PUSHKIN, P.S., kand. tekhr. nauk, dotsent; TIKHOMIROVA, B.V., inzh.; SHAPKINA, O.S., inzh.

> Technical and economic basis for the production of soft artificial materials with a mechanically bonded fibrous base (IK artificial leather). Izv. vys. ucheb. zav.; tekh. leg. prom. nc.4:13-16 '63. (MIRA 16:10)

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1. Vsesoyuznyy nauchną-issledovatel'skiy institut plenochnykh materialov 9 iskusstvennoy kozhi. Rekomendovana kafedroy ekonomiki promyshlennosti i organizatsii proizvodstva Kiyevskogo Tekhnologicheskogo instituta legkoy promyshlennosti.

APPROVED FOR RELEASE: 08/09/2001

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VASIL'KOVA, I.V.; ZAYTSEVA, N.D.; SHAPKIN, P.S.

Interaction of tungsten hexa- and pentachloride with sodium and potassium chlorides. Zhur. neorg. khim. 8 no.10:2360-2364 0 '63. (MIRA 16:10)

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(Tungsten chlorides) (Alkali metal chlorides)

APPROVED FOR RELEASE: 08/09/2001

SHAPKIN, S. Ya., Engineer --

"Friction and Vear in Autorobile Brake Shoes." Cand Tech Sci, Moscow Sutomotive Mechanics Inst, 22 Oct 54. (VM, 13 Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

APPROVED FOR RELEASE: 08/09/2001

SHAFKIN, V., Starsbiy master
Heater for fire hose. Forh.delo 6 no.12:27 D '60. (MIRA 13:12)
1. Novosibirskaya pozharno-ispytatel'naya stantsiya. (Fire departments--Equipment and supplies)

APPROVED FOR RELEASE: 08/09/2001



1.40170-66 C.T(1)/T ACC NR. AP6029379 (A,N) SOURCE CODE: UR/0346/66/000/006/0018/0019 AUTHOR: _Zagorodnov, M. V.; Mustafayev, G. A.; Shapkin, V. A.; Yelagina, Ye. B. ORG: [Zagorodnov; Mustafayev] State Scientific Control Institute of Veterinary Preparations (Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov); [Shapkin] Main Administration, Biological Industry, MSKN SSSR (Clawnoye upravleniye biologicheskoy promyshlennosti MSKN SSSR); [Yelagina] Kursk Biological Plant (Kurskaya biofabrika) G TTTLE: [Effect of prolongators on the activity of hyperimmune foot-and-mouth disease serum SOURCE: Veterinariya, no. 6, 1966, 18-19 TOPIC TAGS: hoof and mouth disease, serum, experiment animal, virus, immunization, diagnostic drug ABSTRACT: Hyperimmunization of guinea pigs with a suspension of foot-and-mouth disease virus containing aluminum hydroxide (AH) and a saponin greatly increases the activity of diagnostic serum, regardless of the virus type. In the authors' experiments, the optimum dose of AH was 1%, that of the saponin 0.5%. Hyper- immunization of guinea pigs with a virus suspension containing 1% AH yielded type 0 serum with a titer of 1:60; types A and C, 1:80. Hyperimmunization of the animals with 0.5% asponin yielded type 0 serum with a titer of 1:110 to 1:150; type	23. 1999 -		
ACC NR: AP6029379 (A,N) SOURCE CODE: UR/0346/66/000/006/0018/0019 AUTHOR: Zagorodnov, M. V.; Mustafayev, C. A.; Shapkin, V. A.; Yelagina, Ye. B. ORG: [Zagorodnov; Mustafayev] <u>State Scientific Control Institute of Veterinary</u> <u>Preparations</u> (Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov); [Shapkin] Main Administration, <u>Biological Industry</u> , MSKh SSSR (Glavnoye upravleniye biologicheskoy promyshlennosti MSKh SSSR); [Yelagina] <u>Kursk Biological Plant</u> (Kurskaya biofabrika) TITLE: Effect of prolongators on the activity of hyperimmune foot-and-mouth disease serum SOURCE: Veterinariya, no. 6, 1966, 18-19 TOPIC TAGS: hoof and mouth disease, serum, experiment animal, virus, immunization, diagnostic drug ABSTRACT: Hyperimmunization of guinea pigs with a suspension of foot-and-mouth disease virus containing aluminum hydroxide (AH) and a saponin greatly increases the activity of diagnostic serum, regardless of the virus type. In the authors' experiments, the optimum dose of AH was 1%, that of the saponin 0.5%. Hyper- immunization of guinea pigs with a titer of 1:10 to 1:150; type 0 serum with a titer of 1:60; types A and C, 1:80. Hyperimmunization of the animals with 0.5% saponin yielded type 0 serum with a titer of 1:110 to 1:150; type A, 1:140 to 1:170; type C, 1:170. A pronounced inflammatory reaction was noted at DEC: 619,616.988.b3-077.34		I. 46175-66 E.T(1)/T JK	
ORG: [Zagorodnov; Mustafayev] <u>State Scientific Control Institute of Veterinary</u> <u>Preparations</u> (Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov); [Shapkin] Main Administration, <u>Biological Industry</u> , <u>MSKh SSSR</u> (Glavnoye upravleniye biologicheskoy promyshlennosti <u>MSKh SSSR</u>); [Yelagina] <u>Kursk Biological Plant</u> (Kurskaya biofabrika) <u>C</u> TITLE: Effect of prolongators on the activity of hyper <u>immune foot-and-mouth</u> <u>disease</u> serum SOURCE: Veterinariya, no. 6, 1966, 18-19 TOPIC TAGS: hoof and mouth disease, serum, experiment animal, virus, immunization, <u>diagnostic</u> drug ABSTRACT: Hyperimmunization of guinea pigs with a suspension of foot-and-mouth <u>disease</u> virus containing aluminum hydroxide (AH) and a saponin greatly increases the activity of diagnostic serum, regardless of the virus type. In the authors' experiments, the optimum dose of AH was 1%, that of the saponin 0.5%. Hyper- immunization of guinea pigs with a titer of 1:60; type A and C, 1:80. Hyperimmunization of the animals with 0.5% saponin yielded type 0 serum with a titer of 1:110 to 1:150; type A, 1:140 to 1:170; type C, 1:170. A pronounced inflammatory reaction was noted at Local 1/2			
Preparations (Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov); [Shapkin] Main Administration, Biological Industry, MSKh SSSR (Glavnoye upravleniye biologicheskoy promyshlennosti MSKh SSSR); [Yelagina] Kursk Biological Plant (Kurskaya biofabrika) TITLE: Effect of prolongators on the activity of hyperimmune foot-and-mouth disease serum SOURCE: Veterinariya, no. 6, 1966, 18-19 TOPIC TAGS: hoof and mouth disease, serum, experiment animal, virus, immunization, diagnostic drug ABSTRACT: Hyperimmunization of guinea pigs with a suspension of foot-and-mouth disease virus containing aluminum hydroxide (AH) and a saponin greatly increases the activity of diagnostic serum, regardless of the virus type. In the authors' experiments, the optimum dose of AH was 1%, that of the saponin 0.5%. Hyper- immunization of guinea pigs with a titer of 1:60; types A and C, 1:80. Hyperimmunization of the animals with 0.5% saponin yielded type 0 serum with a titer of 1:110 to 1:150; type A, 1:140 to 1:170; type C, 1:170. A pronounced inflammatory reaction was noted at			
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biologicheskoy promyshlennosti MSKh SSSR); [Yelagina] Kursk Biological Plant (Kurskaya biofabrika) TITLE: Effect of prolongators on the activity of hyperimmune foot-and-mouth disease serum SOURCE: Veterinariya, no. 6, 1966, 18-19 TOPIC TAGS: hoof and mouth disease, serum, experiment animal, virus, immunization, diagnostic drug ABSTRACT: Hyperimmunization of guinea pigs with a suspension of foot-and-mouth disease virus containing aluminum hydroxide (AH) and a saponin greatly increases the activity of diagnostic serum, regardless of the virus type. In the authors' experiments, the optimum dose of AH was 1%, that of the saponin 0.5%. Hyper- immunization of guinea pigs with a virus suspension containing 1% AH yielded type 0 serum with a titer of 1:60; types A and C, 1:80. Hyperimmunization of the animals with 0.5% saponin yielded type 0 serum with a titer of 1:110 to 1:150; type A, 1:140 to 1:170; type C, 1:170. A pronounced inflammatory reaction was noted at Card 1/2	_	Preparations (Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov);	
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diagnostic drug ABSTRACT: Hyperimmunization of guinea pigs with a suspension of foot-and-mouth disease virus containing aluminum hydroxide (AH) and a saponin greatly increases the activity of diagnostic serum, regardless of the virus type. In the authors' experiments, the optimum dose of AH was 1%, that of the saponin 0.5%. Hyper- immunization of guinea pigs with a virus suspension containing 1% AH yielded type 0 serum with a titer of 1:60; types A and C, 1:80. Hyperimmunization of the animals with 0.5% saponin yielded type 0 serum with a titer of 1:110 to 1:150; type A, 1:140 to 1:170; type C, 1:170. A pronounced inflammatory reaction was noted at UDC: 619.616.988.43-077.34		SOURCE: Veterinariya, no. 6, 1966, 18-19	
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ACC NR: AP60293	79			
increase in AH or	te following injecti r saponin content, n guinea pigs died. C	ecrosis develope	d in the inflam	matory focus
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ACC NR: AR7004300	SOURCE CODE: UR/0271/66/000/011/A007/A007
AUTHOR: Rusin, P. I.; Shapkin TITLE: TVCh-photorelay design	n, V. M.; Pustovoyt, V. N. ned with semiconductor elements
	emekh. i vychisl. tekhn., Abs. 11A56
	ntrolya tekhnol. protsessov sel'khozmashinostr. Rostov-
ABSTRACT: Application of a Ge in hf-heating systems is cons is shown. A photodiode connec- ized amplifier to whose output instrument is supplied from a with a temperature lamp. The	photodiode having a small inertia (10^{-6} sec) as a sensor idered. A principal circuit for controlling hf oscillator ted to a bridge circuit feeds into a 2-stage transistor- t the winding of a polarized relay is connected. The c line via a S-0,09 stabilizer. The instrument is tuned instrument ensures automatic control of thermal
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18,1150		S/137/60/000/011/026/043 A006/A001			
Translation fro # 26862	om: Referativnyy zhurnal, Metallurgiya,	1960, No. 11, p. 199,			
AUTHORS:	THORS: Krasnichenko, L.V., Pikhel'son, V.F., Shapkin, V.M.				
TITLE:	Run-in Ability of a Copper-Steel Pseudo	_Alloy			
PERIODICAL:	Tr. Rostovskn/d. in-ta skh. mashinos 38	tr., 1959, No. 12, pp. 32-			
the run-in proc the $\lceil (C_{T}, \rceil 20)$ which were load creasing load o three cases 80 ce of the frict ficient of fric	The authors describe the effect of stepped and stepless loading on e run-in process of a Cu-steel pseudo-alloy. They investigated three groups of e $f(C_T, N \ge 0 \text{ (PSt, M20)})$ pseudo alloy with an initial roughness of about 0.4 mm, ich were loaded by steps of 4.5 kg/cm ² , 11.2 kg/cm ² and with a continuously in- easing load of 0.562 kg/cm ² per minute. The loading time lasted in all the ree cases 80 minutes with bringing the specific load to 45 kg/cm ² . The dependen- of the friction moment, the temperature of the operating surface and the coef- cient of friction, on the load applied and the run-in time, was investigated. reover, changes in the oil-film state along the friction path were studied. It				

