

GLIKMAN, L.A., doktor tekhn.nauk, prof.; KOLGATIN, N.N., inzh.; TEODOROVICH, V.P., kand.khimicheskikh rauk; DERYABINA, V.I., inzh.

Changes in the mechanical properties of certain steels under the effect of hydrogen at high temperatures and pressures. Metallovedenie 3:58-73 '59. (MIRA 14:3) (Steel—Hydrogen content) (Metals at high temperature)

3/-37/6-/000/007/068/072 A060/A101

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Glikman, L. A.: Teodorovich, V. F., Kolgavin, N. N., Deryabina, AUTHORS:

٧. ٦.

Mechanical properties at room temperature of Armso from and certain TITLE

greels hydrogenated at high temperatures

PERIODIJAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1961, 6, abstract 7133

(In the collection: Khimiya sera- i azotorgan soedinenty,

soderzhashenykhsya v neftyakh i nefteproduktakh". v. 3, Ufa, 1960,

43:-438)

The influence of hydrogen was investigated upon Armoo iron with composition (in %): 0.03, Si 0.19, Mn 0.25; Si 20 at 400 and 450°0 - 0.23, Si 0.34, Mn 0.47, Ir 0.15, Ni 0.15 and on alloy steels Xi2BM (Kni2VMF) - 0.0.17, Si 0.22, Mn 0.64, Ir 13.5, 7 0.2, W 0.86, Mo 0.46; IX SHOT (IKni8N9F) - 0.0.12, Si 0.27, Mn 1.65, 0.77, M Si 0.74, Mn 1.15, Or 17.25, Ni 10.35, Ti 0.45 and 45[18] (45318) - 0 0.45, Si 0.53, Mn 17.8, Ac 3.17. Besides, 6 pc or steel with additional traces of V, W. Mo and No (X6BMOD [Kn6VMFB]) was investigated. Almost in all H saturated specimens of Armso iron and St.20 the 6 (flow surface is absent at tension.

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26051 5/_37/61/000/007/068/072

Mechanical properties at room temperature ...

Subsequent normalizing restores the flow surface. $\theta_{\rm D}$ for St. 20 is reduced by half as result of the hydrogen action, and dustility is almost completely absent. As result of the neat aftertreatment, $\theta_{\rm D}$, $\theta_{\rm C}$, $\theta_{\rm C}$ are increased but their values remain below the original values. After the hydrogen saturation $\theta_{\rm C}$ is greatly lowered. The crushing of hydrogen saturated Armoo from and St. 20 occurs with manifestation of a brittleness effect at the grain coundaries without noticeable traces of plastic deformation. Steel 45018Yu_is particularly subject to hydrogen crushing: $\theta_{\rm D}$ decreases from 88.8 to 45 kg/cm, $\theta_{\rm S}$ - from 65.0 to 38.0 kg/cm², $\theta_{\rm C}$ - from 39.2 to 7.2%, Ψ - from 62.0 to 9.0%, and $\theta_{\rm C}$ - from 12.9 to 2.2 kg-m/cm². The strength properties of 6 pc in steel, Kn.25MF and iKn18N9T decrease slightly but the dustility properties decrease noticeably.

T. Fumyantzeva

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[Abstracter's note: Complete translation]

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Card 2/2

GLIKMAN, L.A.; TEODOROVICH, V.P.; KOLGATIN, N.N.; DERYABINA, V.I.

long-duration strength of some steels in the testing of tubular specimens under internal pressure of hydrogen at high temperatures. Khim.sera-i azotorg.seed.sod.v neft.i nefteprod. 3:439-450 .160.

(MIRA 14:5)

l. Vsesoyuznyy nauchno-issledovatel skiy institut neftekhimicheskikh protsessov.

(Steel--Testing) (Hydrogen)

SHAPIRO, I.I.; GYOZDEVA, A.N.; DERYABINA, Y.I.; KOZLOVA, V.I.; MATOVA, A.D.; PEROVA, A.S.; KHROHÖV, Yu.N.; TISHIN, S.D., kand.tekhn.nauk, red.; DOERITSYNA, R.I., tekhn.red.

[General norms of cutting conditions and time used in the machinery industry for technical standardization of preparatory operations; cutting of metal with disk saws, presses and shaped-stock shears] Coshchemashinostroitel nye normativy reshimov rezamina i vremeni dlia tekhnicheskogo normirovenila zagotovitel nyeh rabet; reska metalla na diskovykh pilakh, pressakh i sortovykh noshnitsakh. Moskva, Mashgis, 1961. 75 p. (MIRA 14:12)

1. Moscow. TSentral nove byuno promyshlennykh normativov po trudu.
2. Zaveduvushchiy otdelom mashinostroyeniya TSentral nege byuro myshlennykh normativov po trudu pri Nauchno-issledovatel skom institute truda (for Shapiro). 3. TSentral neve byuro promyshlennykh normativov po trudu pri Nauchno-issledovatel skom institute truda (for all, expept Tishin, Dobritsyna). (Gutting machines)

KOLGATIN, N.N.; VANSHENKER, V.R.; TEODOROVICH, V.P.; DERYABINA, V.I.

Device for recording stress-deformation for attachment to the P-5 universal machine. Zav.lab. 27 no.5:616-617 161.

(MIRA 14:5)

1. Vse:soyuznyy nauchno-issledovatel skiy institut neftekhimicheskikh protessov.

(Testing machines)

DERYABINA, V.I., inzh., MOROZOV, D.A., TSAKITSFEKO, N.I., STROCHILIN, F.A., VOLESKIY, V.S., inzh., VLADIFILKOVA, L.A., tekhn. red.

[General time norms used in the machinery industry for technical standardization of free hammer forging processes; small lot and piece production] Obshchemashinostroitel nye normativy vremeni dlia tekhnicheskogo normirovaniia rabot po svobodnoi kovke pod molotami; melkoseriinoe i edinichnoe proizvodstvo. Moskva, Mashgiz, 1962.

107 p. (MIRA 15:7)

1. Moscow. TSentral'noye byuro promyshlennykh normativov po trudu. 2. Vsesoyuznyy proyektno-tekhnologicheskiy institut tyazhelogo mashinostroyeniya (for Deryabina, Morozov, TSaritsenko, Strochilin, Vol'skiy). 3. Nachal'nik otdela tekhnicheskikh normativov po trudu Nauchno-issledovatel'skogo instituta truda (for Vol'skiy).

(Forging—Production standards)

S/184/62/000/003/001/004 D040/D113

18. P300

Deryabina, V.I., Engineer; Kolgatin, N.N., Candidate of Technical Sciences; and Teodorovich, V.P., Candidate of Chemical Sciences

TITLE:

AUTHORS:

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The effect of hydrogen on the long-term strength of steel tubes

PERIODICAL: Khimicheskoye mashinostroyeniye, no.3, 1962, 22-26

Heated tubular specimens of iron and 10 steel grades were tested for 1,000 and 10,000 hrs under a 47-780 kgf/cm² stress produced by hydrogen pumped into specimens at different pressure. Tests were conducted in view of hydrogen embrittlement of chemical and petroleum-processing equipment and insufficient data on the combined effect of stresses and hydrogen. The test results are illustrated and described. The long-term strength dropped 70-85% in iron and illustrated and 450°C, 30-60% at 600°C in 30 XMA(30KhMA), 12 XMO (12KhMF), HM1 (NM1), X3BMO (Kh3VNF) and X6BMOE(Kh6VNFB) medium-alloy steels, but much less in X12BMO (Kh12VMF), 1 \Gamma 18X8T (1G18Kh6T) and 1 X18H9T (1Kh18N9T) high-alloy steels. The detrimental effect of hydrogen on all the studied steels

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The effect of hydrogen ...

