PHASE I BOOK EXPLOITATION 1088

- Chistyakov, Nikolay Iosafovich, Sidorov, Viktor Matveyevich, and Mel'nikov, Viktor Semenovich
- Radiopriyemnyye ustroystva (Radio Receivers) Moscow, Svyaz'izdat, 1958. 895 p. 25,000 copies printed.
- Ed. (Title page): Chistyakov, N.I.; Ed. (Inside book): Galoyan, M.A.; Tech. Ed.: Shefer, G.I.
- **FURPOSE:** This monograph is addressed to students and engineering and technical workers in radio.
- COVERAGE: The book is based on the program for the course in radio receivers at communications institutes. The authors assume that the reader is familiar with the fundamentals of radio circuit theory (including transient processes), with general methods of amplifier circuit. analysis, fluctuation noise in tubes and electric circuits, the operating characteristics of vacuum tubes at very high_frequencies, and other related problems. Because of the broad scope of the book the authors have dealt only briefly with certain subjects, e.g., television receiver video tracts, radio relay lines (multichannel reception of very high_frequencies), antennas, etc. Transistorized circuit theory has not been fully discussed because of its still early stage of development. Card 1/14

Radio Receivers

1088

N.I. Chistyakov wrote the Introduction through Chapter III, Chapter VI, Sections 12 and 13 of Chapter VII, Section 4 of Chapter IX, Sections 1 through 10 of Chapter X, Chapter XII, Section 8 of Chapter XIII, Section 5 of Chapter XV, Section 7 of Chapter XVI, and Chapters XVIII through XX. V.M. Sidorov wrote Chapter V, Sections 1 through 11 of Chapter VII, Chapter VIII through Section 3 of Chapter IX, Sections 5 through 8 of Chapter IX, Section 11 of Chapter X through Section 6 of Chapter XI, and Section 7 of Chapter XIII. V.S. Mel'nikov wrote Chapter VI, Sections 1 through 6 of Chapter XIII, Sections 1 through 4 and Section 6 of Chapter XV, and Section 1 through 14 of Chapter XVII. G.A. Aleksandrov wrote Section 7 of Chapter XI, Chapter XIV and Sections 1 through 6 of Chapter XVI. L.M. Mashbits wrote Section 15 of Chapter XVII and Chapter XXI. In preparing the book for publication, the authors took into consideration suggestions of the staff of the Leningredskiy elektrotekhnicheskiy institut svyazi im. M.A. Bonch-Bruyevich (Leningred Communications Engineering Institute imeni Bonch-Bruyevich) and the Moskovskiy aviatsionnyy institut im. S. Ordzhonikidze (Moscow Aviation Institute imeni S. Ordzhonikidze). The authors thank Professor V.N. Mil'shteyn for his helpful suggestions concerning a number of chapters. There are no references.

Card 2/14

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CI

CIA-RDP86-00513R001033

MEL'NIKOV. Y.... The main direction. Sov. profesoluzy 6 no. 9:34-37 dg '58. (MIBA 11:8) 1. Fredsedatel' profesoyuznogo komiteta kiyevekogo zavoda "Tochelektropribor." (Kiev--Electric instrumente)



APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001033



SOV/106-58-6-2/13 Application of the Potential Interference-stability Theory to Problems of Short-wave Telegraphic Communication Potential interference-stability for feding signals: Two messages, A(t) corresponding to a mark and E(t) corresponding to a space, are considered as transmitted for equal times \mathcal{L} (one band). The interference V(t) acts simultaneously with the signal A(t) or B(t). Such a combination of A(t) or B(t) with V(t) occurs in each interval of time Y during the transmission of the message. The voltages A(t) or B(t) and the inter-ference V(t) act during the interval of time γ , but equal zero outside this interval. A given combination of the voltages A(t) or B(t) and $V(\tilde{t})$ does not periodically repeat during the time of transmission of a message but if the time T is taken sufficiently large, then the assumption becomes permissible. The signals A(t), B(t) and the interference V(t) . considered as periodical functions, are resolved into a series of periodical orthogonal functions and since the initial functions (as received) are random, the coefficients of the series will also be random values. Due to the interference during the reception of signals in Card3/8 一方井 石子 田本

