

ANDREYEV, A.B. (continued) .... Card 2.

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METELITSYN, I.I., retsenzent, redaktor; MIKHAYLOV, S.M., retsenzent;  
redaktor; OLIVETSKIY, B.A., retsenzent, redaktor; PAVLOV, B.A.,  
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SOKOV, V.S., retsenzent, redaktor; SOKOLOV, N.S., retsenzent,  
redaktor; SPIVAKOVSKIY, A.O., retsenzent, redaktor; STRAMENTOV, A.Ye.,  
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(Continued on next card)

ANDREYEV, A.V.,(continued) .... Card 3.

TRET'YAKOV, A.P., retsenzent, redaktor; FAYJERMAN, Ye.M., retsenzent, redaktor; KHACHATYROV, T.S., retsenzent, redaktor; CHERNOV, H.V., retsenzent, redaktor; SHERGIN, A.P., retsenzent, redaktor; SHESTOPAL, V.M., retsenzent, redaktor; SHESHKO, Ye.F., retsenzent, redaktor; SHCHAPOV, N.M., retsenzent, redaktor; YAKOBSON, M.O., retsenzent, redaktor; STEPANOV, Yu.A., Professor, redaktor; DEM'YANYUK, F.S., professor, redaktor; ZNAMENSKIY, A.A., inzhener, redaktor; PLAKSIN, I.N., redaktor; RUTOVSKIY, B.N. [deceased] doktor khimicheskikh nauk, professor, redaktor; SHUKHGAL'TER, L. Ya, kandidat tekhnicheskikh nauk, dotsent; redaktor; BRESTINA, B.S., redaktor; ZNAMENSKIY, A.A., redaktor.

(Continued on next card)

ANDREYEV, A.V. (continued) .... Card 4.

[Concise polytechnical dictionary] Kratkii politekhnicheskii slovar'. Redaktsionnyi sovet; I.U.A. Stepanov i dr. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1955. 1136 p. (MLRA 8:12)

1. Chlen-korrespondent AN SSSR (for Plaksin)  
(Technology--Dictionaries)

ARTEM'YEV, Yu.N., kand. tekhn. nauk; ASTVATSATUROV, G.G., inzh.;  
BARABANOV, V.Ye., inzh.; BAIYKOV, G.A., inzh.; BISHOVATYY, S.I.,  
inzh.; GALAYEVA, L.M., inzh.; GAL'PERIN, A.S., kand. tekhn. nauk;  
GAL'CHENKO, I.I., inzh.; GONCHAR, I.S., kand. tekhn. nauk;  
DEGTYAREV, I.L., kand. tekhn. nauk; DYADYUSHKO, V.P., inzh.;  
YERMAKOV, I.N., inzh.; ZHOTKEVICH, T.S., inzh.; ZUSMANOVICH, G.G.,  
inzh.; KAZAKOV, V.K., inzh.; KOZLOV, A.M., inzh.; KOROLEV, N.A.,  
inzh.; KRIVENKO, P.M., kand. tekhn. nauk; LAPITSKIY, M.A., inzh.;  
LEBEDEV, K.S., inzh.; LIBERMAN, A.R., inzh.; LIVSHITS, L.G., kand.  
tekhn. nauk; LOSEV, V.N., inzh.; LUKANOV, M.A., inzh.; LYUBCHENKO,  
A.M., inzh.; MAMEDOV, A.M., kand. tekhn. nauk; MATVEYEV, V.A.,  
inzh.; ORANSKIY, N.N., inzh.; POLYACHENKO, A.V., kand. tekhn.nauk;  
POFOV, V.P., kand. tekhn. nauk; PUSTOVALOV, I.I., inzh.;  
PYTCHENKO, P.I., inzh.; PYATETSKIY, B.G., inzh.; RABOCHIY, L.G.,  
kand. tekhn. nauk; ROL'BIN, Ye.M., inzh.; SELIVANOV, A.I., doktor  
tekhn. nauk; SEMENOV, V.M., inzh.; SKOROKHOD, I.I., inzh.; SLABODCHIKOV,  
V.I., inzh.; STORCHAK, I.M., inzh.; STRADYMOV, F.Ya., kand. tekhn.  
nauk; SUKHINA, N.V., inzh.; TIMOFEYEV, N.D., inzh.; FEDOSOV, I.M.,  
kand. tekhn. nauk; FILATOV, A.G., inzh.; KHODOV, L.P., inzh.;  
KHMETSKIY, P.A., inzh.; TSVETKOV, V.S., inzh.; TSEYTLIN, B.Ye.,  
inzh.; SHARAGIN, A.M., inzh.; CHISTYAKOV, V.D., inzh.; BUD'KO, V.A.,  
red.; PESTRYAKOV, A.I., red.; GUREVICH, M.M., tekhn. red.

(Continued on next card)

ARTEM'YEV, Yu.N.--- (continued) Card 2.

[Manual on the repair of machinery and tractors] Spravochnik po  
remontu mashinno-traktornogo parka. Pod red. A.I.Selivanova.  
Moskva, Sel'khozizdat. Vols.1-2. 1962. (MIRA 15:6)  
(Agricultural machinery--Maintenance and repair)  
(Tractors--Maintenance and repair)

DEGTYAREV, I.M.

Incidence of caries of the teeth. Nauch. trudy Kaz. gos. med.  
inst. 14:25-26 '64. (MIRA 18:9)

1. Kafedra ortopedicheskoy stomatologii (zav. - prof. I.M.Oksman)  
Kazanskogo meditsinskogo instituta.

DEGTYAREV, I.M., aspirant

Incidence of dental caries in the population of Izhma  
village in the Komi A.S.S.R. Vop. obshchey stom. 17:5-6  
'64. (MIRA 18:11)

DEGTYAREV, I.P. (Novosibirsk)

Use of hot water and alcohol for the treatment of trigeminal neuralgia. Vop. neirokhir. 26 no.6:16-19 N-D'62 (MIRA 17:3)

1. Otdeleniye neurokhirurgii nauchno-issledovatel'skogo instituta travmatologii i ortopedii.



DEGTYAREV, I.P.; KUTYAKOV, M.G., kand.med.nauk

Invalidity caused by traumas in a rural district of Altai  
Territory. Sov.med. 28 no.12:116-118 D '65.

(MIRA 18:12)

1. Novosibirskiy institut travmatologii i ortopedii, Altayskiy  
meditsinskiy institut, Barnaul.

MALYAR, S.M.; FRIDENTAL, S.Kh.; KATSNEL'SON, Ye.A.; KUZNETSOV, F.F.;  
LIBER, V.P.; DEGTYAREV, I.T.

Fork lift with hydraulic control for the T-107 tractor loader.  
Rats. i izobr.predl. v stroi. no.89:6-9 '54, (MIRA 9:6)  
(Lumbering--Machinery) (Loading and unloading)

DEGTYAREV, I.Ya.

Electric slag welding of reinforcement rods with fixed equipment in the plant and with portable equipment during assembly operations. Avtom. svar. 16 no.4:55-62 Ap '63. (MIRA 16:4)

1. Vsesoyuznyy institut po proyektirovaniyu organizatsiy energeticheskogo stroitel'stva.

(Electric welding—Equipment and supplies)  
(Concrete reinforcements—Welding)

DEGTYAREV, Ivan Yakovlevich; MATVEYEV, B.P., red.

Сварка при изготовлении и монтаже арматурных конструкций

[Welding in the manufacture and assembly of reinforcement structures] Svarka pri izgotovlenii i montazhe armaturnykh konstruktsii. Moskva, Energiia, 1965. 239 p.  
(MIRA 18:2)

PAVLOVA, N.F.; DEGTYAREV, K.A.; NOVIKOVA, N.G.

Testing of coke produced in high-capacity ovens. Koks i khim. no.11:  
25-28 '63. (MIRA 16:12)

1. Yasinovskiy koksokhimicheskiy zavod.

DEGTYAREV, L.G., inzhener.

Economic aspects of continuous pouring of steel. Stal' 16 no.6:  
558-559 Je '56. (MLRA 9:8)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metal-  
lurgii.

(Gorkiy Province--Metallurgical plants)

TOMASHEVSKIY, Yuriy Ivanovich; KRIVOPALOV, Yuriy Aleksandrovich;  
DEGTYAREV, Lev Michaylovich; SVET, Ye.B., red.

