akademiya nauk SSSR. Komissiya po opredeleniyu absolutnogo vozrasta geologicheskikh formatsiy. 2. Chleny-korrespondenty AN SSSR (for Starik, Afanas'yev).

(Geology, Stratigraphic)

STARIK, I.Ye., otv. red.; SHCHERBAKOV, D.I., akademik, zam. otv. red.;
BARANOV, V.I., prof., zam. otv. red.; VINOGRADOV, A.P., aka-
demik, red.; SHATSKIY, N.S., akademik, red. [deceased]; POL-
KANOV, A.A., akademik, red.; AFANAS'YEV, G.D., red.; GERLING,
E.K., prof., red.; PEKARSKAYA, T.B., kand. geol.-miner. nauk,
red.; ARON, G.M., red. izd-va; ZAMARAYEVA, R.A., tekhn.
red.

[Transactions of the ninth session of the Commission for the
Determination of the Absolute Age of Geologic Formations,
June 14-18, 1960] Trudy devyatoi sessii Komissii po oprede-
leniiu absolutnogo vozrasta geologicheskikh formatsii, 14-
18 iyunia 1960 g. Moskva, 1961. 331 p. (MIRA 14:8)

1. Akademiya nauk SSSR. Komissiya po opredeleniyu absolutnogo
vozrasta geologicheskikh formatsiy. 2. Chlen-korrespondent AN
SSSR (for Starik, Afanas'yev).
(Geological time)

S/091/62/000/005/021/112
5158/B110

AUTHOR: Pekarskaya, T. B.

TITLE: Scientific research work on the problem of a "Geochronological scale of the USSR expressed in terms of absolute age"

PERIODICAL: Referativnyi zhurnal. Khimiya, no. 5, 1962, 119, abstract 5015 (Byul. Komiss. po opredeleniyu absolyutn. vozrasta geol. formatsiy. AN SSSR, no. 4, 1961, 20 - 29)

NOTE: This is a short historical outline of the development in the work on nuclear geochronology in the USSR. The work of certain laboratories on the determination of absolute age is examined as are the results of investigations reported chiefly at the 9th Session and the 2nd Methodology Symposium of the Komissiya po opredeleniyu abs. vozrasta geologich. formatsiy AN SSSR (Commission for Determination of Absolute Age of Geological Formations AS USSR). (Abstracter's note: Complete translation.)

Card 1/1

PEKARSKAYA, T.B.

Ninth session of the Commission for Determining the Absolute Age
of Geological Formations attached to the Department of Geological
and Geographical Sciences of the Academy of Sciences of the
U.S.S.R. Izv. AN SSSR. Ser. geol. 26 no. 4:117-120 Ap '61.
(Geology, Stratigraphic--Congresses)

AFANAS'YEV, G.D.; SHCHERBAKOV, D.I.; SEMENENKO, N.P.; SOBOTOVICH, E.V.;
PEKARSKAYA, T.B.

Iosif Evseevich Starik, 1902-1964; obituary. Izv. AN SSSR. Ser.
geol. 29 no.10:122-124 0 '64. (MIRA 17:11)

PEREKHAYA, I.D.

Trincaertr session of the Commission on the Determination of
the Absolute Age of Geological Formations of the Department
of Geology of the Academy of Sciences of the U.S.S.R.
Izv. Ak. SS.Sr. Ser. Geol. i Geofiz. 1975, 15: 11-16.

(YMA)

AFANAS'YEV, G.D., otv. red.; BARANOV, V.I., prof., zam. otv. red.;
SHCHERBAKOV, D.I., akademik, red.; FOLKANOV, A.A., akademik
red.[deceased]; STARIK, I.Ye., redaktor ;
VINOGRADOV, A.P., akademik, red.; GERLING, E.K., prof.,
red.; PEKARSKAYA, T.B., kand. geol.-minner. nauk, red.;
BORSUK, A.M., red.izd-va; SIMKINA, G.S., tekhn. red.

[Transactions of the 11th session of the Commission on the
Determination of the Absolute Age of Geological Formations,
May 12-27, 1963] Trudy odinnadtsatoi sessii...; 12-27 maia
1963 g. Moskva, Izd-vo AN SSSR, 1963. 390 p.

(MIRA 17:4)

1. Akademiya nauk SSSR. Komissiya po opredeleniyu absolyut-
nogo vozrasta geologicheskikh formatsiy. 2. Chlen-korrespon-
dent AN SSSR (for Afanas'yev, Starik).