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CI

CIA-RDP86-00513R001033

30V/106-58-6-2/13 Application of the Potential Interference-stability Theory to Problems of Short-wave Telegraphic Communication the interval $\breve{\tau}$, it is not possible to determine with certainty whether the received signal $Z(\tau)$ corresponds to A(t) or to B(t). It is possible to assert, however, that the probability that the received signal Z(t) results from the summation of the interference and $\Lambda(t)$ is $P_{\chi}(\Lambda)$ and, similarly, that the probability that the received signal Z(t) results from the summation of interference and B(t) is $P_{Z}(B)$. The signal Z(t) is a random value being the sum of the random magnitudes A(t) + V(t) or B(t) + V(t): therefore, the probability that some particular value of Z(t) occurs is P(Z). On the other hand, it can be asserted that when the signal A(t) is transmitted (which occurs with the probability P(A)) then some definite signal Z(t) with a probability $P_{A}(Z)$ is formed at the receiver. Similarly, when B(t) is transmitted (which occurs with the probability P(B)), the probability of the same signal Z(t) is P(B). Card 4/8

APPROVED FOR RELEASE: Wednesday, June 21, 2000

CONTRACTOR STRUCTURE CONTRACTOR STRUCT

CIA-RDP86-00513R001033

Application of the Potential Interference-stability Theory to Problems of Short-wave Telegraphic Contunication

THE PARTY AND A REPORT OF A DAMAGE AND A DAMAG

The **e**lationships:

$$P_{Z}(A) = \frac{P(A)P_{A}(Z)}{P(Z)}$$
('.)

and

$$P_{\mathbf{Z}}(B) = \frac{P(B)P_{B}(\mathbf{Z})}{P(\mathbf{Z})}$$
(8)

enable the received signal Z(t) to be decoded. With the transmission of signal A(t), the following conditions must be fulfilled:

$$P_{Z}(A) \ \ P_{Z}(B) \tag{9}$$

and with the transmission of the signal B(t), the following condition must be met:

$$P_{Z}(B) > P_{Z}(A)$$
(10)

Card 5/8

SOV/106-58-6-2/13 Application of the Potential Interference-stability Theory to Problems of Short-wave Telegraphic Communication A receiver meeting these requirements will be interferencestable. Next is evaluated the probability that these conditions will be fulfilled and the probability that they will not be fulfilled. The latter probability gives the probability of erroneous reception by a receiver, having potential interference-stability. The results are applied to frequency radio-telegraphy for the particular cases when P(A) = P(B) = 0.5. Here, $A(t) = U_{CA} \sin(\omega_A t + \phi_A) = U_{CA} \cos\phi_A \sin\omega_A t + U_{CA} \sin\phi_A \cos\omega_A t$ $B(t) = U_{CB} \sin(\omega_B t + \varphi_B) = U_{CB} \cos\varphi_B \sin\omega_B t + U_{CB} \sin\varphi_A \cos\omega_A t$ (20)are applicable. Two cases are considered: 1) The values U_{CA} and U_{CB} are independent random values obeying Rayleigh's Law. The values $\phi_{\mathtt{A}}$ and $\phi_{\mathtt{R}}$ Card 6/8





TERMIN SALENDARIAN

sov/106-59-3-3/12 Mel'nikov, V.S. AUTHOR: The Potential Noise Stability of Signals in Amplitude TITLE: and Two-Channel-Frequency-Telegraphy with Fading (Potentsial'naya pomekhoustoychivost' signalcv amplitudnogo i dvukhkanal'nogo chastotnogo telegrafirovaniya pri zamiraniyakh) PERIODICAL:Elektrovyaz', 1959, Nr 3, pp 18-26 (USSR) ABSTRACT: According to Kotel'nikov, a receiver which has potential noise stability distinguishes the transmitted signals according to the inequalities (1) and (2). These are given more explicitly by (3) and (4) in terms of the basic probabilities of the appearance of the signals. The signals themselves and the noise background are defined in (5), (6) and (7) in terms of random quantities. the distributions themselves are defined in (8) and (9). Using these definitions the inequalities (1) and (2) can be expanded into (10) and (11). In amplitude telegraphy two cases are distinguished, in each case the signal has a Rayleigh distribution and the phase is equiprobable. In the first case the mean square deviations of the signal components are equal and the probability of Card 1/3

