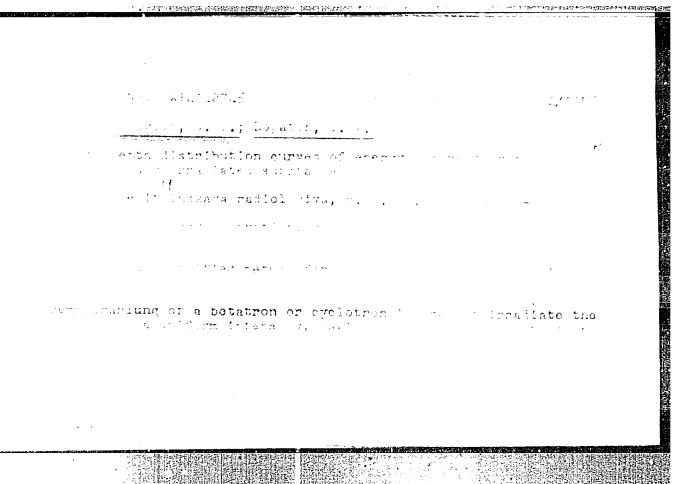
KCMAR, A.P.; KRUGLOV, S.P.; LOPATIN, I.V.

Iorization levices for the measurement of energy in \(\int_{-ray} \) beams. Med. rad. 9 no.7:46-51. J1 164. (MIRA 18:5)

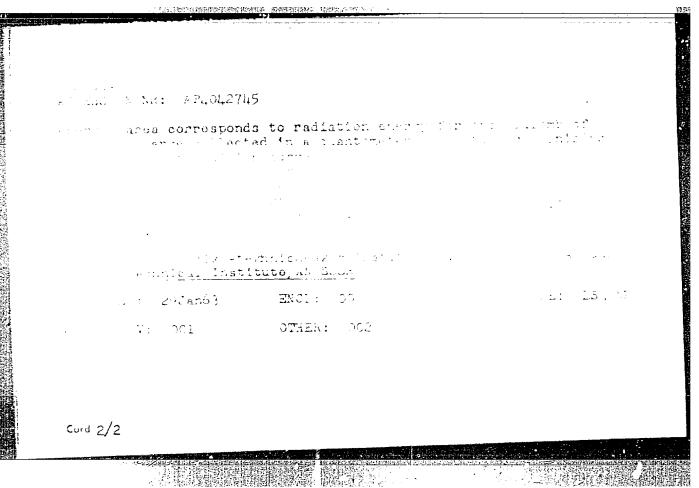
1. Fiziko-tekhnicheskiy institut imeni Ioffe AN SSSR.

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ACCESSION NR: AP4020338

B/0089/64/016/003/0258/0260

AUTHOR: Kruglov, S. P.; Lopetin, I. V.

TITLE: Measurements of energy in a bremsstrahlung beam over a range of E sub Gamma max z 15 to 80 HeV

SOURCE: Atomnaya energiya, v. 16, no. 3, 1964, 258-260

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TOPIC TAGS: energy, bremsstrahlung beam, calorimetric measurement, ionization measurement, calorimetric method, transition curve, quantometer

ABSTRACT: The results of calorimetric and ionization measurements in a wide range of Y radiation energy are compared. The comparison is conducted for three methods of determining energy in a bremsstrahlung beam: (1) calorimetric; (2) by measuring transition curves; and (3) by using a quantometer. These three methods provide results which agree within the limit of measurement errors in the range of E Gamma max = 15 to 80 Mev. Some systematic divergence between ionization and calorimetric measurements can be caused by inaccuracy of values. A comparison of quantometer readings with the results of measurement by transition curves indicated that the error in integration of transition curves

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normite this integration	ess than 1% during B Gamma max of the Simpson binary formula n to be carried out with up to mamined. Orig. art. has: 2 fi	TY SCCOLSCA IN CH	nd about er) e entire
ASSOCIATION: None		-	
SUBMITTED: 26Aug63	DATE ACQ: 31Mar64	ENCL: 00	
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Card 2/2			• *

ACCESSION NR: AP4019972

\$/0020/64/154/006/1318/1320

AUTHOR: Komar, A. P. (Academician); Kruglov, S. P.; Lopatin, I. V.; Mus, K. F.

TITLE: ! Constant sensitivity quantometer for gamma radiation of energy above 15 Mev

SOURCE: AN SSSR. Doklady*, v. 154, no. 6, 1964, 1318-1320

TOPIC TAGS: gamma quantometer, gamma radiation energy measurement, constant sensitivity quantometer, quantometer, ionization chamber, multiplate ionization chamber

ABSTRACT: The gamma quantometer is a multiplate ionization chamber used for measurement of the energy in a beam of gamma photons. Its ionization current depends on the partial ionization in different sections of the chamber. The purpose of the present work is to obtain a constant sensitivity of the quantometer in various energy ranges of gamma rays. This is achieved, first, by the construction of a new model permitting a better integration of the ionization in different

Cord 1/2

atm. instead of air.	r, by filling the chamber In the experimentally tes sensitivity was found to	sted energy range	
ASSOCIATION: Fiziko-tel nauk SSSR (Physics-Engi	chnicheskiy institut im. A ineering Institute, Academy	A. F. Ioffe Akademi of Sciences SSSR)	1
SUBMITTED: 23Nov63	DATE ACQ: 23Mar64	ENCL: 00	
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KRUGLOV, S.P., LOPATIN, I.V.

Distribution curves of energy absorbed along the depth with the presence of substances inhibiting irradiation. Med. rad. 19, 9 no.7:52-55 Jl 164. (MIRA 18:5)

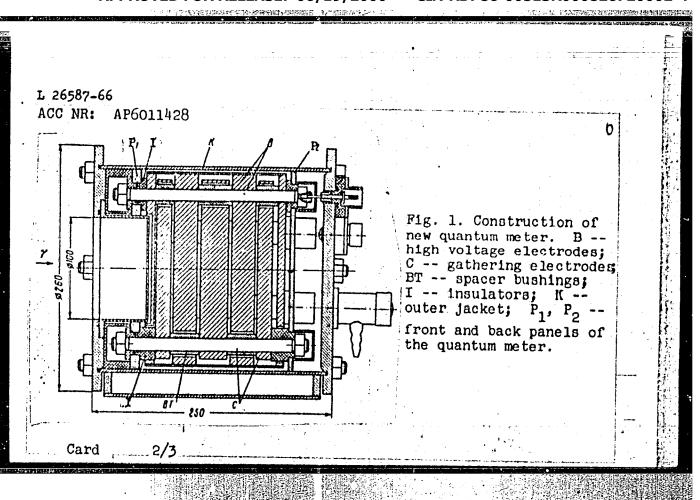
1. Fiziko-tekhnicheskiy institut imeni Icffe AN SSSR.