Card 1/2

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"APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001548330003-4 States and states 88720 8/137/60/000/011/026/043 Run-in Ability of a Copper-Steel Pseudo-Alloy A006/A001 was established that the Cu-steel pseudo-alloy showed satisfactory short-time runin ability, which is explained by the rapid recovery of the oil film at the expense of the oil accumulated in the pores. The run-in process should preferable be conducted with stepless loading, since the time required to obtain constant friction moment and temperature is in this case twice as short as in stepped loading. The Cu-steel pseudo-alloy can be recommended as an antifriction bearing material. I.A. Translator's note: This is the full translation of the original Russian abstract. Card 2/2

APPROVED FOR RELEASE: 08/09/2001

RUSIN, P.I.; GOFMAN, L.A.; SMOLYANINOV, A.I.; SHAPKIN, V.M.

Device for the control of the hardness of malleable cast iron parts. Lit. proizv. no.8:38-39 Ag '62. (MIRA 15:11) (Cast iron--Testing) (Hardness--Testing)

APPROVED FOR RELEASE: 08/09/2001

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RUSIN, P.I.; SHAPKIN, V.M.

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Residual stresses in malleable, ferritic cast iron hardened by high-frequency currents. Metalloved, i term. obr. met. no.7:52-55 Jl '64. (MIRA 17:11)

1. Restovskiy-na-Donu institut sel'skokhozyaystvennogo mashinostroyeniya.

APPROVED FOR RELEASE: 08/09/2001

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CIA-RDP86-00513R001548330003-4"

SHALEIN, V.M.

Effect of residual stresses on the wear resistance of gray cast iron. Lit. proizv. no.2:35-36 F '65. (NIRA 18:6)



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CIA-RDP86-00513R001548330003-4

SHAPKIN, V.S.

Catholic Paral

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Errors and complications in total gastrectomy. Khirurgiia, Moskva no.7:32-34 July 1953. (CLML 25:4)

1. Of the Oncology Division (Head -- Docent D. V. Mysh), Novosibirsk Oblant Clinical Hospital.

APPROVED FOR RELEASE: 08/09/2001

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SHAPKIN, V.S.

Tumors of the mesentery of the small intestine. Sov.med. no.2: 32-34 F '54. (MLRA 7:1)

APPROVED FOR RELEASE: 08/09/2001



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SHAPKIN, V.S.

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Complications of nonradical surgery for peptic ulcer of the stomach and duodenum. Khirurgiia no.7:25-30 Jl '55. (MLRA 8:12) 1. Iz onkologicheskogo dispansernogo otdeleniia (zav. V.S.Shapkin) 4-y gorodskoy klinicheskoy bol'nitsy Novosibirska (glavnyy vrach K.A.Dement'yev) (PEPTIC ULCER, srug. compl. of non-radical cases)

APPROVED FOR RELEASE: 08/09/2001



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APPROVED FOR RELEASE: 08/09/2001

SHAPKIN, V.S. (Novosibirsk, Kamenskoye shosse, 7-a, kv. 12)
Surgical treatment of pulmonary suppuration complicated by empyema; concerning N.M.Anosov's article. Vest.khir. 77 no.7:129-132 J1 '56. (MIRA 9:10)
1, Iz khirurgicheskogo otdeleniya (zav. - V.S.Shapkin) bol'nitag Kirovskogo rayona g.Krasnoyarska (g. vrach - G.N.Streblyanskiy) (JUNGS--ABSOESS)

APPROVED FOR RELEASE: 08/09/2001

in the manufacture of the

SHAPKIN, V.S. (Krasnoyarsk, ul. Chaykovskogo, 24, kv. 17) Pneumonectomy for bronchiectasis with simultaneous ligation of patent ductus arteriosus. Vest.khir. 77 no.7:138-139 J1 '56. (MLRA 9:10) 1. Iz khirurgicheskogo otdeleniya (zav. - V.S.Shapkin) bol'nitsy Kirovskogo rayona g. Krasnoyarska (gl. vrach - N.M. Kaverin) (LUNGS, surg. pneumonectomy in bronchiectasis, simultaneous ligation of patent ductus arteriosus) (BRONCHIECTASIS, surg. pneumonectomy, simultaneous ligation of patent ductus arteriosus) (DUCTUS ARTERIOSUS, PATENT, surg. simultaneous pneumonectomy fo bronchiectasis)

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APPROVED FOR RELEASE: 08/09/2001