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S/184/62/000/003/001/004 D040/D113

increased as the test time increased. The fracture was intercrystalline and brittle when the strength was strongly affected by inner hydrogen pressure; gradual "loosening" of the grain boundaries was visible under a microscope. Tests with nitrogen resulted in stretched metal grains and intercrystalline cracks. The Khl2VMF, 1G18Kh8T and 1Kh18N9T steels had intercrystalline fractures and micro- and macroscopic deformation in tests with both hydrogen and nitrogen. It is expected that the effect on these steels will be greater during longer tests. There are 10 figures and 3 tables.

Card 2/2

ACCESSION NR: AT4007033

8/2598/63/000/010/0116/0130

AUTHOR: Glikman, L.A.; Deryabina, V.I.; Kolgatin, N.N.; By*tenskiy, I.A.; Teodorovich, V.P.; Teplov, N.S.

TITLE: Effect of gas-saturated layer on the strength and ductility characteristics of titanium alloys

SOURCE: AN SSSR. Institut metallurgii. Titan i yego splavy*, no. 10, 1963. Issledovaniya titanovy*kh splavov, 116-130

TOPIC TAGS: titanium alloy strength, titanium alloy ductility, VT-14 titanium alloy, VT-3-1 titanium alloy, VT-8 titanium alloy, gas saturated layer, titanium alloy

ABSTRACT: Contamination of titanium by air and its effect on strength and ductility was investigated following exposure of five alloys: VT-14 (Ti-Al-Mo-V), VT-3-1 (Ti-Al-Mo-Cr), VT-8 (Ti-Al-Mo) and Experimental Alloy No. 1 (4.95 Al, 2.18 V, 3.50 Sn, balance Ti), at 800-1100C for 0.5 to 4 hours. Microscopic examination showed that in air, above an O₂ concentration of 5%, oxygen diffuses into Ti and a superficial alpha-Ti phase forms which is characterized by increased hardness and reduced ductility. The strength of the specimens, however, was

ACCESSION NR: AT4007033

markedly reduced. Thus, at 1100C, yield point and strength decreased 40-60%, notch toughness decreased 70-80%, and ductility dropped to zero in about 4 hours. At 800C, on the other hand, there was little change. All alloy specimens investigated exhibited high notch sensitivity in both static and dynamic tests, especially those saturated at 800C. The original mechanical properties could be restored by removal of the gas-contaminated surfaces. Original tests.

ASSOCIATION: Institut metallurgii AN SSSR (Metallurgical Institute AN SSSR)

SUBMITTED: 00

DATE ACQ: 27Dec63.

ENCL: 00

SUB CODE: MM

NO REF SOV: 003

OTHER: 001

Card 2/2

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MOROZ, L.S.; KOLGATIN, N.N.; TEODOROVICH, V.P.; DERYABINA, V.I.

Effect of hydrogen on the mechanical properties of nickel and copper. Fiz. met. i metallowed. 16 no.5:737-742 N 163. (MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel skiy institut neftekhimiches-kikh protsessov.

TEODOPOVICH, V.P.; KOLGATIN, N.N.; DERYABINA, V.I.

Results of an examination of the metal parts of a catalytic reforming apparatus. Mash. i neft. obor. no.3:15-20 '64. (MIRA 17:5)

1. Vsesoyuznyy nauchmo-issledovatel¹skiy institut neftekhimicheskikh protsessov.

EWT(m)/EWP(w)/EPP(d)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b)/EWA(h) L 62946-65 MJW/JD UR/0137/65/000/007/I061/I061 ACCESSION NR: AE5019145 SOURCE: Ref. zh. Metallurgiya, Abs. 71394 AUTHOR: Deryabina, V. I.; Kolgatin, N. N.; Teodorovich, V. P. The state of the s TITLE: Investigation of the hydrogen resistance of 15Kh2MF and 12Kh2MFT steels CITED SOURCE: Mashiny neft. oborud. nauchno-tekhn. sb., no. 4, 1965, 12-14 TOPIC TAGS: steel, hydrogenation, nitrogenation, corrosion resistant steel solid mechanical property/15Kh2MF steel, 12Kh2MFT steel TRANSLATION: Samples of 12Kh2MF and 12KhMFT steels were held in autoclaves under hydrogen pressure of 200 and 500 kg/cm2 at 300 and 450C for 1000, 3000, and 10,000 hours. The samples were tested at room temperature in the hydrogenated state, and after preliminary heating at 600C in a vacuum. After holding in hydrogen sigmab and sigmas of the steels were not lowered; delta and phi were decreased respectively by 5-15 and 15-30%, ak by 5-15%. Sigmalength of the metal in solid and welded samples (automatic welding) was practically iden-

	L 62946-65 ACCESSION NR! AR5019145 tical. Failure in nitrogen and hydrogen takes place along the grains. Steels 12Kh2MF and 12Kh2MFT are recommended for hydrogenation columns and other equipment operating in hydrogen containing media at high temperatures and	
	pressures 1. Tulupova	
	SUB CODE: MM ENCL: 00	
:	Card 2/2	-

	L 43304-55 ENT(d)/ENT(m)/EFF(d)/EMP(w)/EPR/EMA(d)/EMP(v)/I/EMP(t)/EMP(k)/EMP(k)/EMP(h)/EMP(1)/EMA(c) Fc-4/Pr-4/Ps-4 IJF(c) II/PM/MB/PM
1	ACCESSION NR: AP5012503 UR/0032/65/031/005/0612/0613
	AUTHOR: Glikman, L. A.; Deryabina, V. I.; Kolgatin, N. N.; Teodorovich, V. P.
	TITLE: Testing for tensile strength in hydrogen and other corrosive media at high temperatures and high pressures SOURCE: Zavodskaya laboratoriya, v. 31, no. 5, 1965, 612-613
	TOPIC TAGS: tensile strength testing device, corrosive medium, hydrogen, high temperature, high pressure
新疆·斯特·阿里特·阿里特·阿里特·阿里特·阿里特·阿里特·阿里特·阿里特·阿里特·阿里	ABSTRACT: The design and operating characteristics are given for an apparatus for testing the tensile strength of metals in hydrogen or other corrosive media at high pressures (up to 300 kg/cm²) and temperatures up to 7000. The proposed apparatus (see Fig. 1 of the Enclosure) consists of a vessel (3) in an electrically heated oven (4) and a valve (5) for the introduction of the corrosive gas. One end of the reactor is sealed with a cone(7), a nut (6), and a ball joint (8); the other end is connected to a conventional device for neasuring tensile strength (P-5, IM-8P, or others) through a water-cooled polyfluoroethylene gasket (9). Two rods (2) are provided to hold the specimen (1) in the reactor. The temperature of the specimen is measured with thermocouples. Orig. art. has: 1 figure.
	Cord 1/3

L 48304-65				
ACCESSION HR: AP5012503 ASSOCIATION: Vsesoyuznyy nauc Processov (All-Union Scientifi	mo-issledov c Research I	atel'skiy in	stitut neftekhi Petrochemical F	micheskikh
SUBMITTED: 00	ENCL:		SUB CODE:	1.
NO REF SOV: 005	OTHER:	002	ATD PRESS	: 3254
Cord 2/3				

ACC NRI AP7001232

(N)

SOURCE CODE: UR/0314/66/000/012/0021/0026

AUTHOR: Teodorovich, V. P. (Candidate of chemical sciences); Kolgatin, N. N. (Candidate of technical sciences); Deryabina, V. I. (Engineer)

ORG: none

TITLE: The effect of hydrogen on the mechanical porperties of metals at high temperature and pressure

SOURCE: Knimicheskoye i neftyanoye mashinostroyeniye, no. 12, 1966, 21-26

TOPIC TACS: manual hydrogenation, steel, iron, nickel, copper, aluminum, low alloy steel, chromium stainless steel, chromium mickel stainless steel, chromium mickel

ABSTRACT: Specimens of 20, 12Kh2MFT, 15Kh2MF, Kh3VMF, Kh6VMFB, Kh12VMF, Kh18N9, 1G18Kh8T, 45G18Yu3, 35G12Kh8T, 4Kh12N8GMFB steel, commerical-grade iron, nickel, copper and aluminum have been tested for the effect of hydroden on their mechanical properties. It was found that at 400-450C, hydrogen decreases the strength and ductility of 20 steel and iron, particularly during the first 60 hr. Annealing partially restores the ductility. Hydrogen at 500C and 50 kg/cm² pressure in 1000 hr caused decarburization, lossened grain boundaries and decreased the yield and tensile strengths by 32%, the elongation by 54%, the reduction of area by 72%, and the notch toughness by 92%.