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CIA-RDP86-00513R000826720002-4

L 26587-66 EWT(m) D1	EAAP	
ACC NR: AP6011428	SOURCE CODE: UR/0020/66/167/004/0785/0788	
AUTHORS: Komar, A. P	. (Academician AN UkrSSR); Kruglov, S. P.; Lopatin, I. V.	
ORG: Physicotochaica	l Institute im. A. F. Ioffe, Academy of Sciences, o-tekhnicheskiy institut Akademii nauk SSSR)	in. 1
	ent for determining the date	
14	lady, v. 167, no. 4, 1966, 785-788	
	disting moderate and the	
ABSTRACT: The authors of γ radiation, as meatermined integrating to gration is by means of the curve and by means thicknesses of the abstraction them are calculated as the curve and the curve and by means the curve and by means the curve and by means the curve and between them are calculated as the curve and	describe an instrument in which the intensity asured by its absorption in a substance, is dethe area under the transition curves. The integration of a quadrature formula under the main area of s of a six-point Gaussian approximation. The sorbing copper plates and the widths of the gaps clated to obtain the best quadrature integration. UDC: 621.387.422:539.122	2
in the Percentage of the Perce	000: 621.387.422:539.122	



L 26587-66

ACC NR: AP6011428

The new quantum meter (Fig. 1) was experimentally checked for sensitivity against data obtained by the calorimetric method in the range of γ energy from 15 to 80 Mev and at 650 Mev and was found to be accurate to 2 -- 3%. The results show that the use of the Gauss quadrature formula results in a quantum meter with a smaller number of plates, with constant sensitivity at all bremsstrahlumg end-point energies larger than 15 Mev, and which does not lose sensitivity at energies below 100 Mev like the Wilson quantum meter. has: 2 figures and 8 formulas. Orig. art.

SUB CODE: 20/ SUBM DATE: 18 Sep65/ ORIG REF: 003/ OTH REF: 004

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720002-4

ACC 148. A10031275

20th CE CODE: 1./0 15 1/00/030/030/1710/1717

AUTHOR: Komar, A.P.; Kruglov, S.P.; Lopatin, I.V.

ORG: Physicotechnical Institute im. A.F. Ioffe, AN SSSR, Leningrad (Fixiko-tekhnichoskiy institut AN SSSR)

TITLE: A new type of quantometer (Gauss quantometer) for measuring bromsstrahlung beam energies

SOURCE; Zhurnal tokhnicheskoy fiziki, v. 36, no. 9, 1966, 1710-1717

TOPIC TAGS: nuclear physics apparatus, bromsstrahlung, energy, measuring apparatus

ABSTRACT: The authors discuss the design, construction, and performance of an automatic integrating quantometer for direct measurement of the energies of bremsstrahlung beams, analogous to the quantometer of R.R.Wilson (Nucl. Instr., 1,101, 1957). The suitability of different numerical integration formulas for integrating the copper transition curve is discussed, and it is concluded that Gauss' formula is the most advantageous. The described instrument employs seven copper absorbers with thicknesses ranging between 0.405 and 2.863 cm and gaps between them ranging between 0.104 and 0.284 cm. The absorber thicknesses and gap widths were selected in accordance with Gauss' integration formula. The instrument can be hermetically scaled and is designed to accommodate a 10 cm diameter beam. When filled with air at atmospheric preasure the sensitivity of the instrument is 0.877 x 10⁻¹⁰ C/MeV, The sensitivity was found experimentally to

Card 1/2

UDC: 539.074,22

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vary by less than 2% for bremsstrahlung beams with maximum energies from 15 to 650 MeV. The maximum beam power that can be measured with air filling is 10⁻³ W/cu² at a pulse rate of 50 Hz; by using a rare gas filling the maximum power that can be measured can be increased by a factor of 10³. The instrument can also be used to measure the powers of high energy electron beams. Orib. art. has: 8 formulas, 4 figures, and 1 table.

SUB CODE: 20 SUBM DATE: 22Nov65 ORIG. REF: 005 OTH REP: 004

KRUGLOV, Stepan Stepanovich, personal nyy pensioner, chlen Kommunisticheskoy partii Sovetskogo Soyuza; DUBROVINSKIY, V., red.; YEGOROVA, I., tekhn.red.

[The miracle of light] Chudo - svet. Moskva, Mosk.rabochii. 1960. 89 p. (MIRA 13:10) (Moscow Province--Rectrification)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4

"Nonthematal Permian Deposits of the Ensine of the Rivers
Labra and Belays in the Northern Caucasus," Cand Beel-Min Sci,
Chair of the History of Scole wand Falcentolo w. Recletical
Faculty, Chernovitsy State U. Min Migher Education, Recnovitsy,
1755. (EL, No 12, Mar 55)

So: Sum. No. 670, 29 Sep 55--Burvey of Scientific and Technical
Diesertations Defended at MSSR Migher Educational Institutions (15)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

AUTHOR:

Kruglov, S.S.

11-58-4-11/16

TITLE:

On Diabases of the Jentu Range and Khatsavita River in the North-West Caucasus (O diabazakh khrébta Dzhentu i r. Khatsavitoy na Severo-Zapadnom Kavkaze)

PERIODICAL:

Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958, Nr4, pp 95-96 (USSR)

ABSTRACT:

The author describes some outcrops of diabases he discovered during geologic surveys in the North-West Caucasus. These outcrops were not until now marked on the geological maps of the region and can help in the study of magmatic activity in this part of the Caucasus. The composition of the diabases is given.

There are 2 Soviet references.

ASSOCIATION:

Kavkazskaya ekspeditsiya Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova (The Caucasian Expedition of the Moscow State University imeni M.V. Lomonosov)

SUBMITTED:

April 11,1957

Card 1/1

1. Geology - USSR

3(5) AUTHOR:

Kruglov, S. S.

507/20-126-5-40/69

TITLE:

Bed Intrusions of the Dzhentu Range in the North-western Caucasus (Plastovyye intruzii khr. Dzhentu na severo-zapadnom Kavkaze)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 5, pp 1058 - 1061 (USSR)

ABSTRACT:

In spite of a comparatively thorough exploration of the magmatic formations of the area mentioned in the title (Refs 1-3,6,8), there are still some individual sections of their occurrence which were described very poorly or not at all. Among these are the magmatic rocks of the Dzhentu range in the drainage area of the river Laba. A survey of publications (Refs 6,8,12) is given. In 1956, the author especially investigated the magmatic rocks of the Dzhentu range as a member of the department of V. N. Robinson (with the participation of A. Ye. Shantser). These investigations confirmed the scheme by V. N. Robinson (Ref 11). Their age is lower-paleozoic (not younger than Silurian) and not Devonian (Refs 4,5) on the basis of the archaeocyathis (Ref 7) found in the containing limestones. Both the magmatic and the containing rocks are described in detail. The former

Card 1/3

Bed Intrusions of the Dzhentu Range in the North-western SOV/20-126-5-40/69 aucasus

consist of diorite-porphyrites and granite-porphyries as well as of diabases (Ref 10). Between the two former, there are transitions of the type of granodicrite-porphyries. The rocks described are not effusive but hypabyssal. Most probable they are extrusive facies of the complex of small intrusions (Refs 1-3). In 1957, the author investigated sedimentary deposits of granodiorite-porphyries on the upper course of the river Urup, which are identical with those of Dzhentu. Such rocks are also known under analogous depositing conditions of the river Pshekish, already in the drainage area of the river Belaya (Ref 6). Apparently synchronous are also sedimentary deposits of different compositions on the upper course of the rivers Kyafar and Zelenchuk, finally on the upper course of the Kuban (Ref 13). The lower carboniferous system may be regarded as the lower limit of the intrusions in question. The upper limit, however, is the lower Permian system. Thus, the bed intrusions belong to the final phases of the middle-paleozoic, or to the initial phases of the upper-paleozoic magmatic cycle of the Bol'shoy Kavkaz (Great Caucasus). L. A. Vardanyants and V. P. Kostyuk looked through part of the material of the author. V. N. Robin-

Card 2/3

Bed Intrusions of the Dzhentu Range in the North-western Caucasus

SOV/20-126-5-40/69

son gave some advice. There are 12 Soviet references.

