

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610019-5 ORFIGERING STREETS STRE

22.5255

:	,	11010 8/058/62/000/009/045/069 A006/A101
TEXT: vestigation distant re Voronezh-L	Referativnyy zh (In collection: 1961, 92 - 96; Results are gins at the Voronez of meter radiow ception: Voronez ondon (3,600 km)	<pre>stant ionospheric propagation of meter waves urnal, Fizika, no. 9, 1962, 28, abstract 9Zh169 "Ionosfern. issledovaniya, no. 9", Moscow, AN SSSR, "Ionosfern. issledovaniya, no. 9", Moscow, AN SSSR, ummary in English) wen which have been obtained in 1957 - 1958 from in- h State University on the ultra-distant ionospheric h State University on the ultra-distant ionospheric aves. The following radiotracks were used for ultra- aves. The following radiotracks were used for ultra- in-Prague (2,000 km), Voronezh-Budapest (about 1,300 km); h-Prague (2,000 km), Voronezh-Budapest (about 1,300 km); and Voronezh-Paris (about 2,800 km). It was found the F2 layer, and in the evening only in the presence the F2 layer, and in the summer vanish or attenuate the Maximum ultradistant radio reception of meter waves is in January - February, and for the E_{spor} layer in </pre>
Card 1/2		

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610019-5"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5

On the ultra-distant ionospheric...

S/058/62/000/009/045/069 A006/A101

July - August. Distortions of the wide band of modulating frequencies are higher in reflection from layer F_2 than from layer $E_{\rm spor}$. These distortions occur both in the frequency with changes in the modulation depth, and in the phase during reflection from several ionized layers. In reflection of meter waves from layer $E_{\rm spor}$ repeated contours of the image received occurred frequently. They are caused by signals which arrive with 1 - 3 μ sec delay. This corresponds obviously to the presence of sharp stratification even at about 300 - 900 m distance between the layers.

[Abstracter's note: Complete translation]

Card 2/2

APPROVED FOR RELEASE: 04/03/2001

1842

• •

BALLARADDE VARANARADA DA BARANARADA MARANARADA MARANARADA MARANARADA MARANARADA MARANARADA MARANARADA MARANARAD

10711

S/169/62/000/008/086/090 E032/E114

E032/EIII
Trifonov, P.M. On ultra long range ionospheric propagation of meter
<pre>waves waves Referativnyy zhurnal, Geofizika, no.8, 1962, 28, abstract 8 G 215. (In the Symposium: 'Ionosfern. abstract 8 G 215. (In the Symposium: 'Ionosfern. issledovaniya no.9' ('Ionosphere studies no.9'), issledovaniya no.9' ('Ionosphere studies no.9'), M., AN SSSR, 1961, 92-96). (abstract in English). M., AN SSSR, 1961, 92-96). (abstract in English).</pre>
M., AN SSSR, 1961, 92-96). (abstructure M., AN SSSR, 1961, 92-96). (abstructure Reports results of studies of the conditions necessary ong range ionospheric propagation of television signals routes Voronezh-Prague, Budapest, London and Paris, which routes Voronezh-Prague, Budapest, London and Paris, which ied out in the Kafedra radiofiziki (Department of Radio ied out in the Kafedra radiofiziki (Department of Radio of the Voronezhskiy universitet (Voronezh University) of the

On ultra long range ionospheric ...

S/169/62/000/008/086/090 E032/E114

and a single half-wave vibrator. The results of the experiments are illustrated with graphs showing the field-strength of signals received from Prague, London and Budapest at 25 m above ground level (averaging time of 1 min) as a function of the time of day and year. Ultra long range winter propagation of signals in the ultra short wave range during the day is associated with the scattering of radio waves by ionospheric F2-layer irregularities, and in the evening hours with the presence of the E_s layer in the ionosphere. During the propagation of radio waves through the F2-layer a larger distortion in the signal characteristics was observed (frequency and phase) than in the propagation through the E_s layer. In the case of reflection of radio waves from the E_s layer, repeated image contours appeared and corresponded to a signal delay of 1-3 µsec relative to the arrival of the main signal. This is explained by a clearly defined stratification of the E_s -layer with the separato layers at a distance of 300-900 m from each other.

Card 2/2 Abstractor's note: Complete translation.

APPROVED FOR RELEASE: 04/03/2001

9.9810	41953 S/194/62/000/009/068/100 D295/D308
AUTHOR :	Trifonov, P. M.
TITLE:	On ultra-distant ionospheric propagation of meter waves
PERIODICAL:	Referativnyy zhurnal, Avtomatika i radioelektronika, no. 9, 1962, 28, abstract 9Zh169 (In collection: Io- nosfer. issledovaniya, no. 9, M., AN SSSR, 1961, 92-96 (summary in Eng.))
at the voron pagation of p km), Voronez ronezh-Paris distant receptant propaga	esults of an investigation carried out in 1957 - 1958 esh State University on ultra-distant ionospheric pro- meter waves are reported. The Voronoezh-Prague (2000 h-Budapest (~1300 km), Voronezh-London (3600 km), Vo- (~2800 km) radio routes have been used for ultra- bion. It has been found that in winter the ultra-dis- cion of meter-wavelength radio waves occurs via the ang day time, and only in the presence of sporadic E
Card 1/2	

International Contractions of the Contraction of th	MANTHER BRANCH BANK BANK	ENANGEREZENDER ER STELEN S	司 但这句话是明朝 朝廷等者曾Allundarian		
On ult	tra-distant .		1295/150	ver in summer	
• eithe possi the F Augus more Espon	r vanish of w ble ultra-dis 2 layer in Ja 5t. Distortion significant f layer. There he modulation	ng. Reflections fr eaken 1 to 2 hours tant radio reception unary-February, an for reflection from e are both frequence percent and phase ayers. In the pres layer the rece by signals arrivin	d for the E _{spo} of modulating f the F ₂ layer cy distortions distortions fo ence of reflect	r layer in July requencies are than from the with variation or reflection from tion of meter	ι×
wave ted appa even ter	loops caused	ayers. In the pro- layer the rece by signals arrivin sponds to the prese ces of ~300 - 900 m lete translation/	ence of marked between the l	sec delay, and stratifications ayers. / Abstrac-	

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5

ACCESSION NR: AP4015256

s/0106/64/000/002/0031/0035

AUTHOR: Trifonov, P. M.; Budko, V. N.; Zotov, V. S.

TITLE: Structure of space fluctuations of vhf field strength in a city

SOURCE: Elektrosvyaz', no. 2, 1964, 31-35

TOPIC TAGS: vhf waves, vhf field strength, radio field strength in city, radio wave city distribution, Rice-Norton distribution, Rayleigh distribution, log normal distribution

ABSTRACT: An experimental study is reported of the radio field strength distribution in the streets of a city which had 5-story buildings in its center. A 50-w transmitter was operated at 50, 150, and 300 mc with a vertical polarization, while reception was continuously and automatically recorded on a vehicle moving in the streets. Statistically processed records permitted arriving at these conclusions: (1) Space fluctuations of the field are regular with a period of over $\lambda/2$; (2) The period is independent of the wavelength and is but little dependent upon the type of built-up area; (3) At close range to the transmitter,

Card 1/2

APPROVED FOR RELEASE: 04/03/2001

52-265开

ACCESSION NR: AP4015256 the fluctuation distribution is			
apparently, the close-range m of the mean-field-component distributed according to the R in narrow streets, the Raylei general case, the space field Rice-Norton function. Orig.	amplitude over the sum of r ayleigh law; at longer range igh distribution is expected t distribution can apparently	eflected rays, which a es or near high building to prevail; (4) In the be expressed by the	re
ASSOCIATION: none SUBMITTED: 26Jul63	DATE ACQ: 12Mar64	ENCL: 00	
SUB CODE: CO	NO REF SOV: 002	OTHER: 002	
			•
·			•
Card 2/2			

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610019-5"

1

TRIFONOV, P.M.; BUDKO, V.N.; ZOTOV, V.S.

