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BELIKOVA-ALDAKOVA, V.Dl; DODONOV, V.N.; ZHERIKOVA, A.D.; ZHOGOVA, M.A.; KLIMENKO, Te.P.; LEVTOVA, K.Z.; MITROFANOVA, Te.B.; PANTELETEVA, T.B.; SOLOV'YEVA, N.A.
Results of smallpox vaccination in various age groups. Zhur. mikrobiol. spid. i immun. 31 no. 10:28-32 0 '60. (MIRA 13:12)
l. Iz kafedry epidemiologii I Moskovskogo ordena Lenine meditsinskogo instituta imeni Sechenova. (SMALLPOX)

APPROVED FOR RELEASE: 06/06/2000

BELIKOVA_ALDAKOVA, V:D.; BLYUMEL', N.F.; ZHARIKOVA, A.D.; PERFIL'YEVA, Ye.B.; SOLOV'YEVA, N.A.
Gauses reducing vaccinal immunity to diphtheria. Zhur.mikrobiol. epid. i immun. 32 no.4:14-19 Ap '61. (MIRA 14:6)
1. Is kafedry epidemiologii I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova. (DIPHTHERIA)

APPROVED FOR RELEASE: 06/06/2000



BELIKOVA -ALDAKOVA, V.D., dotsent; DODONOV, V.N., dotsent

"Handbook on the use of vaccines and serums" by M.I. Sokolov, P.V. Pavlov. Sov. med. 26 no.11:152-155 N'62 (NIRA 17:3)

APPROVED FOR RELEASE: 06/06/2000



APPROVED FOR RELEASE: 06/06/2000



SMIRNOV, S.M.; METELKIN, A.I.; BELIKOVA-ALDAKOVA, V.D.; SOLOV'YEVA, N.A.

Book reviews and bibliography. Zhur. mikrobiol., epid. i immun. 40 no.3:138-142 Mr '63. (MIRA 17:2)

APPROVED FOR RELEASE: 06/06/2000

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BELIKOVA-ALLAKOVA, V.D.; DODONOV, V.N.

Teaching epidemiology at a medical faculty. Zhur. mikrobiol., epid. i immun. 40 no.6:58-63 Je. '63. (MIRA 17:6)

1. Iz I Moskovskogo ordena Lenina Meditsinskogo instituta imeni Sechenova.

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BELIKOVICH, B.A. [Belikovych, B.O.]; VISHNEVSKIY, V.N. [Vishnevs'kyi, V.N.]; LYSKOVICH, A.B. [Lyskovych, O.B.]; PIDZYRAYLO, N.S. [Pidzyrayle, M.S.]

> Investigation of the distribution of an activator in NaI - Tl crystals [with summary in English]. Ukr, fiz. shur. 4 no.1:108-115 Ja-F '59. (MIRA 12:6)

1. L'vevskiy gosudarstvennyy universitet im. Iv. Franke. (Sodium iodide crystals) (Thallium)

APPROVED FOR RELEASE: 06/06/2000

24.7100, 5.11	50 78109 SOV/70-5-1-18/30
AUTHORS :	Belikovich, B. A., Lyskovich, A. B.
TITLE:	Growth of NaI(T1) Single Crystals at Doubly Controlled Temperature
PERIODICAL:	Kristallografiya, 1960, Vol 5, Nr 1, pp 126-128 (USSR)
ABSTRACT:	The known methods of Kyropolous and Obreimov-Shubnikov produce cylindrical single crystals of thallium- activated sodium iodide up to 50-80 mm in diam and 35-45 mm high. The height limit is related to the temperature drop necessary in the course of crystal growth. After a certain temperature drop, NaI(T1) crystals grow along c axis much faster than along a and b; consequently, the fast-growing faces absorb hydroxyl ions which remain in the top of the crystals turbid, leaving only about 30-40 mm of their height of good quality. To avoid this, the authors used a

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Growth of Nal(T1, Single Crystals at Doubly Controlled Temperature

78109 SOV/70-5-1-18/30

furnace with two heaters, one at the bottom and the other on the side. By increasing the temperature of the former and decreasing that of the latter, the rate of growth could be kept within permissible limits both vertically and horizontally; by doing so, 70 by 70 mm investals of good quality were produced. In a cylindrical furnace, 160 mm in diam and 200 mm high, they placed a metallic beaker 3-5 mm thick, and in the latter a porcelair, beaker in which highly pure NaI was molten and 1% Til added. The temperature of the side heater was dropped without changing that of the bottom heater until the growing crystal was half the size of the beaker diameter. Then the crystal was pulled periodically for 0.5-1 mm each time until the top of the crystal was about 10 mm above the melt. At this time, the bottom heater was switched on to increase the temperature from below at the rate of 2-30 C per 1° C drop of the side heater. The bottom heater was switched on to a higher temperature to melt turbid (white) spots whenever they

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Card 2.3

Growth of Nal(T1) Single Crystals at Doubly Controlled Temperature

July 1, 1959

78109 SOV/70-5-1-18/30

appeared on growing crystals. The grown crystals were annealed for a few days, cooled off slowly, given a de-sired shape, and kept in hermetically sealed containers. A. Ye. Glauberman is acknowledged for the review of this article. There are 5 references, 4 Soviet, 1 German.

ASSOCIATION:

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L'vov State University imeni I. Franko (L'vovskiy gosudarstvennyy universitet imeni I. Franko)

SUBMITTED:

Card 3/3

APPROVED FOR RELEASE: 06/06/2000

	8/058/63/000/003/063/10 A059/A101
AUTHORS:	Lyskovych, O. B., Vaydanych, V. I., Spitkovs"kyy, I. M., Belikovych B. A., Kulyk, L. M., Chejelyev, V. V., Maksymovych, Kh. K.
TITLE:	Growing large single crystals of NaI(T1)
PERIODICAL:	Referativnyy zhurnal, Fizika, no. 3, 1963, 49, abstract 3E324 ("Visnyk L'vivs"k. un-tu. Ser. fiz.", no. 1(8), 117 - 119, Ukrain- ian)
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bottom heiste	Temperature conditions were chosen for growing optically trans- 1) single crystals, about 140 mm in diameter and about 100 mm long. performed by the method of Kyropoulos in a furnace with lateral and rs. Corundum slag orucibles the walls of which are not wetted by used. The rate of growth is 3 to 4 mm/hour.
parent NaI(T Growing was bottom heiste the melt are	performed by the method of Kyropoulos in a furnace with lateral and rs. Corundum slag orugibles the wells of which are not interval and
parent NaI(T Growing was bottom heate the melt are	performed by the method of Kyropoulos in a furnace with lateral and rs. Corundum slag orucibles the walls of which are not wetted by used. The rate of growth 1s 3 to 4 mm/hour.