MONICH, V.K.; PEKARSKAYA, T.B.; SEMENOVA, T.P.; IVANOV, A.I.

Eleventh session of the Commission on the Determination of the
Absolute Age of Geological Formations attached to the Department
of Geological and Geographical Sciences of the Academy of Sciences
of the U.S.S.R. Izv. AN SSSR. Ser.geol. 28 no.6:129-133 Je
'63. (MIRA 16:8)

(Geological time)

PEKARSKAYA, T.B.

Data on the tenth session of the Commission on the Determination of the Absolute Age of Geological Formations attached to the Department of Geological and Geographical Sciences of the Academy of Sciences of the U.S.S.R. Biul.Kom.po opr.abs.vozr.geol.form. no.5:94-96 '62. (MIRA 15:11)

(Geological time)

STARIK, I.Ye., otv. red.; SHCHERBAKOV, D.I., akademik, zam. otv. red.; BARANOV, V.I., prof., zam. otv. red.; VINOGRADOV, A.P., akademik, red.; FOLKANOV, A.A., akademik, red.; AFANAS'YEV, G.D., red.; GERLING, E.K., prof., red.; PEKARSKAYA, T.B., kand. geol.-miner. nauk, red.; ARON, G.M., red. izd-va; GALIGANOVA, L.M., tekhn. red.

[Transactions of the Tenth Session of the Commission on the Determination of the Absolute Age of Geological Formations, June 5-10, 1961] Trudy desiatoi sessii...; 5-10 iyunia 1961 g. Moskva, Izd-vo Akad. nauk SSSR, 1962. 379 p. (MIRA 15:11)

1. Akademiya nauk SSSR. Komissiya po opredeleniyu absolyutnogo vozrasta geologicheskikh formatsiy. 2. Chlen-korrespondent Akademii nauk SSSR (for Starik, Afanas'yev).
(Geological time)

PEKARSKIY, B., podpolkovnik

Their paths must cross. Voen. vest. 39 no.11:71-75 N '59.
(MIRA 13:3)

(Russia--Army--Officers)

PEKARSKIY, D.Ye.

Renal function in surgery under various types of anesthesia. Vest. khir.
93 no.9:111-113 S '64. (MIRA 18:4)

1. Iz 2-y kafedry khirurgii (zav. - prof. M.M.Lyakhovitskiy) Ukrain-
skogo instituta usovershenstvovaniya vrachey (rektor - dotsent I.I.
Ovsiyenko).

PEKARSKIY, D. Ye. (Khar'kov)

Clinical value of the xyphoidens phenomenon in acute chole-
cystitis. Klin. med. 41 no.7:128-130 JI'63 (MIRA 16:12)

1. Iz kafedry khirurgii No.2 (zav. - prof. M.M Lyakhovitskiy)
Ukrainskogo instituta usovershenstvovaniya vrachey.

PEKARSKIY, D. Ye.; KLIMKOV, N. A.

Device for objective registration of diuresis. Urologia. 29 no.2:
53-54 Mr-Apr '64. (MIRA 18:7)

1. Khirurgicheskaya klinika (zav. - prof. M.M.Lyakhovitskiy) Ukrainskogo
instituta usovershenstvovaniya vrachey i Ukrainskiy institut perelivaniya
krovi i neotlozhnoy khirurgii.

FEKARSKIY, D. Ye., FARBER, Yu. D, STEPANOV, G. N.

"THE VUS-21 AUXILIARY REMOTELY SUPPLIED REPEATER STATION"

Vestnik Svyazi, No8, 1952, pp 3-5

Translation M-1284, 8 Nov 56

KOSTRIKOV, V.S., kand.med.nauk; ZAKASHANSKIY, I.G.; PEKARSKIY, D.Ye.

Late results in the treatment of Achilles tendon injuries.
Vest.khir. no.6:84-90 '61. (MIRA 15:1)

1. Iz travmatologicheskogo otdeleniya (zav. - V.S. Kostrikov)
i 2-y khirurgicheskoy kliniki (zav. - prof. M.M. Lyakhovitskiy)
Ukrainskogo instituta usovershenstvovaniya vrachey na baze
32-y klinicheskoy bol'nitsy mediko-sanitarnoy chasti (nach. -
kand.med.nauk I.S. Yefimov) Khar'kovskogo traktornogo zavoda.
(TENDON OF ACHILLES--WOUNDS AND INJURIES)

L: 28464-66 ENT(d)/ENT(n)/EPP(n)-2/EMP(c)/EMP(v)/T/EMP(k)/EMP(l)/ENA(h)/ETC(m)-6

ACC NR: JP6010272

IJP(c) (N)

SOURCE CODE: UR/0381/66/000/001/0035/0039

AUTHOR: Gorbunov, V. I.; Pekarskiy, G. Sh.