Structure of the spatial fluctuations of the field intensity of microwaves in a city. Elektrosviaz' 18 no.2:31-35 F '64. (MIRA 17:3)

APPROVED FOR RELEASE: 04/03/2001

2

``

CIA-RDP86-00513R001756610019-5"

	9783-60_EWT(1)/FCC/EVIA(h)RB/GW ACC NR: AP5025485 SOURCE CODE: UR/0203/65/005/005/0020/00/1
	010 010 010 010 010 010 010 010 010 0441
	AUTHOR: Trifonov, F.M.; Budko, V.N.; Zotoz, V.S.
	49,26 44.56 44.55
	ORG: Voronezh State University, Department of Radiophysics (Voronezhskiy
1	gosudarstvennyy universitet, Kafedra radiofiziki)
	TITLE: Some results on the observation of distribution of meter wavelength radio signals from the layer E_{g}
	SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 5, 1965, 939-941
; [TOPIC TAGS: electronic signal, radio wave propagation, signal distortion, <u>E lager</u> , <u>magnetic field</u> intensity
	ABSTRACT: The occasional anomalously far propagation of radio and TV a gnals is a common phenomenon. The observations of public and private stations, made during 1954-58, were summarized and the time of the beginning and the end of signals, their amplitude, and the coordinates of the signal sources were de- termined. The results, represented graphically, showed that the anomaliously far
	1/3
	UDC: 550. 388.2

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5

L 9783-66

ACC NR: AP5025485

propagation of ultra-short waves had a seasonal character. No effect was observed of the ll-year cycle of solar activity on this propagation. The highest probability for receiving the anomalously distant signals was during evening hours. The spatial field intensity increased about proportionally with the increased number of reception days. During August and especially September, the field intensity of received signals sharply decreased and its value approached 400 - 500 μ v/m. The probability of anomalous reception was inversely proportional to the signal frequency. The maximum duration of anomalous receptions was 1.5 - 2 hours, during which signals with constant field intensity and fluctuating signals were received. The TV images on the screen often had "repetitions" indicating the arrival of the repeated signals which lagged behind. Geometrical calculations and some assumptions suggested that the anomalously distant radio receptions of the mater-long waves were caused by the presence in the ionosphere of the sporadic layer E_g . The data on the number of days of anomalous radio receptions and the values of the spatial field intensity suggested that (1) the reflection of signals from the E_g layer occurred at the high values of field intensity (June - July), or (2) the signals were scattered from the Eg layer when the field intensity was low (April, August, and especially September). The Es layer had a cloud-like structure in addition to its seasonal 2/3

APPROVED FOR RELEASE: 04/03/2001

ACC NR: AP5025485		-	0
character. Orig. art. has: 1	figure.		
SUB CODE: 04,17/SUBM DATE: 10A			
• • • • • • • • • • • • • • • • • • •	a an An		•
•			1
	··· ·		
	······		
$\partial \alpha$			-

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5



APPROVED FOR RELEASE: 04/03/2001

过度的现在分词是有多少的。

CIA-RDP86-00513R001756610019-5

TRIFONOV, S. Effective use of new equipment in commerce. Sov. torg. 33 no.8:8-12 Ag '59. (Stores, Retail--Equipment and supplies) (MIRA 12:11)

A#1 新生产品的部分 7世界影响和意大利的大学会和自己的不同的变化的是这个人的变形的第一级,这些的对一个外的进行的人。 2010年代,他们的大学们的人们不能在这个人们的人们

	BULGARIA/D	lse	uses of Farm Animals - Discases Caused by Viruses R-3
r			and Rickettsiae.
	Abs Jour	:	Ref Zhur - Biol., No 14, 1958, 64655
	Author	:	Ivanov, Ks., Zhelev, Vl., Trifonov, St.
	Inst	:	Institute of Experimental Veterinary Medicine of the Bulgarian Academy of Sciences, Igarian Sciences.
	Title	:	The Study of the Morphological Changes in Swine Plague in Relation to the Diagnostic Griteria of this Disease. 7. Changes in the Genito-Urinary Organs.
	Orig Pub	:	Izv. I _n -ta eksperim. vet. med. B"lgar. AN, 1956, 4, 197- 212.
	Abstract	:	The investigation of the genitourinary organs of a consi- derable number of pigs sacrificed on the 4th-6th day fol- lowing experimental infection with plague disclosed the presence of microscopic hemorrhages in the uterus and
	Card $1/2$		
			- 17 -

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610019-5"

THE REAL PROPERTY AND ADDRESS OF A DREAM

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5

TAL SECTION FOR THE PARTY AND A REPORT

BULGARIA/Discases of Farm Animals - Discases Caused by Viruses R-3 and Rickettsiae.

Abs Jour : Ref Zhur - Biol., No 14, 1958, 64655

ovaries in 11.1%, in the ureters in 8.9%, in the urethra in 26.8%, and in the bladder in 66% of cases. In 57% of cases, macroscopic hemorrhages were detected in the bladder, Histological investigations showed the presence of diffuse or focal lymphoidocytic infiltrates (sometimes also containing lymphocytes, neutrophils, eosinophils and erythrocytes) in the ovaries in 5.5%, in the uterus in 22.2%, in the ureters in 28.5%, in the urethra in 44.7%and in the bladder in 50% of cases. In the nucous menbrane of the bladder, ureters and urethra, a desquaration and hyperplasia of the surface epithelium was observed. The authors consider that the above named changes may serve as diagnostic symptoms of the acute plague in swine. The predominant affectibility of the bladder is attributed by the authors to the prolonged presence of urine with a high content of the plague virus in it.

Card 2/2

APPROVED FOR RELEASE: 04/03/2001

THERE AND THE CONTRACT OF A STATE OF A



tellernen ville heisen for an einen einen einen einen seinen von einen einen einen einen einen seinen seinen einen einen seinen se

BAKAREV, P.I., inzh., Geroy Sotsialisticheskogo Truda; TRIFONOV, S.M., inzh. Construction of the footings of a bridge over the Ugra River on columnar foundations. Transp. stroi. 12 no.6:17-19 Je '62. (MIRA 15:6) (Ugra River-Bridges-Foundations and piers)

APPROVED FOR RELEASE: 04/03/2001

i KIto	אוניא ^ו די ; f.
AUTHORS:	Tatarinov, B.P. and Trifonov, S.M., Ingenieurs. 177
TITLE:	The effects/reinforcing sets on the technology of manufacturing prestressed reinforced bridge constructions. (Vliyaniye konstruktsii armaturnykh puchkov na tekhnologiyu izgotovleniya predbaritel'no napryazhennykh zhelezobetonnykh proletnykh stroyenii).
PERIODICAL:	"Beton i Zhelezobeton" (Concrete and Reinforced Concrete), 1957, No.3, pp.106-107 (U.S.S.R.)
	The TSNII MPS designed the above construction under the leadership of A.P. Korovkin, Cand.Tech.Sciences in 1946. The drawback of this construction was in the manufacture of sets of reinforcement and in their effect on the construction as many executed adaptations and modifications showed. The first reinforced bridge construction was erected on the line Kursk-Kharkov. Anchoring blocks were formed externally on both sides of the sets of reinforcement but no protective pipes or mortar injection was used. Bitumen was injected into the channels. In later constructions, up to 1951 anchoring blocks were used but, on the advice of the TSNII, protective pipes were incorporated as well as the injection of cement grout after tensioning. Difficulties arose because of the friction between these and the reinforcement. After 1951 E. A. Troitskii (TSNIIS Mintransstroi) invented a new method of anchoring the

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5

The effects of reinforcing sets on the technology of 178 manufacturing prestressed reinforced bridge constructions. (Cont.)

sets of steel reinforcement internally. The majority of structures after 1951 showed a reduced tendency of crack formation. An analysis of data of 24 prestressed reinforced constructions (each 23 m long) in 1953 showed losses in pretensioning between 58 to 82%. The improved design partly eliminated crack formation. The losses are to some extent due to the different coefficient of elongation. Vibration methods for the consolidation must be used. Strict control of tensioning of the reinforcement and of injecting the cement grout are recommended.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610019-5"