[Mechanized casting of grinding media in shells] Mekhanizirovannaya otlivka meliushchikh tel v kokili'. Cheljabinsk, Cheljabinskoe knizhnoe izd-vo, 1961. 29 p. (RIFA 17-9)

DEGTYAREV, L.M.; IVANOV, V.A.; KURCHATOV, V.I.; LYUBIMOVA, E.I.

New loading device for holding furnaces. Kuz.-shtam. proizv.  
3 no.8:40 Ag '61. (MIRA 14:8)  
(Forge shops--Equipment and supplies)



NECHAYEV, Avenir Sergeyevich; DEGIYAREV, Lev Mikhaylovich; IVANOV, Vasilii Alekseyevich; CHUMAKOV, Yuriy Viktorovich; SVET, Ye.B., red.; KOLBICHEV, V.I., tekhn. red.

[Mill for the production of spirally welded tubes] Stan dlia proizvodstva spiral'no-svarnykh trub. Cheliabinsk, Cheliabinskoe knizhnoe izd-vo, 1961. 50 p. (MIRA 15:12)  
(Tubes--Welding) (Welding--Equipment and supplies)

REGTYAREV, L.S.; GANYUK, L.N.

Electron paramagnetic resonance spectra of tetramethylthiuram disulfide and its copper complex. Vysokom. soed. 6 no.1: 28-30 Ja'64. (MIRA 17:5)

1. Institut fizicheskoy khimii imeni L.V. Pisarzhevskogo AN UkrSSR.

DEGTYAREV, L.S.; GANYUK, L.N.; GOLUBENKOVA, A.M.; BRODSKIY, A.I.

Electron paramagnetic resonance spectra and the transmission of the influence of substituents in anion radicals of para-nitrodiphenyls. Dokl. AN SSSR 157 no.6:1406-1409 Ag '64.  
(MIRA 17:9)

1. Institut fizicheskoy khimii im. L.V. Pisarzhevskogo  
AN UkrSSSR. 2. Chlen-korrespondent AN SSSR (for Brodskiy).

T. 36964-66 EWT(m)/EWP(j) RM

ACC NR: AP6027803

SOURCE CODE: UR/0063/66/011/002/0195/0202

AUTHOR: Brodskiy, A. I. (Corresponding member); Gordiyenko, L. L.; Leptyarev, L. S.ORG: AN SSSR

TITLE: Effect of substituents on the polarographic potentials and EPR spectra of aromatic anion-radicals

SOURCE: Vsesoyuznoye khimicheskoye obshchestvo. Zhurnal, v. 11, no. 2, 1966, 196-202

TOPIC TAGS: ion radical, EPR spectrum, polarographic analysis, substituent

ABSTRACT: The polarographic reduction and EPR spectra of anion-radicals of a number of alpha- and beta-substituted anthraquinones, phenazines, p-nitrodiphenyls with substituents in the second para position as well as of substituted para-nitrostilbenes were investigated. These works were arranged for the purpose of obtaining data on the effect of substituents on the distribution of the spin densities and on the transmission of the effect of the substituents through the aromatic ring and conjugation chains. The basic results of these works are presented.

In Table 1 is presented the polarographic potentials of  $E_{1/2}$  of the first halfwave for the unsubstituted substance and its derivatives with substituent R. From these data it is seen that the nature of the substituent strongly affects the value of  $E_{1/2}$ , changing it in the expected direction.

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UDC: 543.253 + 547.52

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ACC NR. AP6027803

TABLE 1

anthraquinones $E_{1/2}^{II} = 0.174 \text{ eV}$		phenazines $E_{1/2}^{II} = 1.245 \text{ eV}$	
substituent R	$\Delta E_{1/2}^{II} - E_{1/2}^{II} - E_{1/2}^R$	substituent R	$\Delta E_{1/2}^{II} - E_{1/2}^{II} - E_{1/2}^R$
$\beta\text{-NH}_2$	-0.158	$\beta\text{-OCl}_2$	-0.050
$\beta\text{-Cl}_2$	-0.031	$\beta\text{-Cl}_2$	-0.027
$\beta\text{-C}_6\text{H}_5$	-0.022	$\beta\text{-C}_6\text{H}_5$	-0.065
$\beta\text{-F}$	+0.041	$\beta\text{-Cl}$	+0.139
$\beta\text{-Cl}$	+0.073	$\beta\text{-ClO}$	+0.202
$\beta\text{-Br}$	+0.071	$\beta\text{-CN}$	+0.311
$\beta\text{-CONH}_2$	+0.071	$\beta\text{-NO}_2$	+0.417
$\alpha\text{-NH}_2$	-0.088	$\alpha\text{-OCl}_2$	-0.038
$\alpha\text{-OCl}_2$	-0.032	$\alpha\text{-Cl}$	+0.009
$\alpha\text{-CONH}_2$	+0.034	$\alpha\text{-CONH}_2$	+0.227
$\alpha\text{-I}$	+0.046	$\alpha\text{-CONHC}_6\text{H}_5$	+0.300
$\alpha\text{-F}$	+0.057		
$\alpha\text{-Cl}$	+0.072	$\alpha\text{-CONHC}_6\text{H}_5$	+0.319
$\alpha\text{-NO}_2$	+0.211		
1-NO <sub>2</sub> , 2-COOH	+0.110	2-Cl, 6-OCl <sub>2</sub>	-0.023
		2-Cl <sub>2</sub> , 7,8-benz-phenazine	-0.233
1,2-benz-thraquinone	+0.184		

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I. 36964-66

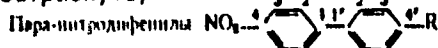
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The comparison of the experimental and calculated polarographic potentials of  $E_1$  and the resolution constants  $a_N$  and  $a_H$  in the EPR spectra are presented in table 2.

TABLE 2

Substituent		$a_H$		$a_N$		$a_H^2$	
R	X	ob.	cal.	ob.	cal.	ob.	cal.

(p-nitrodiphenyls)



$\text{NH}_2$	-0.3681	1.119	1.119	11.1	10.9	3.6	3.20
$\text{CH}_3$	-0.3596	1.109	1.109	10.6	10.4	3.6	3.20
H	-0.3392	1.096	1.085	9.8	10.3	3.6	3.20
F	-0.3528	1.094	1.102	9.4	9.8	4.0	3.10
Cl	-	1.062	-	9.6	10.0	3.3	3.08
Br	-0.3150	1.053	1.057	9.4	10.1	3.3	3.10
$\text{COOC}_2\text{H}_5$	-0.3281	0.901	0.895	8.9	8.1	3.1	2.53
$\text{COCH}_3$	-0.3243	0.888	0.893	8.7	7.8	4.0	2.44
$\text{NO}_2$	-0.2704	0.867	0.866	3.6	3.9 <sup>a</sup>	1.3	1.25
						0.3	0.38 <sup>a</sup>

(p-nitrostilbenes)



$\text{NH}_2$	-0.3198 <sup>a</sup>	1.017	1.011	9.5	9.8	1.5	1.55
H	-0.3101	0.996	1.001	9.2	9.0	-	1.58
$\text{NO}_2$	-0.2341	0.929	0.929	3.3	3.3	2.2	2.45 <sup>a</sup>
						1.2	0.83 <sup>a</sup>

Orig. art. has: 7 figures and 3 tables. [JPRS: 36,455]

SUB CODE: 07, 20 / SUBM DATE: none / ORIG REF: 008 / OTH REF: 017

6-11 212 110

PHASE I BOOK EXPLOITATION

1158

Degtyarev, Lev Grigor'yevich

Ekonomika martenovskogo proizvodstva (Economics of Open-hearth Production)  
Moscow, Metallurgizdat, 1957. 133 p. (Series: Ekonomicheskiye voprosy  
metallurgii) 3,000 copies printed.

Ed.: Ryabin'kiy, B.Ya.; Ed. of Publishing House: Khutorskaya, Ye.S.;  
Tech. Ed.: Islent'yeva, P.G.

PURPOSE: This book is intended for workers and foremen in open-hearth departments.

COVERAGE: The book deals with the basic economic questions of open-hearth steel production: fixed and circulating assets, finished production, labor, wages, production costs, and profits. Wholesale prices are given for raw materials and fuel. The first chapter gives a brief account of the development of open-hearth steel production in tsarist Russia and its growth under the Soviet regime and indicates possible future development through the adoption of more progressive methods. No personalities are mentioned. There are 17 Soviet references.

Card 1/4

Economics of Open-hearth Production (Cont.)