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UDC: 669.1.002.612:546.11

ACC NR: AP7001232

There was no decarburization at 400 or 350C, and subsequently vacuum annealing completely restored the mechanical properties, with the exception of notch toughness. 15Kh2MF and 12Kh2MFT steels tested under 500 kg/cm2 pressure at 300 and 450C for 1000, 3000 and 10,000 hr did not show any changes in their structure or mechanical properties. The amount of hydrogen absorbed by these steels did not exceed . $12 \text{ cm}^2/100 \text{ g}$. The other steels, on the basis of results obtained by tests at 600C under 700 kg/cm2 pressure, can be divided into two groups. The first group includes Kh12VMF, 1G18Kh8T and Kh6VMFB steels in which hydrogen caused a decrease of mechanical properties, particularly of elongation and notch toughness. However, vacuum annealing at 600C completely restored the mechanical properties to the original level. The second group of alloy steels included 35Gl2Kh8T and 45Gl8Yu3 austenitic steels, and Kh3VMF perlitic steel, whose mechanical properties are reduced by hydrogen and are not restored by vacuum annealing. It is believed that this is caused by the action of methene formed by the reaction of absorbed hydrogen with carbon. The mechanical properties of nickel and copper, which were exposed to hydrogen at 700 kg/cm² pressure and at 600C for 100 and 250 hr, dropped and their structure was effected by loosening of the grain boundaries. Aluminum properties and structure were not affected by exposures up to 250 hr to hydrogen under 700 kg/cm2 pressure at 300C. Orig. art. has: 8 figures and 4 tables. [TD]

SUB CODE: 11/ SUBM DATE none/ ORIG REF: 001/ ATD PRESS: 5110

Card 2/2

DERYABINA, V.L.

Qualitative index of the activity of the anatomicopathological section. Sovet.zdravookhr. no.2:43-49 Mr-Ap '50. (CLML 19:2)

1. Of the Department of Public Health Organization (Head -- N.A.Vi-nogradov) Central Institute for the Advanced Training of Physicians (Director -- V.P.Lebedeva).

ASTAP'YEVA, T.M.; DERYABINA, V.L.

Unification of hospitals and polyclinics and dispensary services for the population. Sovet. sdravookhr. 11 no.1:15-25 Jan-Feb 52. (CIML 21:4)

1. Of the Institute of Public Health Organization and History of Medicine of the Academy of Medical Sciences USSR.

DERYALINA, V. L.

DERYABINA, V. L. - "Development and Organization of Pathologic-Anatomical Services in Cities of the USSR." Sub 6 Jan 53, Central Inst for the Advanced Training of Physicians. (Dissertation for the Degree of Candidate in Medical Sciences).

SO: Vechernaya Moskva January-December 1952

DARYABINA, V.L.

Scientific conference of young research workers. Vest.AMN SSSR no.3:44-46 '53. (MLRA 7:1) (Medicine)

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00031022

"Gertain methods of introducing I.P.Pavlov's theories into practical medicine." L.S.Gambarian, V.I.Sazontov. Reviewed by V.L.Deriabina.

(MLRA 7:4)

Sov.zdrav. 13 no.2:56-57 Mr-Ap '54.

(Hospitals) (Gambarian, L.S.) (Sazontov, V.I.)

USSR/Medicine - Scientific session

FD-2191

Card 1/1

Pub 102-11/15

Author

Deryabina, V. L., Aleksandrov, O. A., and Biryukov, R. N.

Title

Scientific session of the Institute for Organization of Public Health and History of Medicine imeni N. A. Semashko, Academy of Medical Sciences USSR

Periodical: Sov. zdrav., 3, 53-57, May-June 1955

Abstract

Second scientific session of the Institute was held on January 27-Febmary 5, 1955. Minister of Health USSR, M. D. Kovrigina, Minister of Health RSFSR, S. V. Kurashov, and other high ranking personnel of various ministries and Academy of Medical Sciences USSR took part in the proceedings. Minister of Health of the Rumanian People's Republic, Marinescu, was also present. Proceedings indicated that great advance was made in USSR on scientific-theoretical front of health service organization as well as in medical statistics and history of medicine. It was pointed out that application of results of scientific research are numerous. It was also stated that struggle against excessive paper

work and bureaucracy must go on.

Institution:

Submitted

DERYABINA 1 /

ZAKHAROV, F.G.; DERYABINA, V.L.

Results and prospects in consolidating polyclinics and hospitals.

Sov. sdrav. 14 no.6:26-32 N-D '55. (MIRA 9:2)

1. Iz Instituta organizatsii zdravookhraneniya i istorii meditsiny imeni N.A. Semashko ANN SSSR (dir. Ye. D. Ashurkov) (HOSPITALS,

unification of hosp. & polyclinics in Russia)

DERYABINA, V.L.

The magazine "Zdorov'e", 1955, no.1-12. Reviewed by V.L. Deriabina. Sov. zdrav. 15 no.1:61-63 Ja-F 156. (MLRA 9:6)

(PUBLIC HEALTH -- PHRIODICALS)

ALEKSANDROV, Oleg Alekseyevich; DERYABINA, V.L.; MATSKO, B.M.; ZAKHAROV, F.G., red.

[Organization of operations in consolidated hospitals] Ob organizatsii raboty v ob*edinennykh bol*nitsakh, pod red. F.G.Zakharova.

Moskva, Medgiz, 1958. 82 p. (MIRA 12:4)

(HOSPITALS--ADMINISTRATION)

ANAN'YEV, M.G., DERYABINA, V.L., KONNERT, V.S.

Some problems in the development of the medical supplies industry.

Med.prom. 12, no.11:6-10 N 58 (MIRA 11:12)

(MEDICAL INSTRUMENTS AND APPARATUS)

ANAN'YEV, M.G., kand.med.nauk., DERYABINA, V.L., kand.med.nauk

Medical equipment and public health. Sov.zdrav. 17 no.10 10-15 0 158 (MIRA 11:11)

1. Iz nauchno-issledovatel'skogo instituta eksperimental'noy khirurgicheskoy apparatury i instrumentov (dir. M.G. Anan'yev). (SURGERY, OPERATIVE, appar. & instruments advances (Rus))

DERYABINA, V.L.; KALININA, V.A.; MEL'NIKOVA, G.K.; SEMENOVA, A.V.

Rubber articles used in anesthesiology. Nov. med. tekh. no.3: 29-44 165. (MIRA 19:1)

DERYABINA. V. M., Cand Med Sci — (diss) "Effect of certain salinoalkaline waters of the health resorts — Caucasian Mineral Waters — Whom the secretory function of the stomach. (Experimental/study.)" Mos, Sci. 1958. 12 pp (Min of Health RSFSR, Central Inst of Health Resort), 200 copies (KL, 16-58, 123)

-98--

DERYABINA, V.M.; KOPYTIN, B.M.

Significance of the time factor in the ingestion of mineral waters. Vop.kur., fizioter.i lech.fiz.kul't. 25 no.1:20-24 60.