的法国法法

L 4368-66 ICC NR AP5028423	SOURCE CODE: BU/0011/65/018/001/0047/0050
THOR: Trifonov, T.	B
G: Station for Veterinary Med	icine, Burgas (Veterinarmedizinische Station)
	Simondsia paradoxa Cobold, 1864
	naukite. Doklady, v. 18, no. 1, 1965, 47-50
OPIC TAGS: animal parasite, er	ntomology, morphology
n-t za zarazni i parazitni bolo ung beatles Caccobius schreberi ntermediate biological hosts o eported in this paper show that hould be added to the above-men uthor was able to isolate from estation. This should be the if Simondsia paradoxa Cobold 18 ogether with a brief descripti resented by K. Matoff, Correspond	e author reported earlier (see, Tsent. veterin. esti, 1962, Book 5; Ibid., 1964, Book 9) that , Oniticellus fulvus, and Copris hispanus are f the Simondsia peredoxa. Further investigations t Gymnopleurus mopsus and Outhophagus furcatus ntioned intermediate hosts. After 34 days the these hosts larvae capable of further in- first such experimental production of larvae 64, and the article presents their pictures on of their morphological properties. The work was onding Member, 28 Aug 64. Orig. art. has: 1 figure, 8Aug64 / ORIG REF: 002 / SOV REF: 001
Card 1/1 auli	

CIA-RDP86-00513R001756610019-5

TRIFONOV, T.

由于由国王的关系,在国王的

Intermediate hosts of Physocephalus sexalatus and Ascarops stronglylina in the Burgas District. Izv Vet inst zaraz parazit 7 181-185 '63.

Intermediate hosts of Macracanthorhynchus hirudinaceus (Pallas, 1781). Ibid.:187-189.

A new intermediate host of Gongylonema pulchrum. Ibid.:191-193.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5

TRIFONOV, Tr.

Onticellus fulvus Goeza and Copris hispanus 1. as intermediate hosts to certain helmints in swine. Izv Vet inst zaraz parazit 9:185-190 *63.

A STATISTIC BERTAR CONSARCHS

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610019-5"





CIA-RDP86-00513R001756610019-5

STOIMENOV, Kr.; TRIFONOV, Tr.

STATISTICS AND ADDRESS AND ADDRESS ADD

Studies on the helminthofauna of gray partridges [Perdrix perdrix perdrix L.) in the eastern districts of algaria. Izv khelmint lab BAN 9:125-128 '64.

TRIFONOV, Tr. MESHKOV, St.

COLARD STA

鉛

Distribution of Taenia pisiformis in dogs and Cysticercus pisiformis in hares in the Burgas District. Izv khelmint lab BAN 9:135-139 '64.

APPROVED FOR RELEASE: 04/03/2001

HARDRESS PERSONNAL TEXT

CIA-RDP86-00513R001756610019-5

'IRIFONOV, Trifon Drawing up normative graphs. Trud tseni 4 no.4:32-45 :62.

CIA-RDP86-00513R001756610019-5

TRIFONOV, V.; LIBEHMAN, G.

Outstanding drivers share experience. Zhil.-kom. khoz. 13 no.1:18 '63. (MIRA 16:3)

1.Rabotniki Upravleniya gorodskogo elektrotransporta Ministerstva kommunal'nogo khozyaystva RSFSR.

(Rapid transit-Congresses)

APPROVED FOR RELEASE: 04/03/2001 0

APPROVED FOR RELEASE: 04/03/2001

TANKI 264 MG TIRORINAN MUMARI SELARAN MUMARIKA SERIAN MUMARIKA SELARA **计包设计公司和中国局心会**有关的社会有关2%和正式2%的时间。5%在15%的 TSZEN VEN'-TSZIN [Tsông Wên-ching]; PEKSHEV, Yu.A., kand.ekonom.nauk [translator]; TRIFONOV, V., red.; TROYANOVSKAYA, N., tekhn.red. [Socialist industrialization of China] Sotsialisticheskaia industrializatsiia Ķitaia. Moskva, Gos.izd-vo polit.lit-ry, 1959. 380 p. (MIRA 12:12) Translated from the Chinese. (China--Industrialization)

VINOGRADOV, V.; TRIFONOV, V.; YEL'KIN, I.

More on the stage system. Prof.-tekh. obr. 22 no.6:26-27 Je 165. (MIRA 18:7)

l. Nachal'nik upravleniya organizatsii truda i tekhniki bezopasnosti Soveta narodnogo khozyaystva RSFSR (for Vinogradov).

APPROVED FOR RELEASE: 04/03/2001

1

1945

期目的目标





APPROVED FOR RELEASE: 04/03/2001



APPROVED FOR RELEASE: 04/03/2001




"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610019-5 and and an and a state of the second of the second s HARASH ST. 计和公司法律 711 BELOUSOV, Rem Aleksandrovich; TRIFONOV, V., red.; TROYANOVSKAYA, N., tekhn.red. [For a better life] Vo imia luchshei zhizni. Moskva, Gos. (MIRA 13:3) izd-vo polit.lit-ry, 1959. 68 p. (Russia--Economic policy)

BIKHTLER, K. (Germanskaya Demokraticheskaya Respublika); GERTSOVICH, G. (Sovetskiy Soyuz); TRIFONOV, V., red.; POPOVA, T., tekhn.red.

> [A socialist bridgehead in the West] Forpost sotsializma na Zapade. Moskva, Gos.izd-vo polit.lit-ry, 1959. 334 p. (MIRA 13:4) (Germany, East--Economic conditions)

APPROVED FOR RELEASE: 04/03/2001

经到限

all ale

创建的资料

KHVAN DO YEN [Hwana, Do-yong]; TRIFONOV, V., red.; TROYANOVSKAYA, N., tekhn.red.

[Postwar reconstruction and development of the national economy of the Korean People's Democratic Republic] Poslevoennoe vosstar.ovlenie i razvitie narodnogo khoziaistva KNDR. Moskva, Gos. izd-vo polit.lit-ry, 1958. 109 p. (MIRA 12:9)

1. Zamestitel' predsedatelya Gosplana i nachal'nik TSentral'nogo statisticheskogo upravleniya Koreyskoy Narodnoy Demokraticheskoy Respubliki (for Hwana).

(Korea, North--Economic conditions)

APPROVED FOR RELEASE: 04/03/2001

Ţ

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610019-5 REFERENCESCO SERVICES **FULLOWING SCHOOL** SIDIKHMENOV, Vasiliy Yakovlevich; TRIFONOV, V., red.; MUKHIN, Yu., tekhn.red. -[Great victory] Velikaia pobeda. Moskva, Gos.izd-vo polit. lit-ry, 1959. 110 p. (China--Economic conditions) (MIRA 12:12) 2月15日の点



CIA-RDP86-00513R001756610019-5

TRIFONOV, V.

经 副 伊耳

Industrialization of the Chinese People's Republic during the first five-year plan. Vop. ekon. no.7:82-93 J1 '58. (MIRA 11:8) (China--Hoonomic conditions)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610019-5"

7 A A

MIKHEYEV, Vladimir Ivanovich; TRIFONOV, V., red.; MUKHIN, Yu., tekhn.red.

[A leap into the future; an account of the building of socialism in the people's China] Skachok v budushchee; rasskaz o stroitel'stve sotsializma v narodnom Kitae. Moskva, Gos.izd-vo polit. lit-ry, 1959. 78 p. (MIRA 12:4) (China--Economic policy)

APPROVED FOR RELEASE: 04/03/2001

题框





CIA-RDP86-00513R001756610019-5

MARKOV, Valentin Vasil'yevich; SUSLOV, Nikolay Nikolayevich; <u>TRIFONOV</u>, Vadim Georgiyevich; <u>ANDREYEV</u>, V.V., retsenzent; <u>ARIFKHANOV</u>, U.Kh., retsenzent; <u>ARNO</u>, A.A., retsenzent; <u>DERBENEV</u>, S.I., retsenzent; <u>SHUSHKIH</u>, A.A., retsenzent; <u>MAKEYEV</u>, V.S., nauchnyy red.; DUKHOVNYY, F.N., red.; SHAPENKOVA, T.A., tekhn. red.

ana ana amin'ny tanàna mandritra mandritra dia kaominina mandritra dia kaominina dia kaominina dia kaominina di

[Primary processing of bast fibers] Pervichnaia obrabotka bianykh volokon. Moskva, Gos. izd-vo "Rostekhizdat," 1961. (MIRA 15:4) 463 p. (Textile machinery)

(Textile fibers)

APPROVED FOR RELEASE: 04/03/2001

÷.)