1158

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AVAILABLE: Library of Congress

Card 4/4

GO/mms  
2-12-59

DEGTYAREV, Lev Grigor'yevich; ROZHKOV, V.A., red.; PINIGIN, I.I., red.  
izd-va; KARASEV, A.I., tekhn.red.

[Economic aspects of the blast furnace industry] Ekonomika  
domennogo proizvodstva. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry  
po chernoi i tsvetnoi metallurgii, 1960. 136 p. (MIRA 13:9)  
(Blast furnaces) (Metallurgical plants--Accounting)

DEGTYAREV, M., chlen professional'nogo soyuza s 1921 goda

Deeds speak louder than words. Sov. profsoiuzy 19 no.11:21  
Je '63. (MIRA 16:8)

1. Kugurchanskiy cherepichno-kirpichnyy zavod, Odesskaya obl.  
(Odessa Province--Brick industry) (Trade unions)

DEGTYAREV, M.D.

**AUTHORS:** Itinskaya, N.I. and Degtyarev, M.D. 65-10-9/13

**TITLE:** On the Problem of the Stability and Mechanism of Action of the Tsiatim-339 Additive (K voprosu o stabil'nosti i mekhanizme deystviya prisadki Tsiatim-339)

**PERIODICAL:** Khimiya i Tekhnologiya Topliva i Masel, 1957, No.10, pp. 47-52 (USSR)

**ABSTRACT:** An investigation of the stability of the above additive in operating oil and the mechanism of its action were investigated. The stability of the additive, i.e., the amount of the additive left in an oil after a given number of hours of operation of an engine was determined on the basis of the changes in the barium content of carefully filtered oil. Ash, sulphur, barium and washing properties of oil samples (using ПЗВ apparatus) were tested after various numbers of hours of operation. Diesel oil ДТ-14 with the additive used in tractors ДТ-54 in normal agricultural service (5 tractors were under observation) were studied. Service conditions of tractors and the consumption of fuel and oil are given in Table 1 and the experimental results obtained in Table 2 and Figs. 1-3. In order to establish the difference in the oxidation of oil ДТ-14 without and with 3% of Tsiatim-339, the appropriate samples were submitted to

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65-10-9/13

On the Problem of the Stability and Mechanism of Action of the  
Tsiatim-339 Additive

artificial oxidation by blowing air at a rate of 5 litres/min at 165 °C. The results obtained are given in Fig.4. On the basis of experimental and literature data, the following mechanism of the action of the additive TsiATIM-339 was postulated. The additive forms an adsorption film on the products of oxidation of oil, which prevents their further coagulation; it also acts as an anti-oxidant by slowing down the process of oxidation; it partially neutralises acids formed as well as produces a film on sliding parts, thus protecting them from corrosion. On interaction of the additive with an organic acid, an exchange reaction takes place with the formation of salts (which decreases the acidity of oil) and the separation of various alkylphenols. Both the initial additive as well as alkylphenols are adsorbed on the products of ageing of oil, thus preventing their coagulation and formation of a precipitate. The presence of sulphur in alkylphenols secures the formation of a film on metals, protecting them from corrosion. The products formed of the alkylphenol type are anti-oxidants slowing down the process of oxidation of the oil. There are 2 tables and 4 figures.

Card 2/3

65-10-9/13

On the Problem of the Stability and Mechanism of Action of the  
Tsiatim-339 Additive

ASSOCIATION: Institute of Mechanisation of Agriculture  
(Institut mekhanizatsii sel'skogo khozyaystva)

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Card 3/3

DEGT YAREV, M.M.  
BC

u-1

Investigation by the optical method of the elastic limit of rock-salt crystals as a function of the rate of increase of the deformative force. V. D. Kuznetsov and M. M. Drogobatsky (J. Exp. Theor. Phys. U.S.S.R., 1968, 6, 643-650).—Within certain limits the rate of increase of tension on NaCl does not affect the elastic limit before rupture. Tempering of the crystals at 620-650° must be continued 2-3 days, with slow raising and lowering of the temp., to obtain crystals satisfactory for optical purposes. (H. ARS. (e))

ASM-SL-A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	SERIALIZED	INDEXED	FILED



DEGTIAREV, M. M.

PA 1637102

USSR/Physics - Copper  
Deformation

Apr 50

"Absorption of Energy During Deformations of the Opposite Sign in Copper," M. M. Degtyarev, Siberian Physicotech Inst, Lab of Metallophys

"Zhur Tekh Fiz" Vol XX, No 4, pp 440-446

Basic part of energy absorbed during plastic deformation must be energy of residual stress. For compressive deformation of copper samples preliminarily stressed, what occurs first is discharge of residual stresses created by tension, and only later does sample begin to store

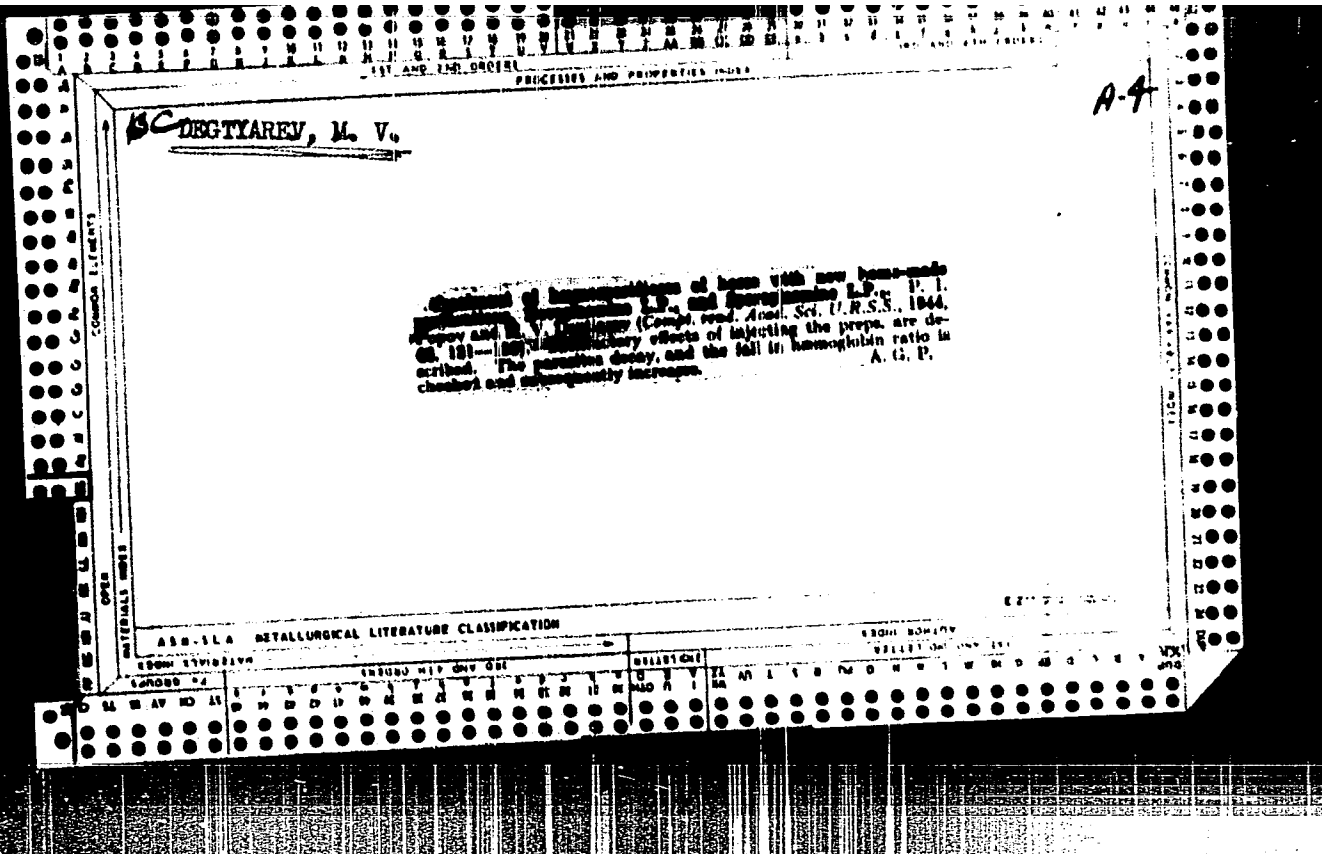
1637102

USSR/Physics - Copper (Contd)

Apr 50

Latent energy when a higher degree of deformation is reached. Describes installation used in these tests. Submitted 20 Jan 49.