ORG: Tomsk Polytechnic Institute im. S. M. Kirov (Tomskiy politekhnicheskii institut) 64
8TITLE: Flaw detection in extra-thick heavy metals with the aid of fast neutrons 19

SOURCE: Defektoskopiya, no. 1, 1966, 35-39

TOPIC TAGS: flaw detection, neutron detection, heavy nucleus, lead, fast neutron, scattering cross section

ABSTRACT: The passage of neutrons through matter is a complicated process, but for heavy nuclei in the neutron energy range 1-14 Mev the total interaction cross-section consists chiefly of elastic and inelastic scattering cross-sections. In elastic interaction between a fast neutron and a heavy nucleus center-of-mass motion may be disregarded and the scattering may be considered isotropic in a laboratory coordinate system. Since for heavy nuclei the mean logarithmic energy losses per collision are extremely small, e.g. 0.0096 for lead as compared with 0.158 for carbon, the retardation of fast neutrons owing to elastic scattering is insignificant. In inelastic scattering, owing to a unitary interaction, the bulk of neutrons passes over to the energy range $\epsilon \ll E_0$. In this range the process of elastic scattering, which occurs nearly without any energy loss, predominates. Therefore, an accumulation of low-

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UDC: 629.179.15

I 28468-66

ACC NR: AP6010272

-energy neutrons with a high penetrating power is observed in the neutron flux following its passage through a heavy-metal absorber. In this connection, on the basis of an experimental investigation of the transformation of the neutron spectrum of a Po-Be source it is shown that fast neutrons can be successfully utilized for flaw detection in extra-thick (300-600 mm) lead (discrimination level 3 Mev, collimation slit diameter 3 m, signal/noise ratio = 2). Flaw detection in heavy metals of such thickness with the aid of other radiation methods (X-rays, isotopes γ -rays, etc.) is not feasible, since a 300-mm thickness of lead corresponds to a 10^8 -fold attenuation of the bremsstrahlung of a betatron with a maximum energy of 30 Mev. An examination of the energy dependence of the inelastic scattering cross-section for other heavy elements (Pasechnik, M. V. Voprosy neytronnoy fiziki srednykh energiy. Kiev. Izd. AN UkrSSR, 1962) shows that they too can be inspected for flaws by neutron radiography. The selection of the right radiation source is important; since the inelastic interaction cross-section for various materials reaches its maximum in the 3-5 Mev region, this region should represent the lower energy boundary of the source used. In addition, in view of the considerable effect of the registrable contribution of inelastically scattered neutrons on the sensitivity of the flaw finder, the discrimination threshold of the recorder must be above the energy corresponding to the maximum in the Maxwell distribution of inelastically scattered electrons. Orig. art. has: 5 figures, 5 formulas.

SUB CODE: 13, 11, 20, 18/ SUBM. DATE: 29Jul65/ ORIG REF: 009/ OTH REF: 004

Cord 2/2 \ll

L 02352-67 EWT(1)/EWT(m)/T IJP(c)

ACC NR: AR6025731

SOURCE CODE: UR/0058/66/000/004/A062/A063

AUTHOR: Gorbunov, V. I.; Pekarskiy, G. Sh.

45
B

TITLE: Influence of the thickness of a transforming screen on the photographic density and blurring of the image in the photographic method of neutron registration

SOURCE: Ref. zh. Fizika, Abs. 4A538

REF SOURCE: Izv. Tomskogo politekhn. in-ta, v. 138, 1965, 62-65

TOPIC TAGS: neutron counter, cadmium, thermal neutron, neutron interaction, photographic densitometer, photographic image