(MIRA 13:5)

1. Iz otdela eksperimental noy bal neulogii (zav. - doktor med. nauk A.K. Pislegin) Bal neulogicheskogo instituta na Kavkazskikh Mineral nykh Vodakh (dir. - dotsent I.S. Savoshchenko).

(MINERAL WATERS) (STOMACH--SECRETIONS)

KOPYTIN, V.M.; DERYABINA, V.M.

Importance of the temperature factor in drinking mineral waters.

Vop. kur., fizioter. i lech. fiz. kul't. 24 no.6:521-524 N-D '59.

(MIRA 15:1)

1. Iz otdela eksperimental'noy bal'neologii (zav. - doktor med.

1. Iz otdela eksperimental'noy bal'neologii (zav. -- doktor med. nauk A.K.Pislegin) Eal'neologicheskogo instituta na Kavkazskikh Mineral'nykh Vodakh (dir. -- dotsent I.S.Savoshchenko).

(MINERAL WATERS)

DERYABINA, V.M., kand.med.nauk

Effect of radon water with a high radon content on the normal secretory function of the stomach and in experimental (burn) gastritis. Uch.zap.Pyat.gos.nauch.-issl.bal'n.inst. 3:38-47 '60.

(MIRA 15:10)

(STOMACH-SECRETIONS) (RADON-THERAPEUTIC USE)

(STOMACH-INFLAMMATION)

DERYABINA, V.M.; KAGAN, M.S.; LEGEN'KAYA, L.M.; RHJRTINA, Ye.V.

Physiological and dosimetric studies of the effect of radon water administered internally on the secretory function of the stomach. Med.rad. no.3:39-45 162. (MIRA 15:3)

1. Iz eksperimental mogo otdela (zav. - prof. A.K. Pislegin) i radiologicheskov laboratorii (zav. - kand.med.nauk M.S. Kagan) Pyatigorskogo nauchno-issledovatel skogo bal neologicheskogo instituta.

(RADON) (STOMACH-SECRETIONS)

DERYABINA, V.M., DAAKYAN, A.G.

Conference on the internal use of mineral waters in diseases of the digestive organs and metabolism. Vcp. kur., fizioter. i lech. fiz. kulit. 28 no.4:373-377 Jl-Ag 163.

(MIRA 17:9)

KUZ'MINA, N.N.; GALKINA, A.N.; LALETIN, L.V.; SUROVA, G.A.; IGNAT'YEVA, V.V.; DERYABINA, V.P.; CHOVNYK, N.G., kand. khim. nauk, red.; MIKHEYEV, N.I., red.; ANTONOV, V.P., tekhn. red.

[Methods for the analysis of eletrolytes and solutions of galvanic and chemical coatings; a manual for workers in industrial laboratories]
Metody analiza elektrolitov i rastvorov gal'vanicheskikh i khimicheskikh pokrytii; spravochnoe posobie dlia rabotnikov zavodskikh laboratorii.
Kuibyshev, TSentr. biuro tekhn. informatsii, 1960. 215 p.

(MIRA 14:7)

1. Kuybyshev (Province)
(Protective coatings) (Chemistry—Laboratory manuals)

DERYABINA, Ye. I

DERYABINA, Ye. I--"Prophylaxis and Struggle against Shock in Phrough-the-Ribs Owerations Due to Cancer of the Alimentary Tract and Teart."*(Dissertation for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions.)
Gorki State Medical Inst imeni 3. M. Kirov, Jorci, 1950

SO:Knizhnaya Letopis', No. 25, 18 Jun 55

* For $\mathbf{P}_{\text{egree}}$ of Doctor of Medical Sciences

DERYABINA, Ye.I., kand. med. nauk

A case of isolated gastric lymphogranulomatosis. Khirurgiia 35 no.2:105-106 F 159. (MIRA 12:5)

1. Iz kliniki obshchey khirurgii (dir. - prof. V.A.Ivanov)
II Moskovskogo meditsinskogo instituta im. N.I.Pirogova.
(HODGKIN'S DISHASE, case reports,
stomach (Rus))
(STOMACH NEOPLASMS, case reports,
Hodgkin's dis. (Rus))

of transpiral anamalies," Leniggrad, 1960, 18 pp (Leningrad State Institute for the Advanced Training of Physicians im S. M. Kirov) (KL, 35-60, 125-226)

DERYABINA, Ye.I.

Diagnosis of craniospinal anomalies. Och.klin.nevr. no.1:71-78 '62.

(SPINE—ABNORMITIES AND DEFORMITIES)
(SKULL—ABNORMITIES AND DEFORMITIES)

DAVIDENKOV, S.N.; DERYABINA, Ye.I.

Atypical forms of Friedreich's disease. Och. klin. nevr. no.2: 44-54 '64 (MIRA 18:1)

KOROLEV, B.A.; OKHOTIN, I.K.; SHVARTS, T.F.; DERYABINA, Ye.I.; YEZHOVA, T.N.; GUTENKO, V.I.

Clinical course of the defects of the interventricular septum and their surgical treatment under conditions of extracorporeal blood circulation. Uch. trudy GMI no.19:99-107 165.

(MIRA 18:8)

l. Iz kliniki gospital'noy khirurgii Gor'kovskogo gosudarstvennogo meditsinskogo instituta imeni S.M.Kirova.

DERYABINA, Ye.I.; YEZHOVA, T.N.

Changes in the electrocardiogram and phonocardiogram in defects of Fallot's group. Uch. trudy GMI no.19:206-215 '65.

(MIRA 18:8)

1. Iz kliniki gospital'noy khirurgii Gor'kovskogo gosudarstvennogo meditsinskogo instituta imeni S.M.Kirova.

DERYABINA, Ye.I.

Causes of death due to Brock operation in patients with defects of the Fallot group. Uch. trudy GMI no.19:221-226 165.

(MIRA 18:8)

1. Iz kliniki gospital'noy khirurgii Gor'kovskogo gosudarstvennogo meditsinskogo instituta imeni S.M.Kirova.

DERYABINA, Ye.I.; TROITSKIY, K.1.

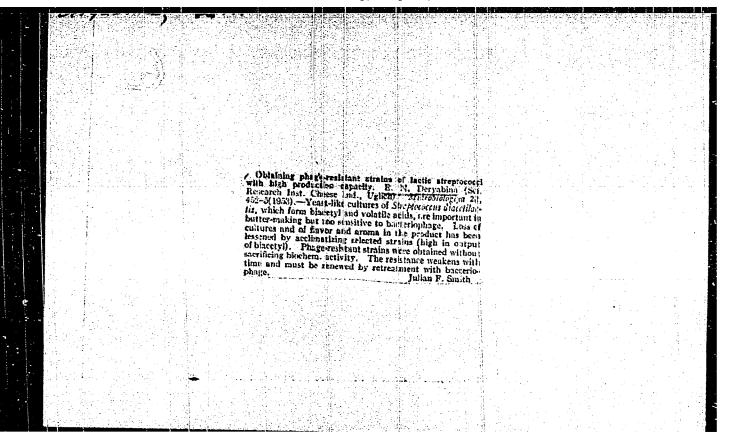
Reanimation in miocardial infarction. Uch. trudy GMI nc.19:264-270 '65. (MIRA 18:8)

1. Iz kliniki gospital'ncy khirurgii i fakul'tetskoy terapii Gor'kovskogo gosudarstvennogo meditsinskogo instituta imeni S.M. Kirova.

DESYABINA, TE. N.