ASSOCIATION: Ukrainskiy nauchno-issledovatel'skiy geologorazvedochnyy in-

stitut g. L'vov (Maraiman Joientific Geological Prospecting and

Research Institute Town of L'vov)

PRESENTED:

February 3, 1959, by D. V. Shcherbakov, Academician

SUBMITTED:

February 2, 1959

Card 3/3

Eastern Carpa lishs. Dokl. AN SSSR 135 no.5:1195-1198 D '60.

(MIRA 13:12)

1. Ukrainskiy nauchno-issledovatel'skiy geologoraxvedochnyy institut.

(Zadneye region—Geology, Structural)

KRUGLOV, S.S. [Kruhlov, S.S.]

Cretaceous volcanic formations of the Trostenets & ver in the eastern Carpathians. Dop. AN URSR no.10:1350-1355 '61.

(MIRA 14:11)

1. Ukrainskiy nauchno-issledovatel'skiy geologo-razvedochnyy institut. Predstavleno akademikom AN USSR 0.S.Vyalovym. (Carpathian Mountains-Geology, Stratigraphic)

Recent data on Cretaceous volcanism in the eastern Carpathians.

Dokl. AN SSSR 140 no.1:193-196 S-0 *61. (MIRA 14:9)

1. Ukrainskiy nauchno-issledovatel skiy geologorazvedochnyy institut. Predstavleno akademikom V.S.Sobolevym.
(Carpathian Mountains--Rocks, Igneous)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

Lower age limit of the Rakhov series in the flysch of the eastern Carpathians. Dokl. AN SSSR 140 no.4:898-901 0 '61. (MIRA 14:9)

Ukrainskiy nauchno-issledovatel'skiy geologorazvedochnyy institut,
 g. L'vov. Predstavleno akademikom D.V.Nalivkinym.
 (Carpathian Mountains--Flysch)

Granitic pebbles in the flysch of the Soviet Carpathians and their origin. Sov.geol. 5 no.12:127-132 D '62. (MIRA 16:2)

1. Ukrainskiy nauchno-issledovatel'skiy geologorazvedochnyy institut.

(Carpathian Mountains-Pebbles)

KRUGLOV, S.S.; POLEVAYA, N.I.

Absolute age of exotic granites in Soviet Transcarpathia. Inform. sbor. VSEGEI no.54:107-115 '62. (MIRA 17:1)

DABAGYAN, N.V.; ZHILOVSKIY, N.I.; KRUGLOV, S.S.

Microfauna and the stratigraphic position of the Shipot and Yalovetsk series of the Eastern Carpathians. Trudy UkrNIGRI no.5:106-124 163. (MIRA 18:3)

Mineralogical composition of the clay of the Cretaceous and Paleogene sediments in the inner portion of the Soviet Carpathians. Trudy UkrNIGRI no.5:125-141 *63. (MIRA 18:3)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

KALENICHENKO, T.D. [Kalenychenko, T.D.]; KRUGLOV, S.S. [Kruhlev, S.S.]; MIGACHEVA, Ye.Ye. [Mihachova, IE.IU.]

Stratigraphy of Middle Jurassic sediments in Soviet Transcarpathia.

Dop. AN URSR no.9:1193-1196 165. (MIRA 18:9)

1. Ukrainskiy nauchno-issledovatel*skiy gornorudnyy institut i Khar*kovskiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

Nature of the Marmorosh blocks of the Soviet Carpathians. Geol.sbor. [Lvov] no.9:41-54 '65.

(MIRA 18:12)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

SHVETS, Veniamin Izrailovich; GCROKHOVSKIY, A.I., retsenzent; KIVROVA, Ye.P., retsenzent; KRUGLOV, C.V., retsenzent; LUKHOVMYY, F.M., red.

[Hoisting and conveying machinery in light industry] Fod"-emno-transportnye mashiny v legkoi promyshlennosti. Mo-skva, Legkaia industriia, 1964. 290 p. (MTRA 17:10)

RAKITSKIY, G.A., KRUGIOV, T.A.

New mechanism for winding reserve yarn. Tekst. prom. 19 ne.5:62-65 My 159. (MIRA 12:10)

1. Glavnyy inshener fabriki imeni Oktyabr'skoy revolyutsii, g. Klintsy (for Rakitskiy). 2. Zaveduyushchiy apparatne-pryadil'nym proizvedstvem fabriki imeni Oktyabr'skoy revolyutsii, g. Klintsy (for Kruglev).

(Weaving) (Textile machinery)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

KRUCLOV, V., mayor

Transfer of fire from a checkpoint. Voen. vest. 42 no.4:
114-115 Ap '63. (MIRA 17:1)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4

KRUGLOV, V.A.

Combined method of the classification and grouping of parts. Standartizatsiia 28 no.7:28-29 Jl 164.

(MIRA 17:11)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4

KRUGLOV, V.A., inzh.; KRUGLOVA, L.V

Some problems of precision of multiple machining of parts on machine-tool units in instrument manufacture. Priborostroenie no.5:19-21 My 165. (MIRA 18:5)



"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4

KRUGLOV, V.A., insh.

Complex methods for a precision design of machining processes. Vest. mashinostr. 45 no.7:54-57 J1 '65. (MIRA 18:10)

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1	ACC NR: AP6031170 SOURCE CODE: UR/0361/66/000,002/0003/0615	
	AUTHOR: Nemenov, L. M.; Anisimov, O. K.; Arzumanov, A. A.; Golovanov, U. N.;	
-	Yezerskiy, V. F.; Kravchenko, Ye. T.; Kruglov, V. G.; Laktionov, I. A.; Heshcherov, R. A.; Heshcherova, I. V.; Popov, Yu. S.; Prokor Vev. S. I.; Rybin, S. N.; Fedorov, N. D.	
1	ORG: Institute of Nuclear Physics, AN KazSSR (Institut yadernoy fiziki AM KazSSR)	
İ	TITLE: Putting the Kazakhstan cyclotron into operation /3	
	SOURCE: AN KazSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 2, 1966, 3-15	
	TOPIC TAGS: cyclotron, proton accelerator, Hev accelerator, alpha particle / Ul502 cyclotron	,
	ABSTRACT: The U-150-2 cyclotron of the Institute of Nuclear Physics of the Academy of Sciences of the Kazak SSR is described. This cyclotron is designed to accelerate protons, deuterons, alpha particles, and multiply charged ions. Energies of 24 Mev are obtained with deuterons. Alpha particles and protons can be accelerated to 48 Mev and 20 Mev, respectively. Sixfold ionized carbon can be accelerated to 140 Mev. The magnetic field in the cyclotron necessary for 20 Mev deuteron production is 14000 certeds; this is produced by a current of 800 map. The necessary variation of the magnetic field with radius is obtained by the use of annular shims. The high frequency generator and its alignment is described. The dependence of beam current at various	
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5/181/61/003/007/011/023 B102/B214

AUTHORS:

Petrusevich, V. A., Sorokin, O. V., and Kruglov, V., I.