APPROVED FOR RELEASE: 08/09/2001

SHAPKIN, V.S. Hemorrhage in lung surgery. Khirurgiis 33 no.ll:ll6-ll7 N '57. (MIRA 11:2) 1. Iz khirurgicheskogo otdeleniye (zav. V.S.Shapkin) hol'nitsy Kirovskogo rayona Krasnoyerska (glevny vrach N.M.Kaverin) (PHKUMONECTONY, comp. hemorrh., management (Rus))

APPROVED FOR RELEASE: 08/09/2001

SHAFKIN, V.S.
Surgeon's tactics in sarcoma of soft tissues. Khirurgiia 33 (NIEA 10:6)
1. Iz Novosibirskoy oblastnoy bol'nitsy i Novsibirskogo gorodskogo onkologicheskogo dispansera.
(SARCOMA, surg. soft tissues, technic (Rus))

APPROVED FOR RELEASE: 08/09/2001

SHAPKIN, V. S., Cand Med Sci -- (diss) "Materials for the study of local anesthetization of organs of the thoracic cavity in operations." Irkutsk, 1958. 16 pp; (Irkutsk State Medical Inst); 250 copies; price not given; (KL, 17-60, 174)

APPROVED FOR RELEASE: 08/09/2001

SHAPKIN, V.S., kand.med.uauk (Krasnoyarsk, 37, ul. Michurina, d.8, kv.17) Technic of resection of the liver and operations in various injuries. Vest.khir. 83 no.10:62-68 0.159: (MIRA 13:2) 1. Iz khirurgicheskogo otdeleniya (zaveduyushchiy - V.S. Shapkin) bol'nitsy No.7 g. Krasnoyarska. (LIVER surgery)

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SHAPKIN, V.3., starshiy nauchnyy sotrudnik (Kirov (obl.), ul. Gaydara, d.6, kv.73)
Plastic surgery of the liver because of a demoid cyst using diaphragmatic flap with a pedicle. Klin.khir. no.9170 S '62. (MIRA 16:5)
1. Khirurgicheskaya klinika filiala Leningradskogo nauchno-issledovatel'skogo instituta perelivaniya krovi v g. Kirove. (LIVER-SURGERY) (CYSTS)

APPROVED FOR RELEASE: 08/09/2001

SHAPKIN, V.S., kand. med. nauk (Leningrad)

Tuberculosis of the liver and its surgical treatment. Klin. med. 40 no.12:51-56 D '62. (MIRA 17:2)

1. Iz khirurgicheskoy kliniki (rukovoditel' - doktor med. nauk N.S. Yepifanov) filiala Leningradskogo nauchnoissledovatel'skogo instituta perelivaniya krovi v Kirove.

APPROVED FOR RELEASE: 08/09/2001
APPROVED FOR RELEASE: 08/09/2001

SHAPKIN, V.S., kand. med. nauk

Anatomic hepatectomy, sectorectomy and segmental resection of the liver. Khirurgiia 39 no.8:72-79 Ag '63. (MIRA 17:6) l. Iz khirurgicheskoy kliniki filiala (direktor - zasluzhennyy vrach RSFSR N.V. Shestakov) Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo instituta perelivaniya krovi V Kirove.

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USSR/Nucle	ear	Physics C-2	-
Abs Jour	:	Referat Zhur - Fizika, No 5, 1957, 11016	
Author	:	Babykin, M.V., Plakhov, A.G., Skachkov, Yu.F., Shapkin, V.V.	
Inst	:	Not given	
Title	:	Plane-Parallel Spark Counters for the Measurement of Small Times.	-
Orig Pub	:	Atom. energiya, 1956, No 4, 38-45	
Abstract	:	Report on the results of a work on the improvement of the time characteristics of plane-parallel spark counters by reducing the gaps between the electrodes and using secti- onalized electrodes. A telescope consisting of two coun- ters, the construction of which is described, is used to measure the dispersion in the delay of the pulses from cosmic particles, passing through both sensitive volumes. Thanks to the use of semi-transparent electrodes on glass,	
Card 1/3			2

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USSR/Nuclear Physics	C-2	
Abs Jour : Ref Zhur - Fizika, No 5, 1957, 11016		
total pressure is 6 atmos, the slope of the counting characteristic does not exceed 4% in 100 volts. As a result of the greater pressure, the constructed counters have a considerable efficiency, in spite of the small distance between electrodes.		
Card 3/3		

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001548330003-4

36477 s/051/62/012/003/010/016 E202/E435 94,2120 Butslov, M.M., Plakhov, A.G., Shapkin, V.V. AUTHORS: High intensity electron-optical system for spectral TITLE: investigation of plasma PERIODICAL: Optika i spektroskopiya, v.12, no.3, 1962, 419-423 Electron-optical system consisting of a simple multistage TEXT: impulse converter employing electrostatic focusing and a quadripole magnetic lens was designed and tested using Hg spectrum. The reason for building the instrument was a projected study of low luminosity impulse plasmas which fail to be recorded in The general design represents a further ordinary instruments. development of a previously described design. The main advantage of this type of lens lies in the possibility of changing the scale of the electron image along two mutually perpendicular axes without impairing the quality of the picture. This was utilized by reducing the height of the spectral line giving good time resolution in continuous linear scanning, while widening the width of the line, i.e. increasing the dispersion of the system. The arrangement is shown diagrammatically (Fig.4). Card 1/2

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CIA-RDP86-00513R001548330003-4

ACCESSION NR: AP4020938

s/0051/64016/002/0329/0334

NUTHOR: Butslov, M. M; Plakhov, A.G.; Shapkin, V.V.; Yashin, N.M.

TITLE: Electron-optical recording of the radiation from weakly luminous pulsedischarge plasma

SOURCE: Optika i spektroskopiya, v.16, no.2, 1964, 329-334

TOBIC TAGS: plasma, plasma diagnostics, plasma spectroscopy, time-resolved study, plasma intensity distribution, line contour, faint plasma, weak plasma, helium plasma, helium(I), image intensifier, image converter, image translator, light amplifier

ABSTRACT: Conventional procedures for spectroscopic observation and diagnosis of weakly luminous short-lived (pulse-discharge) plasmas have a number of obvious shortcomings; even when employing fast photographic plates or sensitive photomultipliers it is generally necessary to record the radiation from several hundred discharges, in the course of which the conditions may change. Accordingly, recently several investigators have turned to the use of electron-optical image intensifiers (image converter tubes) with light amplification (V.F.Bolotin,Ye.K.Zavoysky, M.N. Oganov,G.Ye.Smolkin and A.R.Striganov, Izv.AN SSSR,Ser.fiz.27,986,1963; I.F.Bala-

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shov, M.P.Vanyukov, V.R.Muratov and Ye.V.Nilov, Opt.i.spektr.9,790,1960; Ibid.10, 540,1961). In the present paper there is described a procedure for recording the radiation from weakly luminous pulse-discharge plasmas, involving the use of an electron-optical image converter with a controlled PIM-3 input stage (M.M.Butslov, Sp.nauchn.fotografii,6,76,1959) and five light amplification stages. The electron image in the amplifying stages is focused by means of magnetic coils, similar to coils used in electron microscopes. The image scan in the input stage is realized by saw-toothed oscillators capable of providing 0.5, 1.5, 3, 6 or 12 millisec durations. The input stage sweep is driven and operates for the period of the scan. The sweep length on the screen of the converter is 30 mm. The image converter was tested in conjunction with a plasma device with helical fields. For spectroscopic measurements the tube was coupled to an ISP-51 spectrograph. Several time-resolved spectrograms of helium plasma are reproduced; in one figure a time-resolved section of the helium spectrum is compared with the spectrum photographed directly with an exposure of 200 pulse discharges. The image converter was also coupled to a Fabry-Perot interferometer for the purpose of obtaining time-resolved studies of individual line contours. This setup is diagramed. With the aid of the electron-optical image intensifier one can also obtain information on the spatial distribution in terms of selected monochromatic radiation in weakly luminous plasmas; this is rea-