GG/dS/JB ACCESSION NR: AT5009627 AUTHOR: Yaydsnych, V. I. (Vaydanich, V. I.); Lyskovych, O. B. (Liskovich, A. B.); Chorniy, Z. P.; Belikowych, B. O. (Belikovich, B. A.) TITLE: Investigation of the dependence of microhardness on the load in <u>sodium</u> and <u>cesium iodide single crystals</u> <i>1</i> SOURCE: INVV. Universytet. Pytannya fizyky tverdoho tila (Problems in solid state physics). Lvov, Vyd-va L'viv. univ., 1964, 73-75 TOPIC TAGS: Modium iodide, cesium iodide, single crystal, thallium activation, microhardness, load dependence, concentration dependence <i>21</i> AESTRACT: The purpose of the investigation was to determine the influence of acti- vators on the microhardness of sodium and cesium iodide crystals. The single crys- tals were grown by the Kiropolous method, and tests were made of the microhardness as a function of the applied load and of the activator concentration (thallium io- dide) in a narrow concentration interval, the interval being chosen such as to ob- tain maximum mcintillator resolution. The crystals were grown with concentrations 0.2, 0.6, 0.8, 1.2, and 1.6 wt 5, 0 TII in the charge, corresponding to a molar ra- tio of thallium to sodium iodide 12.5, 18, 19, 22, and 25 x 10 ⁻⁵ . The microhard- Card 1/2		E 45739-65 EEC (B)=2/SWA(C)/EWT(L)/EWT(W)/T/25WP(B)/EWP(L) PI-4 (DP(C)
AUTHOR: <u>Vaydanych</u> , V. I. (Vaydanich, V. I.); Lyskovych, O. B. (Liskovich, A. B.); Chorniy, Z. P.; Belikowych, B. O. (Belikovich, B. A.) TITLE: Investigation of the dependence of microhardness on the load in <u>sodium</u> and <u>cesium icdide single crystals</u> SOURCE: <u>Ivov</u> . <u>Universytet</u> . Pytannya fizyky tverdoho tila (Problems in solid state physics). <u>Lvov</u> , Vyd-vn L'viv. univ., 1964, 73-75 TOPIC TAGS: Modium iodide, cesium iodide, single crystal, thallium activation, microhardness, load dependence, concentration dependence vators on the microhardness of sodium and cesium iodide crystals. The single crys- tals were grown by the Kiropolous method, and tests were made of the microhardness as a function of the applied load and of the activator concentration (thallium io- dide) in a naurow concentration interval, the interval being chosen such as to ob- tain maximum scintillator resolution. The crystals were grown with concentrations 0.2, 0.6, 0.8, 1.2, and 1.6 wt.5 of TII in the charge, corresponding to a molar ra- tio of thallium to sodium iodide 12.5, 18, 19, 22, and 25 x 10 ⁻⁵ . The microhard-		GG/JS/JD ACCESSION NR: AT5009627 UR/0000/64/000/00073/0075
cesium icdide single crystals SOURCE: Ivov. Universytet. Pytannya fizyky tverdoho tila (Problems in solid state physics). Lvov, Vyd-vo L'viv. univ., 1964, 73-75 TOPIC TAGS: Modium icdide, cesium icdide, single crystal, thallium activation, microhardness, load dependence, concentration dependence ABSTRACT: The purpose of the investigation was to determine the influence of acti- vators on the microhardness of sodium and cesium icdide crystals. The single crys- tals were grown by the Kiropolous method, and tests were made of the microhardness as a function of the applied load and of the activator concentration (thallium ic- dide) in a narrow concentration interval, the interval being chosen such as to ob- tain maximum micintillator resolution. The crystals were grown with concentrations 0.2, 0.6, 0.8, 1.2, and 1.6 wt % of TH in the charge, corresponding to a molar ra- tio of thallium to sodium iodide 12.5, 16, 19, 22, and 25 x 10 ⁻⁵ . The microhard-	11.4	AUTHOR: Vevdanych. V. I. (Vaydanich, Y. I.); Lyskovych, O. B. (Liskovich, A. B.);
state physics). Lvov, Vyd-va L'viv. univ., 1964, 73-75 TOPIC TAGS: Modium iodide, cesium iodide, single crystal, thallium activation, microhardness, load dependence, concentration dependence 27 ABSTRACT: The purpose of the investigation was to determine the influence of acti- vators on the microhardness of sodium and cesium iodide crystals. The single crys- tals were grown by the Kiropolous method, and tests were made of the microhardness as a function of the applied load and of the activator concentration (thallium io- dide) in a narrow concentration interval, the interval being chosen such as to ob- tain maximum mcintillator resolution. The crystals were grown with concentrations 0.2, 0.6, 0.8, 1.2, and 1.6 wt.% of TII in the charge, corresponding to a molar ra- tio of thallium to sodium iodide 12.5, 16, 19, 22, and 25 x 10 ⁻⁵ . The microhard-		
microhardness, load dependence, concentration dependence 27 ABSTRACT: The purpose of the investigation was to determine the influence of acti- vators on the microhardness of sodium and cesium iodide crystals. The single crys- tals were grown by the Kiropolous method, and tests were made of the microhardness as a function of the applied load and of the activator concentration (thallium io- dide) in a narrow concentration interval, the interval being chosen such as to ob- tain maximum micintillator resolution. The crystals were grown with concentrations 0.2, 0.6 , 0.8 , 1.2 , and 1.6 wt.% of TII in the charge, corresponding to a molar ra- tio of thallium to sodium iodide 12.5, 16 , 19 , 22 , and 25×10^{-5} . The microhard-		SOURCE: Ivov. Universytet. Pytamnya fizyky tverdoho tila (Problems in solid state physics). Lvov, Vyd-vn L'viv. univ., 1964, 73-75
vators on the microhardness of sodium and cesium iodide crystals. The single crys- tals were grown by the Kiropolous method, and tests were made of the microhardness as a function of the applied load and of the activator concentration (thallium io- dide) in a narrow concentration interval, the interval being chosen such as to ob- tain maximum scintillator resolution. The crystals were grown with concentrations 0.2, 0.6, 0.8, 1.2, and 1.6 wt.% of TII in the charge, corresponding to a molar ra- tio of thallium to sodium iodide 12.5, 18, 19, 22, and 25 x 10 ⁻⁵ . The microhard-	· .	TOPIC TAGS: nodium iodide, cesium iodide, single crystal, thallium activation, microhardness, load dependence, concentration dependence 21
Card 1/8	•	vators on the microhardness of sodium and cesium iodide crystals. The single crys- tals were grown by the Kiropolous method, and tests were made of the microhardness as a function of the applied load and of the activator concentration (thallium io- dide) in a narrow concentration interval, the interval being chosen such as to ob- tain maximum scintillator resolution. The crystals were grown with concentrations
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	crystals. I	In addition	, the microbs	rdness depen	ds on the con	centration of of its growth.	the
varie	ation of the	mieroharon	ess with load	is illustra	ted in Fig. 1	l of the Enclo 4.6 x 10-3, t	sure.
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ACC NR: AP5028922 SOURCE CODE: UR/0185/65/010/011/1215/1221
44.55 44.55
AUTHOR: Byelikovych, B. O Belikovich, B. A.; Lyskovych, O. B Lyskovich, A. B.; Chorniy, Z. P Chorniy, Z. P.
44, 5, 7, -2
ORG: L'vov State University im. I. Frank (L'vivs'kyy derzhuniversytet)
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TITLE: Investigation of energy migration in CsI and CsI(Tl) crystals
50URCE: Ukrayins'kyy fizychnyy zhurnal, v. 10, no. 11, 1965, 1215-1221
2), 44.5
TOPIC TAGS: luminescence, luminescence spectrum, luminescent crystal, activated
crystal, crystal defect, crystal lattice vacancy, X roy amission, fue electron,
EPR every thiory
ABSTRACT: An investigation was made of the dependence of the spectral composition and the yield of z-ray luminescence of pure CsI crystals and crystals activated with TII,
NaI, and KI on temperature in the range from 100 to 300K. In nonactivated CsI crys-
tals at room temperature, two luminescence bands were observed at 320 and 420 nm; at
low temperature, new luminescence bands appeared at 327 and 347 nm. In CsI crystals
activated with NaI, the intensity of the 420 nm band increased by several orders. The
spectral composition of the x-ray luminescence changed, depending on the thallium con- centration in CsI crystals. In CsI crystals without thallium impurities, the lumi-
nescence with maxima at 320 and 420 nm were of the same nature. This condition can be
attributed to structural distortion of the crystal or distortion of the stoichiometry
of the crystal. The decrease of the luminescence yield of the 320 and 420 nm bands
경험은 것은 것이 가지 않는 것이 같아. 이 가슴을 것 것이 것 이 것 것 같은 것이 있는 것이 있는 것이 있는 것이 것 같은 것이 있다. 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 가 같은 것은 것이 같이 같은 것이 같은 것이 있는 것이 같이 있는 것이 있는 것이 있는 것이 있는 것이 같은 것이 같은 것이 같은 것이 같은 것이 같은 것이 없다. 것이 같은 것이 있는 것이 있는 것이 같은 것이 같은 것이 같은 것이 같은 것이 있는 것이 같은 것이 있는 것이 있는 것이 있는 것이 같은 것이 같은 것이 같은 것이 없다. 것이 같은 것이 없는 것이 없는 것이 없는 것이 없는 것이 없이 있
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cence centers auto-localize This interpre- tion of the can disintegr electron para- ion at low te lium. At low tion, and the the 347 nm re- of auto-local	such as aut d hole appart dation does dif nm band h ate into free ungreature can temperature can temperature yield of th agion increase d.zed holes a	to-localized rently produ not contrad has an excit se electrons sonance in a an capture a the number he luminesce sed. With t	holes. Rec ced the lumi ict the gene on character and auto-lo lkali hallic n electron a of free hol nce decrease he rise of t eased, causi	combination o nescence in rally accept , since at 1 ocalized hole the crystals s and thus prod es decreased of while the the activator ng a still 1	f a free e the region ed hypothe ow tempera s. Invest howed that uce a quas , due to a lattice lun concentrat arger decre	tis that excites tures excitons tigations of the thallium L-atomic thal- nto-localiza- ninescence in tion the number case of acti-
of the small ions. Orig.	concentration art. has: 6	on of free e 6 figures.	lectrons rea	ulting from	capture.by	appear because the activator [JA] TD PRESS:4/149
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ARTEM'YEVA, G.M.; BELIKOVICH, V.V.; BENEDIKTOV, Ye.A.; YERUKHIMOV, L.M.; KOROBKOV, Yu.S.