TITLE:

Applicability of the parameter of the "effective surface

recombination rate" for Ge and Si

PERIODICAL: Fizika tverdogo tela, v. 3, no. 7, 1961, 2023-2030

TEXT: The object of the authors was to demonstrate experimentally that cases in which the parameter of the "effective surface recombination rate" cannot be used for the characterization of the Si surface are realizable in practice, and that this parameter can be used generally for the characterization of Ge surfaces treated by the usual etching agents. The fact that the application of the effective surface recombination rate Seff is not always justified has been referred to by Shockley and Read (Phys. Rev. 87, 835, 1952). Also the conditions of applicability of this parameter were theoretically studied earlier. The authors of the present paper investigated n-type and p-type germanium with a conductivity close to intrinsic conductivity, and also n-type and p-type silicon with resistivities of 10 to 130 ohm.cm. After establishing the ohmic contacts the surfaces of the individual samples were treated differently, i. e., Card 1/6

25689 S/181/61/003/007/011/023 B102/B214

Applicability of the parameter ...

etched by different agents and under different conditions. The method of measuring the field effect has been described elsewhere by Sorokin (PTE, No. 2, 68, 1959). The change $\Delta \sigma$ of conductivity related to the change of Σ was determined from the field effect, and thus S_{eff} was found out.

Indeed, $S_{eff} = \frac{1}{16} - \frac{1}{16} (x) dx$, where Y(x) is the height of the surface potential barrier as a function of the coordinates, and T is the volume lifetime of the nonequilibrium carriers. The thickness d of the barrier is defined as the normal distance from the surface where Y = Y up to the place where Y = 1. The known theoretical relation $\Delta 6 = f(Y)$ is used for the determination of Y_0 (J. R. Schrieffer, Phys. Rev. 97, 641, 1955). The results of the investigations are given in a table. The positive values of Y_0 correspond to the blocking and inversion barriers, and the negative values to the anti-blocking barriers. Of particular interest are the results for Si, as only hypothetical data exist on the effects of the above-mentioned etching agents. For example, a strong blocking or even an inversion layer appears on p-type Si after it has been etched according to method 4, while either a weakly blocking or an anti-blocking barrier appears in n-type Si. All Card 2/6

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Applicability of the parameter ...

experiments were carried out in room atmosphere. The Table also contains data on the surface recombination rate calculated from the curves of the spectral distribution of photoconductivity. The following conclusions can be drawn from the results: 1) For sufficiently high surface potential barriers and the usual values of the diffusion length, a case is realizable in practice in which the notion of Seff loses all sense. The higher the resistance of the sample, the lower is the value of $\gamma_{\rm o}$ for which this will be the case, because of increases with Q. It is, therefore, to be expected that for semiconductors having a forbidden band width larger than that of germanium, the parameter Seff will not be applicable for relatively small 2) All conclusions which are based on the application of Seff or Teff should be revised, and it should be investigated whether the criteria for the applicability of $S_{\mbox{eff}}$ are fulfilled. This holds, above all, for the band structure of surface semiconductors with which $S_{\mbox{eff}}$ or $T_{\mbox{eff}}$ is used as a function of Y . 3) It is necessary to improve the theory of Card 3/6

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S/181/61/003/007/011/023 B102/B214

Applicability of the parameter ...

effects in which surface properties are involved, and to determine the role of the geometry of the potential barrier. 4) The criteria for the applicability of S_{eff} should also be improved. Above all, it should be kept in mind that T in the surface charge layer is in general not equal to T in the volume of the semiconductor. The authors thank G. Ye. Pikus, and G. L. Bir for discussions. There are 4 figures, 1 table and 14 references: 9 Soviet-bloc and 5 non-Soviet-bloc.

ASSOCIATION: Institut poluprovodnikov AN SSSR Leningrad (Institute of Semiconductors, AS USSR, Leningrad)

SUBMITTED: January 14, 1961 (initially) and February 10, 1961 (after revision)

Card 4/6

Savings Banks

"Collected exercises on accounts and accounting in the operation of savings banks," V. I. Stepanov, Reviewed by V. Kruglov, Sov. fin., 13, No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4

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	otchetnost' v sberegatel'nykh ka banks) Moskva, Gosfinizdat, 1954 tables.	smakh (Acounting and accou	inte ^r ility
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IRUOLOV, V.; KATS, L.

For basic improvement in the operation of savings banks. Fin. SSSR 17 no.11:36-47 M 156.

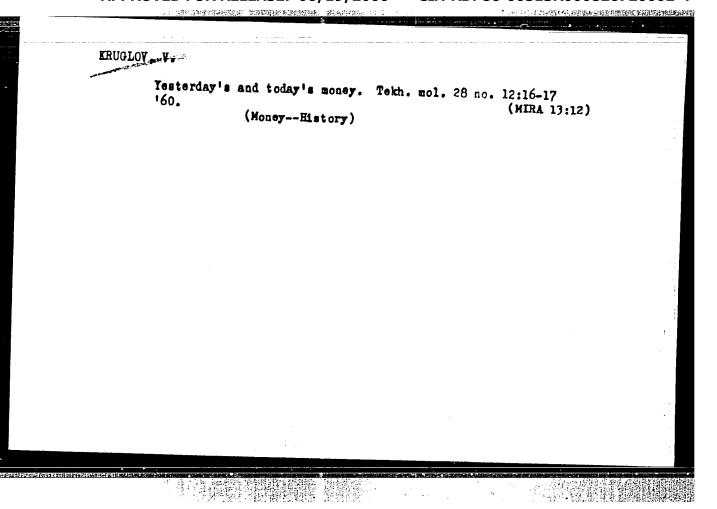
(Savings banks)

KEUGLOV. Vasiliy Ivanovich; DANILOV, P., otvetstvennyy red.; FILIPPOVA, E., red. isd-va; LEBELEV, A., tekhn. red.

[Savings banks in the U.S.S.R.] Sberegatel nye kassy v SSSR.

Moskva, Gosfinizdat, 1958. 36 p. (MIRA 11:9)

(Saving banks)



· 157 日初來与了例的自由的報告的數學的數學的 KRUGLOV, V.I., dots.; NARINSKIY, A.S., starshiy prepodavatel; RUBINOV, M.Z., dots.; TSVETKOVA, Ye.M., prepodavatel; MAZURKEVICH, M., red. izd-va; TELEGINA, T., tekhn. red. [Collected problems in accounting]Sbornik zadach po bukhgalterskomu uchstu. Moskva, Gosfinizdat, 1962. 262 p. (MIRA 15:9) 1. Leningradskiy finansovo-ekonomicheskiy institut (for Kruglov, Narinakiy, TSvetkova). (Accounting-Problems, exercises, etc.)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

KRUGLOV, Vasiliy Ivanovich; DRUYA, Ya.Ya., otv. red.; MAZURKEVICH, M., red.izd-va; LEHEDEV, A., tekhn. red.

[Accounting in savings banks] Uchet v sberegatel'nykh kassakh.

Moskva, Gosfinizdat, 1962. 270 p. (MIRA 15:7)

(Savings-banks—Accounting)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

ACC NR: AP7005007

SOURCE CODE: UR/0054/66/000/003/0066/0069

AUTHOR: Kruglov, V. I.; Hikandrova, G. A.; Strakhov, L. P.