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ACCESSION NR: AP5016137 UR/0048/65/029/006/0990/0993	
AUTHOR: Bursian, E.V.; Danilyuk, Yu.L.; Shapkin, V.V.	
TITLE: Electron paramagnetic resonance of barium titanate single	
Crystals containing color centers /Report, 4th All-Union Conference on Ferroelectricity held in Rostov-on-the-Don 12-18 Sept 1964/	
SOURCE: AN SSSR.Izvestiya. Ser.fizicheskaya,v.29, no.6, 1965, 990-993	
TOPIC TAGS: ferroelectric material, barium titanate, electron paramag- netic resonance, color center	
ABSTRACT: Electron paramagnetic resonance (EPR) spectra of barium titanate crystals, powders and ceramics were recorded over a wide range of temperatures that included the rhombohedral, tetragonal and cubic phases in order to determine the effect, if any, of color cen- ters on EPR in this material. Color centers were induced in the crys- tals by heating them in oxygen or alcohol vapor, or by passing an electric current through them. The observed EPR spectra are described	
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L 57565-65 ACCESSION NR: AP5016137 and discussed in some detail. The intensity of the line decreased and its shape became altered in the immediate vicinity of the Curie point. An attempt to detect an effect of ferroelectric polarization reversal on the EPR spectrum was not entirely successful because the alternating polarization reversing field led to excessive heating of the sample. The application of a dc electric field did not affect the EPR spectrum. No effect of color centers (at concentrations up to 1019 cm-3) on the EPR spectrum was found, even when the color centers were induced in the crystal by passage of an electric current while the EPR spectrum was being recorded. The observed spectra are ascribed to Fe impurities. It is concluded that neither the F nor the V centers are single-electron centers or centers of any odd order. In a note added in proof the authors report observing in reduced barium titanate powders a weak line similar to that observed by Z.Stroubek and K. Zdansky (Czechoslovakian Phys.Jour.B13,309,1963) and ascribed by them to F centers. This line was not observed in all samples and it is not certain that it is due to F centers. Orig.art.has: 3 figures. Card 2/3

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	L 11950-66 EWT(1)/ETC(F)/EPF(n)-2/EWG(m) LJP(c) AT ACC NR: AP6000740 SOURCE CODE: UR/0386/65/002/009/0426/0430	
	44,55 AUTHOR: Blinov, P. I.; Zakatov, L. P.; Plakhov, A. G.; Chikin, R. V.; Shapkin, V. V.	
j	ORG: none 80	
	TITLE: Influence of the mirror ratio on plasma heating by an electron beam in a $\frac{74}{3}$	
	SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 2, no. 9, 1965, 426-430	
	TOPIC TAGS: magnetic mirror machine, plasma interaction, plasma heating, ionized plasma, plasma electron temperature, electron gun, plasma injection	
	ABSTRACT: The authors investigated the interaction between an electron beam and a $\mu_{\mu_{1}}$ ready-made highly ionized plasma. The apparatus (Fig. 1) comprises a trap with mag^{-55} netic mirrors. The electron gun is located on the trap axis behind the mirrors on	
	one end, and the plasma injector is located on the other end. The electron gun oper- ates in a pulsed mode. The square-wave voltage pulse is of 450 µsec duration and 9 kv amplitude, the pulse current being 5 a. The plasma and the electron beam are injected	
	into the trap simultaneously. (The residual pressure in the chamber is 10^{-6} mm Hg. The electron density was measured with a microwave interferometer ($\lambda = 3$ cm). The quantity nT (T = plasma temperature) was determined from the diamagnetic effect. The brems-	
-	strahlung was registered by photomultiplier with NaI(T1) crystal. When the plasma and the electron beam are simultaneously injected in the plasma, the concentration does not rise, but the energy released by the plasma increases strongly. The presence of	
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L 21556-66 EWT(1)/EWG(m)/EPF(n)-2 IJP(c) AT ACC NR: AP6008752 SOURCE CODE: UR/0386/66/003/006/0255/0258 AUTHOR: Elinov, P. I.; Zakatov, L. P.; Flakhov, A. G.; Chikin, R. V.; Ehapkin, V. V. ORG: Institute of Atomic Energy im. I. V. Kurchatov (Institut atomnoy energii) <i>ii</i> / TITLE: Influence of magnetic-field configuration on the heating and containment of β a plasma in a mirror trap (Probkotron) SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 3, no. 6, 1966, 255-258 TOFIC TAGS: magnetic mirror, plasma containment, plasma heating, magnetic trap, plasma radiation, Brathesen shothow due ABSTRACT: This is a continuation of earlier experiments on heating of a plasma by an electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), almed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), almed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), almed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), almed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), almed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), almed at showing the stallation, which made it possible to operate with two different configurations of the magnetic field (Fig. 1). The mirror ratio and the field in the center remained un- magnetic field (Fig. 1). The mirror ratio and the field in the center remained un- ehanged in both cases. The plasma initial density was 10 ¹² cm ⁻³ . A pulsed beam of electrons with current strength 1 a, energy 10 kv, and duration 500 µsec was injected into this plasma. The heating and decay of the plasma were investigated by measuring the time variation of the energy content (nT) and of the density n. On going over from a field configurat		
ACC NR: AF6006752 AUTHOR: <u>Blinov, F. I.; Zakatov, L. P.; Plakhov, A. G.; Chikin, R. V.; Shapkin, V. V.</u> ORG: <u>Institute of Atomic Energy im. I. V. Kurchatov (Institut atomnoy energii)</u> <i>i44</i> TITLE: Influence of <u>magnetic-field</u> <u>configuration</u> on the heating and containment of <i>B</i> a plasma in a <u>mirror trap</u> (Probkotron) SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 3, no. 6, 1966, 255-258 TOFIC TAGS: magnetic mirror, plasma containment, plasma heating, magnetic trap, plasma radiation, <u>Brahkotsen</u> gloctor deare ABSTRACT: This is a continuation of earlier experiments on heating of a plasma by an electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that telectron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that heating and containment of the plasma depend strongly on the distribution of the mag- heating in both cases. The experiment was carried out with the earlier in- magnetic field (Fig. 1). The mirror ratio and the field in the center remained um- changed in both cases. The plasma initial density was 10 ¹² cm ⁻³ . A pulsed beam of electrons with current strength 1 a, energy 10 kv, and duration 500 µsec was injected into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring into this pla		+
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TITLE: Influence of magnetic-field configuration on the neating the contrast a plasma in a mirror trap (Probkotron) SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 3, no. 6, 1966, 255-258 TOPIC TAGS: magnetic mirror, plasma containment, plasma heating, magnetic trap, plasma radiation, Prahlation alector bean ABSTRACT: This is a continuation of earlier experiments on heating of a plasma by an electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that heating and containment of the plasma depend strongly on the distribution of the mag- netic field along the trap axis. The experiment was carried out with the earlier in- netic field along the trap axis. The experiment was lo ¹² cm ⁻³ . A pulsed beam of changed in both cases. The plasma initial density was 10 ¹² cm ⁻³ . A pulsed beam of electrons with current strength 1 a, energy 10 kv, and duration 500 µsec was injected into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring into the configuration with local mirrors (a) to a configuration with extended from a field configuration with local mirrors (a) to a configuration with extended		
a plasma in a <u>mirror trap (Fronkotron)</u> SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 3, no. 6, 1966, 255-258 TOPIC TAGS: magnetic mirror, plasma containment, plasma heating, magnetic trap, plasma radiation, <u>Brahmatseen alectoon bean</u> ABSTRACT: This is a continuation of earlier experiments on heating of a plasma by an electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that netic field along the trap axis. The experiment was carried out with the earlier in- netic field along the trap axis. The experiment was carried out with the earlier in- magnetic field (Fig. 1). The mirror ratio and the field in the center remained un- magnetic field (Fig. 1). The mirror ratio and the field in the center remained un- magnetic field (Fig. 1). The mirror ratio and the field in the center remained un- changed in both cases. The plasma initial density was 10 ¹² cm ⁻³ . A pulsed beam of electrons with current strength 1 a, energy 10 kv, and duration 500 µsec was injected into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring into this configuration of the energy content (nT) and of the density n. On going over the time variation of the energy content (nT) and of the density n. On going over from a field configuration with local mirrors (a) to a configuration with extended from a field configuration with local mirrors (a) to a configuration with extended mirrors (b) the maximum value of nT increases by a factor 1.5. The	ORG: Institute of Atomic Energy Im. 1. V. Autenator (
Prilozheniye, v. 3, no. 6, 1966, 259-256 TOPIC TAGS: magnetic mirror, plasma containment, plasma heating, magnetic trap, plasma radiation, <u>Prehentron</u> electron beam ABSTRACT: This is a continuation of earlier experiments on heating of a plasma by an electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that heating and containment of the plasma depend strongly on the distribution of the mag- heating and containment of the plasma depend strongly on the distribution of the mag- netic field along the trap axis. The experiment was carried out with the earlier in- netic field (Fig. 1). The mirror ratio and the field in the center remained un- magnetic field (Fig. 1). The mirror ratio and the field in the center remained un- changed in both cases. The plasma initial density was 10 ¹² cm ⁻³ . A pulsed beam of electrons with current strength 1 a, energy 10 kv, and duration 500 µsec was injected into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring the time variation of the energy content (nT) and of the density n. On going over the time variation with local mirrors (a) to a configuration with extended from a field configuration with local mirrors (a) to a configuration with extended mirrors (b) the maximum value of nT increases by a factor 1.5. The value of nT of the		· · ·
TOPIC TAGS: magnetic mirror, plasma containment, plasma heating, magnetic every plasma radiation, Prehiotiven electron beam ABSTRACT: This is a continuation of earlier experiments on heating of a plasma by an electron beam in a mirror trap (ZhETF Pis'ma v. 2, 426, 1965), aimed at showing that heating and containment of the plasma depend strongly on the distribution of the mag- netic field along the trap axis. The experiment was carried out with the earlier in- netic field along the trap axis. The experiment was carried out with the earlier in- magnetic field (Fig. 1). The mirror ratio and the field in the center remained un- magnetic field (Fig. 1). The mirror ratio and the field in the center remained un- changed in both cases. The plasma initial density was 10 ¹² cm ⁻³ . A pulsed beam of electrons with current strength 1 a, energy 10 kv, and duration 500 µsec was injected into this plasma. The heating and decay of the plasma were investigated by measuring into this plasma. The heating and decay of the plasma were investigated by measuring the time variation of the energy content (nT) and of the density n. On going over the time variation with local mirrors (a) to a configuration with extended from a field configuration with local mirrors (b) the maximum value of nT increases by a factor 1.5. The value of nT of the mirrors (b) the maximum value of nT increases by a factor 1.5.	$D_{1} = 1 = 10$	
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SHAPKIN, Ye.I., agronom po zashchite resteniy mashinno-traktornoy stantsii.