Measurements of the absorption of cosmic radio emission during the solar eclipse of February 15, 1961. Geomag.i aer. 2 no.1:58-60 Ja-F '62. (MIRA 15:11)

1. Gor'kovskiy gosudarstvennyy universitet, Radiofizicheskiy institut.

(Cosmic rays) (Eclipses, Solar)

APPROVED FOR RELEASE: 06/06/2000

HELIKOVICH, V.V.; BENEDIKTOV, Ye.A.; YERUKHIMOV, L.M.

Results of observations of the discrete source Cygnus-A at large zenithal angles. Izv.vys. ucheb. zav.;radiofiz. 4 no.6:993-1003 '61. (MIRA 14:12)

1. Nauchno-issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitete. (Radio astronomy)

(Ionospheric research)

APPROVED FOR RELEASE: 06/06/2000

42157 s/203/62/002/001/005/019 1. 1. 1. 1023/1223 Artem'yeva, G.M., Belikovich, V.V., Benediktov, Ye.A., 3.1800 Yerukhimov, Z. M. and Korobkov, Yu.S. AUTHORS: Measurements of cosmic radioemission absorption during the solar eclipse on February 15, 1961 TITLE: Geomagnetizm i Aeronomiya, v.2, no.1, 1962, 58-60 PERIODICAL: TEXT: During the solar eclipse of February 15, 1961 observations of the cosmic radioemission were made in Yevpatoriya at the following frequencies: 25, 18.6 and 13 Mcs, and in Gor'kiy at 25 and 13 Mcs. Such measurements were omitted during previous eclipses. The purpose of the present measurements is to discover ν any decrease in the absorption of cosmic radioemission caused by the solar eclipse and to differentiate between the abscrption of different layers. The apparatus used in both places was identical. The receiving antennas consisted of six wave vibrators. The maximum direction diagram was pointed to the zenith, and the width at half power was 30°. The measurements were conducted for 10-12 Card 1/3

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S/203/62/002/001/005/019 1023/1223

Measurements of cosmic radioemission ...

days, before and after the eclipse. Data from the five days, on which foF2 was not much different from its value on the eclipse day, were used for further analysis. The variations of the absorption during the eclipse are presented graphically. In Gor'kiy at 25Mcs no effect was observed within experimental errors. The maximum decrease of the absorption is shifted several minutes with respect to the maximum of the eclipse. The lag is near to the value of relaxation time in the D-layer. In Yevpatoriya a second, smaller maximum, lagging by approximately 30 min, was observed. This maximum is probably connected with changes in the absorption in the F-layer, where the relaxation time is much longer than in the D-layer. The ratio of the maximum changes of the absorption in Gor'kiy and in Evpatoriya is approximately equal to the ratio of the Soler zenith angles cosines. The main reason for the changes in the atsorption are changes in the electron density in the D-layer. There are 2 figures and 1 table.

Card 2/3

APPROVED FOR RELEASE: 06/06/2000



APPROVED FOR RELEASE: 06/06/2000

BELIKOVICH, V.V.; KUNILOV, M.V.

Method for the quadratic transformation of signal amplitudes. Prib. i tekh. eksp. 9 no.1:115-116 Ja-F '64. (MIRA 17:4)

1. Nauchno-issledovatel'skiy radiofizicheskiy institut Gor'kovskogo gosudarstvennogo universiteta.

APPROVED FOR RELEASE: 06/06/2000

ARTEM YEVA, G.M.; BELIKOVICH, V.V.: BENEDIKTOV, Ye.A.; YERUKHIMOV, L.M.; ITKINA, M.A.; KOROBKOV, Yu.S.

> Results of observations of intensity fluctuations of discrete sources at low frequencies. Geomag. i aer. 3 no.5:835-840 S-0 '63. (MIRA 16:11)

1. Radiofizicheskiy institut pri Gor'kovskom gosudarstvennom universitete.

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000204320008-2

1) (4) (4)

• 7 s/0203/64/004/004/0788/0791 ACCESSION NR: AP4043258 AUTHOR: Belikovich, V. V., Itkina, M. A., Rody*gin, L. V. TITLE: Determination of the electron concentration profile in the lower lonosphere from the frequency variation of absorption SOURCE: Geomagnetizm i aeronomiya, v. 4, no. 4, 1964, 788-791 TOPIC TAGS: aeronomy, lonosphere, lonospheric electron concentration, lonospheric absorption, radio wave absorption, radiophysics, radioastronomy Interest recently has increased in the method of determining the N(h) ABSTRACT: profile in the lower ionosphere from measurements of radio wave absorption at a number of frequencies. This method is based on the solution of an integral equation of the following form relative to N(h): $\Gamma(\omega) = 2A \int \frac{N(h)v(h)}{v^2(h) + \omega^2} dh$ (1)where $\Gamma(\omega)$ is the integral absorption of radio waves of the frequency ω in the ionosphere to the height h_{0} ; N(h) is the electron concentration at height h; v(h) is the effective frequency of electron collisions at height h; and A is a numerical 1/3.

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factor. The solution of equation (1) has been obtained by other authors in the form of a polynomial of 'h, which does not correspond fully to real electron concentration profiles. The authors of this article have inversed equation (1), that is, a general formula has been derived for finding the N(h) profile from the $\Gamma(\omega)$ curve. A precise solution is obtained by use of a formula derived in the text, but an approximate formula, more convenient to use, is derived for practical purposes. Two examples of the use of this formula are given. It is noted that determination of the electron concentration in the region of heights 40-80 km requires absorption measurements in a very broad frequency range. Such measurements cannot be made by only a single method; it is desirable to make the measurements by both radioastronomical and pulse sounding methods... The radioastronomical method can be used for measurements at frequencies of > 5 Mc/s, corresponding to heights of 65 km and below. Considerable ionization at these heights arises at the time of strong isonospheric disturbances. It can be determined from data on anomalous absorption. At frequencies below 5 Mc/s absorption can be measured by the pulse sounding method. "The authors wish to thank Ye. A. Benediktov and N. A. Hityakov for criticism and useful comments." Orig. art. has: 13 formulas, 2 figures and 1 table.