ORG: none

TITLE: Photoconductivity of vitreous As2Se3

SOURCE: Leningrad. Universitet. Vestnik. Seriya fiziki i khimii, no. 3, 1966, 66-69

TOPIC TAGS: photoconductivity, selenide, arsenic compound

ABSTRACT: The spectral distribution of the photoconductivity of vitreous As₂Se₃ was determined by means of a U1-2 amplifier with compensation of the dark current. Two maxima, $\lambda = 0.9\mu$ and $\lambda = 0.77\mu$, were observed. The long-wave photoconductivity maximum is located at the edge of the fundamental absorption band. A fairly strong light scattering is observed in the same spectral range. The spectral distribution of "long-range" photoconductivity, i. e., one which is manifested when the sample is illuminated from the side of the interelectrode space, was determined. Using the concepts of direct and indirect transitions, the authors examine the nature of absorption at the edge of the fundamental absorption band. The photoconductivity at this edge and the photoconductivity in the shorter-wave range of the spectrum differ in their kinetic characteristics. Curves of photoconductivity kinetics for various wavelengths are given. At longer wavelengths, a slower rise and decrease of the photoconductivity are observed. Orig. art. has: 4 figures.

SUB CODE: 20/ SUBM DATE: 130ot65/ ORIG REF: 006

Card 1/1

UDC: 539,213

KONDAKOV, K.P., inzh. (Chelyabinsk); KRUGLOV, V.M., inzh. (Sverdlovsk)

Conveyor tunnels in the maintenance and inspection stations. Zhel. dor. transp. 45 no.5:69-71 My '63. (MIRA 16:10)

1. Zamestitel nachal nika Yuzhno-Ural skoy dorogi (for Kondakov).

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720002-4

L 43879-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(1)IJP(c) ACC NRI AP6030620 SOURCE CODE: UR/0413/66/000/016/0110/0110 INVENTOR: Vorob'yeva, T. M.; Mel'nichuk, A. Ya.; Kruglov, V. N. ORG: none TITLE: Digital servo. Class 42, No. 185118 SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 110 TOPIC TAGS: servo_system, logical element ABSTRACT: This Author Certificate introduces a digital servo with a housing, a return electromagnet (spring mechanism), and electromagnets with reciprocating cores whose number is equal to the number of digits in a binary number; the air gaps between the cores are correspondingly equal to one, two, four, etc. units. To eliminate the intermediate electropneumatic (electro-hydraulic) converters and simplify the system, the electromagnets with the reciprocating cores are arranged in sequence in the nonmagnetic housing so that their side surfaces touch the inner surface of the housing. [JR] SUB CODE: 09/ SUBM DATE: 10Jun65/ ATD PRESS: 5075 1/1 UDC: 681.142.07-525

KRUGLOV, V.P.; FIDLERMAN, K.N.

Shop for the production of glued bars for the frames of window and door sets. Der. prom. 12 no.6:14-15 Je *63. (MIRA 16:10)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy derevoobrabatyvayushchey promyshlennosti.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

KRUGLOV, V.P.

[Technological schemes for specialized wood processing production] Tekhnologicheskie skhemy spetsializirovannykh derevoobrabatyvaiushchikh proizvodatv. Moskva, TSentr. nauchno-issl. in-t informatrii i tekhniscookene issledovanii po lesnoi, tselliulozno-bumazhnoi, d rave-obrabatyvaiushchei promyshl. i lesnomu khoz., 1964. 20 p. (MIRA 2736)

7. Glavnyy spetsialist Gosudarstvennogo institut, po proyektirovaniyu lesozagotovitel'nov rassplavnoy i deresastrabatyvayushchey promyshlennosti.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720002-4

MARALDA, A. I.

USSR/Medicine - Veterinary

PD-1276

Card 1/1

: Pub. 137-13/17

Author

Title

: Kruglov, V. T., Candidate of Veterinary Sciences

: Concerning endurable doses of ASD-f2 and the role of liver in

utilization of the preparation

Periodical

: Veterinariya, 10, 58, October 1954

Abstract

: Results of experiments, conducted on various animals, showed that liver plays an important role in rendering harmless toxic effects of large doses of ASD-f2 preparation introduced into the blood stream. It can be seen, therefore, that large doses of ASD-f2 solution may be administered intravenously to cattle without creating any marked disturbance in their physical condition. Large doses of ASD may also be administered percrally without producing toxic effects, because it easily enters the blood stream through the gastro-intestinal tract.

Institution : All-Union Institute of Experimental Veterinary Medicine

Submitted

KRUGLOV, V.T., kandidat veterinarnykh nauk.

Biological stimulants used in veterinary surgery. Veterinariia 32 ne.1:61-66 Ja 155. (MIRA 8:2)

1. Vseseyusnyy institut eksperimental'ney veterinarii. (YMTHRIMARY SURGHRY) (BIOLOGICAL PRODUCTS)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

IRUGLOV, V.T., kandidat veterinarnykh nauk.

Veterinary drugs used in the German Democratic Republic. Veterinariia 33 no.6:82-87 Je 156. (MIRA 9:8)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.
(Germany, East---Veterinary materia medica and pharmacy)

Krucker, F.F.

USSR / Farm Animals. General Problems.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40387.

Author : Radkevich P. Ye., Kruglov V. Tr., Nikiforov,

N. I.

: Not given. Inst

: Dienestrol Discetate for the Fattening of Swine Title

and Cocks.

Orig Pub: Veterinariya, 1957, No 8, 74-76.

A THE REPORT OF THE PARTY OF TH

Abstract: A comparative investigation was conducted as to

the effectiveness of the use, for biological castration of swine and cocks, of the following Soviet-produced and imported preparations of dienestrol diacetate (I): folestrol (suspension I, in 2 ml. ampoules of 50 mg. I), folacopon (tablets of 25 mg. I), and platyphilline. The experiments were carried out at the kolkhoz and

Card 1/3

3

USSR / Farm Animals. General Problems.

Q

Abs Jour: Ref Zhur-Biol., No 9, 1956, 40387.

Abstract: sovkhoz farms on 1,206 pigs and 6,060 cocks. Folestrol was injected subcutaneously in a dose of 2 ml. to pigs weighing up to 100 kg., and in a dose of 4 ml. to pigs weighing over 100 kg. Platyphilline was injected thrice at intervals of 24 hours, in a dose of 1 ml. of 1% solution. Following the injection, the adult sows showed higher weight gain (by 6.4 kg. per head) and better meat quality than the control animals. The cocks used in the experimentation were approximately 2 months old, weighing 550-600 g. They were administered injections of 0.65 ml. of folestrol. Folacopon was implanted wither in the form of tablets (1-2) or as a suspension in 3% starch in the same dose as folestrol. Following the injection of folestrol

Card 2/3

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4

KRUBLOU, V.T.

COUNTRY : USSR

CATECORY : Pharmacology and Toxicology. Analeptics

ABS. JOUR. : REHBIOL., No. 5 1952, No. 23090

AUTHOR : Kruglov, V. T.