1637102



PROCESSES AND PROPERTIES MODEL

114

DEGTYAREV, M. V.

**Novoplasmine: A new chemotherapeutic agent.** P. I. Popov and M. V. Degtyarev (Kazan Veterinary Research Inst.). *Farmakol. i Toksikol.* 8, No. 5, 15-20 (1945).

The etiotropic and organotropic effects of *sym*-bis(*p*-dipropylamino)benzylurea bis(methyl methosulfate) or novoplasmine (I),  $p\text{-Et}_3\text{NC}_6\text{H}_4\text{NHC(O)NH}_2\text{C}_6\text{H}_4\text{NEt}_3 \cdot 2\text{HCl}$  or sporoplasmine (II), *sym*-bis(6-quinolylo)urra bis(methyl methosulfate) or pyroplasmine (acaprime, III) were studied in dogs and horses. Given to horses subcutaneously, I is effective against hemoparasita infections in doses of 0.0001 (0.0002 cc. (2) of 1% soln. per kg. in cones). Arterial tension and pulse rate are increased. In cones of 0.1-1 p.p.m. I increases contraction in isolated frog, cat, and rabbit hearts. At 2 p.p.m., or by longer action at lower cones, cardiac muscle tonus is raised and diastole is decreased. For horses the doses of I are: subtoxic, 0.00025; toxic, 0.0001; lethal, 0.0005 cc. (2) of 1% soln. per kg., given subcutaneously; but toxicity depends greatly on the age, health, and nutritional state of the animal. While I, II, and III have similar effects, I is most active and permits the massive dosage called for in the Ehrlich concept of chemotherapy. Cardiograms of perfusion tests in isolated rabbit hearts with I at 0.125 and 0.25 p.p.m. show high sensitivity at these cones.

Julian F. Smith

METALLURGICAL LITERATURE CLASSIFICATION

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

KONCHUKOV, N.P., dotsent; DEGTYAREV, M.Ya., starshiy prepodavatel'

Professor Ivan Grigor'evich Krasovskii 1883-- (for his 80th birthday).  
Izv.vys.ucheb.zav.; geod. i aerof. no.1:149-151 '64.

(MIRA 17:12)

1. Poltavskiy inzhenerno-stroitel'nyy institut.

~~DEGTYAREV, N.~~

In artels for the handicapped in Odessa. Prom.koop. no.7:19 J1 '57.  
(Odessa--Artel) (MLRA 10:8)

*DEGTYAREV, N.*

DEGTYAREV, N.

Stonecutting machine. Sel'. stroi. 12 no.10:22 O '57. (MLRA 10:11)

1. Inzhener-inspektor po stroimaterialam Odesskogo oblastnogo upravleniya po stroitel'stvu v kolkhozakh.  
(Stonecutting)

VIKHMEN, A.; SAVEL'YEV, V. (Arkhangel'sk); DEGTYAREV, N.; RYABENKOV, Ya.;  
BOBROVSKAYA, Z.; KULAGIN, N.; GROMADCHENKO, A. (g. Shakhty); MUN'KO, B.  
(g. Zaporozh'ye); STROGANOV, B. (Kaliningrad); KAZAKOV, P.;  
MAKAROV, L. (Dnepropetrovsk); ABRAMOVA, V. (Grodno); MOTCHENKO, V.  
(Kiyev); KRASNOV, A. (g. Al'met'yevsk); KAPLAN, Ya.; KASATKIN, I.  
(Yaroslavl').

Letters to the editors. Sov.profssoiuzy 16 no.4:44-49 F '60.

(MIRA 13:3)

1. Chlen zavkoma, predsedatel' komissii okhrany truda moskovskogo zavoda "Elektrosvet" imeni P.N. Yablochkova (for Vikhman). 2. Glavnyy inzhner Kuchurganskogo cherepichno-kirpichnogo zavoda, selo Sokhal'skoye, Rozdel'nyanskogo rayona, Odesskoy oblasti (for Degtyarev). 3. Dorozhnyy komitet professional'nogo soyuza rabotnikov zheleznodorozhnogo transporta, Sverdlovsk (for Bobrovskaya, Kulagin). 4. Novotrubnyy zavod, g. Pervoural'sk (for Kazakov). 5. Predsedatel' postroychnogo komiteta 5-go stroyrayona tresta "Al'met'yevneftestroy" (for Krasnov). 6. Predsedatel' ob'yedinennogo postroykoma tresta "Khabarovskstroy" (for Kaplan). 7. Predsedatel' tsekhovogo komiteta otдела glavnogo tekhnologa Yaroslavskogo motornogo zavoda (for Kasatkin).

(Efficiency, Industrial) (Trade Unions)

GALEYEV, A.; YEFIMOV, G., rabkor; SERDYUKOV, N., inzh.; LOBZA, I.  
UL'KIN, P., uchitel' (Novozybkovskiy rayon Bryanskoy obl.);  
PETROV, V., uchitel' (Novozybkovskiy rayon Bryanskoy obl.)  
DEGTYAREV, N.

Letters to the editors. Sov. profsoiuzy 17 no. 2:46-49  
Ja '61. (MIRA 14:2)

1. Predsedatel' promyslovogo komiteta profsoyuza, g.  
Oktyabr'skiy (for Galeyev). 2. Gomel' haye remontno-  
ekspluatatsionnaya baza rechnogo flota (for Serdyukov).  
3. Chlen rabsel'kovskogo soveta gazety "Vpered" Razdel'-  
nyanskogo rayona Odesskoy oblasti (for Degtyarev).  
(Trade unions)





DEGTYAREV, N.A., mayor med. sluzhby

Posttraumatic and postoperative atelectasis. Voen.-med. zhur. no.6:  
35-38 Ja '58. (MIRA 12:7)

(ATELECTASIS

posttraum, & postop., prev. & ther. (R1B))

DEGTYAREV, N.A., mayor meditsinskoy sluzhby, kand.med.nauk

Carotid sinus novocaine block in posttraumatic and postoperative  
pneumonias. Voen.-med.zhur. no.4:21-25 Ap '60. (MIRA 14:1)  
(PNEUMONIA) (LOCAL ANESTHESIA)  
(OPERATIONS, SURGICAL)

DEGTYAREV, N. A., kand. med. nauk (Leningrad)

Nature of the changes in the respiratory organs in acute benzene poisoning. Klin. med. 40 no.7:69-74 J1 '62.

(MIRA 15:7)

1. Iz kafedry terapii dlya usovershenstvovaniya vrachey No. 2  
(nach. - prof. G. A. Smagin) Voenno-meditsinskoy ordena Lenina  
akademii imeni S. M. Kirova.

(BENZENE--TOXICOLOGY)  
(RESPIRATORY ORGANS--DISEASES)

DEGTYAREV, N.A., kand. med. nauk (Leningrad)

Posttraumatic and postoperative atelectasis of the lungs.  
Klin. med. 40 no.12:75-82 D '62. (MIRA 17:2)

1. Iz kafedry terapii dlya usovershenstvovaniya vrachev  
No.2 (nachal'nik - prof. G.A. Smagin) Voenno-meditsinskoy  
ordena Lenina akademii imeni Kirova.

DEGTYAREV, N. A.

"On post-operative and post-trauma pneumonia" - p. 24

Voyenno Meditsinskiy Zhurnal, No. 3, 1962

ANNENKOV, A.V., polkovnik,; VASIL'KOV, F.P., polkovnik,; ~~DEGTYAREV, N.F.~~  
polkovnik,; YEGOROV, G.E., polkovnik,; SAFRONOV, A.A., polkovnik,;  
SOFONOV, S.S., polkovnik,; KHARITONOV, P.N., polkovnik,; SHERSTOBITOV,  
Ye.P., polkovnik,; GORBATYUK, G.M., podpolkovnik,; SARAFANOV,  
I.A., podpolkovnik,; VASILEVSKIY, D.V., general-mayer, otv. red.;  
DUKACHEVA, M.P., polpolkovnik, red.; SOKOLOVA, G.F., tekhn. red.