Reconstruction of the OKP-15 spraying and dusting machine. Zashch. rast. ot vred. i bol. 3 no.1:24 Ja-F '58. (MIRA 11:3) (Spraying and dusting equipment)

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GUSEL'TSEV, B.S.; SHAPKIN, Ye,I., agronom po zashchite rastneiy.
An-2 airplane in the protection of sugar beets. Zashch.rast.ot vred. i bol. 3 no.2:10-12 Mr-Ap '58. (MIRA 11:4)
1. Direktor Kiseleyskoy mashinno-traktornoy stantsii, Shpolyanskiiy rayon, Charkasskoy oblasti (for Gusel'tser). (Aeronautics in agriculture) (Sugar beets-Diseases and pests)

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SHAPKIN, Yu.A.

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Clinical aspects and the course of epileptiform syndromes Clinical aspects and the course of epileptiloin synthesis (diencephalic variant) of posttraumatic origin and their forensic psychiatric evaluation. Probl.sud.psikh. 11:64-(MIRA 16:3) 80 '61. (FORENSIC PSYCHIATRY) (EPILEPSY)

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CIA-RDP86-00513R001548330003-4"

14-57-7-15379 Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7, p 183 (USSR)

AUTHOR: Shapkin, Yu. D.

TITLE: Distribution of Viniculture in Turkmen SSR (K voprosu o razmeshchenii vinogradarstva v Turkmenistane)

PERIODICAL: Izv. AN TurkmSSR, 1956, Nr 3, pp 57-61

ABSTRACT: Turkmen SSR is an area with a great potential for the widespread development of viniculture. In the main grape-growing region of the republic--the Ashkhabad Oblast--the climate is such that grapes can be grown without any need for winter covering when irrigation is applied for the purpose of storing moisture. This circumstance reduces work expended, permits a more equitable distribution of labor during winter months, and also cuts down on the amount of irrigation water needed during summer (a very important matter in

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Distribution of Viniculture in Turkmen SSR (Cont.)

growing area of the Turkmen SSR was more than doubled. Even with this increase in the number of vineyards viniculture represents a small part of agriculture. At the present stage of its development it cannot meet local demands, much less provide crops for export. According to data on vineyards in 1953, their total area (including single plants) in the Turkmen SSR was distributed as follows: collective farms-77.4 percent, state farms-15 percent, personal plots of collective farmers-5.7 percent. The Ashkhabad Oblast contained 64.9 percent of the total vineyard area, the Mary Oblast 19 percent, and the Chardzhou Oblast 12.4 percent. Among the state enterprises, the bulk of the land under grapes is concentrated in three specialized state farms operated by the Turkmensadvintrest. The Sandykachi State Farm has 320 hectares, the Karabekaul has 188 hectares, and the Geok Tepe has 142 hectares. The absence of such state farms in the Tashauz Oblast may be partly explained by the fact that this area was not on the railroad until recently. Most of the vineyards owned by the collective farmers are in the Ashkhabad and Mary Oblasts.

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TEY	· USER Bauntus Nuts, Tea.
CATEGORY	Cultivated Plants. Fruits. Derries. Matt. Louis
AB3. JOUR.	: RZhEicl., No. 4, 1959, No. 15833
11.113	Lieghin, Yu.D.
TITLE	The Variety Composition of Grape Pientations in Turkmenia and Ways to Improve It.
ORIO. PUE.	Izv Turknosk, 1958, No.1, 37-43 industrial vineyard grapes
ACCINACT	The assortment of industrial vincjuit of further in Turkmenia is listed and ways for further improvement indicated. Brief characteristics are given of the main sorts of Turkmenian grapes (Terbash, Kara-Uzyum Ashkhabadshiy, Kizyl, Sapak, (Terbash, Kara-Uzyum Ashkhabadshiy, Kizyl, Sapak, group of khalili variety). Noted is the group of khalili variety). Noted is the insufficient spread of the seedless grape varie- ties and also of the early and very late vari- ties, which limits the period of consumption of fresh grapes. Enlargement of the assortment is pecommended by reproduction and putting into
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YELYAKOV, G.B.; STRIGINA, L.I.; SHAPKINA, E.V.

Panaxgenins A and B, products of the advanced hydrolysis of ginseng glycosides. Soob. DVFAN SSSR no.17:17-21 '63. (MIRA 17:9)

1. Dal'nevostochnyy filial im. V.L. Komarova Sibirskigo otdeleniya AN SSSR.

APPROVED FOR RELEASE: 08/09/2001

LEONOV, V.N.; SHAPKINA, E.V.; ANANCHENKO, S.N.; TORGOV, I.V.