ABSTRACT: The authors investigated the influence of the thickness of the converting screen on the photographic density and the blurring of the image in the photographic method of neutron registration. The material for the converting screen was chosen to be cadmium, which has a large cross section for the $Cd^{113}(n, \gamma)Cd^{114}$ interaction with the thermal neutrons. A procedure is proposed for calculating the optimal thickness of the converting screen. This procedure was used to calculate the photographic densities for four possible methods of using converting screens. The results of the calculations are presented in the form of graphs. These data lead to several conclusions concerning the practical utilization of converting screens. It is established that the most effective is the use of a sandwich of two films and one screen. The density in this case is 2.4 times larger, and the relative density remains the same as in the ordinary (frontal) location of the screen. The calculation procedure de-

Cord 1/2

Cord 2/2 *sh*

MIKELADZE, G.Sh.; NADIRADZE, Ye.M.; PKHAKADZE, Sh.S.; COGORISHVILI, B.P.;
DGEBAUDZE, G.A.; SCLOSHENKO, P.S.; SEMENOV, V.Ye.; BARASHKIN, I.I.;
SHIRYAYEV, Yu.S.; POSPELOV, Yu.P.; KATSEVICH, L.S.; ROZENBERG, T.L.;
Prinimali uchastiye: LORDKIPANIDZE, I.S.; TSKHVEDIANI, R.N.;
DZODZUASHVILI, A.G.; DUNIAVA, A.G.; PERARSKIY, L.F.; GRITSFNYUK, Yu.V.;
ZHELTOV, D.D.; LUZANOV, I.I.; GLADKOVSKIY, V.P.; PODMOGIL'NIY, V.P.;
VOROPAYEV, I.P.; BRIKOVA, O.V.; VRUBLEVSKIY, Yu.P.; KLYUYEV, V.I.;
BAYCHER, M.Yu.; LOGINOV, G.A.; SHILIN, V.K.; POPOV, A.I.; ZASLONKO, S.I.

Industrial experiments in the smelting of 45 o/o ferrosilicon in
a heavy-duty closed electric furnace. Stal' 25 no.5:426-429 My '65.
* (MIFA 18:6)

1. Gruzinskiy institut metallurgii (for Lordkipanidze, Tskhvediani,
Dzodzuashvili, Guniava). 2. Nauchno-issledovatel'skiy i proyektnyy
institut metallurgicheskoy promyshlennosti (for Brikova, Vrublevskiy,
Klyuyev). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut elektro-
termicheskogo oborudovaniya (for Baycher, Loginov, Shilin, Popov,
Zaslanko).

MAL'TSEV, L.A.; AKHMETSHIN, N.F.; ZHIVICHKINA, A.A.; SHCHEDROVITSKIY, Ya.S.;
BARASHKIN, I.I.; PEKARSKIY, L.F.; SEMENOV, V.Ye.

Secondary current supply in closed-top ferroc alloy-smelting furnaces.
Stal' 25 no.12:1099-1100 D '65. (MIRA 18:12)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii
i Almaznyanskiy zavod ferrosplavov.

MAL'ISEV, I.A.; SHCHERBOVITSKIY, Yu.S.; PEKARSKIY, L.F.

Electric conditions of making ferroalloy. *Stal'* 25 no.9:
239-241 Mr '65. (MIRA [P.4])

PEKARSKIY, M I I

137

PHASE I BOOK EXPLOITATION

SOV/5486

Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniya v narodnoye khozyaystvo SSSR. Riga, 1960.

Radioaktivnyye izotopy i yadernyye izlucheniya v narodnom khozyaystve SSSR; trudy soveshchaniya v 4 tomakh. t. 1: Obshchiye voprosy primeneniya izotopov, pritory s istochnikami radioaktivnykh izlucheniya, radiatsionnaya khimiya, khimicheskaya i neftepererabatyvayushchaya promyshlennost' (Radioactive Isotopes and Nuclear Radiations in the National Economy of the USSR; Transactions of the Symposium in 4 Volumes. v. 1: General Problems in the Utilization of Isotopes; Instruments With Sources of Radioactive Radiation; Radiation Chemistry; the Chemical and Petroleum Refining Industry) Moscow, Gosoptekhizdat, 1961. 340 p. 4,140 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR, and Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'sovaniyu atomnoy energii.

Ed. (Title page): N.A. Petrov, L.I. Petrenko and P.S. Savitskiy; Eds. of this Vol.: L.I. Petrenko, P.S. Savitskiy, V.I. Sinitzin, Ya. M. Kolotyркиn, N.P. Syrkin and R.F. Romm; Executive Eds.: Ye. S. Levina and B. F. Titakaya; Tech. Ed.: E.A. Mikhina.