INST. : All-Union Institute of Experimental Veterinary

TITLE : On the Pharmacodynamics of Protognomonin

ORIG. PUB. : Tr. Vses. in-ta eksperim. veterinarii, 1957,

20, 342-353

ABSTRACT : The action of protoanemonin (P) upon the nervous

system, RES, hemopoietic, cardiovascular and excretory system, as well as its antimicrobial properties, were studied on the whole organism and on isolated organs. Under the influence of P (1-2 mg/kg), the absorption ability of RES increases and colloidal stain disappears from the blood more rapidly. A proliferation and

"Medicine

经验证 机铁铁铁矿 的现在分点

Card: 1/3

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

2018年1月1日日本

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4

COUMTRY CATEGORY AES. JOUR. : FZhBiol., No. 5 1959, No. 23090 AUTHOR MET. TITLE OBIG. FUB. : : hyperplasia of the reticuloendothelium and lym-ABSTRACT phoid tissue in the spleen, liver, lungs and cont'd other organs occurs. As a result of the increase of the regenerative function of RES, the process of healing of wounds is accelerated. I stimulates myeloid tissue, viz., the erythrocyte count, Hb, and leukocyte count increase, and the young forms of blood elements appear. P increases cardiac 2/3 Card:

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4

COUNTELL CATEGORY ĭ RZhBiol., No. 5 1959, No. 23090 ABS. JOUR. AUTHOR INST. : TITLE ORIG. PUB. ABSTRACT activity, tonicizes the vasemotor center and cont'd dilates the vessels of isolated organs. Tonicizing action of P upon the gastrointestinal tract is removed by atropine. F increases diuresis. P introduced into a vein in anesthetized animals sometimes produces awakening from anesthesia. P possestes a strong antifungal action in regard to cryptococcus, a causative agent of lymphangitis. The lethal dose of the preparation exceeds by 15-25 times the maximal therapoutic dose (2 mg/kg) .-- L.N. Lavrent'yev Card: 3/3 14.3 自然,他们就是阿尔斯·拉马斯

USSR / Diseases of Farm Animals. Diseases Cuased by R Bacteria and Fungi

Abs Jour: Ref Zhur-Biologiya, No 16, 1958, 74177

Author : Kruglov, V. Ti

: Not given Inst

: Test of Treatment of Lymphangoitis Epizootica Title

in Horses with Protoanemonin

Orig Pub: Tr. Vses. eksperim. veterinarii, 1957, 20, 354-360

Abstract: Good therapeutic effectiveness of protoanemonin is reported, tested on 27 horses through local administration. Concentration of 0.18 to 0.12 percent of protoanemonin solutions proved to be the most effective.

Card 1/1

CIA-RDP86-00513R000826720002-4" APPROVED FOR RELEASE: 06/19/2000

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4

USSR / Diseases of Farm Animals. General Problems.

: Ref Zhur - Biol., No 22, 1958, No 101308 Abs Jour

Author

: Kruglov, V. T.

了下一次是我们把**发现的**更是

Inst

: All-Union Institute of Experimental Veterinary

dedicino.

Title

: Treating Wounds and Ulcers with Protoanemonin.

Oriz Pub

: Tr. Vses. in-ta eksperim. veterinarii, 1957, 20,

361-366

Abstract

: It was demonstrated that when used locally, Protoanemonin (P() activates RES / reticulo-endothelial system / elements within the wound. When P in 0.5-1% castor oil solutions was used, wounds healed twice as fast. Following application of 0.18-0.2% solutions, lymphagioitic ulcers healed within 7-10 days, and nodes were resorbed in 83% of the cases. Then injuries and burns caused by

Card 1/2

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4

USSR / Diseases of Farm Animals. General Problems.

Abs Jour : Ref Zhur - Biol., No. 22, 1958, No 101308

phosphorus compounds were treated with intravenous injections of P, good results were obtained in a number of cases. The author recommends that P should be used for treating wounds, ulcers, and lymphangioitis in horses, as well as necrobacillosis in farm animals.

Card 2/2

3

- 25. 大き、内閣・大きな経済を経済を経済を持ちます。 またまからから、 ・ 12. というできます。 はいままない。 はいままない。 はいままない。 はいままない。 はいままない。 はいままない。 はいまない。 はいまないまない。 はいまない。 はいまないまない。 はいまないまない。 はいまない。 はいまないまない。 はいまない。 はいまないまない。 はいまないまない。 はいま

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4

RADKEVICH, P.Ye., professor; KRUGLOV, V.T., kandidat veterinarnykh nauk; NIKIFOROVA, N.I., kandidat veterinarnykh nauk.

A KidG LOGA TO

Dienestroldiacetate for fattening swine and roosters. Veterinariia 34 no.8174-76 Ag 157. (MIRA 1019)

l. Vsesoyusnyy institut eksperimental'noy veterinarii (for Radkevich, Kruglov). 2. Vsesoyusnyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii i ektoparazitologii (for Nikiforov).

(Acetoacetic acid) (Gastration)

[2]中国国际的APPERENTATION (APPENDING TOPPOSE TOP)

RADKEVICH, P.Ye., professor; KRUGLOY, V.T., kand.veterinarnykh nauk;

NIKIFOROV, N.I., kand.veterinarnykh nauk

Folestrol as a method of biological castration for swine and roosters being fattened. Trudy VIEV 22:301-306 *59. (MIRA 13:10)

(Folestrol) (Roosters) (Swine)

Toxicity of the third fraction of ABD preparation and its components in various methods of its use in the body. Trudy VIEV 22:327-334 159.

(Tissue extracts)

KRUGLOV, V.T., kand.veterinarnykh nauk Cytological picture of wound exudate following treatment of wounds with ASD preparation. Trudy VIEV 22:335-340 159. (MIRA 13:10) (Wounds and injuries) (Tissue extracts)

KRUGLOV, V.T., kand. veter. nauk; TITOV, V.V., kand. veter. nauk; ZELEPUKIN, V.S., red.; OKOLELOVA, Z.P., tekhn.red.

[Protection of farm animals against radioactive, chemical, and bacteriological contamination] Zashchita sel'skokho-ziaistvennykh zhivotnykh pri radioaktivnom, khimicheskom i bakteriologicheskom zarazhenii. Moskva, Sel'khozizdat, 1963. 38 p. (MIRA 17:3)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4

BELOV, Ye.M., kand. veter. nauk; KhUGI/OV, V.T., kand. veter. nauk; OSIPOVA, V.N., red.

[Protecting farm animals and plants against radioactive dust; safety manual for collective farm chairmen, state farm dimectors, field crew foremen, and farm managers] Zashchita sel'skokhoziaistvennykh zhivotnykh i rastenti ot radioaktivnoi pyli; pamiatka dlia predsedatelei kolkhozov, direktorov sovkhozov, brigadirov i upravlimiushchikh fermami, Koskva, Kolos, 1964. 16 p. (MIFA 18:5)

HRUGIOV, V. Ye.

Afforestation

Valuable experience of Sloboda mechanizors. Les i step! No. 4, April 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 1953, Uncl.

KRUGLĆV, V. YE.

Forestry Engineering

Leading mechanics of the Kharabalinsk shelterbelt station, Les. khoz. 5 No. 3(42), 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

. =	
1.	KRUGLOV, Y. IE.
2.	USSR (600)
4.	Astrakhan Province- Afforestation
7.	Work practice of the Kharabali Shelterbelt Station. Dost. sel'khoz. no. 6, 1952.
9.	Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.
- ,	

KORSHUNOV, A.A., gornyy inzh.; KRUGLOV, Ye.I., gornyy inzh.; ESAULOV, V.F., gornyy inzh.