1993年中午后的1991年中午中午中午中午中午 sov/106-59-3-3/12 The Potential Noise Stability of Signals in Amplitude and Two--Channel-Frequency-Telegraphy with Fading incorrect reception is given by (31). In the second case the mean square deviations are unequal and the corresponding probability is given by (46). Comparison of these last two equations shows that the probability of incorrect reception increases with the asymmetry in between the deviations. With two-channel frequency telegraphy four signals in all must be considered whose overall probability is given by the system of Bayes equations in (47). The separate contributions are defined in (48) to (51). The conditions for correct reception in terms of the random component amplitudes are given by (57). The probability of erroneous reception of a signal in the telegraph channel is given by (60) and making the approximations which are found here, the resulting expression (61) is seen to differ from that previously quoted by the author for a simple frequency channel by only 20%, hence it is concluded that present Card 2/3







3774 S/108/62/017/001/001/007 D271/D304 6.9210 Melinikov, V-S., Member of the Soliety (see Absor.) AUTHOR. tion Ideal predictional reception of phase telegraphy TITLE: signals subjected to fading PERIODICAL: Radiotekhnika, v. 12. no. 1, 1962. 4 4 12 TEXT: Interference stability is analyzed of an ineal receiver on sea on signal prediction when receiving phase telegraphy signals. See on signal prediction when receiving phase teregraphy signates in order to compare the error probability of this type of receiver with usual receivers of frequency shift telegraphy. The idea of prediction in phase telegraphy, on the basic of the preceding sig-ville that on auto-forrelation between two telegraph signals which ι. mother, and was first elaboratei by N.T. Petrovith . Nordy peredachi i priyona diskretnykh signalov ni osnove Methods for Discrete Signals Based on the Comparison of Parameters of Message Elements) Dissertation for Ductor's degree. Institute radiotekhniki i elektroniki AN SSSR (Institute of Radio En-Card V









CIA-RDP86-00513R001033

3377h s/108/62/017/001/001/007 Ideal predictional reception of ... D271/D304 etc. Finally an expression is found for the error probability of any signal in any interval. It is concluded that prediction methods are effective when there is a strong correlation between signal and interference components in adjacent intervals, and the error probability is then 2.5 times smaller than for the conventional frequency shift telegraphy. As the correlation weakens, the advantages gradually disappear until, with small correlation values, phase telegraphy is less reliable than frequency shift telegraphy; predictional phase telegraphy has a certain intrinsic error probability independent of interference. A preliminary and approximate evaluation of analytical results on the basis of available experimental data shows that predictional phase telegraphy may produce good results when $\tau = 3$ msec, but there is no hope for it when $\tau = 20$ msec. There are 3 Soviet-bloc references. ASSOCIATION: Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi im. A.S. Popova (Scientific and Technical Society of Radio Engineering and Electrical Communications im. A.S. Popov) [Abstractor's note: Name of as o-Card 6/7

Ideal predic	tional reception of	33774 S/108/62/C17/001/001/007 D271/D304	
	token from first	page of journal	
SUBM. ED:	April 31, 1961 [Abstracto print]	or s note. Presumably a mis-	
Card 7/7			

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001033

<u>I. 10809-63</u>	BDS/EEC-2	AFFTC/ASD			
ACCESSION IR: A	P3000529	8/0106/63/000)/005/0003/0008 		
AUTHOR: Mel'nik	ov, V. S.	6			
TITLE: Evaluati the signal follo	on of telegraph re wing detection	<u>aceiver noise</u> rejection	ATCU INCERterrow		
SOURCE: Elektro	xvyaz', no. 5, 19	63, 3-8			
		nic reception, noise re			
in which integr signal, is anal place prior to simplifying ass the validity of spectrum and th	yzed and compared detection. In eva umptions in the ma the conclusions, at detection is of hich signal amplit	ejection in multichanne after the separation an with the method in which luating the former it w thematical treatment whi i.e., that any noise in the square-law type. sudes obey Rayleigh fad iprobability. The same expression is derived do	h integration takes as necessary to make tich necessarily limit wolved has a discrete Frequency telegraphy ing and in which sign acceptions are assume	21. ed	
Card 1/2					
					-
	Ø				