TRIFINOR, V.G.

Crebenlike structures and their origin in the porther. pert of the Jako Balkhoth region. Iredy 21% No.80-215-474 163.

CIA-RDP86-00513R001756610019-5

MAKARICHEV, V.V.; TRIFONOV, V.G.

. .

Panels made of foamed ash concrete for walls of industrial buildings. Prom. stroi. 39 no.5:19-22 '61. (MIRA 14:7) (Donets Basin--Precast concrete construction) (Lightweight concrete)

APPROVED FOR RELEASE: 04/03/2001

KOPP, M.L.; RASTSVETAYEV, L.M.; TRIFONOV, V.G. Tectonic joints formed by Holocene earthquakes in the central Kopetdag. Izv. AN SSSR Ser. geol. 29 no.7259-69 Jl '64 (MIRA 18:1) 1. Geologicheskiy institut AN SSSR i Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova, Moskva.

APPROVED FOR RELEASE: 04/03/2001

"APPROVED	FOR RELEASE:	04/03/	2001
-----------	--------------	--------	------

第二日的新闻和国家的和国家的公司中国

CIA-RDP86-00513R001756610019-5

TRIFONOV, V. G.

5

Remains of the Upper Paleozoic volcances in the Kalmakemel' syncline (central Kazakhstar). Izv. AN SSSE.Ser.geol. 29 no. 1:95-109 Ja '64. (MIRA 17:5)

1. Geológicheskiy institut AN SSSR, Moskva.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5

TRIFONOV, V.G.

民民族民族和政治的一個主要民族的政治和

•

Quantitative and qualitative characteristics of scutching tow. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.5:47-53 '59 (MIRA 13:3)

 Kostromskoy tekstil'nyy institut. (Cotton waste)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5

TRIFONOV, V.G.

Appraisal of retted flax straw. Izv.vys.ucheb.zav.; tekh.tekst. prom. no.6:3-10 '58. (MIRA 12:4)

1. Kostromskoy tekstil'nyy institut. (Flax)

TRIFONOV, V.G.
TRIFONOV, V.G.
Morphology of the Sayak trough in Kazakhetan (interrelationship
of shifts with fold structure). Izv. vys. usheb. zar.; geol.
i razv. 6 no.9:3-16 S '63. (MIRA 17:10)
1. Geologisheskiy institut AN SSSR.

APPROVED FOR RELEASE: 04/03/2001

BESSONOV, S.A.; VASIL'KOV, N.P., kand. ekon. nauk; VLASOV, V.A., kand. ekon. nauk; GLUKHAREV, L.I., kand.ekon. nauk; DANILEVICH, M.V., doktor ekon. nauk; ZHAMIN, V.A., doktor ekon. nauk, prof.; ZAKHMATOV, M.I., kand. ekon. nauk; KURAKIN, N.A., kand. ekon. nauk; PANOV. V.P.; SMIRNOV, G.V., kand. ekon. nauk, dots.; TRIFONOV, V.I., kand. ekon. nauk; TYAGAY,Ye.Ya.; FAMINSKIY, I.P.; KHODOV, L.G.; SHMIDT, G.A., kand. ekon. nauk, dots.; SHMIGOL', N.N., kand. ekon. nauk, dots.; MATSUK, R.V., red.; GARINA, T.D., tekhn. red.

> [The economy of foreign countries; the capitalistic system of the world economy after the Second World War]Ekonomika zarubezhnykh stran; kapitalistichaskaia sistema mirovogo khoziaistva posle Vtoroi Mirovoi voiny. Pod red. V.A.Zhamina. Moskva, Vysshaia shkola, 1962. 632 p. (MIRA 16:1) (Economic history)

APPROVED FOR RELEASE: 04/03/2001

HTMP MENERAL STREET, ST

CIA-RDP86-00513R001756610019-5"

TRIFONOV, V.I.

.1

Characteristics of Stutzer-Schmitz hydrogen sulfide forming dysenterial bacteria isolated during an outbreak of dysentery of food origin. Zhur.mikrobiol., epid. i immun. 32 no.11:131-132 N '61. (MIRA 14:11) (SHIGELLA AMBIGUA)

APPROVED FOR RELEASE: 04/03/2001

PODGORODETSKIY, I.A.; VISHNEVSKIY, A.A., otv.red.; TRIFONOV, V.I., red.; KARABILOVA, S.F., tekhn.red. [Economic and other features of socialist telecommunication] Sotaialisticheskaia sviaz', ee ekonomicheskie oherty i osobennesti. Moskva, Gos.ist-ro lit-ry po voprosem sviazi i redio, 1960. 61 p. (MIRA 14:1) (Telecommunication)

APPROVED FOR RELEASE: 04/03/2001

编剧

VISHNEVSKIY, A.A., doktor ekonom. nauk, prof.; PODGORDDETSKIY, I.A., prof.; SERGEYCHUK, K.Ya., kand. tekhn. nauk; SOLOVEYCHIK, L.M., kand. ekonom.nauk; TOCHIL'NIKOV, G.M., kand. ekonom. nauk; SHETN, P.A., prepodavatel'; TRIFONOV, V.I., red.; ROMANOVA, S.F., tekhn. red.

[Economics of the comunication system] Ekonomika sviazi. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1961. 279 p. (MIRA 14:8)

(Communication and traffic)

APPROVED FOR RELEASE: 04/03/2001

BOGDANOVA, V.I.; DOVGYALLO, V.P.; KUL'ZHONKOV, Ye.O.; POPOV, Ye.I.; RUTKOVSKIY, O.O.; SPEVACHEVSKIY, G.Yu.; NAZAREVSKIY, O.R., retsenzent; TRIFONOV, V.I., retsenzent; LEVITAS, I.G., red.; USENKO, L.A., tekhn. red.

> 22 22

[Moscow - Central Asia; railroad guide]Moskva - Srednisia Aziia; zheleznodorozhnyi putevoditel'. Moskva, Transzheldorizdat, 1962. 205 p. (MIRA 16:3) (Railroads-Guides)

APPROVED FOR RELEASE: 04/03/2001



L 2554-66A) EWT(1)/EWA(h ACC NRI AM6004739	Monograph	UR/ 43
Vasil'yev, V. N.; Slobodeny	ruk, G. I.; Trifonov, V. I.	; <u>Ilhotuntsev, YU. L.</u>
Regenerative semiconductor (Regenerativnyye poluprov teorii i rascheta) Moscov Fursta alin inserted. 10.	parametric amplifiers; some vodnikovyye parametricheski v, Izd-vo "Sovetskoye radio" 500 copies printed.	e problems of theory and design ye usiliteli; nekotoryye voprosy ", 1965. 447 p. illus., biblio.
TOPIC TAGS: parametric am	plifier, solid state emplif	ick, millimeter wave amplifier,
FURPOSE AND COVERAGE: The parametric amplifiers, deve is intended for scientific gation and development of tions of learning as a tex neering." The subjects co ods of tuning parametric an istics of a parametric emp amplifiers, and questions of the amplifier parameter tional data and calculatio main text. Chs. I, VI, an	eloped on the basis of the and engineering-technical parametric systems, and als t for the course on "Theore wered are the various ampli mplifiers, stability of the differ, the operating feature involved in the electrodyna s. The book contains in the ons dealing with particular and VII and Secs. 1 and 2 of	of regenerative semiconductor theory of linear networks, and workers engaged in the investi- so for students in higher institu- tical Principles of Radio Engi- lifter parameters, different meth- e phase and frequency character- ures of multifrequency parametric amic calculations and the choice the form of appendices some addi- problems touched upon in the Cla. II, Secs. 1, 3, and 4 of G. I. Slobodenyuk; Ch. IV, Secs. Appendices II, III, and VI were
Card 1/2		wc: 621.375.93
L GUIN I		