Use of some new forms of timbering at the "Zolotushinskii" mine. Gor. zhur. no.7:77-78 Jl '65.

(MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'ski gornometallurgicheskiy institut tsvetnykh metallov (for Korshunov, Arugiov).

2. Zolotushinskiy polimetallicheskiy rudnik (for Esaulov).

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

s/056/62/043/006/014/067 B154/B102

AUTHORS:

Gorodinskiy, G. M., Krizhanskiy, L. M., Kruglov, Ye. M.

TITLE:

On magnitude of quadrupole interaction between Si 119m

and the onystal lattice

Zhurnal eksperimental'ney i teoreticheskoy fiziki, v. 43, PERIODICAL:

no. 6(12), 1962, 2050 - 2052 .

TEXT: The authors investigate the discrepancies observed between other authors' results (e.g. ZhETF, 40, 713, 1961; 41, 1347, 1961; 41, 1767, 1961 and Proc. Phys. Soc., 77, 1062, 1960; Phys. Rev., 123, 179, 1961; 120, 2211, 1960) concerning measurements of the quadrupole interaction between the Sn 119m nucleus and the crystal lattice. The experimental values of the resonance absorption line widths 21 varied between 0.9 and 1.8 mm/sec and the splitting constants Δ between $3\cdot10^{-8}$ ev and $(11.0\pm1.5)\cdot10^{-8}$ ev. The authors of the present paper used as source a $7\cdot15~\text{mg/cm}^2$ thick β -Sn foil (0.1% Sn 112 ; 2.3% Sn 119 ; 94% Sn 118) irradiated by a neutron beum of integral flux 2.1.10²⁰ neutrons/cm². β -Sn foils of several thicknesses Card 1/3

5/056/62/043/006/014/067 B154/B102

On magnitude of quadrupole ...

and other Sn compounds were used as absorbing media. The source as well as the absorption medium were kept at a temperature of T = 83 K. The results for several absorbing media are tabulated. The data from evaluation of the quadrupole splitting in the β -Sn lattice show good agreement with the Western papers and are in contradiction to the Soviet papers cited. It is concluded that the discrepancy may be due to instrumental splitting of the line measured. There are 3 figures and 1 table.

SUBMITTED

July 13, 1962

Соединение и тип	Тоящина.	21° ancm. 10-4 eV (3)	Δ,10-* eV	Нзомеряый сданг, — 10−1 eV
Sn (β), τ Sn (β), τ SnO ₃ SnO ₃	46 13.9 10,8 19,7 17,8	12,6±2 12,4±2 10±1,5 18,2±3 11,4±2	}1,5<∆<4 <3 <3	- 19 ±3 0,7±0,5 7,6±1,5

Card 2/3 -

S/056/62/043/c06/014/067
B154/B102

Legend to the Table: (1) Compound and the type of the lattice, (2) thickness, mg/cm², (3) 2t exp, 10-8 ev, (4) isomeric shift, 10-8 ev.

* type of the lattice: T - tetragonal, T(X) - tetragonal chalco-pyrite.

GORODINSKIY, G.M.; KRIZHANSKIY, L.M.; KRUGLOV, Ye.M.

Extent of quadrupole interaction between Snll9m nuclei and the crystal lattice. Zhur.eksp.i teor.fiz. 43 no.6:2050-2052 D 162. (MIRA 16:1)

(Nuclear interactions) (Tin-Isotopes)

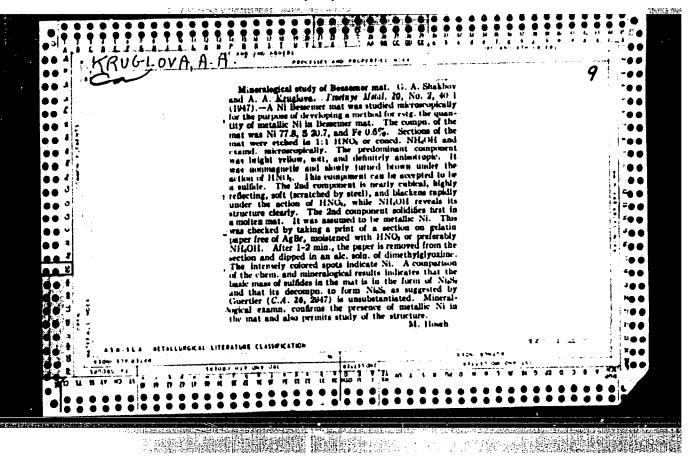
KHUGLOV, Yevgeniy Nikolayevich; PINUS, Emil'-Yakov Ruvimovich; YAKOVLEVA,
A.I., red.; GALAKTIONOVA, Ye.N., tekhn.red.; NIKOLAYEVA, L.N.,
tekhn.red.

[Constructing joints in cement-concrete pavements] Ustroistvo shvov v tsementobetonnykh doroshnykh pokrytiiakh. Moskva, M-vo avtomo-bil'nogo transp. i shosseinykh dorog RSFSR, 1960. 29 p.

(MIRA 13:9)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4



"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720002-4

USER/Netals Bessemer Process
Bulphides *Mineralogical Research on Taynshetyn, Prof G. A.
"Tevetnye Metally" No 2 "Illustrated article on the chemical components of "Haynshteyn," an intermediate metal sulphide product "Haynshteyn," an intermediate metal sulphide product chemical of the chemical components of
281761

"APPROVED FOR RELEASE: 06/19/2000

THE THE THE BEST WEST WAS TRANSPORTED TO A

CIA-RDP86-00513R000826720002-4

Calculation values of direct actar resolution on vertical curfacer. From.strol. 42 no.11140-42 N 164. (MIRA 1818)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

KHUGLOVA, Agrippina Il'inichne, chlen Kommunisticheskoy partii Sovetskogo Soyuse; PITKIN, L.H., red.; TIKHOHOVA, I.M., tekhn.red.

[To my young friends] Moin iunym drus'ism. Lenisdat, 1958, 76 p.
(Labor and laboring classes) (MIRA 12:3)

S/050/63/000/001/005/007 D218/D307

AUTHORS:

Kostyanoy, G. N. and Kruglova, A. I.

TITLE:

On the reduction of radiation errors in measurements of the temperature of air by the PK3-1A (RKZ-1A) radio-

PERIODICAL: Meteorologiya i gidrologiya, no. 1, 1963, 47

TEXT: It has been found that the radiation error may be reduced to 2 - 3 degrees at a height of 30 km by using the MMT-6 (MMT-6) thermistor, instead of the previously employed MMT-1 and by painting it with a white substance consisting mainly of BaSO4. The MMT-6

has a small diameter (by a factor of 2.5), and hence the convective heat transfer coefficient is larger by a factor of 1.5, so that the radiation error is reduced by an approximately equal factor. The white coating has a reflection coefficient of 85 - 90%, and this gives rise to reduction in the radiation error by a factor of 3 to 4. A modification of the holder, aimed at reducing its effect on

Card 1/2

On the reduction of ...

S/050/63/000/001/005/007 D218/D307

the thermistor, gave rise to a reduction in the radiation error by a factor of 1.2 - 1.5. It is stated that the RKZ-1A radiosonde, incorporating the MMT-6 thermistor, covered with the BaSO₄ coating and mounted on the lighter support, is comparable with, or may even be better than, the "better radiosondes employed abroad".