ACCESSION NR: AP3000529			
uetector integration and	channel in the presence of both at postdetector integration is 1 that the latter may give a prob rt. has: 1 figure and 25 formula	cas cliective than nee-	
SUBMITTED: 180ct62			
SUB CODE: CO	DATE ACQ: 03Jun63	Encl: 00	
	NO REF SOV: 005	OTHER: 000	
jufelm 1 2/2			
d 2/ 2			







215772

7,

ACC NR: AT6022719	SOURCE CODE: UR/3032/66/000/073/0213/0222
AUTHOR: Alekseyev, L. F.;	Mel'nikov, V. S.
ORG: none	
TITLE: Stabilized static freq	uency converters designed with magnetic elements
SOURCE: Moscow. Vsesoyuz 1906. Avtomaticheskiye regul regulators), 213-222	nyy elektrotekhnicheskiy institut. Trudy, no. 73, lyatory vozbuzhdeniya (Automatic excitation
TOPIC TAGS: frequency conv	verter, frequency multiplier
by VEI; their characteristics	a new magnetic frequency multiplier were developed are: input, $3 \times 380 \text{ v} \pm 30\%$, $45-55 \text{ cps}$; output, 600 va; frequency ratio, 9; output-voltage variation, e variation and $1-1.2\%$ per 1% frequency variation.
Card 1/2	

ACC NR: AT6022719

The multiplier contains 9 saturated transformers whose primary windings are connected in a complex star: the secondary windings form an open nonagon. The output voltage equals the geometrical sum of emf's of all secondary windings. A circuit diagram, a vector diagram, and voltage waveshapes are shown. Formulas and curves for designing such a multiplier are reported. The multiplier is intended for magnetic amplifiers of field regulators and similar applications. Unlimited lifetime of the multipliers is claimed, and their successful "long-time" operation at several Soviet power plants is noted. Orig. art. has: 6 figures and 12 formulas.

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002

Card 2/2







MEL'NIKOV, V.V.

Analysis of an oxyhemogram in the inhalation of oxygen. Trudy Khab. med. inst. 23 no.2:61-63 '62 (MIRA 16:'2)

Correlation of the time of the blood flow from the lungs up to the ear with the growth, frequency of the pulse, arterial pressure and other magnitudes. Ibid.:64-67

l. Iz kafedry fiziologii (vremenno ispolnyayushchiy obyazannosti zaveduyushchego kafedroy P.F.Konovalov) Khabarovskogo meditsinskogo instituta.



MELNIKOV, V.V.

Analysis of the oxyhemogram during respiratory arrest. Fiziol. zhur. 47 no.9:1142-1148 S '61. (MIRA 14:9)

1. From the Department of Physiology, Medical Institute, Khabarovsk. (APNOEA) (BLOOD---OXYGEN CONTENT)

MEL'NIKOV, V. V.; LITVINOV, N. N.; PARFENOV, Yu. D. Some new data relative to the blastomogenic action of Sr⁹⁰. Vop. onk. 8 no.7:10-14 '62. (MIRA 15:7) 1. AMN SSSR (rukovitsli raboty - deystv. chl. AMN SSSR, prof. N. A. Krayevskiy, prof. D. I. Zakutinskiy) (STRONTIUM_ISOTOPES) (CARCINOGENS)
ACC NR: AT7004346 (A,N) SOURCE	CODE: UR/2657/66/000/015/0213/0232	
AUTHOR: Yevseyenkov, P. T.; Mel'nik	ov, V. V.	
ORG: none		
TITLE: Short-wave and vhf power ampli transistors	ifiers designed with new Soviet-made	
SOURCE: Poluprovodnikovyye pribory i 1966, 213-232	ikh primeneniye; sbornik statey, no. 15,	
TOPIC TAGS: power amplifier, transis	torized amplifier, hf amplifier	
	ental investigation of several 20-100-Mc .S. transistors are reported. The V. M. alculation ("Calculation of stages of	
Card 1/2	621.396.6.029.55(62):621.382	
		an Official