2011年3月

Configuration of epimeric d, 1-17a-alky1-19-nor-D-hometestesterones. Izv.AN SSSR.Ser.khim. no.2:375-377 F '64. (MIRA 17:3)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

APPROVED FOR RELEASE: 08/09/2001



APPROVED FOR RELEASE: 08/09/2001

NOSTOSLAVUKIY, M.A.; IZMAIL'SKIY, V.A.; SHAPKINA, M.M. Absorption spectra of 3-keto-2,3-dihydrothionaphthene and its derivatives. Part 4: Effect of solvents on the value of the solvatochromic shift of the absorption maximum. Zhur.ob.khim. 32 no.6:1746-1755 Je '62. (MIRA 15:6) 1. Laboratoriya khimii krasiteley i problemy tsvetnosti pri Moskovskom pedagogicheskom institute im. Lenina, Rubezhanskiy filial instituta orga:icheskikh poluproduktov i krasiteley. (Benzothiophene--Spectra) (Solvents)

APPROVED FOR RELEASE: 08/09/2001

MOSTOSLAVSKIY, M.A.; IZMAIL'SKIY, V.A.; SHAFKINA, M.M. Effect of solvents on the process of photochemical and thermal cis-trans-isomerization of perinaphththioindigo. Zhur.VKHO 7 no.1:108-109 '62. (MIRA 15:3) 1. Laboratoriya krasiteley i problemy tsvetnosti pri Moskovskom pedagogicheskom institute imeni V.I.Lenina i Rubezhanskiy filial Gosudarstvennogo nauchno-issledovatel'skogo instituta organicheskikh poluproduktov i krasiteley. (Indigo) (Isomerization) (Solvents)

APPROVED FOR RELEASE: 08/09/2001







APPROVED FOR RELEASE: 08/09/2001



APPROVED FOR RELEASE: 08/09/2001

SHAPKINA, T. A.

A LOCAL MARK

- SHAPKINA, T. A. "The effect of light intensity on the development and seed productivity of red clover". Leningrad, 1955. Min Higher Education USSR. Leningrad Agricultural Inst. (Dissertation for the Degree of Candidate of Biological Sciences).
- S3: <u>Enizhnaya Letcois</u>' No. 46, 12 November 1955. Moscow

APPROVED FOR RELEASE: 08/09/2001

15日本部語 日本

FAYERMAN, I. S.; BONGARD, E. M.; ZHALNINA, L. V.; SHAPKINA, T. C.; SOINA, A. Ya. (Gor'kiy i Volgograd)

Some characteristics of the clinical course of acute mercaptophos intoxication. Gig. truda i prof. zab. no.12:45-47 [61.] (MIRA 14:12)

1. Gor'kovskiy institut gigiyeny truda i profbolezney, Volgogradskaya bol'nitsa No. 13.

> (POISONING) (MERCAPTOPHOS ... TOXICOLOGY)

APPROVED FOR RELEASE: 08/09/2001


*APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001548330003-4 SHAPKINA, V. F. Card Sci -- (diss) " Forecast of water temperature in the areas of Kurosiwo, Tsushima, and Primorskoye streams." Mos, 1959. 9 pp (Main Administration of the Hydrometeorologiaal Service under the Council of Ministers USSR. Central Inst of Forecasts), 180 copies (KL, 52-59, 117)

APPROVED FOR RELEASE: 08/09/2001

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	SOV/50-59-6-9/17	
3(7) AUTHOR:	Shapkina, V. F. Long-period Forecast of the Water Temperature in the Japan Long-period Forecast of the Water Temperatury vody v Yaponskom more)	
TITLE:	Long-period Forecast of the Water Temperature in the our Sea (Dolgosrochnyy prognoz temperatury vody v Yaponskom more) Meteorologiya i gidrologiya, 1959, Nr 6, pp 34 - 38 (USSR)	
PERIODICAL:	Meteorologiya i gidrologiya, the finding of the Aim of the present investigation was the finding for the and the forecasts in	
ABS'TRACT:	Aim of the present investigation was the finding of the relationship for long-period water-temperature forecasts in the Japan Sea. For this purpose the data of the Japanese deep-sea observations made between 1928 and 1939 were used. Six standard cross sections were selected in the Japan Sea. The observation data at these cross sections were taken from the annual registers and then dealt with by Yu. V. Istoshin. the annual registers and then dealt with by Yu. V. Istoshin. In addition to this two cross sections were taken East of In addition to this two cross sections were taken be japan in the Pacific. The analysis of the data shows that in the 25-200 m layer the water temperature anomalies occur in the 25-200 m layer the water temperature anomalies occur servations of the water temperature in the Japan Sea show that the intensity of cooling-down plays an important role in winter also in this part. Many authors (Refs 4,5) found	
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Long-period Forecast of the Water Temperature in the SOV/50-59-6-9/17 Japan Sea

that the variations of the water temperature in the Japan Sea and in the north-western part of the Pacific are every year to a considerable extent due to the variations of the Siberian anticyclone, the Aleutian minimum and the Pacific pressure maximum. In order to be able to consider the effect of these processes the fields of the anomalies of the cycloneand anticyclone activity were investigated over the regions of Siberia, Far East and the north-western Pacific. In order to be able to determine the quantitative relations between water temperature anomalies and these fields it was necessary to express these fields by means of series the coefficients of which may be introduced into the forecasting equations. The polynomials C Chebyshev (Ref 1) were used for the analytical representation of the fields. These computations and the equations obtained are given here. On the basis of investigations it was possible to determine the following: 1) The water temperature anomalies in the regions of the Kuro Shio, the Tsushima- and the coastland current (Primorskoye techeniye) are the result of the total effect in

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Long-period Forecast of the Water Temperature in the S0V/50-59-6-9/17 Japan Sea

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connection with the change of the heat balance of the surface of the sea and the oscillations in the system of the currents themselves. 2) The variability of the currents and the migration of their axos are determined by the atmospheric processes just like the fluctuations of the heat supply on the water-surface. Therefore, a relation exists between the water-temperature anomalies in the mentioned regions and the baric fields over East Siberia, Far East and the North-western Pacific. 3) The equations obtained on the basis of these relations permit a forecast of the water-temperature during the whole year. There are 1 figure, 4 tables, and 5 references, 3 of which are Soviet.

Card 3/3

APPROVED FOR RELEASE: 08/09/2001

3 (9) AUTHOR:	Shapkina, V. F.	SOV/50-59-9-13/16	
TITLE:	A. M. Murcatsev. Ocean. Gidrometec	Fundamentals of Hydrology of the Pacific izdat. Leningrad, 1958	
PERIODICAL:	Meteorologiya i g	idrologiya, 1959, Nr 9, pp 50 - 53 (USSR)	
ABSTRACT :	describes the sta and evaluates the tions. The applied servations of fro tables for the me ture, salt conter degree square. In ditions of the of tent, a detailed Ocean and a tot	wiew. In the first 2 chapters, the author até of investigation of the Pacific Osean, a data obtained from observations of expedi- collected and evaluated the deep-water ob- om 1804 to 1955. Accordingly, she compiled ean-, maximum- and minimum values of tempera- nt density and oxygen.content for every ter in the other 6 chapters, the temperature con- classification of the waters of the Pacific tal circulation scheme are put forward. Some representation, stylistic mistakes, etc are	
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APPROVED FOR RELEASE: 08/09/2001

VAPNYAR, D.U.; SHAPKINA, V.F.

Calculation of the elements of internal tidal waves and related periodic variations of the water temperature. Okeanologiia 3 no.5:814-823 '63. (MIRA 16:11)

1. Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskiy institut.

APPROVED FOR RELEASE: 08/09/2001

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SHAPKINA, V.F.

的现在分词

Turbulent mixing of waters in the case of tidal currents. Izv. AN SSSR. Ser. geofiz. no.8:1223-1231 Ag 164

1. Morskoy gidrofizicheskiy institut AN SSSR.







5 B

	135-7-14/16
-14/4-1-1	$(1/2 - \sqrt{1/2})$
SUBJECT:	USSR/Welding and Shapkina, V.M., Enginner.
AUTHORS:	USSR/Welding Meyyer, A.V., Engineer, and Shapkina, V.M., Enginner. Device for Automatic Welding Longitudinal Seams on Thin-Wall Diverse (Ustanovka dlya prodol'noy avtomaticheskoy svarki tonko- pipes. (Ustanovka dlya prodol'noy avtomaticheskoy svarki tonko-
TITLE:	
PERIODICAL:	"Svarochnoye Proizvodstvo", 1997, " " It into service at the
ABSTRACT :	Kalinin in diameter, 10001;00 wilding tractor free average and the source of the works with the wilding tractor free arc-welding under flux. The device consists of a frame composed of U-iron, with a top- plate carrying the tracks for the welding tractor. All mechani- relements of the device are mounted on this frame. The pipe cal elements of the device are mounted on this frame, frame, the welded is hung on a round copper bar inside the frame, the rear end of which is rigidly fastened. The upper portion of the bar serves as a cooled support for the welding seam. Four the bar serves on each side of the bar hold the ends of the pneumatic clamps on each side of the bar hold the ends of the
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AFONIN, I. P., GAVRILOV, U. I., ZAVOISKIY, YS. K.; KARMANOV, F. V.; MAKSIMOV, G. P.; FLARHOV, A. G.; CHEREMNYKH, P. A.; SHAPKIN, V. V.