CIA-RDP86-00513R001756610019-5

共同时没有百姓之间和时间的时间在自己自己 n de la la stande de la L 15554-66 0 ACC NRI AMOOO4739 written by YU. L. Khotuntsev; Sec. 3 of Ch. II and Sec. 4 of Ch. V were written jointly by G. I. Blobodenyuk and W. L. Khotuntsev; Ch. VIII was written by V. I. Trifonov; and Chs. IX, X, and XI were written by V. N. Vasil'yev. TABLE OF CONTENTS [abridged]: Introduction - - 3 Principal symbols - - 11 Indices - - 12 Ch. I. Principles of theory of parametric amplifiers - - 13 Ch. II. Intrinsic equivalent noise temperature of parametric amplifiers - - 31 Ch. III. Bandwidth of parametric amplifiers - - 50 Ch. IV. Broadening of the bandwidth of parametric amplifiers - - 85 Ch. V. Tuning of parametric amplifiers - - 136 Ch. VI. Instability of phase-frequency and amplitude frequency characteristics of parametric amplifiers - - 167 Ch. VII. Some methods for increasing the stability of the characteristics of parametric emplifiers - - 208 Ch. VIII. Multifrequency parametric amplifiers - - 240 Ch. IX. Electrodynamic problems connected with the development of coaxial-waveguide parametric amplifiers - - 282 Ch. X. Waveguide-coaxial constructions for single-loop parametric amplifiers - - 341 Ch. XI. Waveguide-coaxial constructions for two-loop parametric amplifiers - - 367 Appendices - - 420 Literature; - - 442 Card 2/2 UL RSUB CODE: 09/ OTH REF 1 032 SURM DATE: 24 Jun65/ ORIG REF: NIL

 Vasil'yev, V. N.; Slobodenyuk, G. I.; Trifonov, V. I.; Khotuntsev, YU. L. Regenerative semiconductor parametric amplifiers; some problems of theory and design (Regenerativny; poluprovodnikovy; parametricheskiye usiliteli; nekotory; voprosy teorii i rascheta) Moscow, Izd-vo "Sovetskoye radio", 1965. 447 p. illus., biblio. Errata alip inserted. 10,500 copies printed. TOPIC TAGS: parametric amplifier, solid state amplifier, millimeter wave amplifier, amplifier design PURPOSE AND COVERAGE: The book contains the theory of regenerative semiconductor parametric amplifier, developed on the basis of the theory of linear networks, and is intended for scientific and engineering-technical workers engaged in the investigation and development of parametric systems, and also for students in higher institutions of learning as a text for the course on "Theoretical Principles of Radio Engineering." The subjects covered are the various amplifier parameters, different methods of tuning parametric emplifier, stability of the phase and frequency characteristics of a parametric survived in the electrodynamic calculations and the choice of the amplifier parameters. The book contains in the form of appendices some additional data and calculations dealing with particular problems touched upon in the main text. Chs. I, VI, and VII and Secs. 1 and 2 of Ch. II, Secs. 1, 5, and 4 of Ch. III, and Appendices I, IV, and 5 of Ch. V, and Appendices II, III, and VI were Card 1/2 UDC: 621.375.93 	25554-66A) EWT(1)/EWA(h) ACC NR: AM6004739	Monograph	UR/	.13
TOPIC TAGS: parametric amplifier, solid state amplifier, millimeter wave amplifier, amplifier design PURPOSE AND COVERAGE: The book contains the theory of regenerative semiconductor parametric amplifiers, developed on the basis of the theory of linear networks, and is intended for scientific and engineering-technical workers engaged in the investi- gation and development of parametric systems, and also for students in higher institu- tions of learning as a text for the course on "Theoretical Principles of Radio Engi- neering." The subjects covered are the various amplifier parameters, different meth- ods of tuning parametric amplifiers, stability of the phase and frequency character- istics of a parametric emplifier, the operating features of multifrequency parametric emplifiers, and questions involved in the electrodynamic calculations and the choice of the amplifier parameters. The book contains in the form of appendices some addi- tional data and calculations dealing with particular problems touched upon in the main text. Chs. I, VI, and VII and Secs. 1 and 2 of Ch. II, Secs. 1, 5, and 4 of Ch. III, and Appendices I, IV, and V were written by G. I. Slobodenyuk; Ch. IV, Secs. 2 and 5 of Ch. III, Secs. 1, 2, and 3 of Ch. V, and Appendices II, III, and VI were	Regenerative semiconductor (Regenerativnyye poluprov teorii i rascheta) Moscow Errata slip inserted. 10,	parametric amplifiers; odnikovyye parametriche , Izd-vo "Sovetskoye ra 500 copies printed.	some problems of theory and skiye usiliteli; nekotoryye dio", 1965. 447 p. illus.,	biblio.
Card 1/2 UDC: 621.375.93	TOPIC TAGS: parametric amp amplifier design PURPCSE AND COVERAGE: The parametric amplifiers, deve is intended for scientific gation and development of I tions of learning as a text neering." The subjects cov ods of tuning parametric am istics of a parametric ampli- amplifiers, and questions is of the amplifier parameters tional data and calculation main text. Chs. I, VI, and	lifier, solid state amplitude on the basis of the and engineering-technic parametric systems, and for the course on "The various at aplifiers, stability of lifier, the operating for the electrons. The book contains in the dealing with particular VII and Secs. 1 and 2	ry of regenerative semicondu- the theory of linear network cal workers engaged in the i also for students in higher coretical Principles of Radi mplifier parameters, differen- the phase and frequency cha- catures of multifrequency pa- dynamic calculations and the n the form of appendices som lar problems touched upon in of Ch. II, Secs. 1, 5, and by G. J. Sloboderyuk; Ch. 1	actor is, and investi- institu- to Engi- ent meth- aracter- arametric choice me addi- n the 4 of TV, Secs.
	Card 42		UDC: 621.375.93	

CIA-RDP86-00513R001756610019-5

L 25554-66 ACC NRI ANDOO4739 written by YU. L. Khotuntsev; Sec. 3 of Ch. II and Sec. 4 of Ch. V were written [jointly by G. I. Slobodenyuk and YU. L. Khotuntsev; Ch. VIII was written by V. I. Trifonov; and Chs. IX, X, and XI were written by V. H. Vasil'yev. TABLE OF CONTENTS [abridged]: Introduction - - 3 Principal symbols - - 11 Indices - - 12 Ch. I. Principles of theory of parametric amplifiers - - 13 Ch. II. Intrinsic equivalent noise temperature of parametric amplifiers - - 31 Ch. III. Bandwidth of parametric amplifiers - - 50 Ch. IV. Broadening of the bandwidth of parametric amplifiers - - 85 Ch. V. Tuning of parametric amplifiers - - 136 Ch. VI. Instability of phase-frequency and amplitude frequency characteristics of parametric amplifiers - - 167 Ch. VII. Some methods for increasing the stability of the characteristics of parametric amplifiers - - 208 Ch. VIII. Multifrequency parametric amplifiers - - 240 Ch. IX. Electrodynamic problems connected with the development of coexial-waveguide parametric amplifiers - - 282 Ch. X. Waveguide-coaxial constructions for single-loop parametric amplifiers - - 341 Ch. XI. Waveguide-coaxial constructions for two-loop parametric amplifiers - - 367 Appendices - - 420 Literature; - - 442 Card 2/2 UL RSUB CODE: 09/ SUEM DATE: 24 Jun65/ ORIG REF: 041/ OTH REF: 032

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5



APPROVED FOR RELEASE: 04/03/2001

L 17201-03 ACCESSION NR: AP 3004376

converters should be used as they permit using the pumping frequency 2 or more times lower than that of a conventional 2-frequency nonregenerative converter; this feature may prove of particular value in conversions into the millimeter band. "In conclusion, the author is very thankful to V. A. Kotel nikov and A. N. Vy*stavkin for their attention to his work and a number of valuable hints. " Orig. art. has: 4 figures, 25 formulas, and 1 table.