[Battle operations of a rifle regiment; a collection of war  
experiences] Boevye deistviia strelkovogo polka; sbornik boevykh  
primerov. Moskva, Voen. izd-ve M-va obr. SSSR, 1958. 278 p. 32 maps.  
(MIRA 11:11)

1. Russia (1923- U.S.S.R.) Ministerstvo oborony. 2. Prepodavateli  
TSentral'nykh strelkovo-takticheskikh ordena Lenina Krasnoznamennykh  
ofitserских курсов "Vystrel" imeni Marshala Sovetskogo Soyuza  
B.M. Shaposhnikova i rabotniki Arkhiva Ministerstva Oberony  
Soyuza SSR (for all except Vasilevskiy, Dukacheva, Sokolova).  
(World War, 1939-1945)  
(Infantry drill and tactics)

DEGTYAREV, Nikolay Mikhaylovich, starshiy nauchnyy sotr.; KONDRAT'YEV, Vyacheslav Fedorovich, starshiy nauchnyy sotr.; FILIPENOK, T.G., red.; KUZ'MENKOVA, N.T., tekhn. red.

[New methods of oil production]Novye metody neftedobychi. Groznyi, Checheno-Ingushskoe knizhnoe izd-vo, 1961. 66 p. (MIRA 15:11)

1. Groznenskiy neftyanoy nauchno-issledovatel'skiy institut (for Degtyarev, Kondrat'yev). (Oil fields—Production methods)



DEGTYAREV, N.M.

Results of experimental studies on the displacement of oil with  
high pressure gas. Trudy GrozNII no.10:130-139 '61. (MIRA 15:2)

(Oil fields—Production methods)

DEGTYAREV, N.M.

State and composition of the transition zone in the displacement of  
oil with high pressure gas. Trudy GrozNII no.10:140-145 '61.  
(MIF 15:2)

(Oil fields—Production methods)

ZHELNOV, V.G.; VERSHININ, V.V.; RUBLEV, E.V.; DEOTYAREV, N.P.

Oscillography of millimicrosecond pulses. Izv. tekhn. no. 1:50-  
51 Ja '61. (MIRA 14:1)

(Oscillograph)

DEGTYAREV, N.V., kandidat tekhnicheskikh nauk, dotsent [redaktor]; BARKALOV, B.V.;  
ARKHIPOV, G.V.; PAVLOV, R.V.

[Air conditioning] Konditsionirovanie vozdukh. Pod red. N.V.Degtiareva.  
Moskva, Gos.izd-vo lit-ry po stroitel'stvu i arkhitekture, 1953. 517 p.  
(MLRA 6:7)  
(Air conditioning)

DEGTYAREV, O.M.; PLOTNIKOV, L.M.

Some data on the problem of the origin of magnetite in deposits  
typified by those of the former Nikolayevskiy Works. Zap.Vses.  
min.ob-va 83 no.4:405-406 '54. (MLRA 8:2)  
(Magnetite)

SRIENER, L.A.; SHRAGO, L.K.; DEGTYAREV, J.N.

Coincidence circuits with position contact pickups set in the  
"two from five" code. Art. 1 prib. no. 4835-37 O-D '64  
(MIRA 18:2)

DEGTYAREV, P.

~~SECRET~~  
Closer to industry. Prof.-tekh. obr. 17 no.9:22 S '60.

(MIRA 13:10)

1. Zamestitel' direktora po uchebno-proizvodstvennoy chasti.  
(Klintsy--Vocational education)

MOSHKOV, B.S.; YERMAKOV, Ye.I.; DEGTYAREV, P.A.

Effect of soil moisture on the diurnal rhythms of movement in *Perilla  
ocymoides*. Dokl. AN SSSR 153 no.2:477-480 N '63. (MIRA 16:12)

1. Agrofizicheskiy nauchno-issledovatel'skiy institut, Leningrad.  
Predstavleno akademikom A.I.Kursanovym.



EXCERPTA MEDICA Sec 8 Vol 12/12 Neurology Dec 59

6258. TRANSTHORACIC APPROACH TO THE UPPER THORACIC SYMPATHETIC GANGLIA  
(Russian text) - Degtyarev P. D. and Solomin A. N. - VOPR. NEIROKHIR. 1957, 6  
(43-44)

It is claimed that open thoracotomy with resection of the 3rd and 4th rib gives a better approach and a more ample view in exposure of the thoracic sympathetic chain than any other route. At the end of the intrathoracic procedure the parietal pleura is sutured. Endotracheal anaesthesia was given. Two patients suffering from causalgic pain in whom upper thoracic ganglionectomy had been done in this way have been freed from complaints.  
Heppner - Graz

DECTYAREV, P. T.

DECTYAREV, P.T.

How we first organized an industrial training camp on a collective farm. Politekh. obuch. no.1:82 Ja '58. (MIRA 10:12)

1. Direktor Sakmarskoy sredney shkoly.  
(Collective farms) (Agriculture--Study and teaching)

KRZHIVSKIY, B. [Krivsky, B.]; KLESKEN, I. [Klesken, J.]; NEYMAYYER, V. [Neumajer, V.]; GRADETSKIY, Z. [Hradecky, Z.]; DECTYAREV, P.V. [translator]; PARSHINA, Ye.A. [translator]; PETRENKO, V. Ya., general-leytenant, red.; ARTEMOV, A.P., red.; MUKHANOVA, M.D., tekhn. red.

[Night fighting] Nochnoi boi. Pod red. Petrenko V. IA. Moskva, Voenizdat, 1963. 170 p. Abridged translation from the Czech. (MIRA 16:2)

(Night fighting (Military science))

32994

S/641/61/000/000/021/033  
B108/B102

26.2245

AUTHORS: Kukhtevich, V. I., Sinitsyn, B. I., Degtyarev, S. F.

TITLE: Fast neutron removal cross sections for 3 and 15 Mev

SOURCE: Krupchitskiy, P. A., ed. Neytronnaya fizika; sbornik statey, Moscow, 1961, 278 - 282

TEXT: Results are given of measurements of the removal cross sections of various elements. The method of measurement has been described by the authors (Atomnaya energiya, 11, 565 (1958)). The neutrons with 3 and 15 Mev were obtained from the reactions  $D(d,n)He^3$  and  $T(d,n)He^4$ , respectively. The mean errors in the measurements were 7 and 5%. The great difference in the cross sections at 3 and 15 Mev in the case of light nuclei is explained by the relatively greater scattering anisotropy on light nuclei with increasing energy. There are 2 figures, 2 tables, and 17 references: 2 Soviet and 15 non-Soviet. The four most recent references to English-language publications read as follows: Hughes D. J., Schwartz R. B. Neutron Cross Sections, N. Y., 1958; Nakada M. P. et al. Phys. Rev., 110, 1439 (1958); Cooner J. P., Phys. Rev., 109, 1268 (1958); Anderson J. O.

Card 1/1

Fast neutron removal cross... <sup>32994</sup>  
S/641/61/000/000/021/033  
B108/B102

et al. Phys. Rev., 110, 160 (1958).

Table 1. Cross sections (in barns) for 3-Mev neutrons.  
Legend: (1) element or compound, (2) total, (3) elastic scattering, (4) mean cosines, (5) total transport, (6) microscopic removal, (7) mass removal cross section, (8) least distance from test medium at which thermal neutron detector indicates reduction of neutron intensity. The figures in brackets refer to publications quoted by the authors. ✓

Table 2. Cross sections (in barns) for 15-Mev neutrons.  
Legend: see Table 1. (A) Result obtained by interpolating the differential elastic scattering cross sections of Be and C.