ASSOCIATION: Radiofizicheskiy institut pri Gor'kovskom gosudarstvennom universitete (Radiophysics Institute at Gor'kiy State University)

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ACC NR	279-66 FBD/EWT(1)/FCC/EWA AP6011921	SOURCE CODE: UR/0141/66/009/002/0399/0400	7
AUTHOR:	Belikovich, V. V.; Benedi	<u>lktor, Ye. A</u> . 45	1
(aaucun)	o-issiedovater skiy radiofi	E of Radio Physics at Gorky State University B. Richeskiy institut pri Gor'kovskom universitete)	
ritle: Lonosphe	Additional absorption of g eric disturbance of 18 Apri	cosmic radio emission in the ionosphere during the	
SOURCE:	IVUZ. Radiofizika, v. 9,	no. 2, 1966, 399-400	
COPIC TA	ACS: radio wave absorption absorption	, ionospheric radio wave, cosmic radiation, iono-	
Intensit	ty were made at 24.6. 13.0.	the polar-type anomalous absorption recorded at 65 are reported. Measurements of cosmic emission 8.9, and 8.5 Mc. Antenna radiation patterns for	
15 and ion beg	8.9 Mc, they were 25° x $35'$ gan at 0950 hours Moscow tin	c were 25° x 18° at the half-power points. For ° and 5° x 8°, respectively. The anomalous absorp-	
r three imits o	of measurement error. these	.52 db at 8.5 and 8.9 Mc; at 13 Mc it was two absorption intensity was about 0.2 db. Within the values are in accordance with the law of the in- the square of the operating frequency. It is	
	/2	UDC: 621.371.177	Z



APPROVED FOR RELEASE: 06/06/2000

L 05421-67 ENT(1)/FCC GW	
ACC NR: AP6018928 SOURCE CODE: UR/0203/66/006/003/0600/0602	
AUTHOR: Belikovich, V. V.; Benediktov, Ye. A.; Tolmacheva, A. V.	
ORG: Institute of Radio Physics, Gor'kly State University (Radiofizicheskiy institut pri	
Gor'kovskom gosudarstvennom universitete)	
TITLE: A possible interpretation of the frequency dependence of anomalous absorption of cosmic radiation	
SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 3, 1966, 600-602	
TOPIC TAGS: cosmic radiation, radio wave absorption, magnetic storm, ionospheric absorption	
ABSTRACT: The authors have proposed their own explanation, based on a nonuniform or heterogeneous ionization region in the horizontal plane, of the test results for the anomalous absorption of cosmic radiation in the ionosphere on several fixed frequencies observed during three world-wide magnetic disturbances, cited in a previous paper (Ye. A. Benediktov, Yu. S. Korobkov, A. V. Tolmacheva. Geomagn. i aeronomiya, 1965, 5, no. 4, 698). On the as- sumption that the radiation is uniformly distributed over the sky and by substituting for the	
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angle Ω_0 of the qui- shown the sorption available the formu- tion regionant three man tured and formation	, formulas are antity of absor- at the problem in the ionosphe- regarding the ula obtained, a on through a co- gnetic storms. omalous ionization regarding the omaximum absorb	e obtained for t ption as measu of determining are becomes va degree of ionis in attempt is m omputation of t . The example tion region can e altitudes at w	he recorde ared radio- g the frequ astly more zation hom ade to defi he frequen as given sh a significan which radio	d level of astronomi ency depen complex, ogeneity in ne the hete cy function ow that the tly distort waves pas	cosmic rad cally to the idence of an unless addi in the horizo erogeneous $\Gamma(\omega)$ on the presence of radio-astr asing throug	liation and for "true" quant nomalous radi itional inform ontal direction structure of e basis of dat of a nonunifor onomically de the ionosph	r the ratio tity. It is io wave ab- nation is n. Using the ioniza- ta from the rmly struc- erived in-
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CC NR: AP6032699	SOURCE CODE: UR/0203/66/006/005/0940/0942
AUTHOR: Belikovi	h, V. V.; Benediktov, Ye. A.
DRG: Radiophysic skiy institut pri	Il Institute of Gor'ki State University (Radiofiziche- Gor'kovskom gosudarstvennom universitete)
TITLE: Frequency waves during sudd	dependence of additional absorption of cosmic radio en ionospheric disturbances
SOURCE: Geomagne	tizm i aeronomiya,'v. 6, no. 5, 1966, 940-942
COSMIC RACH ABSTRACT: Absorption been studied in p study of absorption disturbances. Al during 1959-1960 near Gor'ky. The (25° x 35° at hat in 1963, when an	spheric disturbance, ionospheric propagation, and SPHERIC ABSORPTION tion of cosmic radiation in the ionosphere during t frequencies of 5.7, 8.7, 13.2, 18.6, and 25 Mc has revious papers. This paper describes an additional on at the above frequencies during sudden ionospheric sorption was measured in sets of two frequencies 25 Mc and 18.6 Mc and on all five frequencies in 1963 antennas used had similar directivity characteristics f power points) with a maximum at the zenith, except enna aperture areas for 13.2 and 25 Mc were doubled. ipment consisted of P-250 high-frequency amplifiers cording circuits. Output circuits noise-limited and
	UDC: 550.388.2

EPP-09 automatic calibration of	the measuring e	quipment w	as made	using a n e plotted	oise gener l (absorpti	rator. ion
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ACC NRI AP6018717	SOUNCE CODE: UR/0193/6	6/000/004/0038/0040	
AUTHOR: Balilovskiy, Ye.	S.; Potorocha, G. T.		
ORG: none		160	
TITLE: Device for automa on an "Ural-2" digital el	tic control of the movement of informat ectronic computer	ion carrying tapes	
SOURCE: Byulleten' tekhn	iko-ekonomicheskoy informatsii, no. 4,	1966, 38-40	
	outer, computer , electronic computer, co control, automatic control design, cont	mouter-center-	
Deserve Tratitute of Min	as developed at the computer center of t ing (Nauchno-issledovatel'skiy gornorud	THAT THEFT OR AL .	-
can be used on ETsVM "Ura perforated tapes as infor movable electromechanical fluctuations in feed volt	ing (national states as well as on other comp al-2" computers as well as on other comp rmation carriers. Its circuit is quite L contacts, and it operates efficiently tage. The principle of its operation is of the perforations is the source of ini- information is converted to a control a	simple, it has no at considerable based on the fact formation on the tape	
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e te it to design the second	
inding mechanisms, it sends the signal s well as for switching off after tape criptions. Application of this device esulting from information failure durin orditions of the computers. The princi	The <u>device controls</u> the operation of the tape- for switching on the tape-winding mechanism breaks or completion of information trans- drastically reduced the idleness of computer ing tape breaks, and improved the operating ipal circuit of the device and a detailed ed in this article. Orig. art. has: 1 figure
UB CODE: 09/ SUBM DATE: none	
ard 2/2	

EELILOVSKAYA, K. I., kand. tekhn. nauk; NAUMENKO, V. S., inzh. Comprehensive mechanization of the operations in laying streetoar tracks and making major repairs on them. Nov. tekh. zhil.-kom.khoz.:Gor.dor.-most.khoz. 1 transp. no. 2: 64-73 '63. (MIRA 17:5)

APPROVED FOR RELEASE: 06/06/2000

BELILOVSKIY, M.A. New method for obtaining several ranges in measuring electric current. Izm.tekh. no.12:40-41 U '61. (MIRA 15:1) (Electric measurements)

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ACC NRi AP5023272 UR/0302/65/000/003/0031/0032 681 142 004:001 100/003	٦
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TITLE: A device for automatic arrest of the tape-advancing mechanism of the "Ural-2"	
SOURCE: Avtomatika i priborostroyeniye, no. 3, 1965, 21, 22	
TOPIC TACS; punched paper tape, digital computer	•
often encountaine the suddition of dath into computance has	
perforated tape in case of breaks. Its operation is been which automatically stops the	
the photodiode actuates a relay which stops the tange distribution of pulse arrivals from	na ten K
describes the circuitry as well as the operation of the entire device. The setup was developed in conjunction with the "Ural-2" computer but may be used with any other machine using a 35-mm perforated tape. Orig. art. has: 2 figures.	
ASSOCIATION: none	
<u>ard 1/2</u>	



BELILOVSKIY, Yefim Solomonovich; BOGUSLAVSKIY, Eduard Yelizarovich; HUNUS, Mark Semenovich; VOLOPIN, Aleksey Pavlovich; KUNIN, Izyaslav Kopelovich, SELEKTOR, Spartak Mikhaylovich; CHUB, Vasiliy Fedoseyevich; YANKOVOY, Grigoriy Tikhonovich; MNITRIFEV, A.P., otv. red.; KOVAL', I.V., red.izd-va; MAKSIMOVA,V.V., tekhmn.red. [Improvement of underground mining methods and equipment in the Frivoy Rog Basin] Sovershenstrovenie tekhniki i tekhnologii podsemnoi dobychi rudy v Krivoroshkom basseine. [by] E.S.Belilovskii i dr. Moskva, Gos.nauchno-tekhn.izd-vo.lit-ry po gornomu delu, 1961. 238 p. (MIRA 15:3) (Krivoy Rog Basin--Iron mines and mining) (Automatic control)