ASSOCIATION: none

SUBMITTED: 06Jul62	DATE ACQ: 20Aug63	ENCL: 00
SUB CODE: GE	NO REF SOV: 002	OTHER: 008
	1	
Card 2/2	· ,	
• • • • • • • • • • • • • • • • • • • •		

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610019-5"

1

CIA-RDP86-00513R001756610019-5





CIA-RDP86-00513R001756610019-5



ACC NRI ALTONNA AUTHOR: Afinogenov, V. M.; Migulin, V. V.; Trifonov, V. I. AUTHOR: Afinogenov, V. M.; Migulin, V. V.; Trifonov, V. I. ORG: Institute of Radio Engineering and Electronics, AN SSSR (Institut radiotekhniki i elektroniki AN SSSR) TITLE: Singularities of the Faraday effect in n-InSb in the millimeter band SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Frilozheniye, v. 4, no. 11, 1966, $445-449$ TOPIC TAGS: indium compound, antimonide, Faraday effect, microwave technology TOPIC TAGS: indium compound, antimonide, Faraday effect in n-type InSb at 77.6K as a ABSTRACT: The authors investigated the Faraday effect in n-type InSb at 77.6K as a function of the magnetic field and of the sample thickness. The experimental setup included a klystron oscillator operating at 4 mm, attenuators, a measuring pickup, included a klystron oscillator operating at 4 mm, attenuators, a measuring pickup, included a klystron escillator operating through the sample. The position of the and an indicator showing the power passing through the sample. The position of the polarization plane was indicated by the minimum of the indicator reading. The mea- suments revealed the expected oscillations of the angle of rotation of the polariza- stion plane vs. the magnetic field, as well as deviations brought about by reflections tion plane vs. the magnetic field, as well as deviations brought about by reflections magnetic wave, geometric resonance took place in the sample and the Faraday angle was magnetic field, owing to the decreased losses in the semiconductor. Plots of the magnetic field, owing to the decreased losses in the rotation angle becomes negative in Faraday angle vs. the magnetic field show that the rotation angle becomes negative in Faraday angle vs. the magnetic field show that the rotation angle becomes negative in Faraday angle vs. the magnetic field show that the rotation angle becomes negative in Faraday angle vs. The magnetic field show that the rotation angl	ACC NR	R: AP7001330	DE: UR/0386/66/004/011/0445/0449
Card 1/2	ORG: i elekt TITLE: SOURCE Priloz TOPIC ABSTR funct: inclue and a polar surme tion from	Institute of Radio Engineering under troniki AN SSSR) : Singularities of the Faraday effect in n-InSt E: Zhurnal eksperimental'noy i teoreticheskoy i zheniye, v. 4, no. 11, 1966, 445-449 TAGS: indium compound, antimonide, Faraday effe ACT: The authors investigated the Faraday effe ion of the magnetic field and of the sample thi aded a klystron oscillator operating at 4 mm, at an indicator showing the power passing through the rization plane was indicated by the minimum of the ents revealed the expected oscillations of the sample plane vs. the magnetic field, as well as devia the boundary planes. At sample thicknesses the other wave, geometric resonance took place in the	b in the millimeter band fiziki. Pis'ma v redaktsiyu. Fect, microwave technology ect in n-type InSb at 77.8K as a ickness. The experimental setup the sample. The position of the the indicator reading. The mea- angle of rotation of the polariza- tions brought about by reflections at were multiples of the electro- me sample and the Faraday angle was as became sharper with increasing
	Card	1/2	

湖田長胡

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610019-5
--

wea dii	ferei	lds. ices	The being	e expe due	It i	8 COI	nclud	ed t	hat 1	tne 1 ko tl	nis D	s agre the th Farad henome ors th has:	non	usef	ul Wi	th no	nrec.	A.
Do	lgikh	for E:	supp 20/	lying SUI	the M DA	InS ATE:	ъ вал 1980	apter ap66/	/	ORIG	REF	, 00J		OTH	REF:	003		. -
						•			•			•	7			•	• • • . •	
	•			•		· · · ·				•		·	•	•	•			
· ·	•				1	• .	, [•]				:					•		
	•	•	•		•		. •		•								·	
-				•														




"APPROVED FOR RELEASE: 04/03/2001
 CIA-RDP86-00513R001756610019-5

 Calculation of power consumed in the...
 \$\sigma_137/62/000/007/c29/072 \sigma_052/a101

 The friction goes over into an internal friction of the plastic layer. Plastic deformation contributes to the or set of pure metal surfaces over a large area to know the value of the tangential force developing in the process of welding.

 The relevant formulas arederived.
 V. Fomenko

 [Abstracter's note: Complete translation]

Card 2/2

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5



CIA-RDP86-00513R001756610019-5



TRIFONOV, V. P., dotsent

See as

Geological surveying major. Izv. vys. ucheb. zav.; gor. zhur. no.10:169-170 '61. (MIRA 15:10)

1. Sverdlovskiy gornyy institut imeni V. V. Vakhrusheva.

(Geological surveys)

APPROVED FOR RELEASE: 04/03/2001



TRIFOHOW, V. T.

.....

"Pathomorphological Changes in the Vegetative Vervous System During Inflammation of the Lungs of Lambs." Cand Vet Sci, Saratov State Zooveterinary Inst, Kin Aigher Education, Saratov, 1954. (KL, No 8, Feb 55)

50: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

APPROVED FOR RELEASE: 04/03/2001

ACCESSION NR: AR4014747 8/0058/63/000/012/A021/A021 SOURCE: RZh. Fizika, Abs. 12A204 AUTHORS: Vyazemskiy, V. O.; Pegoycv, A. N.; Trifonov, V. V. TITLE: AMA-5 semiconductor small-size multichannel pulse height CITED SOURCE: Tr. 5-y Nauchno-tekhn. konferentsii po yadern. radioelektronike. T. 2, Ch. 2, Gosatomizdat, 1963, 144-162 TOPIC TAGS: analyzer, pulse height analyzer, miniature analyzer, dynamic memory, magnetostriction delay line, nuclear instrumentation TRANSLATION: A description of the multichannel pulse-height semiconductor AMA-5 analyzer is presented. The analyzer is intended for use under difficult plant and field conditions. It employs a miniature part and printed wiring. The total number of elements has been Card 1/2

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5

ACCESSION NR: AR4014747

reduced in AMA-5 to ~1200. Such a reduction has been made possible by maximum utilization of each element. The analyzer employs a dynamic memory with a magnetostriction delay line. The memory (2048 µsec) is broken up into 128 16-digit memory cells (channels) without pauses between them. The information readout is by a readhistogram on a cathode-ray tube screen, and a histogram on a paper chart. The maximum counting rate of the analyzer is 80000 pulses DATE ACQ: 24Jan64 SUB CODE: PH, SD ENCL: 00

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5



APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5 "APPROVED FOR RELEASE: 04/03/2001

.30V/120-58-5-10/32

1 Non-Overloading Amplifier with a Wide-Channel Discriminator

this unit is based on a cathode coupled circuit, while the phase inverter consists of one tube with anode and cathode resistances. The pulses are formed after the inverter by means of RC networks or by a short circuited delay line (.5 µ sec duration). The final amplifier consists of 5 tubes; the first 3 form a "triple" and are provided with a negative feedback; the 4th tube operates as a cathode follower. The output signal of the amplifier is applied to an external pulse analyser and to the discriminator of the device. The discrimination level can be varied from 5 to 105 V in steps of 1 V; the voltage divider circuit is shown in Fig.2. The instrument is designed for the operation with a scintillation counter. The maximum gain of the amplifier is 2×10^6 and the effective noise amplitude at the output of the amplifier is less than .04 V. The pulse rise time is .15 μ s and the pulse duration is: a) 2, 5, 10 or 20 μ s if RC networks are used, and b) $l \mu$ s if a delay line is used. The overloading coefficient of the amplifier is over 100. The amplifier is asymmetrical in that it does not amplify negative pulses. The amplitude characteristic of the

Card 2/3

建筑和于我们的代表到4000亿元的1000

Surfaces of the second second

APPROVED FOR RELEASE: 04/03/2001

SOV/120-58-6-15/32

AUTHORS: Vyazemskiy, V. O., Drapchinskiy, L. V., Pisarevekiy, A. N., Trifonov, V. V. and Firsov, Ye. I.