42396: GIBSHMAN, M. DEFYABINA, YE. Spechifichost' banteriofagov molochnokislykh streptokokkov. moloch. prom-stv, 1948, No. 11, s 38-39.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948



Muscts of Streplococcus lactis and its filtrates of Leuconostoc dextranicum in milk. B. N. All-Union Sci. Rusearch Inst. Meat and Cheese	Danish lass	-	
lich). Mikrobiologiya 25, 72-0(1956).—Filtrates contain substances which favor growth of L. de in milk; different cultures of L. destrancum react dusually but not always with increased growth as Either addn. of filtrate (5-10%) or inoculating the multaneously with S. lactis accelerates growth (sharply), activates oxidation and lavors formatic and org. acids. L. destrancum is very sensitive thanges; winter greatly impairs prowth and caform org. acids. Iulian F.	Ind., Up- of S. lactis catransics m lifterently, one result, he milk si- sometimes on of CO; to seasonal apacity to		
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MERYNEIMA Ye. M.

UBSR / Microbiology. Industrial Microbiology.

F-3

Abs Jour

: Ref Zhur - Biol., No 20, 1958, No. 90795

Author

: Gibshuan, M. R.; Aristova, V. A.; Deryabina, Ye. N. : The All-Union Scientific Research Institute for the

Inst

Butter and Cheese Producing Industries

Title

: Variation in the Activity of Lactic Acid Streptococci with their Cultivation in Milk at Different Seasons of

the Year

Orig Pub

: Sb. ref. nauchn. rabot. Vses. n-i. in-t maslodelin. i

syrodelin. prom-sti, 1957, vyp. 4, 62-66

Abstract

: The characteristics of lactic acid streptococci (energy of multiplication and acid formation, ability to ferment hydrocarbons, formation of volatile acids, and sensitivity to bacteriophage) underwent considerable variation with cultivation in milk during the stall and pasture periods of feeding. Of the strains of lactic acid streptococci

Card 1/2

DEMYABINA, N. P.

Deryabina, Ye. P. - "Research expedition of the Fore try Institute (USSR Academy of Sciences Summary)," Les. Moz-vo, 1948, No. 3, p. 76-77

SO: U-3600, 10 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 6, 1949).

DERYABINA, Ye.Ya., zasluzhennyy vrach RSFSP. (Murmansk, ul. Volodarskogo, d. 4, kv.5)

Peritoneoscopy. Vest. khir. 91 no.8:131-134 Agr63 (MIRA 17:3)

1. Iz kliniki obshchey khirurgii (zav. - prof. G.A. Orlov) Arkhangel'skogo meditsinskogo instituta.

DERYABINA, Ye.Ya., zasluzhennyy vrach RSFSR

Peritoneoscopy in the diagnosis of extrauterine pregnancy. Akush. i gin. 40 no.2:100-101 Mr-Ap '64. (MIRA 17:11)

1. Klinika obshchey khirurgii Arkhangel'skogo meditsinskogo instituta.

Chemical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
Biological Chemistry

DERYABINA, Z. I.

Effect of moderate concentrations of carbon dioxide on gas exchange in cattle. /Z. I. Deryabina. Veterisary of content up to 2% for 4 hrs. display a lowered with Co-content up t

DOROGOV, A.V., kand.vet.nauk; DERTABINA, Z.I., kand.biol.nauk

Effect of fraction 2 of Dorogov's antiseptic stimulator on oxidation processes in the body. Trudy VNIIVSE 11:406-412 (NIRA 11:12) 57. (TISSUE EXTRACTS) (METABOLISM)

USSR/Farm Animals - Cattle.

0-2

Abs Jour : Ref Tour - Biol., No 1, 1079 . 2500

Author : Deryaldina, Z.T.

Inst : All-Union Institute of Amperimental Veterinary Redicine

Title : McInthonship Between Variations in Gastous Interchange

in Catale and the Functional State of the Animal.

Orig Pub : Tr. Vses. in-ta eksperim. veterinarii, 1957, 20, 251-256.

Abstract : No abstract.

Card 1/1

KAZANSKI, I. I., KARNEYEVA, V. E. and DERYABINA, Z. I.

Veterinariya, Vol. 37, No. £ 7, 1960, p. 35

Deryabria - Caux. Brot Sci - all. Union Inst. Eag. Vet.

KAZANSKIY, I.I., prof.; KARNEYEVA, V.Ye., starshiy nauchnyy sotrudnik; DERYABINA, Z.I., kand.biolog.nauk

Gemma globulins used in the prophylaxis and treatment of footand-mouth and Aujesky's disease in animals. Veterinaria 37 no.7:35-39 Jl 160. (MIRA 16:2)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.
(Gamma globulin) (Foot-and-mouth disease)
(Pseudorabies)

DERYABINA, Z.I., kend.biolog.nauk

Preparation of anti-foot-and-mouth disease gamma globulin by the ammonium sulfate precipitation method (bu means of acidifying) and its use in the prophylaxis of animals suffering from foot-and-mouth disease. Trudy VIEV 26:75-81 '62. (MIRA 16:2)

1. Iaboratoriya farmakologii, khimicterapii i toksikologii Vsesoyuzmogo inatituta eksperimental'noy veterinarii. (Gamma globulin) (Foot-and-mouth disease)

RASSOLOV, M. (Simferepol'); DERYABKIN, V., inch. (Simferepol')

Helicopter above vineyards in Grimea. Grazhd.av. 18 no.8:5

Ag '61.

(Crimea--Aeronautics in agriculture)

CHURIKOV, N.S.; DERYABKIN, V.I., inzh. aviatsii spetsprimeneniya (Simferopol')

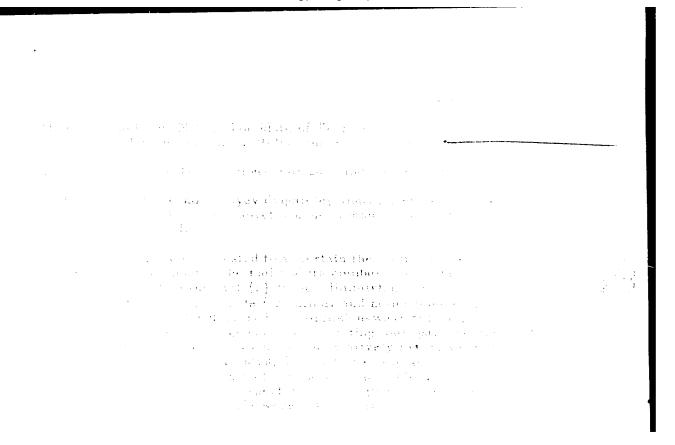
Toward the 22d Congress of the CPSU. Zashch. rast. ot vred. i bol. 6 no.9:3 S '61. (MIRA 16:5)

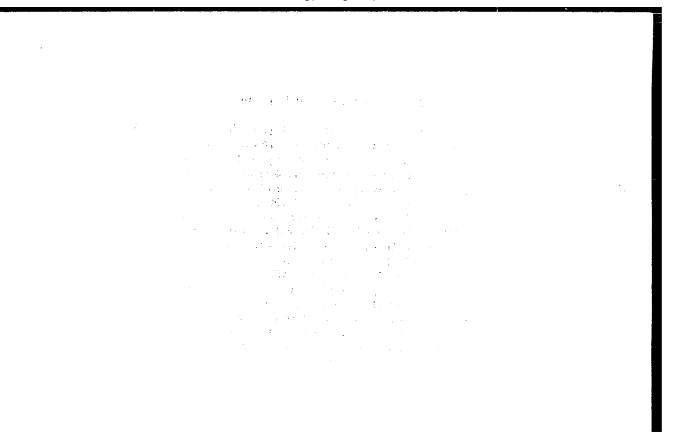
l. Direktor Zapadno-Kazakhstanskoy stantsii zashchity rasteniy, Ural'sk (for Churikov).