APPROVED FOR RELEASE: 06/06/2000

33216 3,1730(124,1197,1172) AUTHORS: <u>Belikovich</u> , V.V., Benediktov, Ye.A., and Yerukhimov, L.M. TITLE: Results of observations of the discrete source Cygnus-A at large zenith angles PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, v.4, no.6, 1961, 993-1003 TEXT: This paper was first read at a conference of MV i SSO SSSR on radioelectronics at Khar'kov in 1960. The authors report results of measurements of the relative intensity of the radio emission due to the Cyg-A source on 29.7 Mc/sec which were carried out at Gor'kiy in 1959-1960. The interferometer employed had a base length of 20%, and a beamwidth at half power points was 11° and 13° in the horizontal and vertical planes respectively. Signals from the rhombic antennas were passed through a pre-amplifier and separate mixers with a common heterodyne operating on a frequency of 6.5 Mc/sec. One of the heterodyne channels contained an electronic phase Card 1/1 2	and and and a second				
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Cygnus-A at large zenith angles PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, v.4, no.6, 1961, 993-1003 TEXT: This paper was first read at a conference of MV i SSO SSSR on radioelectronics at Khar'kov in 1960. The authors report results of measurements of the relative intensity of the radio emission due to the Cyg-A source on 29.7 Mc/sec which were carried out at Gor'kiy in 1959-1960. The results correspond to zenith angles of the order of 80°. The interferometer employed had a base length of 20λ, and a beamwidth at half power points was 11° and 13° in the horizontal and vertical planes respectively. Signals from the rhombic antennas were passed through a pre-amplifier and separate mixers with a common heterodyne operating on a frequency of 6.5 Mc/sec. One of the heterodyne channels contained an electronic phase	AUTHORS :	Belikovich, V.V., Yerukhimov, L.M.		. · · ·	• •
Radiofizika, v.4, no.6, 1961, 993-1003 TEXT: This paper was first read at a conference of MV i SSO SSSR on radioelectronics at Khar'kov in 1960. The authors report results of measurements of the relative intensity of the radio emission due to the Cyg-A source on 29.7 Mc/sec which were carried out at Gor'kiy in 1959-1960. The results correspond to zenith angles of the order of 80°. The interferometer employed had a base length of 20λ , and a beamwidth at half power points was 11° and 13° in the horizontal and vertical planes respectively. Signals from the rhombic antennas were passed through a pre-amplifier and separate mixers with a common heterodyne operating on a frequency of 6.5 Mc/sec. One of the heterodyne channels contained an electronic phase	TITLE :			ource	•
MV i SSO SSSR on radioelectronics at Khar'kov in 1960. The authors report results of measurements of the relative intensity of the radio emission due to the Cyg-A source on 29.7 Mc/sec which were carried out at Gor'kiy in 1959-1960. The results correspond to zenith angles of the order of 80° . The interferometer employed had a base length of 20λ , and a beamwidth at half power points was 11° and 13° in the horizontal and vertical planes respectively. Signals from the rhombic antennas were passed through a pre-amplifier and separate mixers with a common heterodyne operating on a frequency of 6.5 Mc/sec. One of the heterodyne channels contained an electronic phase	PERIODICAL:	Izvestiya vysshik Radiofizika, v.4,	h uchebnykh zavedeniy, no.6, 1961, 993-1003		
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Results of observations of the ...

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reversing switch (operating at 29 cps). The mixers were followed by an i.f. amplifier with a passband of 10 Kc/sec, a square law detector and a heterodyne filter linked with the phase reversing switch. The signals were recorded by a pen recorder with a time constant of 3 sec and a chart speed of 720 mm/r. Fig.3 shows the results obtained during the entire period of observations. Arrows indicate those cases where the radio rise of the source was noted during the observations. The arrows pointing in the downward direction represent radio setting of the source. It is clear from Fig.3 that there is a very considerable spread in the intensity of the source. Analysis of these results has shown that the reduction in the signal level during magnetically quiet days was due to the usual absorption mechanism involving electron-ion and electron-molecule collisions. The reduction in the intensity is well correlated with the degree of magnetic disturbance, particularly at night during winter months. During this period considerable phase distortions were also observed. The variation in the intensity is closely related to the scattering of radio waves by electron density irregularities in the upper layers of Card 2/# 2

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BELIKOVSKIY, A. S., PROF

USSR/Petroleum - Analysis

Jun 1947

"Conditions Governing the Production of Sulfurous Compounds and Sulfur in Petroleum," Ye. F. Rubakova, Prof A. S. Belikovskiy

"Neftyanoye Khozyaystvo" Vol 25, No 6

Tables showing the sulfuring of unstaurated hydrocarbons (polymers) by hydrogen sulfide gas and the sulfuring of methane hydrocarbons by H2S. Tables showing the sulfuring of benzol by H2S and the sulfuring of isooctane by H2S in the presence of Tavtimonovsk clay.

PA 9786

APPROVED FOR RELEASE: 06/06/2000

SOSYANTS, Vasiliy Georgiyevich; BELILOVSKAYA, Kseniya Losifovna; NAUMENKO, Valentin Sergeyevich; PROKHDROV, Aleksandr . Nikolayevich; LUCHAY, G.A., red.; RACHEVSKAYA, M.I., red.isd-va; SALAZKOV, N.P., tekhn. red. [Over-all mechanization of labor consuming processes in the construction and overhauling of streetcar tracks] Kompleksnaia mekhanizatsiia trudoemkikh protsessov pri stroitel'stve i kapital'nom remonte tramvainykh putei. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1963. 78 p. (MIRA 16:8) (Street railways--Track)

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000204320008-2



ELIMA, A.S. [Belima, O.S.] (Kiyev) Probability criterion of the evaluation of the error of quantization in respect to time for discrete adaptive information gathering and processing systems. Avtomatyka 7 no.5:14-26 '62. (MIRA 15:11) (Information theory) (Automatic control) (Electronic calculating machines)

APPROVED FOR RELEASE: 06/06/2000



BELIMA, A.S. [Belima, O.S.] (Kiyev)

Some problems concerning the analysis and synthesis of centralized control systems for detecting deviations beyond permitted limits. Avtomatyka no.5:69.72 ⁶1. (MIRA 14:10) (Automatic control)

APPROVED FOR RELEASE: 06/06/2000



BELIMA A.S.; SAMOYLOV, V.D. Computer for converting analog binary code to a parallel binary-decimal code. Avtom. i prib. no.2:37-39 Ap-Je '63. (MIRA 18:8) 1. Institut avtomatiki Gosplana UkrSSR.

<u>L 8609-66</u> EWT(d)/EWP(1) IJP(c) BB/GG
ACC NR: AR5014362 SOURCE CODE: UR/0271/65/000/005/B045/B045
SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Svodnyy tom, Abs. 5B330
AUTHOR: Belima, A. S. Gzhivnovich, Ye. Podgurskiy, G. S. 44
TITLE: Manual <u>data-input device</u> $ b_1' ' '$
CITED SOURCE: Sb. Ustroystva i elementy prom. telemekhan. Kiyev, 1964, 87-91
TOPIC TAGS: information storage, digital computer
TRANSLATION: A manual device is used for transmitting sporadic information from various process stations to a dispatcher's station and for harmonizing the information-transmission time with the cyclic operation of the system. The manual device intended for the dispatcher's station of a blast-furnace department
Card 1/2 UDC: 681.142.62

CIA-RDP86-00513R000204320008-2

L 8609-66 ACC NR: AR5014362 O is described. An operator records data in the manual-device storage by means of a keyboard, after which automatic readout from the storage becomes possible. The manual device includes an information-recording assembly, a storage device of 12 four-digit decimal-number capacity, and a readout assembly which transmits data to the dispatcher's office. Principal diagrams of the recording assembly, the storage device, and of some other elements are presented. Designed with ferrites, the storage device is subdivided into 12 groups, four digits in each (each digit includes 4 ferrites). In addition, the storage device includes some common elements intended for signaling the presence of information and for intermediate storage of the information during readouts. Figs. 5. SUB CODE: 09 Card 2/2