ASSOCIATION: Tsentralnaya aerologicheskaya observatoriya (Central Aerological Observatory)

|Card 2/2

KRUGLOVA, A.I., SHLYAKHOV, V.I.

Total radiation of the ocean waters in Antarctica and some parts of the Pacific and Atlantic Oceans. Trudy TSAO no.45:90-98 *62. (MIRA 16:10)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

Kittle Ava, A.I., inzh.

Determining the rate of predigitable falling in the walls of buildings. From strei. 42 no.71/2002 105.

(MIRA 18:8)

1. Nauchno-issledovatelickly institut strelterin y fiziki i ograzhdayushchikh konstruktriy.

KRUGLOVA, A.M., inch.

Efficiency promoters of the light industry of the White Russian Economic Council. Isobr.i rats. no.7:13-14 J. *58. (MIRA 11:9) (Efficiency, Industrial)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

Inventors and efficiency promoters put the mechanization and automatization of production into practice. Kosh.-obuv. pron. no.10:3 0 '59. (MIRA 13:2) (White Russia--Shoe manufacture) (White Russia--Leather industry) (Automatic control)

KRUGLOVA, A.P.

[Michurin varieties and ether new fruit and berry varieties]
Michurinskie i nevye sorta pledovo-iagodnykh kul'tur. Saratovskoe knizhnoe isd-ve, 1956. 97 p. (MIRA 12:3)
(Fruit--Varieties) (Berries--Varieties)

KHUGLOVA, TORTHWATED PLANTS, FIUTTS. SEPPLES. 2 626 T/ App. Jour. : AET ZHUR-BIOL.. 21,1968, NO. 961 43 Lather -Areploya, A.P. Institut. 13: 14: 6 Butter Rasphurry Marketian for the Central Volga Aren oris. Dir. 6. kh. Povalshiye, 1957, Po.8, 27-88 : A study has been conducted of o2 reapberry vari-Anatzaet etica for the part 15 years at Caratov Experimental Station. The most productive on an average covering the 15 years has been the verieties (in kg from a single became): Waerda Plodenbayashchaya 5100, Usanka 3820, Rannyaya Tompsons 3065, Kalu-zhanka 2965, Progress 2810, Novost' Kuz'mina 2700, Malboro 2555, and Hins 2500. Usanka and Kaluzhanka variaties have very unatable yields in some years. August shoot trimming to 10-12 om helped to increase 1/2 On a 155

KRUGLOVA, A.P., kand.sel'skokhoz.nauk

Developing Sphaerotheca-resistant varieties of gooseberries in the middle Volga Valley. Agrobiologiia no.3:419-423 My-Je '63. (MIRA 16:7)

 Saratovskaya opytnaya stantsiya po sadovodstvu. (Volga Valley--Gooseberry breeding) (Volga valley--Mildew)

Kruglova, H.V.

USSR Chemical Technology. Chemical Products and Their Application

I-12

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31528

Author: Kuznetsov A. Ya., Kruglova A.V., Kryzhanovskiy,

B. P.

Title : Heating of Glass- and Ceramic Ware by Means of

Semiconductor Films

Orig Pub: Zavod. laboratoriya, 1956, 22, No 8, 993-995

Abstract: It is recommended to utilize as the heating

element semiconductor tin dioxide. Films

consisting therefrom can be produced by treating the heated article with an alcohol solution of stannic chloride or with stannic chloride vapor.

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USSR /Chemical Technology. Chemical Products and Their Application

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Semiconductor films adhere well to the surface of glass, porcelain and other ceramic materials, and are characterized by high mechanical durability and chemical stability. Specific conductivity of a film 1-3 \(\text{thick is of about } 1000 \text{ ohm}^{-1} \). As concerns conduction the film is similar to an intermetallic compound. The films are stable to the action of electric fields: they withstand up to 5000 v/cm, current density of up to 30 a/mm², wattage of up to 15 w/cm². Use of semiconductor films in heating of porcelain beakers, porcelain funnels, quartz crucibles, glass funnels and heaters, made it possible to raise the efficiency to 80-94%.

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USSR /Chemical Technology. Chemical Products and Their Application

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Simplicity of the processes of film deposition, low cost of the starting products and prolonged stability of the coatings, indicate the necessity of their extensive utilization, as heating elements, in various technological fields.

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"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720002-4

ALL NR. <u>Aireumrat</u> ș SOURCE CODE: UR/0237/60/000/012/0007/0009 AUTHOR: Kuznetsov, A.Ya.; Kruglova, A.V.

ORG: None

TITLE: Investigation of ionic exchange reactions on glass by optical methods SOURCE:

Optiko-mekhanicheskaya promyshlennost, no.12, 1960, 7-9

TOPIC TAGS: optics, optic film, optic film property, optic coating, optical coating property, optic coating exchange reaction

ABSTRACT: This is an investigation of ionic exchange reactions on a glass surface by optical methods. Optical methods were used because of the negligible amounts of metals involved. Experimentation methods included production and stabilization of a 1000 A thick SiO₂ - containing film by etching Pyrex glass with HNO₃ at elevated temperatures, followed by drying over P2O₅. Reactions with chosen metal salts were then completed, followed by conditioning of the surface in hydrogen at 400 °C to reduce the cations to their atomic state. The spectral transparency of the glass was then measured, and the curves studied to determine the nature and the relative concentration of the cations in the film. Experimental results confirmed the decisive influence of the surface reactions upon the film's transparency. The action of hydrogen upon glasses previously processed with metal salt solutions causes a decrease in the spectral transparency curve ordinates. Each metal has its own characteristic. Reactions of mutual

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Conducting transparent coatings on a mica surface. Zav. lab.
31 no.11:1366 '65. (MIRA 19:1)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720002-4"

5(2, 4)

507/80-32-5-42/52

AUTHORS:

Kuznetsov, A.Ya., Kruglova, A.V., Kryzhanovskiy, B.P.

TITLE:

Films of Semiconductive Tin Dioxide With Raised Conductivity

PERIODICAL:

Zhurmal prikladnoy khimii, 1959. Vol 32, Nr 5, pp 1161-1163 (USSR)

ABSTRACT:

Transparent semiconductive films of tin dioxide on glass are widely used in aviation, sea and land transportation, photoelectric and electroluminescent devices, etc. They are prepared by treating glass heated to 600 - 650°C by alcohol solutions of tin tetrachloride, or by treating glass heated to 400°C by vapors of the products of hydrolysis of tin dichloride. The films have a resistance of several hundred ohms. For films of about ten ohms the thickness of the film must be increased, which deteriorates the transparency, or the electric conductivity must be raised. This can be attained by adding pentavalent metal atoms or fluorine atoms. The introduction of $\mathrm{NH}_{\mathrm{A}}\mathrm{F}$ in the amount of 3 - 10 weight \$ into a powder of SnCl2 yields best results. Pyrolytic treatment of the glass increases the specific conductivity to 3 · 103 ohm 1 · cm-1. The film has a thickness of 0.25 m and a resistance of 10 ohms. Its

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transparency is improved.

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Films of Semiconductive Tin Dioxide With Raised Conductivity 50V/80-32-5-42/52

There are: 1 table and 5 references, 4 of which are Soviet and 1

English.

SUBMITTED: July 10, 1958

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