(Plants, Protection of)

. <u>19012-65</u>	e) Po-li/Pr-li	RM	
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MUTHOR: Nosach, N. S.: Deryabo, D. G.		17	
TITLE: Special KVDs and KNDs throttli	ng valves for u	ria production	
CITED SOURCE: Sb. Avtomatiz. khim. pr	oiz-v. Vyp. 2.	18., 1964, 39	
POPIC TAGS: throttling process, valve	, urea		
TRANSLATION: The article is a report two new throttling valves: the KNDs (mm, P = 320 kg/cm²). The valves consistor. To keep the urea solution from number of channels in the housing for atm. and a temperature of 203°C. The	t of a regulation of the string using the string using the string using the string using the string string to the string string to the string	ing unit and a pneumatic actuaring throttling, there are a steam at a pressure of 17 gau	a-
410 nm. SUB CODE: IE, GC Cord 1/1 Jul	ENCT 00		

Spent oil reclaimer. Khol.tekh. 37 no.2:50-51 My-Ap'60. (MIRA 13:10)
(Maykop — Compressors) (Oil reclamation)





LATSKIY, V.I.; DERYAGIN, A.P.

llew machines for the mining industry from the "ElFIGormash" Institute.

Gor. zhur. nc.7:47-49 Jl 164. (EIRA 17:10)

l. Hauchno-issledovatel skiy i proyektno-konstruktorskiy institut gornogo i obogatitel nogo mshinostroyeniya, Sverdlovsk.

CIA-RDP86-00513R00031022 "APPROVED FOR RELEASE: Thursday, July 27, 2000 LERYAGINS B.N.

USSR/Physics - T-particles

Card 1/1

Pub. 22 - 6/40

Authors

: Alikhonyan, A. I., member correspondent of the Acad. of Scs. of USSR;

Dayon, M.I.; Shostakovich, N. V.; Kirillov-Ugoyumov, V. G. and Deryagin, B.N.

Title

: Unstable charged particles heavier than protons.

Periodical : Dok. AN SSSR 99/3, 361-364, Nov 21, 1954

Abstract

: Four cases of charges particles heavier than protons, observed in Wilson's camera, are described. These particles were designated T-particles and their mass, sign, durations and energy were estimated. They are considered as being particles of a decomposition process at the end of which the formation of \mathcal{J} -mesons was observed. A scheme of the decomposition process can be written as follows: $T \rightarrow n^0 + \mathcal{J}_0^0$ ($\mathcal{J}_0^0 \rightarrow \mathcal{J}_0^0$, where Q is energy carried away by the neutron and the meson, from the T-particle when the latter is in a state of rest. Six references; 2-USSR and 4-Foreign (1953-1954).

Table; illustrations.

Institutions:

Physical Institute of the Acad. of Scs. of the Arm SSR Physical Institute of the Acad. of Scs. of the USSR

Submitted

DER YAGIN, B.N.

USSR/Nuclear Fhysics - Wilson chamber

FD-2206

Card 1/1

Pub. 146-11/25

Author

Kirillov-Ugryumov, V. G.; Fedorov, V. M.; Deryagin, B. N.

Title

Rectangular Wilson chamber with two-sided expansion

Periodical:

Zhur. eksp. i teor. fiz. 28, 603-607, May 1955

Abstract

The authors describe a rectangular Wilson cloud chamber with two-sided expansions which is convenient for use in conjunction with the masspectrometer. They thank Professor A. I. Alikhanyan for his guidance, and also M. M. Veremeyeva, V. A. Nikolayeva, G. D. Davimusa, S. G. Ryumina, and N. A. Golubchikova for their assistance. Two photographs are given of tracks of cosmic rays recorded in their chamber. [One photograph has been mutilated after insertion in the magazine.] Five references, including one USSR: A. A. Alikhanyan, V. G. Kirillov-Ugryumov, N. V. Shostakovich, and V. M. Fedorov, DAN

SSSR, 92, 1953.

Institution:

Physics Institute im. P. N. Lebedev, Academy of Sciences USSR

Submitted

April 27, 1954

PA = 2004DERYAGIN, B.N. ALLUMANJAN, A.I., SUSTAKUVIU, N.V., LADAJAN, A.T.,

AUTHOR: FEDOROV, V.M., DERJAGIN, B.N.

On the Spectrum of the Masses of the Charged Particles of Cosmic TITLE:

Zhurnal Eksperimental'noi i Teoret. Fiziki, 1956, Vol 31, Nr 6, PERIODICAL:

pp 955-970 (U.S.S.R.)

Reviewed: 3 / 1957 Received: 1 / 1957

The present work deals with the results of the measurements of this mass spectrum which were carried out in an altitude of 3200 m. These measurements were carried out with a magnetic spectrometer in connection with two WILSON chambers. In the stars which were produced above the measuring device protons, deuterons, pions, and K-particles were observed. Work is arranged as follows: Determination of the mass spectrum of the particles from momentum and range, measurements of the masses of cosmic particles in a magnetic spectrometer with a many-plate WILSON chamber, selection of trajectories, accuracy of the measurements of the masses of particles, light intensity, the mass spectrum, the determination of particle mass from scattering and range.

Summary: Two groups of particles are observed in the mass spectrum between pion and proton: K-particles with $\sim 1000~\rm m_e$ and a group of particles with $\rm m_e \sim 550~\rm m_e$. If only those particles are selected which were produced in the matter above the device, the group of particles with the mass ~ 550 m vanishes completely and the mass spectrum then consists of pions, K-particles, protons and deuterons. In CARD 1 / 2

On the Spectrum of the Masses of the Charged Particles of Cosmic Radiation.

PA - 2004

this connection the ratio of the abundance of K-particles and pions in the same interval of the ranges is 0,08. In the mass spectrum the authors observed a group of 11 particles the mass of which, determined from the range (as well as from range and scattering) amounts to 500 - 600 m_{θ} . This is in contradiction to all measurements of the masses of cosmic particles hitherto carried out by means of a WILSON chamber and photoplates. The particles which belong to this anomalous group incide into the recording system from the outside just like myons. The fact that hitherto particles with \sim 500 m have been lacking may be connected with the conditions for the selection of particles. As further data concerning 500 m particles have hitherto been lacking, a very careful interpretation of the aforementioned 11 traces is necessary. - According to the authors' opinion it is necessary, besides from determining mass from momentum, range, and scattering, to determine also the ionizating capacity of individual particles with great accuracy. It is then possible to determine the mass of particles by means of methods that are independent of one another, namely from momentum and ionization. It is only by such measurements that a definite decision concerning the existence of such 500 m_e particles is possible. The authors already started a new series of experiments in the course of which the ionizing capacity of the particle is determined before incidence into the WILSON chamber by means of multi-layer proportionality counters.

ASSOCIATION: Physical Institute "P.N.LEBEDEV" of the Acad. of Sciences, USSR

Physical Institute of the Acad.of Sciences of the Armenian SSR

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Library of Congress

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1.0 :-3-3/4

AUTHORS: Kirillov-Ugryumov, V.G., Deryagin, B.H., Merzon, G.I.

TITLE: A Rectangular Wilson Chamber with Side Illumination (Pryanougol'naya kamera Vil'sona s bokovym osveshcheniyem)

TERIODICAT: Pribory i Tekhnika Eksperimenta, 1957, Nr 5, pr.15-18. (and 1 plate) (USER)

ABSTRACT: The working volume of the chamber is 52 litres and its depth 148 mm. Its rectangular shape makes it easier to use it with other experimental apparatuses (mass spectrometer of Alikhanov-Alikhanyan, another chamber, etc.). Side illumination gives a uniformity in the images of tracks passing through the chamber. A sectional drawing of the chamber is shown in Fig.1. The chamber is made from duralumin coated with bakelite on the inside. 5 beryllium plates each 10 mm thick and placed in aluminium frames could be introduced into the sensitive volume. The plates were coated with thin layers of aluminium (used to introduce a clearing field) and covered with bakelite varnish which was then polymerised. The expansion was carried out using two spark valves described in (Refs.2 and 3) except that they were now made of organic glass

Card 1/2

120-3-3/40

A Rectangular Wilson Chamber with Side Illumination.