Card 1/12

137

Radioactive Isotopes (Cont.)

SOV/5486

PURPOSE: The book is intended for technical personnel concerned with problems of application of radioactive isotopes and nuclear radiation in all branches of the Soviet economy.

COVERAGE: An All-Union Conference on problems in the introduction of radioactive isotopes and nuclear radiation into the national economy of the Soviet Union took place in Riga on 12-16 April 1960. The Conference was sponsored by: the Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR (State Scientific and Technical Committee of the Council of Ministers, USSR); Glavnoye upravleniye po ispol'zovaniyu atomnoy energii pri Sovete Ministrov SSSR (Main Administration for the Utilization of Atomic Energy of the Council of Ministers, USSR); Academy of Sciences, USSR; Gosplan USSR; Gosudarstvennyy komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (State Committee of the Council of Ministers, USSR, for Automation and Machine Building) and the Council of Ministers of the Latvian SSR. The transactions of this Conference are published in four volumes. Volume I contains articles on the following subjects: the general problems of the Conference topics; the state and prospects of development of radiation chemistry; and results and prospects of applying radioactive isotopes and nuclear radiation in the petroleum refining and chemical industries. Problems of designing and manufacturing instruments which contain sources of radioactive radiation and are used for checking and automation of technological processes are examined, along with problems of accident prevention in their use. No personalities are mentioned. References accompany some of the articles.

Card-2/12

Card-9/12

PEKARSKIY, M. D., Engineer

Mbr., Sverdlovak Tool Plant (-1945-)

"Milling Instead of Relieving Tooth Profiles of Threading Mills," Stanki I Instrument, 16,
Nos. 10-11, 1945

BB-52059019

PEKARSKIY, M. D. ed.

Metal cutting tools; constructor's reference book Sverdlovsk, Gos. nauch-tekhn. izd-vo
mashinostroit. lit-ry, 1947. 411 p. (48-26899)

TJ1230.P45

1. Metal-cutting. 2. Machine-tools.

PEKARSKIY, M. D.

Author: Pekarskiy, M. D.

Title: Metal cutting instruments, a technological information book. (Metallorezh-
uschie instrumenty) 323 p.

City: Moscow

Publisher:

~~Bobshchikov~~ State Printing House of Literature on Machine Consturction.

Date: 1949

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, No. 1, Page 18

PEKARSKIY, M. D.

"Investigation of the Geometry and Kinematics of the Shaving Process of Small-Module Gears,"
Thesis for degree of Cand. Technical Sci. Sub 6 Apr 50, Moscow Aviation Technological Inst

Summary 71, 4 Sep 52. Dissertations Presented for Degrees in Science and Engineering in
Moscow in 1950. From Vechernyaya Moskva. Jan-Dec 1950

PHASE I BOOK EXPLOITATION 1027

Klimov, Valeriy Ivanovich; Lerner, Anna Samoylovna; Pekar'skiy, Mikhail Davydovich; Smirnov, Lev Nikolayevich; Shley'movich, Mark Abramovich

Spravochnik instrumental'shchika-konstruktora (Tool Designer's Handbook) 2d ed., rev. and enl. Moscow, Mashgiz, 1958. 608 p. 40,000 copies printed.

Reviewer: Alekseyev, G.A., Engineer; Eds.: Rozin, A.I., Aronov, Z.M., and Ploskov, V.A., Engineers; Tech. Ed.: Dugina, N.A.; Executive Ed. (Ural-Siberian Division, Mashgiz): Bezukladnikov, M.A., Engineer.

PURPOSE: This handbook is intended for engineers, technicians and students in vuzes and tekhnikums.

COVERAGE: In the handbook data are presented for the design of cutting tools for planing, drilling, boring, countersinking, milling, threading, broaching and gear cutting. Design data for high-speed and carbide tools for use on automatic and semiautomatic machines are also discussed. No personalities are mentioned. There are 53 Soviet references.

TABLE OF CONTENTS:

Card 1/1

PEKARSKIY, M. D.

Surgical Instruments and apparatus.

Production and sharpening of spear-shaped surgical knives. Med. prom. no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1952 Uncl.