Card 2/12

L 04223-67 EWT(1)/EWT(m) GW

ACC NR: AR6031858 SOURCE CODE: UR/0058/66/000/006/V049/V049

AUTHOR: Gudkova, L. Ya. ; Degtyarev, S. F. ; Kukhtevich, V. I. ; Zolotukhin, V. G. <sup>3/8</sup>

<sup>19</sup>  
TITLE: Scattered-neutrons field at the interface of earth and water with air

SOURCE: Ref. zh. Fizika, Abs. 6V405

REF SOURCE: Byul Inform. tsentra po yadern. dannym, vyp. 2, 1965, 346-382

TOPIC TAGS: scattered neutron field, earth air boundary, water air boundary, neutron flux, neutron dose rate, spatial variable, initial neutron energy

ABSTRACT: The basic characteristics of the scattered-neutrons field at the interface of earth and water with air have been investigated by both calculation and experimental methods. The dependence of flux and dose rate on spatial variables and on initial neutron energy was studied. A modification of the Monte-Carlo method, known as the method of the local calculation of the flux, was used for computation, and it was assumed that earth is a mixture of dry sand  $\text{SiO}_2$  with a density of  $1.7 \text{ g/cm}^3$  and contains 10 wt % water. The case of water was

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L 04223-67

ACC NR: AR6031858

investigated separately. In the method of calculation consideration was given to all the known interaction processes between neutrons and the nuclei of the substance in the energy range of 1 ev—10 Mev. The results are presented in numerous graphs and tables. [Translation of abstract]

SUB CODE: 18, 20/

Card 2/2 *plw*

I 45585-65 EWT(m)/EWA(h) DM

ACCESSION NR: AF5009117

B/0089/65/018/003/0253/0254 q

AUTHOR: Digbyarev, S. P. B

TITLE: Spatial distribution of dose intensity of neutrons scattered in air from a point-like unidirectional source M

SOURCE: Atomnaya energiya, v. 18, no. 3, 1965, 253-254

TOPIC TAGS: dose intensity, neutron scattering, neutron distribution

ABSTRACT: The spatial distribution of the relative dose intensity (the ratio of the dose intensity of the scattered radiation at the given point to the dose intensity of the direct radiation in vacuum at the same point) from point-like unidirectional neutron sources with initial energies 4.2 and 1.9 MeV was measured with a detector located 14.3 m from the source. The relative dose intensity is defined. The orientation angle of the source was varied between 20 and 180°. The neutrons were detected with a biological-dosimeter. The results are shown in Fig. 1 of the Enclosure and exhibit satisfactory agreement with the calculated values given in the reactor

Card 1/82



L 45585-65

ACCESSION NR: AP5009117

handbook. An approximate empirical formula is derived for the dose intensity distribution. Orig. art. has: 1 figure and 2 formulas.

ASSOCIATION: None

SUBMITTED: 24 Jan 64

ENC(1): 01

SUB CODE: NP

NR REF SOV: 001

OTHER: 001

Cards 2/3

L 05064-67 EWT(m)/EWP(t)/ETI JJP(c) JD/JG/JR/GD  
ACC NR: AT6027938

SOURCE CODE: UR/0000/66/000/000/0202/0205

AUTHOR: Degtyarev, S. F.; Kukhtevich, V. I.; Matusovich, Ye. S.; Popov, V. I.

43  
B+1  
21

ORG: None

TITLE: Spectra of air-scattered neutrons from a Po- $\alpha$ -Be source surrounded by iron shielding of various thickness

19

SOURCE: Voprosy fiziki zashchity reaktorov (Problems in physics of reactor shielding); sbornik statey, no. 2. Moscow, Atomizdat, 1966, 202-205

19

TOPIC TAGS: radiation shielding, neutron energy distribution, neutron spectrum, neutron scattering

ABSTRACT: The authors measure the energy distributions of neutrons scattered in the unbounded atmosphere. The distance between source and detector was set at 10 m. A composite Po-Be source with an intensity of approximately  $5 \cdot 10^8$  neutr/sec was used with surrounding iron shielding with wall thicknesses of 5, 10 and 15 cm. A spherical ionization chamber filled with a mixture of 5 atm of argon and 5 atm of hydrogen was used for neutron detection. The measurements were made in the 0.8-3.0 Mev range. The results show unbalanced neutron spectra in iron at low energies (average spectral energy from the Po-Be source is 4.5 Mev). The initial neutron spectrum is softened by scattering in air at the energies studied. The number of scattered neutrons decreases

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L 05064-67

ACC NR: AT6027938

smoothly with respect to the number of unscattered neutrons with an increase in the initial energy from 0.28 at  $E_n = 0.8$  Mev to 0.15 at  $E_n = 3$  Mev. The data in this paper may be used for modeling various descending continuous spectra and for estimating and calculating the background due to neutrons scattered in air. Orig. art. has: 3 figures.

SUB CODE: 18/ SUBM DATE: 12Jan66/ ORIG REF: 003/ OTH REF: 001

L 05380-67 (INT) JRM/CE  
ACC NR: AT6027939

SOURCE CODE: UR/0000/66/000/000/0206/0209

AUTHOR: Degtyarev, S. F.; Kukhtevich, V. I.; Tarasov, V. V.

29  
B+1

ORG: None

TITLE: Experimental study of the propagation of thermal neutrons <sup>19</sup> close to the source in the unbounded atmosphere

SOURCE: Voprosy fiziki zashchity reaktorov (Problems in physics or reactor shielding); sbornik statey, no. 2. Moscow, Atomizdat, 1966, 206-209

TOPIC TAGS: thermal neutron, neutron distribution, fast neutron, neutron scattering

ABSTRACT: The density of thermal neutrons is experimentally studied to provide data for computing capture  $\gamma$ -radiation in air. A Po-Be fast neutron source was used in a paraffin block having walls 20 cm thick. Thermal neutrons are taken as those with an energy below the cadmium threshold  $E < 0.4$  Mev and neutrons with greater energies are called fast neutrons. An <sup>10</sup>B-<sup>3</sup>H-<sup>10</sup>B boron counter was used for measuring the density of thermal neutrons. The source and detector were located at an altitude of 60 m to eliminate the effect of neutrons scattered from the earth. Three quantities were measured directly: 1. the density of neutrons throughout the entire spectrum escaping from the paraffin block; 2. the density of thermal neutrons formed from the fast neutrons; 3. the density of fast neutrons escaping from the source and propagated in the

Card 1/2

103-07

ACC NR: AT6027939

atmosphere. The results show that the fraction of thermal neutrons produced by attenuation in the atmosphere is small in comparison with the thermal neutrons for the given spectrum. A comparison of experimental and theoretical data for thermal neutron distribution shows excellent agreement at a source temperature of 293°K with some discrepancy when the source temperature is increased to 440°K. Experimental error is less than 6-10%. This discrepancy between experimental and theoretical data is not understood and requires further study. Orig. art. has: 2 figures, 1 table, 2 formulas.

SUB CODE: 18/ SUBM DATE: 12Jan66/ ORIG REF: 004/ OTH REF: 001

Card 2/2

*hh*

L 02381-5; (11) JR/GD

ACC NR: AT6027940

SOURCE CODE: UR/0000/66/000/000/0210/0215

AUTHOR: Degtyarev, S. F.; Kukhtevich, V. I.

36  
35  
B+1

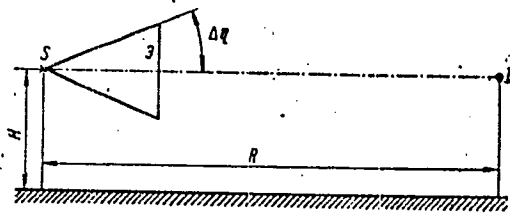
ORG: None

TITLE: Spatial distribution of the dose rate from an isotropic point source of neutrons in the atmosphere and at the air-earth interface

SOURCE: Voprosy fiziki zashchity reaktorov (Problems in physics of reactor shielding); sbornik statey, no. 2. Moscow, Atomizdat, 1966, 210-215

TOPIC TAGS: radiation source, neutron distribution, radiation dosimetry

ABSTRACT: Experimental results are given on the spatial distribution of relative dose rate for neutrons scattered in the unbounded atmosphere and at the air-earth interface from an isotropic point source with average initial spectral energies of 4.2 Mev (Po-Be source) and 1.9 Mev (Po-Be source in an iron sphere with a wall thickness of 6 cm). The experimental setup is shown in the figure where 3 is a conical screen between the source and detector to eliminate the



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L 05381-67

ACC NR: AT6027940

effect of direct radiation. An isodose neutron dosimeter was used for neutron detection. The detector has a noticeable anisotropy and therefore the dose rates were measured at 3 mutually perpendicular positions of the detector and the results were averaged. The angles  $\Delta\eta$  were determined experimentally and were 19, 25, 38, 48 and 58° for the Po-Be source and 10, 17, 23, 34, 44 and 54° for the 1.9 Mev source. The distance R was varied from 9.8 to 30.5 m and the height H was adjustable from 1 to 50 m. It was found that an increase in the height H results in an increase in the relative dose rate up to ~5 m followed by a smooth reduction in dose rate with an increase in height above this point. The dose rate as a function of distance R is approximately linear. The dose rate as a function of distance, height and initial neutron energy when H is held constant is given by the expression

$$D(R, H, \bar{E}_0) = L(H, \bar{E}_0) \cdot R^{2-\eta(H)}$$

for R from 7 to 30 m and H from 2 to 30 m. In this formula

$$\eta(H) = 2 \exp \left[ - \frac{\sqrt{H}}{2 \left( 1 - \frac{H-2}{H^{1.55}} \right)} \right] + 1.$$

$$L(H, \bar{E}_0) = \frac{6}{H\sqrt{\bar{\lambda}}}$$

where  $\bar{\lambda}$  is the mean free path of the neutrons in air for the given spectrum. A table

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ACC NR: AT6027940

comparing experimental data for the dose rate with the results of this expression shows excellent agreement. The simple expression

$$D(R, \bar{E}_0) = 0,19 \cdot \frac{R}{\sqrt{\bar{k}}}$$

may be used for practical calculations of the relative dose rate for initial neutron energies of less than 6 Mev. In conclusion the authors thank V. V. Tarasov, Yu. V. Fadeyev and Ye. T. Bondaray for assistance with the work. Orig. art. has: 4 figures, 1 table, 8 formulas.