(designed for pressures up to 1.5 atm. in the expansion volume). For slow expansions, the valve described in (Ref.4) was used. The temperature was stabilised to ± 0.5°C by placing the chamber in a special thermostating case. Typical photographs of fast particles are shown in Fig.7. A special investigation was carried out of the performance of the chamber in a magnetic field. Scattering of μ-mesons in lead has also been investigated and results will be published later. M.M.Veremeyev, V.A.Nikolayev and A.M.Moskvichev collaborated. There are 7 diagrams, no tables and 5 references, of which l is Russian, l is Italian and 3 are English.

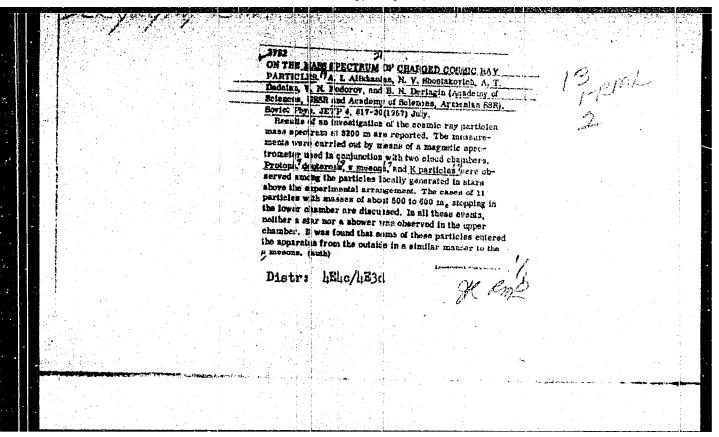
ASSOCIATION: Institute of Physics imeni P. N. Lebedev.

(Fizicheski, institut im. 2.1. Lebedeva)

SUBMITTED: October 13, 1956.

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2.72 1. Cloud chambers-Operation



DEPMACEN, P. H., ZAIMCVSKIY, A. S. DENOVIYEV, V. P., KAZACHEGYSELY, C. D.,

KPAZMOYAPGV, N. V., LTYPYNSKIYA, A. I., MALIKH, V. A., MAZAFGV, P. M., MIKCIAYEV, S. K., STAVISSYIY, Y. Y., MKPALUSTEV, F. I., FPANK, I. M., SHAPIPG, FL L., VAZVITSKIY, Y. S., BLOK HNISTV, D. I., TLOR IV, G. P., PLYHEKIMA, Y. A., SONDAFENKG, I. I.

"A Pulsed fast reactor."

report submitted for the IARA seminar on the Physics of Fast and Intermediate Reactors, Vienna, 3-11 Aug 1961.

Acad Aci. USSR Moscow

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AUTHORS:

Blokhin, G. Ye., Blokhintsev. D. I., Blyumkina, Yu. A., Bondarenko, I. I. Deryagin, B. N., Zaymovskiy, A. S., Zinov'yev, V. P., Kazaohkovskiy, O. D., Kim Khen Bon, Krasnoyarov, N. V., Leypunskiy, A. I., Malykh, V. A. Krasnoyarov, P. M., Nikolayev, S. K., Stavisskiy, V. Ya., Nazarov, P. M., Nikolayev, S. K., Shapiro, F. L., Yazvitskiy, Yu. S.

A pulsed fast reactor TITLE:

PERIODICAL: Atomnaya energiya, v. 10, no. 5, 1961, 437-446

TEXT: The present paper gives a description of the pulsed fast reactor of the Ob"yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research) which became critical in June, 1960. This reactor, Nuclear Research; which became oritical in June, 1900. This reactor, called M5P (IBR) reactor, serves as pulsed fast neutron source (mean power \$1 kw) for physical investigations, particularly for time-of-flight experiments. Its most distinguishing feature is the very small contribution (~10-4) of the delayed neutrons in its normal operation; it is about

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APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00031022(

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A pulsed fast reactor

one hundredth of that of the usual steady uranium reactor. The pulses appear because whenever the reactor becomes overcritical a burst of prompt neutrons results. The half width of these pulses is 36 µsec. The frequency with which the pulses are repeated can be varied between 8 and frequency with which the pulses are repeated can be varied between 8 and pulses/sec. Fig. 2 shows the construction of this reactor. The 80 pulses/sec. Fig. 2 shows the construction of this reactor. The periodic change in the reactivity is brought about by the displacement of periodic change in the form of a disk, 1100 mm in diameter, and can be block is pressed in the form of a disk, 1100 mm in diameter, and can be rotated with a peripheral velocity of 276 m/sec (at 6000 rpm) during which it passes through the core center. The reactivity change obtainable from the motion of the main block is 7.4 %, that obtainable from the motion of the auxiliary block is 0.4 %. The stationary part of the core consists of plutonium lumps in steel jackets. The reactor is started by a rough plutonium lumps in steel jackets. The reactor is started by a rough regulator, in this case a movable part of the reflector. It gives a reactivity change at the rate of 13·10⁻⁵ - 1.3·10⁻⁵ sec⁻¹. The manually operated rod is also a part of the reflector. Two plutonium rods in electromagnetic suspension serve as soram. They can be separated from the core with an acceleration of 20 g. Their separation causes a reactivity

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A pulsed fast reactor

decrease of 2-1.1 %; the rough regulator allows a reactivity change of 2.4 %, the manual regulator 0.1 %, and the automatic regulator 0.036 %. The reactor possesses also a reactivity booster for the production of one intensive pulse. The control and shield system is an automatically functioning electronic arrangement with BF, counters and ionization chambers. The whole reactor is placed in a room of size 10.10.7 m whose concrete walls allow complete protection from radiation. The most important experimental arrangement consists of a 1000 m long neutron conductor, a metal tube, 400 mm in diameter in the first part and 800 mm in the second part in which a pressure of 0.1 mm Hg is maintained. This conductor connects a chain of socalled "intermediate pavilions" (at distances of 70, 250, 500, 750, and 1000 m from the reactor) in which experiments can be carried out. There is also an additional neutron conductor of 100 m length. The reactor chamber is joined to an experimental chamber in which four neutron beams of up to 800 mm diameter are available. There us such an experimental chamber also above the reactor chamber. Various experiments were carried out with the reactor and they are described in the present paper. These are experiments with stand

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A pulsed fast reactor

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assemblies and slowly moving main block for the determination of the most important parameters of the reactor; experiments with a core assembly (unmoved), experiments with rotating (5000 rpm) main block and a Ra- α -Be source in the core for the investigation of the effect of the multiplication factor, etc. The most important results are represented graphically. For example, Fig. 6 shows the dependence of the half width θ of a pulse on the reactivity; the dashed line holds for the quasistationary case, the dot-dash line for the case of $\theta = K(\tau/\alpha)^{1/3}v^{-2/3}$, where v is the velocity of motion of the (rotating) main block; in the quasistationary case $\theta = 2t_m/\alpha v^2$, where t is the reactivity at the maximal multiplication factor; $\xi = \xi_m - \alpha x^2$, where x is the displacement of the main block. The reactor has been actually used for the measurement of the total, scattering, capture, and fission cross sections by the time-of-flight method. Further experiments will be carried out with a view to obtaining increase of power and decrease of the pulse duration. There are 15 figures and 3 references: 2 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: J. Orndorf, Nucl. Sci. and Engng, 2, No. 4, 450 (797).

DERYAGIN, B.V.; KARASEV, V.V.; MEDVEDAVA, A.M.; ZHEREBKOV, S.A.