APPROVED FOR RELEASE: 06/06/2000

,9500	S/102/62/000/003/004/005 D234/D308	
UTHOR :	Belima, O.S. (Kiyev)	
ITLE:	The rule of backward code conversion and its use in designing digital code converters	
ERIODICAL:	Avtomatyka, no. 3, 1962, 72-80	•
or convertin	The author offers the following rule: If there is erter of the set of codes A into a set of codes B, then g a given code b - B into a - A it is sufficient to longing to A into the direct converter until the code the output of the latter coincides with b. A general converter is constructed on the basis of this rule and where the programs of conversion is given. Examples of	18
liagram of a one of the po the applicati into decimal	converter is constructed on the same of Examples of ossible programs of conversion is given. Examples of on of the rule in design of converters of binary codes codes etc. are given. The disadvantage of this method is that more elements are required in some cases for its advantage is the possibility of direct and back-	
liagram of a one of the po the applicati into decimal	converter is constructed on is given. Examples of ssible programs of conversion is given. Examples of on of the rule in design of converters of binary codes codes etc. are given. The disadvantage of this method	

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The rule of	backward code	S/102/6 D234/D3	52/000/003/004/ 508	005
ward convers: table.	ion by the same device.	There are G	figures and 1	•
SUBMITTED:	January 15, 1962	• •		-
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HELIMA, N. I., Cand Agr Sci -- (diss) "Effect of fertilizers upon the yield and quality of potatoes using the check row method of planting. * Kiev, 1958, 16 pp. (Min of Agriculture, UkSSR), Ukraimian Acad Agr Sci, Ukraimian Sci-Rese. Inst of Physiology of Plants), 150 copies (KL, 41-58, 121)

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in lastmania commutaton with a large number of	An an An An			
 9.7300 AUTHOR: Belima, O. S. TITLE: Economic electronic commutator with a large number of switching points PERIODICAL: Avtomatyka, no. 5, 1960, 51-55 TEXT: The author describes a multi-point commutator, suitable for use in automatic control circuits. The block diagram is given in Fig. 2. The impulse generator IG produces impulses which are calculated by the decadal reckoners. The decadal reckoners have outputs corresponding to the numbers 0,1,2,3,4,5,6,7,8,9 in the form of ne.gative or positive potentials. At a given moment the potential proceeds only along one of the schemes of action and the output impulse or potential varies with its load. The decadal reckoners and schemes of action may be constructed of various contactless elements. The principles of the decadal reckoner are also shown. The decadal reckoner are also shown the decadal put a suitably chosen negative potential is applied. A formula is 			S/102/60/000/005/004/008 D251/D305	
ACTHOR: Belima, O. S. TITLE: Economic electronic commutator with a large number of switching points PERIODICAL: Avtomatyka, no. 5, 1960, 51-55 TEXT: The author describes a multi-point commutator, suitable for use in automatic control circuits. The block diagram is given in Fig. 2. The impulse generator IG produces impulses which are calcu- lated by the decadal reckoners. The decadal reckoners have outputs corresponding to the numbers 0,1,2,3,4,5,6,7,8,9 in the form of ne- gative or positive potentials. At a given moment the potential pro- ceeds only along one of the schemes of action and the output im- pulse or potential varies with its load. The decadal reckoners and schemes of action may be constructed of various contactless elements. The principles of the decadal reckoner are also shown. The decadal reckoners operate on a binary decimal diodal matrix, to whose out- put a suitably chosen negative potential is applied. A formula is	9.7300			
switching points PERIODICAL: Avtomatyka, no. 5, 1960, 51-55 TEXT: The author describes a multi-point commutator, suitable for use in automatic control circuits. The block diagram is given in Fig. 2. The impulse generator IG produces impulses which are calcu- lated by the decadal reckoners. The decadal reckoners have outputs corresponding to the numbers 0,1,2,3,4,5,6,7,8,9 in the form of ne- gative or positive potentials. At a given moment the potential pro- ceeds only along one of the schemes of action and the output im- pulse or potential varies with its load. The decadal reckoners and schemes of action may be constructed of various contactless elements. The principles of the decadal reckoner are also shown. The decadal reckoners operate on a binary decimal diodal matrix, to whose out- put a suitably chosen negative potential is applied. A formula is	AUTHOR:	Belima, O. S.		
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use in automatic control circuits. The block diagram is given in Fig. 2. The impulse generator IG produces impulses which are calcu- lated by the decadal reckoners. The decadal reckoners have outputs corresponding to the numbers 0,1,2,3,4,5,6,7,8,9 in the form of ne- gative or positive potentials. At a given moment the potential pro- ceeds only along one of the schemes of action and the output im- pulse or potential varies with its load. The decadal reckoners and schemes of action may be constructed of various contactless elements. The principles of the decadal reckoner are also shown. The decadal reckoners operate on a binary decimal diodal matrix, to whose out- put a suitably chosen negative potential is applied. A formula is				1
	use in autor Fig. 2. The lated by th correspondi gative or p ceeds only pulse or po schemes of The princip reckoners o put a suita	matic control circu impulse generator e decadal reckoners ng to the numbers O ositive potentials. along one of the so tential varies with action may be const les of the decadal	IG produces impulses which are calcu- is. The decadal reckoners have outputs),1,2,3,4,5,6,7,8,9 in the form of ne At a given moment the potential pro- chemes of action and the output im- h its load. The decadal reckoners and tructed of various contactless elements. reckoner are also shown. The decadal decimal diodal matrix. to whose out-	

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S/102/60/000/005/004/008 D251/D305 given for the necessary number of triodes in the scheme of operation, and a table for the number of elements required for commutators with different numbers of switching points. There are 4 figures, 2 tables and 2 Soviet-bloc references. SUBMITTED: June 1, 1960

APPROVED FOR RELEASE: 06/06/2000

ACCESSION NR: AP4013546 S/0102/64/000/001/0019/0028	
AUTHOR: Belima, O. S. (Belima, A. S.) (Kiev)	•
TITLE: Investigation of a discrete centralized information-collecting system with cyclo-sporadic action	•
SOURCE: Avtomaty*ka, no. 1, 1964, 19-28	•
TOPIC TAGS: information collection, information collecting automatic system, cyclo sporadic system, embedded Markov chain	
ABSTRACT: 'An information-collecting system with random cycle duration is 'theoretically investigated. The system, called "cyclo-sporadic," serves s	
continuously time-variable processes and m sporadic (Poisson's) flows of information. The embedded Markov chain method is used in the investigation. Formulas are developed that present the fundamental characteristics of the above system. Orig. art. has: 2 figures and 30 formulas.	•
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continuously time-variable processes and m sporadic (Poisson's) flows of information. The embedded Markov chain method is used in the investigation. Formulas are developed that present the fundamental characteristics of the above system. Orig. art. has: 2 figures and 30 formulas. ASSOCIATION: none SUBMITTED: 10Dec62 DATE ACQ: 14Feb64 ENCL: 00	

CIA-RDP86-00513R000204320008-2

BELINKOTOV, B.Kh. (poselok Terek, Kabardino Balkarskov ASSR, ul. Pushkina, 122) Torsion of the greater omentum. Vest. khir. 92 no.5:78 My '64. (MIRA 18:1) 1. Iz Terskov rayonnov bol'nitsy (glavnyv vrach - V.A. Yaroshok) Kabardino-Balkarskov ASSR.