SMIRNOV, I.P., kand. tekhn.nauk, otv. red.; PEKARSKIY, M.D.,
kand. tekhn. nauk, zam. otv. red.; BOLUYREV, B.V.,
red.; VOLODIN, Ye.A., red.; GAYSINSKIY, B.Ye., red.;
DANIL'CHENKO, Ye.P., red.; KABATOV, Yu.F., red.;
KALANTAROV, K.D., red.; MISHIN, L.N., red.; ORSKIY, I.N.,
red.; FEDURKIN, V.V., red.; TSEPELEV, Yu.A., red.

[Materials of the scientific session devoted to the 25th
anniversary of the All-Union Scientific Research Insti-
tute for Medical Instruments and Equipment] Materialy
nauchnoi sessii, posviashchennoi 25-letiyu VNIIMIO. Mo-
skva, 1962. 65 p. (MIRA 17:2)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut
meditsinskogo instrumentariya i oborudovaniya. 2. Zame-
stitel' direktora Vsesoyuznogo nauchno-issledovatel'skogo
instituta meditsinskogo instrumentariya i oborudovaniya
(for PekarSKIY). 2. Direktor Vsesoyuznogo nauchno-
issledovatel'skogo instituta meditsinskogo instrumentariya
i oborudovaniya (for Smirnov).

PEKARSKIY, M.D.

Sharpening hypodermic needles at medical institutions. Vest.
khir. 75 no.6:137-142 J1 '55. (MLRA 8:10)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta
meditsinskogo instrumentariya i oborydovaniya. Moskva, B-78
Novo-Basmanaya ul. d. 4/6, kv.273

(SYRINGES,
needles, sharpening methods)

FEDURKIN, V.V.; NESTERENKO, A.T.; KOVSHAROVA, L.A.; RAZUMOVSKAYA, Ye.I.;
OSIPOVA, Ye.V.; VASIL'YEVA, G.S.; PEKARSKIY, M.D., *otv.red.*;
ZVORONO, B.P., *zamestitel' otv.red.*; BOLDYREV, B.V., *red.*; VOLODIN,
Ye.A., *red.*; DANIL'CHENKO, Ye.P., *red.*; ORSKIY, I.N., *red.*; MISHIN,
L.N., *red.*; FREYDIN, G.S., *red.*; TSEPELEV, Yu.A., *red.*

[Technological instruction material; aluminum and aluminum alloys
for medical articles] *Rukovodiashchie tekhnicheskie materialy;*
aliumini i aliuminievye splavy dlia meditsinskikh izdelii. Moskva,
M-vo zdravookhraneniia, 1959. 70 p. (MIRA 13:8)

1. *Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo*
instrumentariya i oborudovaniya.

(MEDICAL INSTRUMENTS AND APPARATUS) (ALUMINUM)

POMEL'TSOV, A.N.; PEKARSKIY, M.D.

Examining the lungs by means of densigraphy. Nov. med. tekhn.
no. 1:64-69 '60. (MIRA 14:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskikh
instrumentov i oborudovaniya.
(LUNGS--RADIOGRAPHY)

PEKARSKIY, M. D.

Pekarskiy, M. D. - "Nonapparent forms of tularemia," Vracheb. delo, 1949, No. 2, columns 109-10

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 11, 1949).

PEKARSKIY, M. D.

Pekarskiy, M. D. - "Treatment of tularemia patients with serum
from reconvalescents," Vracheb. delo, 1949, No. 2, columns
155-56

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

~~PHKARSKIY, M.D.~~

Effectiveness of a combination of desensitizing agents in allergic reactions of various etiologies. Klin.med.36 no.3:140-143 Mr '58.
(MIRA 11:4)

1. Iz Oblastnoy klinicheskoy bol'nitsy imeni Semashko (glavnyy vrach B.N.Shirokov)

(ALLERGY, ther.

combined desensitizing agents (Rus))

PEKARSKIY, M.D., dotsent (Ryazan')

Specific methods of treating influenza. *Klin.med.* 40 no.5:115-
117 '62. (MIRA 15:8)

1. Iz Ryazanskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach
B.N. Shirokov).

(INFLUENZA)

(SERUM THERAPY)

~~PEKARSKIY, N.I.~~

Effect of denervation on the changes of marrow. Biul. MOIP.
Otd. biol. 67 no.1:156-157 Ja-F '62. (MIRA 15:3)
(~~MARROW~~--INNERVATION)

27. 2400 2220
21.5250

31559
S/081/61/000/022/039/076
B110/B101

AUTHORS: Mamin, Ye. B., Moiseyenko, P. P., Pekarskiy, N. A.