SEI ISSEILESSE PROK

.TITLE: A Counting Instrument Employing Dekatrons (Pereschetnyy pribor s ispol'zovaniyem dekatronov)

PERIODICAL: Pribory i tekhnika eksperimenta, 1958, Nr 6, pp 78-81 (USSR)

ABSTRACT: Since a dekatron is a comparatively new device and since its parameters depend to a large extent on the trigger circuit employed to effect the transfer from one cathode to the next, a detailed investigation of the triggering methods was carried out. The authors tried a number of triggering circuits and found that the most successful one was that employing a double triode in which one of the anodes was provided with a delay capacitance; the circuit is shown in Fig.1z. The dekatron employed was of the type 10/SGIS and had 2 systems of guide electrodes. The actual counter (see the diagram of Fig.5) consisted of the following elements: 1) a binary counting decade based on vacuum tubes, 2) 4 counting decades based on dekatrons, 3) a timer, 4) a circuit for controlling the timer and the input gate circuit, 5) a gating circuit, 6) an intensity meter, 7) a quartz crystal calibra-Card 1/3 tor, 8) a power supply source, and 9) a mechanical register.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5 "APPROVED FOR RELEASE: 04/03/2001

RECEIPTION PRODUCTION PRODUCTION CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR

SOV/120-58-6-15/32

A Counting Instrument Employing Dekatrons

The operation of the equipment is as follows. An input pulse is applied to the gating circuit which is in the form of a univibrator; the circuit can be blocked by the bi-stable device which also controls the timer. The pulses from the anode of the gating univibrator are applied to the binary decade. The output from the decade is used to trigger the first dekatron, which in turn drives the following dekatrons. The counting can be stopped automatically after a pre-set time interval which is determined by the timer. The basic time intervals are 3, 6 and 15 sec; by employing 2 deka-trons it is also possible to obtain counting intervals of 60, 150, 300, 600 and 1500 sec. The average counting rate is recorded by the intensity meter which is capable of measuring the rates ranging from 200 to 5×10^4 pulses per minute. The instrument can be checked by employing the quartz

Card 2/3

STATE THE REPORT OF THE PARTY OF THE PARTY

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610019-5"

SOV/120-58-6-15/32

A Counting Instrument Employing Dekatrons

crystal oscillator which operates at 75 kc/s. The device has a resolving time of 12 μ s. The authors express their gratitude to Yu. A. Nemilov for making this work possible and for his interest in it. The paper contains 8 figures and 4 references; 2 of the references are English and 2 are Soviet.

ASSOCIATION: Radiyevyy institut AN SSSR (Radium Institute of the Soviet Academy of Sciences)

SUBMITTED: November 18, 1957.

NAMES FOR FULLY TO SHOW WHEN WE REAL SHOP OF A STREET OF A

Card 3/3

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610019-5"

CIA-RDP86-00513R001756610019-5

TRIFONOV, V.V.; PEGOYEV, A.N.

Introducing the AMA-6 miniature gamma-ray spectrometer. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. (MIRA 18:12) inform. 18 no.10:31-32 0 '65.

7.44

entry of an and the second sector were and the second s

82853 244.6810 Translation from: Referativnyy zhurnal. Elektrotekhnika, 1960, No. 8, p. 249, # 4.7039 AUTHORS: Vyazemskiy, V.O., Kazarinov, Yu.M., Trifonov, V.V. TITLE: Amplitude Analyzer of Nuclear Radiation Spectra PERIODICAL: Izv. Leningr. elektrotekhn. in-ta, 1959, No. 38, pp. 237-248 TEXT: The authors investigate the limitations and advantages of using various memory devices in amplitude analyzers. A description is given of the "AMA-3c" (AMA-3s) type automated multi-channel amplitude analyzer with an electrostatic storage tube as memory device. This model was exhibited at the Geneva Exhibition in 1958. It possesses the following technical data: number of channels - 126; capacity of each channel - 216, resolving time 0.5 + 22 µsec (n = channel number). The results are read on the monitor screen in the form of binary numbers or as histogram. The analyzer can operate with external control pulses (under coincidence or anticoincidence conditions). The number of tubes is 130, power consumption is 850 w.
 244.6810 Translation from: Referativnyy zhurnal. Elektrotekhnika, 1960, No. 8, p. 249, # 4.7039 AUTHORS: <u>Vyazemskiy, V.O., Kazarinov, Yu.M., Trifonov, V.V.</u> TITLE: Amplitude Analyzer of Nuclear Radiation Spectra PERIODICAL: Izv. Leningr. elektrotekhn. in-ta, 1959, No. 38, pp. 237-248 TEXT: The authors investigate the limitations and advantages of using various memory devices in amplitude analyzers. A description is given of the "AMA-3c" (AMA-3s) type automated multi-channel amplitude analyzer with an electrostatic storage tube as memory device. This model was exhibited at the Geneva Exhibition in 1958. It possesses the following technical data: number of channels - 128; capacity of each channel _ 2¹⁶, resolving time 0.5 + 22 µsee (n = channel number). The results are read on the monitor screen in the form of binary numbers or as histogram. The analyzer can operate with external control pulses (under coincidence or anticoincidence conditions). The number of tubes is 130, power
Translation from: Referativnyy zhurnal. Elektrotekhnika, 1960, No. 8, p. 249, # 4.7039 AUTHORS: <u>Vyazemskiy, V.O., Kazarinov, Yu.M., Trifonov, V.V.</u> TITLE: Amplitude Analyzer of Nuclear Radiation Spectra PERIODICAL: Izv. Leningr. elektrotekhn. in-ta, 1959, No. 38, pp. 237-248 TEXT: The authors investigate the limitations and advantages of using various memory devices in amplitude analyzers. A description is given of the "AMA-3c" (AMA-3s) type automated multi-channel amplitude analyzer with an electro- static storage tube as memory device. This model was exhibited at the Geneva Exhibition in 1958. It possesses the following technical data: number of channels - 128; capacity of each channel - 2 ¹⁰ , resolving time 0.5 + 22 µsec (n = channel number). The results are read on the monitor screen in the form of binary numbers or as histogram. The analyzer can operate with external control pulses (under coincidence or anticoincidence conditions). The number of tubes is 130, power
TITLE: Amplitude Analyzer of Nuclear Radiation Spectra PERIODICAL: Izv. Leningr. elektrotekhn. in-ta, 1959, No. 38, pp. 237-248 TEXT: The authors investigate the limitations and advantages of using various memory devices in amplitude analyzers. A description is given of the "AMA-3c" (AMA-3s) type automated multi-channel amplitude analyzer with an electro- static storage tube as memory device. This model was exhibited at the Geneva Exhibition in 1958. It possesses the following technical data: number of channels - 128; capacity of each channel - 216, resolving time 0.5 + 22 µseo (n = channel number). The results are read on the monitor screen in the form of binary numbers or as histogram. The analyzer can operate with external control pulses (under coincidence or anticoincidence conditions). The number of tubes is 130, power
PERIODICAL: Izv. Leningr. elektrotekhn. in-ta, 1959, No. 38, pp. 237-248 TEXT: The authors investigate the limitations and advantages of using various memory devices in amplitude analyzers. A description is given of the "AMA-3c" (AMA-3s) type automated multi-channel amplitude analyzer with an electro- static storage tube as memory device. This model was exhibited at the Geneva Exhibition in 1958. It possesses the following technical data: number of channels - 128; capacity of each channel $_216$, resolving time 0.5 + 22 μ sec (n = channel number). The results are read on the monitor screen in the form of binary numbers or as histogram. The analyzer can operate with external control pulses (under coincidence or anticoincidence conditions). The number of tubes is 130, power
TEXT: The authors investigate the limitations and advantages of using various memory devices in amplitude analyzers. A description is given of the "AMA_3c" (AMA_3s) type automated multi-channel amplitude analyzer with an electro- static storage tube as memory device. This model was exhibited at the Geneva Exhibition in 1958. It possesses the following technical data: number of channels - 128; capacity of each channel $_{216}$, resolving time 0.5 + 22 µsec (n = channel number). The results are read on the monitor screen in the form of binary numbers or as histogram. The analyzer can operate with external control pulses (under coincidence or anticoincidence conditions). The number of tubes is 130, power
TEXT: The authors investigate the limitations and advantages of using various memory devices in amplitude analyzers. A description is given of the "AMA_3c" (AMA_3s) type automated multi-channel amplitude analyzer with an electro- static storage tube as memory device. This model was exhibited at the Geneva Exhibition in 1958. It possesses the following technical data: number of channels - 128; capacity of each channel $_{216}$, resolving time 0.5 + 22 µsec (n = channel number). The results are read on the monitor screen in the form of binary numbers or as histogram. The analyzer can operate with external control pulses (under coincidence or anticoincidence conditions). The number of tubes is 130, power
Translator's note: This is the full translation of the original Russian abstract.
Card 1/1