Electron emission on the losening of vulcanized rubber from metal and glass in a vacuum. Koll. zhur. 27 no.1:35-41 Ja-F 165.

(MIRA 18:3)

l. Nauchno-issledovatel skiy institut rezinovoy promyshlennosti i Institut fizicheskoy khimii AN SSSR, Moskva.

LYASHEV, K.F.; DUKHIN, S.S.; DERYAGIN, B.V.

Effect of adsorption layers of soluble surface-active agents on the evaporation rate of fine water droplets. Kell. zhur. 27 nc.1:64-f.9
Ja-F *65. (MIRA 18:5)

1. Institut obshchey i neorganieneskoy khimii AN UkrSSR, Kiyev i Institut fizieheskoy khimii AN SSSR, Moskva.

DERYAGIN, B.V.; NERPIN, S.V.; ARUTYUNYAN, M.A.

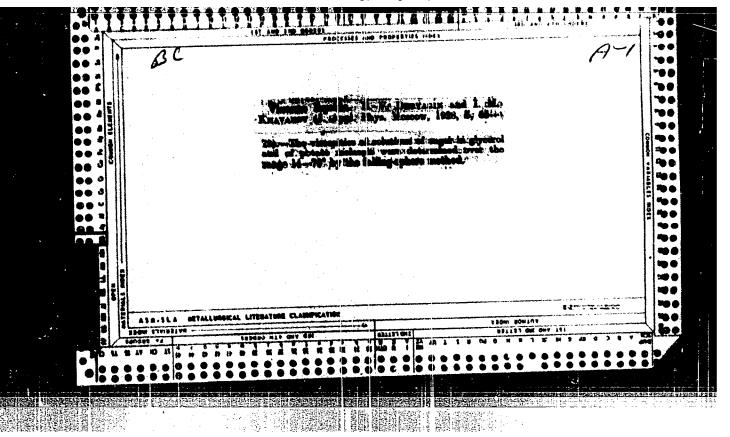
Mechanocaloric effect at ordinary temperatures. Dokl. AN SSSR 160 no.2:387-389 (a '65. (MIPA 18:2)

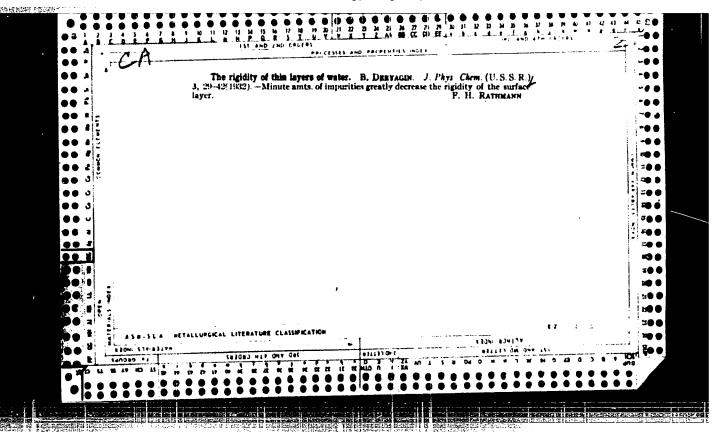
1. Institut fizicheskoy khimii AN SSSR, Agrofizicheskiy institut Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I. Lenina i Institut pustyn' AN Turkmenskoy SSR. 2. Chlen-korrespondent AN SSSR (for Deryagin).

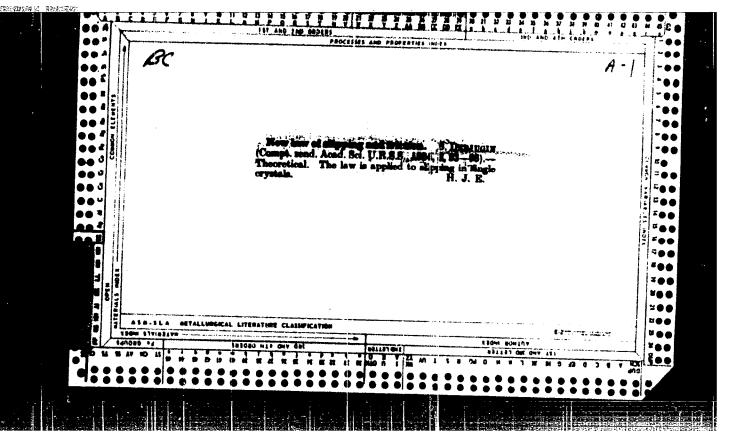
VOYUTSKIY, S.S.; DERYAGIN, B.V.; RAYEVSKIY, V.G.

Nature of the adhesive bond between polymers. Dokl. AN SSSR 161 no.2:377-379 Mr 165. (MIRA 18:4)

1. Chlen-korrespondent AN SSSR (for Deryagin).





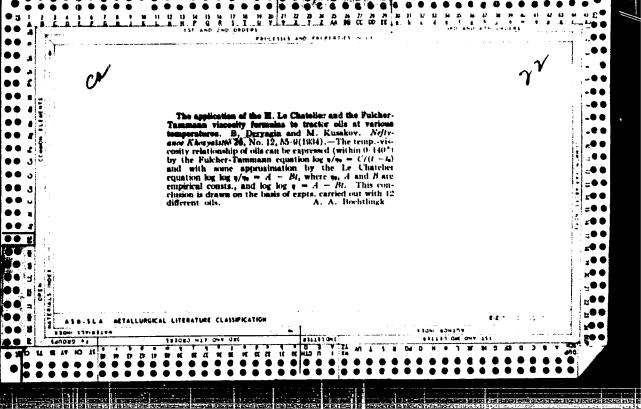


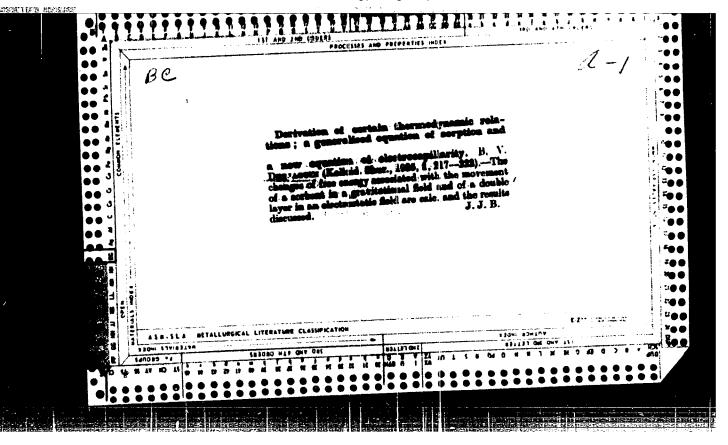
DERYAGIN, B. V.

建筑的建筑设置。 医克罗沙茨氏征 用省际证明的过去式和过去分词 医克斯特氏 医自动性神经

The external friction of crystalline surfaces. Preliminary communication. B. V. Derryagin and V. P. Lanarev. J. Phys. Chem. (U=0.75.76.75.416-22(1934). —The cord. of static friction of a fresh clean mice surface trea 1.0, after poblating 0.4 and with water lubricant 0.15-(1:20. Exponer to air did not alter the value for the fresh impollabed surface. An app. for making the measurements is described.

Indecember thosey of friction and gilding. B. Deryagin. J. Phys. Chem. (U. S. S. R.) 5, 1105—10(1934).—With the assumption that the mol. repulsive forces between adjacent surfaces are segaiv. to rigid bunds due to the rapid increase of these forces, the formula $F = \mu$ (N + Ro), where F = force of friction, $\mu = \operatorname{confl.}$ of friction, and N is the load and No is a const. for the contact surfaces, is developed and shown to be a generalization of the Amonton-Coulomb laws. The equation is applicable to internal gliding in crystals.





DERYAGIN, B. V.

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