APPROVED FOR RELEASE: 06/06/2000

ACC NRI AP6017707	SOURCE CODE: UR/0105/66/000/001/0085/0085
AUTHOR: Belimov, A. G.; Ikhteyman, F. Koval'chuk, P. A.; Levit, G. O.; Strel	M.; Kaporulin, K. N.; Kashkarov, G. E.; H&
ORG: none	6
TITLE: Professor (A. K. Darmanchev (on	his 70th birthday)
SOURCE: Elektrichestvo, no. 1, 1966,	85
TOPIC TAGS: electric engineering perselectric motor	connel, academic personnel, electric power plant,
faculty of the Leningrad Polytechnical for the connection of asynchronous mot	manchev graduated from the electromechanical Institute in 1925. He developed new rules ors to power supplies and investigated the and systems between then and 1931. From
1935-1946, he was the head dispatcher	of Lenenergo. He was the chief of the Moscow
1935-1946, he was the head dispatcher Combined Dispatcher Administration of been active in higher education teachi	of Lenenergo. He was the chief of the Moscow Central Power Systems in 1946-7. He has also ng, and is the author of an authoritative tems. Orig. art. has: 1 figure. [JPRS]
1935-1946, he was the head dispatcher Combined Dispatcher Administration of been active in higher education teachi	of Lenenergo. He was the chief of the Moscow Central Power Systems in 1946-7. He has also ng, and is the author of an authoritative
1935-1946, he was the head dispatcher Combined Dispatcher Administration of been active in higher education teachi book on operative control of power sys	of Lenenergo. He was the chief of the Moscow Central Power Systems in 1946-7. He has also ng, and is the author of an authoritative
1935-1946, he was the head dispatcher Combined Dispatcher Administration of been active in higher education teachi book on operative control of power sys	of Lenenergo. He was the chief of the Moscow Central Power Systems in 1946-7. He has also ng, and is the author of an authoritative

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Technique of high-frequency apparatus and domestic industry. p. 170. (ELEKTROPRIVREDA, Vol. 7, no. 4, July/Aug. 1954, Beograd, Yugoslavia)

SO: Monthly list of East European Accessions, (EELL), EC, Vol. 4, no. 1 Jan. 1955, Uncl.

APPROVED FOR RELEASE: 06/06/2000

ACC NR: AP6020738	SOURCE CODE: UR/0136/66/000/006/0065/006	37
UTHOR Kolchin O P · Chuve	eleva, N. P.; Sumarokova, N. V.; Filipenko, V. V.;	R
Ien'shchikov, V. A.: Kadvahevak	kiy, V. S.; Belimov, N. I.; Abramovich, E. B.	J
DRG: none	6 11	-
	niobium and its alloys by hydrogenating compacted metals	8
and alloys		
SOURCE: Tsvetnyye metally, no.	6, 1966, 65-67	
TOPIC TAGS: metal powder, pow	der metal production, niobium, powder metallurgy,	
	der metal production, niobium, powder metallurgy,	
hydrogenation, niobium alloy		
hydrogenation, niobium alloy ABSTRACT: The report presents	a method for manufacturing high purity powders by hydro	-
hydrogenation, niobium alloy ABSTRACT: The report presents genating niobium or its alloys at lo	a method for manufacturing high purity powders by hydro ower temperatures (360 to 400C) and lesser excess hydrog	gen
hydrogenation, niobium alloy ABSTRACT: The report presents genating niobium or its alloys at lo pressures (up to 0.7 atm) than tho	a method for manufacturing high purity powders by hydro ower temperatures (360 to 400C) and lesser excess hydrog se commonly required. The process is even faster at the	gen
hydrogenation, niobium alloy ABSTRACT: The report presents genating niobium or its alloys at lo pressures (up to 0.7 atm) than tho reduced temperature levels. Hydr	a method for manufacturing high purity powders by hydro ower temperatures (360 to 400C) and lesser excess hydrog se commonly required. The process is even faster at the rogenation and milling techniques are given in detail for	gen
hydrogenation, niobium alloy ABSTRACT: The report presents genating niobium or its alloys at lo pressures (up to 0.7 atm) than tho reduced temperature levels. Hydr source materials derived by electr	a method for manufacturing high purity powders by hydro ower temperatures (360 to 400C) and lesser excess hydrog se commonly required. The process is even faster at the rogenation and milling techniques are given in detail for ron beam smelting or carbide heating processes. For the	gen
hydrogenation, niobium alloy ABSTRACT: The report presents genating niobium or its alloys at lo pressures (up to 0.7 atm) than tho reduced temperature levels. Hydr source materials derived by electr latter, direct yield of dehydrogena	a method for manufacturing high purity powders by hydro ower temperatures (360 to 400C) and lesser excess hydrog se commonly required. The process is even faster at the rogenation and milling techniques are given in detail for ron beam smelting or carbide heating processes. For the ated powder was 91.4%, total yield 98.3%, unaccountable la	gen 085
hydrogenation, niobium alloy ABSTRACT: The report presents genating niobium or its alloys at lo pressures (up to 0.7 atm) than tho reduced temperature levels. Hydr source materials derived by electr latter, direct yield of dehydrogena	a method for manufacturing high purity powders by hydro ower temperatures (360 to 400C) and lesser excess hydrog se commonly required. The process is even faster at the rogenation and milling techniques are given in detail for ron beam smelting or carbide heating processes. For the	gen 085

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-	28(5) AUTHORS: TITLE: : PERIODICAL: ABSTRACT:	SOV/32-25-5-46/56 Malyusov, V. A., Malafeyev, N. A., Umnik, N. N., Glazunov, D. N. Belin, B. S. Multistage Column for Molecular Distillation (Mnogostupen- Multistage Column a dlya molekulyarnoy distillyatsii) chataya kolonna dlya molekulyarnoy distillyatsii) Zavodskaya Laboratoriya, 1959, Vol 25, Nr 5, pp 629-630 (USSR) Zavodskaya Laboratoriya, 1959, Vol 25, Nr 5, pp 629-630 (USSR) A multistage horizontal column of glass with a metallic condenser A multistage horizontal column of glass with a metallic condenser Mas constructed and tested (Fig 1). The lower part of the was constructed into individual step-like segments; each divided into individual step-like segments; each
		column is divided a small shovel blade set up at interval is segment contains a small shovel blade set up at interval is segment. The which acts as a condenser for each individual segment. The which acts as a condenser for each individual segment. The vacuum unit consists of a rough-vacuum oil pump of the type MM-40-AM. The vn-461-M and a diffusion oil pump of the type MM-40-AM. The vn-461-M and a diffusion oil pump of the type MM-40-AM. The volumn was tested with binary mixtures of octoyl-octoyl S and column was tested with binary mixtures of octoyl-octoyl S and ibutylphthalate-dibutylacelate. The efficiency of the column dibutylphthalate-dibutylacelate. The efficiency of the step-like depends on the charging and the dimension of the step-like segments and increases with the length of the column. With a segments and increases with the length of the step-like segments medium charge of 7-10 g/cm ² , columns with step-like segments are shown the step-like segments are shown th
		17 mm long have an efficiency of 0.6. The diagram shows segments 34 mm long an efficiency of 0.6. The diagram shows distillation of a quaternary mixture in a column with 11 step-
	Card $1/2$	erence.

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CIA-RDP86-00513R000204320008-2

EELIN, Ivo, dr (Zagreb)

International textile market. Tekstil Zagreb 13 no.4:293-299 Ap '64.

Clothing industry in the countries of the European Common Market, Ibid.:299-302

Future of the textile industry. Ibid.: 302-305

1. Economic and Legal Consultant.

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000204320008-2

EELIN, Ivo, dr. Reconstruction, rationalization, and rehabilitation of the cotton industry. Tekstil Zagreb 13 no.5:398-401 My '64. Textile industry of the U.S.S.R. Ibid.: 396-397 International textile market. Ibid.: 383-397 1. Economic and Legal Consultant, Zagreb.

APPROVED FOR RELEASE: 06/06/2000

BELIN, Ivo, dr

International market of textiles. Tekstil Zagreb 13 no.6:463-471 Je 164.

Conditions in the textile industries in various countries. Ibid.:472-475











APPROVED FOR RELEASE: 06/06/2000



BELIN, P.; BENCKO, V.; PETRAN, J.

Air pollution in Svit during 1962. Source of pollution, its characteristics and degree in relation to environment. Cesk. hyg. 9 no.2173-77 Mr'64

1. Okresna hygienicko-epidemiologicka stanica, Poprad.

APPROVED FOR RELEASE: 06/06/2000

27 C. A

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X

ZIOLKOWSKI, Zdzislaw; BELINA, Danuta

Heights of the transfer unit for the aqueous solution of sodium sulfate and sulfite - phenol - benzene system. Chemia stosow 6 no.2:167-190 $^{+62}$.

1. Zaklad Inzynierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, i Katedra Inzynierii Chemicznej, Politechnika, Wroclaw.