SUB CODE: 18/ SUBM DATE: 12Jan66/ ORIG REF:002/ OTH REF: 007

Card 3/3 *plh*



ACC NR: AP7000798 (A,N) SOURCE CODE: UR/0089/66/021/005/0392/0394

AUTHOR: Degtyarev, S. F.; Kukhtevich, V. I.; Suvorov, A. P.; Tarasov, V. V.; Tikhonov, V. K.; Tsypin, S. G.

ORG: none

TITLE: Angular distributions of fast neutrons emerging from hydrogen-containing media

SOURCE: Atomnaya energiya, v. 21, no. 5, 1966, 392-394

TOPIC TAGS: fast neutron, neutron distribution, lithium compound, water, neutron radiation, radiation intensity, neutron shielding, *neutron detector*

ABSTRACT: The authors report results of experiments on the angular distributions of the flux (dose intensity) of fast neutrons with energy  $E \geq 0.7$  Mev, emerging from plates of lithium hydride of  $0.5 \text{ g/cm}^3$  density and 15, 30, 45, and 60 cm thick, and from layers of water 15 and 45 cm thick. The radiation source was a collimated beam of neutrons (plane unidirectional source). The neutron spectrum was similar to that of the BSR reactor. The measurements were made for angles  $0 - 55^\circ$ . The neutrons were registered with a fast-neutron scintillation detector consisting of a Plexiglas tablet with  $\text{ZnS(Ag)}$  admixture, secured to the end window of a photomultiplier (FEU-59). The results show that for angles larger than  $10^\circ$  a change in the plate thickness has little effect on the form of the angular distribution. At angles  $0 - 10^\circ$ , the neutron flux exhibits a pronounced peak due essentially to unscattered neutrons. With increasing thickness of lithium-hydride plates, the height and width of this

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UDC: 539.125.5: 539.121.72

ACC NR: AF/000798

peak decrease, owing to the increase in the fraction of scattered neutrons. The results for lithium agree satisfactorily with results of many-group calculations by the authors (Voprosy fiziki zashchity reaktorov [Problems in the Physics of Reactor Shielding], edited by D. L. Broder et al., no. 2, M., Atomizdat, 1966, p. 18). The results for lithium and water are likewise in good agreement with similar measurements by others. The results also show that there is little difference in the data for lithium hydride, polyethylene, and water, the results agreeing within 20% at angles 20 - 60°, and by not more than 30% at smaller or larger angles. The authors used results of individual measurements by L. A. Trykov and I. V. Goryachev. Orig. art. has: 5 figures and 2 formulas.

SUB CODE: 2018/      SUBM DATE: 05Jul66/      ORIG REF: 002/      OTH REF: 003

Card 2/2

ACC NR: AP7000799

(A, U)

SOURCE CODE: UR/0089/66/021/005/000A/0395

AUTHOR: Bozin, G. M.; Degtyarev, S. F.; Kukhtevich, V. I.; Sinitsyn, B. I.; Tikhonov, V. K.; Staroverov, V. B.; Tsybin, S. G.

ORG: none

TITLE: Passage of fast neutrons through thick layers of lithium hydride

SOURCE: Atomnaya energiya, v. 21, no. 5, 1966, 394-395

TOPIC TAGS: fast neutron, neutron radiation, radiation intensity, lithium compound, neutron shielding, neutron distribution

ABSTRACT: The authors investigated experimentally the attenuation of the flux (dose intensity) of fast neutrons in lithium hydride of density  $0.5 \text{ g/cm}^3$ . The unidirectional neutron source employed and its spectrum are described in a preceding paper in the same source (p. 392, Acc. Nr. AP7000798). The shield tested was made up of blocks of lithium hydride with channels for the detector. The empty channels were sealed during the measurements with stoppers made of the same material. The transverse dimensions of the shielding blocks were chosen such that the detector plates inside the shield was under conditions of so-called infinite geometry. To determine the accumulation factor in the lithium hydride, measurements were made of the neutron attenuation in good geometry under careful collimation of the source and detector. The fast-neutron flux was registered with a scintillation counter with a tablet of  $\text{ZnS(Ag)}$  mixed with Plexiglas. Plots for the attenuation of neutrons with energy

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ACC NR: AP7000799

$E > 0.7$  Mev as functions of the thickness, and of the accumulation factor of the fast neutrons as functions of the thickness are presented and found to agree satisfactorily with calculations based on formulas derived for conditions of broad geometry. Orig. art. has: 2 figures and 2 formulas.

SUB CODE: 2018/      SUBM DATE: 05Jul66/      ORIG REF: 003

Card 2/2

ACC NR: AP7000800

(A,N)

SOURCE CODE: UR/0089/66/021/005/0395/0397

AUTHOR: Degtvarov, S. F.; Kikhtevich, V. I.; Tikhonov, V. K.; Tsypin, S. G.

ORG: none

TITLE: Dependence of the accumulation factor of fast neutrons on the relative arrangement of the shield and detector

SOURCE: Atomnaya energiya, v. 21, no. 5, 1966, 395-397

TOPIC TAGS: fast neutron, neutron radiation, radiation intensity, lithium compound, neutron shielding, neutron distribution, *neutron detector*

ABSTRACT: The authors present results of an experimental and theoretical investigation of the dependence of the flux of fast neutrons with energy  $E \geq 0.7$  Mev on the distance R for a constant distance between the source and the shield. The shielding barriers used were plates of lithium hydride 45 and 60 cm thick and of density 0.5 g/cm<sup>3</sup>. The transverse dimensions of the plates were chosen such that the detector placed inside the shield or on its surface was under conditions of so-called infinite geometry. The neutron flux was registered by scintillation counters of ZnS(Ag) powder pressed in Plexiglas. The quantities measured directly were the fast-neutron flux on the surface of the shield and the flux at a distance R from the shield. The background was determined by suppressing the primary effect with the aid of an additional shield. In the reduction of the data use was made of earlier investigations by the authors, reported in the same source (p. 392, Acc. Nr. AP7000798) of the

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UDC: 539.125.52: 539.121.72

ACC NR: AP7000800

angular distribution of neutrons. The experimental values obtained for the build up factor as a function of the distance from the shield to the detector are found to be in agreement with formulas derived on the basis of numerous published theoretical papers. The results show that, with increasing distance from the shield, the fraction of the scattered radiation in the total neutron flux decreases, and the fraction of the unscattered radiation increases. Orig. art. has: 4 figures and 7 formulas.

SUB CODE: 2018/ SUBM DATE: 05Jul66/ ORIG REF: 005/ OTH REF: 001

Card 2/2

DEGTAREV, S. N. and TRAKHTENGERTS, M. B.

Snegovye voenno-avtomobil'nye dorogi. [Military automobile snow-roads]. Moskva, Voenizdat, 1942.

SO: Soviet Transportation and Communication. A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

DEGTYAREV, S.S., kapitan meditsinskoy sluzhby; SAKOVICH, O.S., kapitan  
meditsinskoy sluzhby

Using insecticide pots for local control of mosquitoes. Voen.-med.  
zhar. no.7:65-68 J1 '56. (MLRA 9:12)  
(INSECTICIDES) (MOSQUITOES--EXTERMINATION)



DEGTYAREV, S.S., dotsent

Elementary skills in scientific methodological work acquired by students during pedagogical practice. Uch. zap. Sar. gos. pedagog. inst. no.28:298-303 '57. (MIRA 11:7)  
(Teachers, Training of) (Geography--Study and teaching)

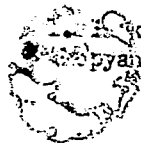
DEGTYAREV, S.S., aspirant

Comparative evaluation of data on perturbation and hysterosalpinography  
in determination of the anatomical and functional state of the uterus  
and tubes. Akush. i gin. no.1:8-13 '63. (MIRA 17:6)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. YE.S. Akopyan)  
Kubanskogo meditsinskogo instituta.