The experimental plasma apparatus C-1 with screw magnetic fields. Atom. energ. 14 no.2:143-150 F '63. (MIRA 16:1)

(Plasma(Ionized gases)) (Magnetic fields)

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IEBEDLV, V.I.; NAGAYTSEV, Yu.V.; FOTOTSKAYA, V.Ye.; FRUDNIKOV, Ie.D.; SHAPEINA, Yu.S.; YUROVA, G.M.

Materials on the study of the mineralogy of metamorphic rocks in the northwestern part of the Lake Ladoga region. Min. i geokhim. no.1:131-156 464. (MIRA 18:9)

APPROVED FOR RELEASE: 08/09/2001

5(4) AUTHORS:	SOV/54-59-2-14/24 Lilich, L. S., Shapkina, Yu. S.
TITLE:	Vapor Pressure Over the Systems: MeCl ₂ -HCl-H ₂ O. The Systems:
	MgCl ₂ -HCl-H ₂ O; SrCl ₂ -HCl-H ₂ O; HgCl ₂ -HCl-H ₂ O (Davleniye para
	nad sistemami: MeCl ₂ -HCl-H ₂ O. Sistemy: MgCl ₂ -HCl-H ₂ O;
	SrCl ₂ -HCl-H ₂ 0; HgCl ₂ -HCl-H ₂ 0)
PERIODICAL:	Vestnik Leningradskogo universiteta. Seriya fiziki i khimii, 1959, Nr 2, pp 93-99 (USSR)
ABSTRACT :	As an extension to the investigations of ternary systems of the type mentioned in the title, the change of the chemical potential of the volatile components over these systems (the change of this potential is in connection with the periodical law) was systematically investigated. In this paper, the systems containing bivalent cations of the metals of the 2nd group of the periodic system were considered. The elements Mg, Sr, and Hg were chosen (other elements of this group had already been investigated in previous papers, Refs 1,2,3) because Mg is typical for this group, Sr belongs to the prin-

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SOV/54-59-2-14/24 Vapor Pressure Over the Systems: MeCl₂-HCl-H₂O. The Systems: MgCl₂-HCl-H₂O; SrCl₂-HCl-H₂O; HgCl₂-HCl-H₂O

cipal subgroup, and Hg to the secondary subgroup. The working method, the computation methods and the measuring accuracy are the same as in the mentioned papers. In the analysis, Mg⁺⁺ was determined by trilon "B" with the indicator "eriochrome black" (Ref 4), Sr⁺⁺ by precipitation from alcoholic solutions with sulphuric acid, and Hg⁺⁺ by indirect filtration by means of NH₄CNS (Ref 6), and the oxygen was determined potentiometrically. The partial pressures of the volatile components (H₂O and HCl) over the solution at 25° were determined for the investigations indicated. The total results of the investigations are represented in tables 1-3 and in figures 1-8. The representation of the isothermals/isobars for a number of pressures shows: The isothermals/isobars of the systems MgCl₂-HCl-H₂O and SrCl₂-HCl-H₂O are completely straight, whereas the iso-thermals/isobars of the system HgCl₂-HCl-H₂O differ from those of the other two systems in shape and position. On the basis

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SOV/54-59-2-14/24 Vapor Pressure Over the Systems: MeCl₂-HCl-H₂O. The Systems: MgCl₂-HCl-H₂O; SrCl₂-HCl-H₂O; HgCl₂-HCl-H₂O

> of the available experimental material, and of materials from previous papers (Refs 1-3), it could be ascertained that there are two types of isothermals/isobars: one type is characteristic of systems in which there are no complex-forming ions, the other one of systems with a marked complex formation. In systems containing no complex-forming ions, the vapor pressure of the water over the ternary system is determined by the properties of two two-component systems which are formed in them (e.g. for the three-component system MgHCl₂-HCl-H₂0, the

two two-component systems HCl-H₂O and MgCl₂H₂O). This fact is characteristic of the elements of the principal subgroup of the periodic system. It had already been ascertained by several authors (Zdanovskiy, Ref 7, and L. Ezrokhi, Ref 8). The complex-forming ions, present in the solution, show a tendency of forming complexes with the Cl-ions, and thus they weaken the hydrate envelope around the metal ion; they have a "salting" effect on HCl and a "desalting" effect on water. The inverse circumstances apply to the ions which do not form

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APPROVED FOR RELEASE: 08/09/2001

SOV/54-59-2-14/24 Vapor Pressure Over the Systems: MeCl₂-HCl-H₂O. The Systems:MgCl₂-HCl-H₂O; SrCl₂-HCl-H₂O; HgCl₂-HCl-H₂O complexes. There are 8 figures, 3 tables, and 9 references, 8 of which are Soviet.SUBMITTED: June 29, 1958

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001548330003-4"

LILICH, L.S.; SHAPKINA, Yu.S.

Vapor pressures over the MeCl₂ - HCl - H_2^0 systems. Systems: Systems: MgCl₂ - HCl - H_2^0 ; SrCl₂ - HCl - H_2^0 ; HgCl₂ - HCl - H_2^0 . Vest.LGU 14 no.10:93-99 '59. (MIRA 12:6) (Systems (Chemistry) (Vapor pressure)