TRIFO	IOV, Ye.		AID - P-129
	Subject	:	USSR/Aeronautics
	Card		1/1
	Author		Trifonov, Ye., Guards Major, Engineer
	Title		Regulation Work on Instrument Equipment
	Periodical	:	Air Force Herald, 4, 67 - 69, Ap 1954
	Abstract	:	The instruments in question serve for the control of the plane, the engine and the electrical, oxygen, and other apparatus. The purpose and the procedure of maintenance are mentioned. The instruments are divided in groups, and special features of maintenance of each group are discussed. Examples of well organized main- tenance in USSR Air Force sections are given.
	Institution	:	None
	Submitted	:	No date

STATISTICS IN THE STATISTICS IN THE STATE

TRIFONON, YE. A. 83280 S/136/60/000/009/002/004 18.6200 also 2108, 2308 B193/B483 Borok, B.A., Gavrilova, V.K., Karpman, G.M. AUTHORS: Trifonov, Ye.A. and Zavod, Ye.B. Manufacture of Titanium Tubes from Sintered Material TITLE: by Extrusion and Rolling 220 PERIODICAL: Tsyetnyye metally, 1960, No.9, pp.66-68 Shells (85 and 100 mm in diameter, 150 to 200 mm high), prepared by <u>powder metallurgy</u> technique from technical grade titanium IMP1, were extruded on a 600 t vertical extrusion press, equipped with die and mandrel made of steel 3KhV8. were pre-heated to 860 to 1050°C by induction heating (5 to 10 min), the temperature of the container being 200 to 250°C. A mixture of graphite and machine oil was used as a lubricant. extrusion pressure did not exceed 180 atm when the extrusion temperature was 800°C and decreased to below 150 atm for shells The extrusion speed of $\hat{\delta}$ m/sec was used, the tubes obtained being 32 to 50 mm in diameter with the wall pre-heated to 950°C. thickness varying between 2.5 and 7.5 mm. Irrespective of the extrusion temperature employed, the extruded tubes had longitudinal scratches on both outside and inside surfaces. 3 Card 1/4

CIA-RDP86-00513R001756610019-5

S CONTRACTOR DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTÓRIA DE LA CONTRACTÓRIA DE LA CONTRACTÓRIA DE LA

S/136/60/009/002/004 E193/E483

Manufacture of Titanium Tubes from Sintered Material by Extrusion and Rolling

The surface finish of tubes extruded at temperatures above 950°C was extremely bad. The condition of the container and particularly of the mandrel, after one operation only, was also very bad, owing to titanium adhering to their surfaces, which was also the cause of the longitudinal scratches on the extruded tubes. Somewhat better results were obtained when steel R18 was used as the material of the container lining and mandrel, but even then these parts had to be scrapped after each operation. Several attempts were made to improve the surface finish of the tubes by applying different lubricants; the best results were obtained with a mixture containing 4 parts of sodium chloride and 1 part of fluorspar which, however, failed to prevent the formation of the longitudinal scratches. The extruded tubes (measuring 32×3 , 39 x 2.5, 41 x 3 and 50 x 7.5 mm) had the following properties: U.T.S. = 70 kg/mm²; elongation, δ , = 21%; reduction of area, ψ , = 29%; Rockwell hardness, R_c = 26. The materia the extruded tubes was markedly anisotropic in respect of its The material of mechanical properties; micro-specimens, cut from the tubes and Card 2/4

APPROVED FOR RELEASE: 04/03/2001

83280 S/136/60/000/009/002/004 E193/E483

Manufacture of Titanium Tubes from Sintered Material by Extrusion and Rolling

tested in the direction parallel to the tube axis, had U.T.S. = 104.6 kg/mm², $\delta = 26.2\%$, and $\gamma = 38.7\%$; the corresponding figures for specimens tested in the transverse direction were 120.8 kg/mm², 2.5% and 6.3%. Owing to the lack of suitable equipment, the surfaces of the extruded tubes The slight curvature of the were not improved before rolling. tubes was removed by hammering with wooden mallets at 800°C. Both ends of each tube with bad extrusion defects were cut off and the outside and inside surfaces were lubricated with a mixture of 60% emulsol and 40% graphite, no lubricant having been fed to The rolling operation was carried out on a tube the mandrel. To avoid cracking during rolling mill of the Rockwright type. rolling, the ends of each tube were machined to produce a taper at least 60 to 80 mm long. After the first rolling operation, during which the temperature of the tubes rose to 100°C, the tubes were annealed at 700°C by resistance heating, the heating time varying between 20 and 40 sec. The ends of the tubes were then cut off again and tapered, after which the second rolling Card 3/4

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610019-5

83280 s/136/60/000/009/002/004 B193/E483

Manufacture of Titanium Tubes from Sintered Material by Extrusion and Rolling

operation was carried out. The degree of deformation attained in the first rolling operation, without causing fracture of the tube, was 34.2%. After the intermediate annealing operation, 56.7% reduction per pass could be attained. The tubes of the following dimensions (mm) were produced by this method: 22 x 1, 22 x 125, 22 \pm 1.5, 26 x 1.75, 26.x 2, 26.5 x 1.4, 29.8 x 1.6, 29.8 x 1.65, 34.5 x 2.4; the lengths of the tubes varied between 1500 and 6000 mm. While the results obtained showed that the technique studied had some possibilities, means of preventing adhesion of titanium on the extrusion tools will have to be found before it can become a manufacturing process. There is l table.

ASSOCIATIONS: <u>TsNIIchermet</u> Kol'chuginskiy zavod im. Ordzhonikidze (Kol'chygin Works im. Ordzhonikidze)

Card 4/4







and and the second second of the second s

TETERIN, P.K.; KLYAMKIN, N.L.; TRIFONOV, Ye.A.; ABRAMOV, A.A.

TATAL AND THE STREET

GRAPTING

DREEGE

Mastering the rolling of seamless pipe made of heat-resistant alloys. Stal' 24 no.8:721-724 Ag '64. (MIRA 17:9)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii imeni I.P. Bardina.

APPROVED FOR RELEASE: 04/03/2001

BOROK, B.A.; GAVRILOVA, V.K.; KARPMAN, G.M.; TRIFONOV, Ye.A.; ZADOV, Ye.B. Pressing and rolling ceramic metal titanium pipes. TSvet. met. 33 no.9:66-68 S '60. (MIRA 13:10) 1. TSentral nyy nauchno-issledovatel skiy institut chernoy metallurgii (for all except Zadov). 2. Kol'chuginskiy zavod im. Ordzhonikidze (for Zadov). (Metal powder products) (Ceramic, metals) S.

APPROVED FOR RELEASE: 04/03/2001

NAMES OF THE OWNER OF THE PARTY OF T

CIA-RDP86-00513R001756610019-5"

THE STORAGE BUILD BUILD

CIA-RDP86-00513R001756610019-5



APPROVED FOR RELEASE: 04/03/2001



APPROVED FOR RELEASE: 04/03/2001

9)#223/JR