DEGTYAROV, Ye. S., aspirant.

Comparative evaluation of some methods for the examination of the  
ovarian function in sterile women. Akush. i gin. 39 no.3:105-110  
My-Je'63 (MIRA 17:2)



Кафедры акушерства и гинекологии (зав. -- проф. Ye. S.  
Дегтяров) Кубанского медицинского института.

DEGTYAREV, V.

Dispatcher handbook for the determination of trip mileage.  
Avt. transp. 41 no.9:10-11 S '63. (MIRA 16:10)

1. Irkutskiy oblastnoy avtotransportnyy trest.

DEGTYAREV, V.

With water-transportation workers on the Irtysh River. NTO no.8:31  
Ag '59. (MIRA 12:11)

1. Uchenyy sekretar' Irtyshskogo basseynovogo pravleniya Nauchno-  
technicheskogo vodnogo transporta.  
(Irtysh River--Inland water transportation)

DEGTYAREV, V.

AUTHOR: Degtyarev, V., Stavropol' Kvay

107-9-24/53

TITLE: The Prolongation of the Service Life of the Elements Contained in the "TT-1" Instrument (Prodleniye sroka sluzhby elementov v pribore "TT-1")

PERIODICAL: Radio, # 9, p 34 (USSR)

ABSTRACT: During the operation of the "TT-1" instrument, the ohm-meter elements gradually go out of service, above all the element utilized for measuring resistances on the "lxl" scale. Then, the needle of the instrument cannot be adjusted to the zero-division of the scale.

This deficiency can be eliminated by interchanging the element working on the "lxl" scale, situated at the upper left corner, with any other element.

AVAILABLE: Library of Congress

Card 1/1

DEGTYAREV, V.

Stabilizing the banks of the Tur River. Rech. transp. 19 no.12:31-  
33 D '60. (MIRA 13:12)

1. Nachal'nik sluzhby puti Irtyskogo basseynogo upravleniya  
parokhodstva.

(Tur River--Hydraulic engineering)

SEDYKH, A.; MYASNIKOV, M.; DEGTYAREV, V.

Using brigades in maintaining navigation installations in the  
Irtysh Basin. Rech. transp. 19 no.4:40-42 Ap '60. (MIRA 14:3)

1. Nachal'nik Irtyshskogo basseynovogo upravleniya puti (for Sedykh).
  2. Glavnyy inzh. Irtyshskogo basseynovogo upravleniya puti (for Myasnikov).
  3. Nachal'nik sluzhby Irtyshskogo basseynovogo upravleniya puti (for Degtyarev).
- (Irtysh Valley--Signals and signaling)



DEGTYAREV, V.

On the motorship "Mekhanik Kalashnikov." NTO 4 no.1:28 Ja '62.  
(MIRA 15:1)

1. Uchenyy sekretar' Irtyshskogo basseynovogo pravleniya nauchno-  
tekhnicheskogo obshchestva vodnogo transporta.  
(Motorships)

DEGTYAREV, V., kapitan, propagandist

Good preparations ensure the successful work of study groups.  
Komm.Vooruzh.Sil 3 no.22:71-74 N '62. (MIRA 15:12)  
(Russia--Air Force--Education, Nonmilitary)

DEGTYAREV, V. dotsent; MYASNIKOV, M.

Deposition of dams under the protection of temporary longitudinal structures. Rech. transp. 22 no.8:40-41 Ag '63. (MIRA 16:10)

1. Novosibirskiy institut inzhenerov vodnogo transporta (for Degtyarev). 2. Glavnyy insh. Irtyshskogo basseynovogo upravleniya puti (for Myasnikov).  
(Dams)

DEGTYAREV, V., dotsent

A shining example of Russian hydrotechnical skill. Rech. transp. 23  
no. 11:49 N 164. (MIRA 18:3)

1. Novosibirskiy institut inzhenerov vodnogo trnasporta.

DEPTYAREV, V., kand. tekhn. nauk; ZHDANOV, Yu., inzh.

Bank reinforcements of the Siberian rivers and the causes of their destruction. Rech. transp. 24 no.6:35-37 '65.

(SIBIA 18:6)

1. Novosibirskiy institut inzhenerov vodnogo transport (for Deptyarev). 2. Novosibirskiy filial TSNIIS (for Zhdanov).

DEGTYAREV, V., dotsent; MYASNIKOV, M.

Construction of the breakwater of a river harbor of refuge.  
Rech. transp. 24 no.11:39-40 '65. (MIRA 19:1)

1. Novosibirskiy institut inzhenerov vodnogo transporta (for Degtyarev). 2. Glavnyy inzh. Irtyshskogo basseynovogo upravleniya puti (for Myasnikov).

DEGTYAREV, Viktor Andreyevich; DRONOVA, Natal'ya Fedorovna;  
ZHOTKEVICH, Tat'yana Sergeevna; ZELENETSKAYA, L.V., red.;  
SAYTANIDI, L.D., tekhn. red.

[Using multiple purpose hydraulic systems with separate units  
and mounted devices] Kak pol'zovat'sia universal'nymi razdel'no-  
agregatnymi gidravlichesкими sistemami i navesnymi ustroistvami.  
Moskva, Izd-vo M-va sel'.khoz. RSFSR, 1961. 142 p.

(MIRA 15:4)

(Oil hydraulic machinery)  
(Agricultural machinery)

DEGTYAREV, V.A.; SISOYUKIN, Yu.M.; KOSOROTOV, B.V., red.

[Repair and adjustment of the hydraulic systems of tractors] Remont i regulirovka traktornykh gidrosistem  
Moskva, Kolos, 1964. 125 p. (MIRA 18:8)

1. Vserossiyskiy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva (for Degtyarev, Sisyukin).



VOLYNKIN, Yu.M.; YAZDOVSKIY, V.I.; GENIN, A.M.; VASIL'YEV, P.V.;  
GYURDZHIAN, A.A.; GUROVSKIY, N.N.; GORBOV, F.D.; SERYAFIN,  
A.D.; BELAY, V.Ye.; BAYEVSKIY, R.M.; ALTUKHOV, G.V.;  
KOPANEV, V.I.; KAS'YAN, I.I.; YEGOROV, A.D.; SIL'VESTROV,  
M.M.; SIMPURA, S.F.; TEREENT'YEV, V.G.; KRYLOV, Yu.V.; FOMIN,  
A.G.; USHAKOV, A.S.; DEGTYAREV, V.A.; VOLOVICH, V.G.;  
STEPANTSOV, V.I.; MYASHIKOV, V.I.; YAZDOVSKIY, V.I.; KASHIN,  
P.S., tekhn. red.

[First space flights of man; the scientific results of the  
medicobiological research conducted during the orbital  
flights of the spaceships "Vostok" and "Vostok-2"]Pervye  
kosmicheskie polety cheloveka; nauchny rezul'taty mediko-  
biologicheskikh issledovaniy, provedennykh vo vremya orbi-  
tal'nykh poletov korablei-sputnikov "Vostok" i "Vostok-2."  
Moskva, Izd-vo Akad. nauk SSSR, 1962. 202 p. (MIRA 15:11)  
(SPACE MEDICINE) (SPACE FLIGHT TRAINING)

DEGTYAREV, V.A., gornyy inzh.; ROVINSKIY, M.I., kand. tekhn. nauk

Investigating mounted rippers in phosphorus deposits. Gor. zhur.  
no.5:15-17 My '65. (MIRA 18:5)

1. Gosudarstvennyy komitet khimicheskoy promyshlennosti pri Gosplane  
SSR (for Degtyarev). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut  
stroitel'nogo i dorozhnogo mashinostroyeniya, Moskva (for Rovinskiy).

DEGTYAREV, V.A.

Recording an oxyhemogram on the oscillograph as an objective  
method of determining the blood flow time. Pat. fiziol. i eksp.  
terap. 9 no.2:79-81 Mr-Ap '65. (MIRA 18:5)

DEGTYAREV, V.D., inzh.

Optimum dimension of the open grate area for the passage of air  
and gasses in the regenerative rotating air preheater. Teploenergetika  
9 no.11:45-47 N '62. (MIRA 15:10)

1. Barnaul'skiy kotel'nyy zavod.  
(Boilers--Air preheating)