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USSR/Corro	osid	on - Protection From Corrosion J.
Abs Jour	:	Referat Zhur - Knimiya, No 9, 1957, 33162
Author Inst	:	Cherkasov, N.Kh., Shapko, T.S., Shiroglazova, M.A.
Title	:	Corrosion of Primary Gas Concensers
Orig Pub	:	Koks i khimiya, 1956, No 5, 45-48
Abstract	:	The causes have been determined of the corrosion of prima- ry gas condensers at the Nizhne-Tagilsk coking plant. To controi the corrosion it is proposed to treat the water with water glass.
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	ACC NR: AP5026764 SOURCE CODE: UR/0286/65/000/017/0044/0044	ן ן	,	•	~
	INVENTOR: Dzhemilev, R. A.; Dolgirev, Ye. I.; Lyubavin, Yu. P.; Meyyer, V. A.;				
	Nakhabtsev, V. S.; Ochkur, A. P.; Shapkov, G. G.				
	TITLE: Pickup for a radiometric x-ray analyzer. ¹² Class 21, No. 174285 [announced by				
	Special Design Office of the State Geological Committee SSSR (Osoboye konstruktor- skoye byuro Gosudarstvennogo geologicheskogo komiteta SSSR); Leningrad State Univer-				
	1. Sity (Voculing addskiy gosudrastvennyv universitet); and All-Ibion Colortists Dessent 47	55			
-	Institute of Exploratory Geophysics (Vsesoyuznyy nauchno-issledovatel'skiy institut / razvedochnoy geofiziki)] 44.55	-			
					-
	SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 44				
	TOPIC TAGS: x ray analysis, x ray equipment, <u>radiometry</u>				
ĺ	ABSTRACT: This Author's Certificate introduces a pickup for a radiometric x-ray				
	analyzer. The unit consists of a housing and a lead shield with collimation channels at an angle. A primary gamma source and x-ray detector are located in these chan-				
	incis. A-radiation is recorded in one and rock denosity under natural conditions			-	
	through a window in the housing made of a material with a low atomic number located at the vertex of the angle formed by the collimation channels.	_			
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L 23800-66 EWT(m)/EWP(t) IJP(c) JD/JG ACC NR: AP6007251 (A) UR/0363/66/002/002/0275/0280 AUTHOR: Komissarova, L.N.; Po rovskiy, V.I.; Shaplygin, I.S. 26 ORG: Moscow State University im. M.V. Lomonosov, Department of Chemistry (Mosfovskiy gosudarstvennyy universitet, Khimicheskiy fakul'tet) TITLE: Reaction of manganese and scandium oxides in air 77 27 TOPIC TAGS: manganese compound, scandium compound, chemical reaction SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v.2, no.2, 1966, 275-280 ABSTRACT: A table shows the composition of the samples investigated, the calchning temperature, and the calchning time. The mole & content of scandium oxide in the samples varied from 0 to 100%, the calchning temp- erature from 700 to 1100°C, and the calchning time from 2 to 100 hours. The starting samples were prepared by precipitation of scandium and mang- anese hydroxides by a mixture of NH40H + H202 from nitric acid solutions. The samples were calcined in a platinum boat at 700-1500°0 and then quenched in liquid nitrogen. An X-ray analysis was made of the samples. An <u>MTR-627</u> unit was used for thermal analysis. The magnetic susceptibili- ty was determined by the Faraday method. The article gives a phase dia- gram of the system, constructed from the experimental data. The work Card 1/2 UDC: 546'713-31 + 546.631-31	
ACC NR: AP6007251 (A) UR/0363/66/002/002/0275/0280 AUTHOR: Komissarova, L.N.; Po rovskiy, V.I.; Shaplygin, I.S. ORG: Moscow State University im. M.V. Lomonosov, Department of Chemistry (MosKovskiy gosudarstvennyy universitet, Khimicheskiy fakul'tet) TITLE: Reaction of manganese and scandium orides in air TOPIC TAGS: manganese compound, scandium compound, chemical reaction SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v.2, no.2, 1966, 275-280 ABSTRACT: A table shows the composition of the samples investigated, the calcining temperature, and the calcining time. The mole % content of scandium oride in the samples varied from 0 to 100%, the calcining temp- erature from 700 to 1100°C, and the calcining time from 2 to 100 hours. The starting samples were prepared by precipitation of scandium and mang- anese hydroxides by a mixture of NH40H + H202 from nitric acid solutions. The samples were calcined in a platinum boat at 700-1500°C and then quenched in liquid nitrogen. An X-ray analysis was made of the samples. An <u>NTR-62P</u> unit was used for thermal analysis. The magnetic susceptibili- ty was determined by the Faraday method. The article gives a phase dia- gram of the system, constructed from the experimental data. The work	
ACC NR: AP6007251 (A) UR/0363/66/002/002/0275/0280 AUTHOR: Komissarova, L.N.; Po rovskiy, V.I.; Shaplygin, I.S. ORG: Moscow State University im. M.V. Lomonosov, Department of Chemistry (MosKovskiy gosudarstvennyy universitet, Khimicheskiy fakul'tet) TITLE: Reaction of manganese and scandium orides in air TOPIC TAGS: manganese compound, scandium compound, chemical reaction SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v.2, no.2, 1966, 275-280 ABSTRACT: A table shows the composition of the samples investigated, the calcining temperature, and the calcining time. The mole % content of scandium oride in the samples varied from 0 to 100%, the calcining temp- erature from 700 to 1100°C, and the calcining time from 2 to 100 hours. The starting samples were prepared by precipitation of scandium and mang- anese hydroxides by a mixture of NH40H + H202 from nitric acid solutions. The samples were calcined in a platinum boat at 700-1500°C and then quenched in liquid nitrogen. An X-ray analysis was made of the samples. An <u>NTR-62P</u> unit was used for thermal analysis. The magnetic susceptibili- ty was determined by the Faraday method. The article gives a phase dia- gram of the system, constructed from the experimental data. The work	L 23800-66 EWT(m)/EWP(t) IJP(c) JD/JG
AUTHOR: Komissarova, L.N.; Po rovskiy, V.I.; Shaplygin, I.S. ORG: Moscow State University im. M.V. Lomonosov, Department of Chemistry (Moskovskiy gosudarstvennyy universitet, Khimicheskiy fakul'tet) TITLE: Reaction of manganese and scandium oxides in air TOPIC TAGS: manganese compound, scandium compound, chemical reaction SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v.2, no.2, 1966, 275-280 ABSTRACT: A table shows the composition of the samples investigated, the calcining temperature, and the calcining time. The mole % content of scandium oxide in the samples varied from 0 to 100%, the calcining temp- erature from 700 to 1100°C, and the calcining time from 2 to 100 hours. The starting samples were prepared by precipitation of scandium and mang- anese hydroxides by a mixture of NH40H + H202 from nitric acid solutions. The samples were calcined in a platinum boat at 700-1500°O and then quenched in liquid nitrogen. An X-ray analysis was made of the samples. An <u>NTR-627</u> unit was used for thermal analysis. The magnetic susceptibili- ty was determined by the Faraday method. The article gives a phase dia- gram of the system, constructed from the experimental data. The work	
ORG: Moscow State University im. M.V. Lomonosov, Department of Chemistry (Moskovskiy gosudarstvennyy universitet, Khimicheskiy fakul'tet) TITLE: Reaction of manganese and scandium orides in air TOPIC TAGS: manganese compound, scandium compound, chemical reaction SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v.2, no.2, 1966, 275-280 ABSTRACT: A table shows the composition of the samples investigated, the calcining temperature, and the calcining time. The mole % content of scandium oxide in the samples varied from 0 to 100%, the calcining temp- erature from 700 to 1100°C, and the calcining time from 2 to 100 hours. The starting samples were prepared by precipitation of scandium and mang- anese hydroxides by a mixture of NH4OH + H2O2 from nitric acid solutions. The samples were calcined in a platinum boat at 700-1500°C and then quenched in liquid nitrogen. An X-ray analysis was made of the samples. An <u>NTR-62</u> unit was used for thermal analysis. The magnetic susceptibili- ty was determined by the Faraday method. The article gives a phase dia- gram of the system, constructed from the experimental data. The work	
(Moskovskiy gosudarstvennyy universitet, Khimicheskiy fakul'tet) TITLE: Reaction of manganese and scandium oxides in air TOPIC TAGS: manganese compound, scandium compound, chemical reaction SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v.2, no.2, 1966, 275-280 ABSTRACT: A table shows the composition of the samples investigated, the calcining temperature, and the calcining time. The mole $%$ content of scandium oxide in the samples varied from 0 to 100%, the calcining temp- erature from 700 to 1100°C, and the calcining time from 2 to 100 hours. The starting samples were prepared by precipitation of scandium and mang- anese hydroxides by a mixture of NH40H + H202 from nitric acid solutions. The samples were calcined in a platinum boat at 700-1500°C and then quenched in liquid nitrogen. An X-ray analysis was made of the samples. An <u>NTR-62F</u> unit was used for thermal analysis. The magnetic susceptibili- ty was determined by the Faraday method. The article gives a phase dia- gram of the system, constructed from the experimental data. The work	AUTHOR: Komissarova, L.N.; Po rovskiy, V.I.; Shaplygin, I.S.
(Moskovskiy gosudarstvennyy universitet, Khimicheskiy fakul'tet) TITLE: Reaction of manganese and scandium oxides in air TOPIC TAGS: manganese compound, scandium compound, chemical reaction SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v.2, no.2, 1966, 275-280 ABSTRACT: A table shows the composition of the samples investigated, the calcining temperature, and the calcining time. The mole $%$ content of scandium oxide in the samples varied from 0 to 100%, the calcining temp- erature from 700 to 1100°C, and the calcining time from 2 to 100 hours. The starting samples were prepared by precipitation of scandium and mang- anese hydroxides by a mixture of NH40H + H202 from nitric acid solutions. The samples were calcined in a platinum boat at 700-1500°C and then quenched in liquid nitrogen. An X-ray analysis was made of the samples. An <u>NTR-62F</u> unit was used for thermal analysis. The magnetic susceptibili- ty was determined by the Faraday method. The article gives a phase dia- gram of the system, constructed from the experimental data. The work	OPC + Magaon State Undergraden der M. H. Tenenssen Desertment of Charletter
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