TITLE: Universal canyon with annular channel for powerful γ -radiation sources

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 22, 1961, 278, abstract 22K11 (Sb. "Radioakt. izotopy i yadern. izlucheniya v nar. kh-ve SSSR. v. I". M., Gostoptekhizdat, 1961, 233-240)

TEXT: The authors describe the construction principles of protective devices and the calculation of the relative decrease in the amount of protective materials per unit of useful area of the canyon. They give initial data for the construction of lateral protections of the canyon with annular channel. They describe the structural elements of the universal protection canyon with a source of 10^5 g-equiv. Ra activity. [Abstracter's note: Complete translation.] X

Card 1/1

PEKARSKIY, N.I., assistant

Characteristics of the changes in lipid metabolism in arterio-
sclerosis under the influence of thyroidin. Trudy Kuib.med.inst.
11:222-227 '60. (MIRA 15:8)

1. Iz instituta terapii AMN SSSR (dir. instituta deystvitel'nyy
chlen AMN SSSR prof. A.L.Myasnikov) i iz fakul'tetskoy terapevti-
cheskoy kliniki (zav. klinikoy prof. N.Ye Kavetskiy) Kuybyshevskogo
meditsinskogo instituta.
(THYROIDIN) (ARTERIOSCLEROSIS) (LIPID METABOLISM)

PEKARSKIY, N. I., Cand Med Sci -- (diss) "Effect of thyreiodin ^{up} on the
content of cholesterol ^g and ~~lecithin~~ lecithin in the blood and its ^{therapeutic} ~~curative~~
^{value} ~~significance~~ in atherosclerosis." Kuybyshev, 1957. 16 pp (Kuybyshev State
Med Inst), 200 copies (KL, 15-58, 124)

PEKARSKY, S.

PEKARSKY, S.

S. PEKARSKY is the author of an article, "Radio Receiver VV-663".

(The radio set VV-663 is a superheterodyne receiver of the second class fed from an a.c. network with a voltage of 110, 127 and 220 volts. At the inlet of the receiver there is a filter designed for reducing signals, the frequency of which is intermediate. All trimmer condensers of the receiver are made of stone-ware, a fact which permits one to obtain more stable work of the receiver.)

SO: 2110267 Air, D1, ATIC, F-TS-8005, Oct. '52 (Excerpts from Russian Radio Magazine, No. 10, October, 1952)

PEKARSKIY, S.

235T51

USSR/Electronics - Radio Receivers Oct 52

"The VV-663 Radio Receiver," S. Pekarskiy

"Radio" No 10, pp 18-20

In 1952, the Tallin "Punane-Ret" Radio Plant, Min of Communications Equipment Ind, began the production of the VV-663 2d-class super-heterodyne to replace the VV-662. The receiver has long (150-415 kc), medium (520-1,500 kc), and 2 short-wave (3.97-7 Mc and 7-12.1 Mc) bands. Sensitivity is 200 μ v on long- and medium-wave bands and 300 μ v on short-wave bands. Lists changes made in the VV-663M, which has been produced since the 3d quarter of 1952. 235T51

PEKARSKIY, S.
USSR/Electronics - Wired Radio Centers

Jan 53

Amplifiers
Standards

"The State All-Union Standard (GOST) for Amplifiers of Wired Radio Centers,"

S. Pekarskiy and Kh. Fel'dman

Radio, No 1, pp 20-22

Discusses GOST 5968-51 which divides amplifiers into three classes and gives permissible values in each class for rated output power, rated effective input voltage, frequency band and variation in frequency response, etc. The rated output power of third-class amplifiers is 20 watts; second-class is 800 watts; while the rated output power for first-class amplifiers is not limited.

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6

PEKARSKIY, S., inzh.; DUBROVSKIY, V., red.

Societies should be organized in all enterprises. NTO no.4:
46-47 Ap '59. (MIRA 12:6)

1. Redaktor mnogotirazhnoy gazety "Tekstil'shchik," g.Serpukhovo,
Moskovskoy oblasti (for Dubrovskiy).
(Research, Industrial)

ДЕННИЙ, П. Пекерський, П. П., канд. економ. наук

(reduction of phosphorites in the Ukraine. Khim. prom.
Pr.) no.4-12-15 (1963). (MOR: 17-6)