APPROVED FOR RELEASE: 06/06/2000

BELINA, L. V. Cand Ped Sci -- (diss) "The Enrollment of the Adolescent Been-Age-Ghild in the Komsomol Organization as a Factor in His Moral Education." Mos, 1957. 12 pp 21 cm. (Min of Education H RSFSR, Mos Oblast Pedagogical Inst), 100 copies (KL, 16-57, 101) -22-

	ACC NR: AP5026754	A
	SUCRCE COLE: UR/0286/65/000/017/0028/0028	
	INVENTOR: Belina, M. T.; Orlov, V. N.; Paranin, V. A.	
	TITLE: A diode switch. Class 21, No. 174234 [announced by the Enterprise of the State Committee on Radio Electronics SSSR (Predpriyative Gosudarstvennogo komiteta	
	SOURCE: Byulleten' izobreteniy i tovarnykh znakov, nc. 17, 1965, 28 TOPIC TAGS: <u>switching circuit</u> , electronic commutator	
	ABSTRACT: This Author's Certificate introduces a diode switch which contains four commutating elements interconnected in a ring circuit. Connected to the switch unit are controlling voltage sources and the channels to be switched. The number of chan- nels which can be switched is increased by connecting these channels to the common points between the arms of the ring circuit which contain the commutating elements. These elements are connected to independent controlling voltage sources and two iso- lation capacitors are connected in each of the arms.	
	UDC: 621.318.57	
	<u>Card 1/2</u>	
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APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000204320008-2

RTTLE: Vascular tonus changes in hypodynamia (Paper presented at the Conference on Problems of Space Kedicine held in Moscow from 24 to 27 May 1966.) SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 92-93 FOPIC TAGS: hypodynamia, cardiovascular system, electrocardiography, human physiology RESTRACT: The present study was made in collaboration with the Physiology Section of the Central Scientific Research Institute of Physical Culture (Section Head, Professor A. V. Korobkov, Lab Chief Candidate of Biological Sciences A. A. Korobova), where the hypodynamia experiments, in which highly-trained young athletes were kept 10 days in a horizontal position without movement, were set up. In order to determine the effect of prolonged hypodynamia on vascular tonus, a pre-experimental study was made in which simultaneous recordings were made using a "Kardireks" polycardiography system of the 2d	ACC NR: AT6036515	SOURCE CODE: UR/0000/66/000/000/0092/0093
TITLE: Vascular tonus changes in hypodynamia [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24 to 27 May 1966.] SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 92-93 TOPIC TAGS: hypodynamia, cardiovascular system, electrocardiography, human physiology ABSTRACT: The present study was made in collaboration with the Physiology Section of the Central Scientific Research Institute of Physical Culture (Section Head, Professor A. V. Korobkov, Lab Chief Candidate of Biological Sciences A. A. Korobova), where the hypodynamia experiments, in which highly-trained young athletes were kept 10 days in a horizontal position without movement, were set up. In order to determine the effect of prolonged hypodynamia on vascular tonus, a pre-experimental study was made in which simultaneous recordings were made using a "Kardireks" polycardiography system of the 2d	AUTHOR: Vasil'yeva, V. Ye.; B	elina, O. N.; Vasil'yova, T. D.
 meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 92-93 TOPIC TAGS: hypodynamia, cardiovascular system, electrocardiography, human physiology ABSTRACT: The present study was made in collaboration with the Physiology Section of the Central Scientific Research Institute of Physical Culture (Section Head, Professor A. V. Korobkov, Lab Chief Candidate of Biological Sciences A. A. Korobova), where the hypodynamia experiments, in which highly-trained young athletes were kept 10 days in a horizontal position without movement, were set up. In order to determine the effect of prolonged hypodynamia on vascular tonus, a pre-experimental study was made in which simultaneous recordings were made using a "Kardireks" polycardiography system of the 2d 	ORG: none	
(Section Head, Professor A. V. Korobkov, Lab Chief Candidate of Biological Sciences A. A. Korobova), where the hypodynamia experiments, in which highly-trained young athletes were kept 10 days in a horizontal position without movement, were set up. In order to determine the effect of prolonged hypodynamia on vascular tonus, a pre-experimental study was made in which simultaneous recordings were made using a "Kardireks" polycardiography system of the 2d	Problems of Space Medicine held SOURCE: Konferentsiya po prob.	d in Moscow from 24 to 27 May 1966.7 Lemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy
Section of the Central Scientific Research Institute of Physical Culture (Section Head, Professor A. V. Korobkov, Lab Chief Candidate of Biological Sciences A. A. Korobova), where the hypodynamia experiments, in which highly-trained young athletes were kept 10 days in a horizontal position without movement, were set up. In order to determine the effect of prolonged hypodynamia on vascular tonus, a pre-experimental study was made in which simultaneous recordings	TOPIC TAGS: hypodynamia, card: space physiology	iovascular system, electrocardiography, human physiology,
tonus, a pre-experimental study was made in which simultaneous recordings were made using a "Kardireks" polycardiography system of the 2d	Section of the Central Sci (Section Head, Professor Biological Sciences A. A. which highly-trained your	entific Research Institute of Physical Culture A. V. Korobkov, Lab Chief Candidate of . Korobova), where the hypodynamia experiments, in ng athletes were kept 10 days in a horizontal
Card 1/4	tonus, a pre-experimenta	al study was made in which simultaneous recordings
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ACC NR: AT6036515

standard EKG lead and sphygmograms of the radial artery and the artery of the tip of the middle finger with the subjects in a state of rest; from the known speed of the recording tape it was possible to compute the pulse wave propagation rate (PWPR) in elastic and muscular vessels.

An identical study was made, using the same method, after the subjects thad remained motionless for 10 days.

Analysis of the data obtained showed that the rate of pulse wave propagation along elastic vessels was not noticeably changed by 10 days of hypodynamia.

At the same time, purely muscular vessels (the arteries of the hand) changed considerably in their elastic-plastic properties, as shown by sharp change in the rate of propagation of pulse waves along muscle-type vessels.

Earlier investigations had shown that in highly-trained athletes the speed of propagation of pulse waves along muscle-type vessels was high, considerably exceeding (sometimes by a factor of two) the pulse wave propagation rate seen in the muscular vessels of persons of the same age but not participating in sports. We also established that athletic training Cord 2/4

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ACC NRi AT6036515 noticeably increases the rate of pulse wave propagation along muscular	-	
vessels.	•	
In the present subjects, who were in a good state of training and were athletes of high accomplishments, we also found high values for pulse wave propagation along muscle-type vessels at the beginning of the experi- ment, from 630 to 880 cm/sec and averaging 746 cm/sec.	•	
Immediately following hypodynamia, the same subjects showed a pulse wave propagation rate along muscle-type vessels of 430 to 730 cm/sec, averaging 518 cm/sec. This considerable decrease in pulse wave propaga- tion rate along muscle-type vessels was observed in all 8 subjects exposed to hypodynamia.	· • • • • •	
Decreased speed of propagation of pulse waves along muscle-type vessels due to hypodynamia is fully to be expected, since heightened physical activity in man requires increased tonus of the muscular elements of vascular walls as a physiological mechanism enhancing movement of the pulse flow of blood during intensive physical activity. Since tonus here means the dynamic phenomenon associated with high activity of the contractile elements of vessel walls, considerable decreases in		
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	th	e logic	al res	ult of pr	olong	ed hypod	lynamia	a./ [W.	A. No.	regarded a 22; ATD Rep	s ort 66-	<u> </u>	
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GOVZMAN, I BELINA R.

Organization of the work of adolescents in a shortened workday. Sots. trudno.8:76-78 Ag 156. (NIRA 9:10)

1. Nachal'nik planovo-proizvodstvennogo otdela Khar'kovskoy obyvnoy fabriki no.5 (for Govsman). 2.Nachal'nik otdela truda i zarabotnoy platy. (Shoe industry) (Children--Employment)

APPROVED FOR RELEASE: 06/06/2000



BELINA, T. N.

Dissertation: "Kinetics of Electrochemical Processes of the Ionization of Oxygen and Hydrogen Under Different Pressures." Cand Chem Sci, Inst of Physical Chemistry, Acad Sci USSR, Moscow, 1953.

¥-30928

SO: Referativnyy Zhurnal, No. 5, Dec. 1953, Moscow, AN USSR (1239355)

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