STATISTIC CONTRACTOR STATISTICS

ACC NR: AT7004346

and collector currents is regarded as the most accurate (differs from experimental data by 25-30%) and reliable. A common-emitter grounded-collector circuit is the simplest and most convenient for practical use. Effective heat removal, such as described by K. H. McPhee (Electronics, 1961, v. 34, no. 18, pp. 76-78) largely determines the success of using high-power transistors. These transistors were tested in a single-transistor oscillator at frequencies between 9 and 150 Mc: Soviet, KT802A, type 1 experimental, type 2 experimental, type 3 experimental; USA, 3TX-004 Clevite, 2N2947 Motorola, 2N3632 RCA. Further, several 3-stage transistorized transmitters were developed and tested with these results: New Soviet transistors permit constructing transmitters up to 10 w at 100 Mc, or 30 w at 50 Mc, or 40 w at 30 Mc, or 100 w at 20 Mc; in all cases, the output stage has one transistor, and the efficiency is fairly high. Orig. art. has: 9 figures and 2 formulas.

在自然的思想就是我们们就没有没有没有的。 化化合金化化合金化

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 008 / OTH REF: 006

Card 2/2

. ECC

$\underline{\mathbf{I}} \xrightarrow{\mathcal{O}} \underline{\mathbf{F}} \xrightarrow{\mathcal{O}} \mathcal{O}(\mathbf{m}) / \mathcal{O}(\mathbf{T}(1))$	
ACC NR: AP6009064 (A) SOURCE CODE: UR/0207/66/00	00/001/0148/0152
AUTHOR: Mel'nikov, V. V. (Moscow); Rykov, G. V. (Moscow)	
ORG: None	·
TITLE: Experimental investigation of a stress-strain state of loessial s humidity under the effect of an explosion	oil of different
SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 1, 19	966, 148-152
TOPIC TAGS: underground explosion, soil mechanics, soil property, de	
ABSTRACT: The present authors, in cooperation with S. S. Grigoryan a had earlier (Vzryvnyye volny v lessovom grunte. PMTF, 1963, No. 4) pr of experimental investigations into spherical detonation waves in loessial turbed structure and natural humidity. The present article presents the analogous investigations performed in the same soils, but with a different	and G. M. Lyakhoy essented results soil of undis- results of t humidity
(w = 19-21% and δ = 1.34-1.38 g/cm ³ ; where w is the humidity by weigh specific weight of the skeleton of the soil). Some of the experiments were	
Card 1/2	

SACONAR SALAR

3

L 745-66

ACC NR: AP6009064

a soil with a disturbed structure ($\delta = 1.30-1.34$ g/cm³ with w = 19-21%). An analysis of the results obtained shows that with increasing humidity the coefficients of internal friction and coheston decrease. A disturbance of the structure of the soil leads to a more abrupt decrease in these coefficients. It is noted that during both the application and the removal of the load, the state of plasticity coincides. The authors are grateful to N. St. <u>Grigoryan for participating in the experiments and discussions on this work, and to G. M. Lyakhov and S. D. Mizyakin for help in the organization and the execution of the experiments. Orig. art. has: 8 figures, 9 formulas, and 3 tables. SUB CODE: 08, 19 / SUBM DATE: 14Jun65 / ORIG REF: 003</u>

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001033

ACCESSION NR: AT5023607		112/00/	0/65/000/000/0381	10387
AUTHON: Vernov, S. N.; Mel	nikov, V. V.; Sa	avenko, I. A.; Sau	rin, B. I.; Pervay	'a.
<u>T. I.</u>				=1
TITIR: Doording of shares	1 mantelalar at a		an a	
TITLE: Recording of charged electrostatic analyzer	i particles of et	lergies or U.1I	kev with a spher	1081
ciccicocacic analyzer	$\mathbf{N} = \{\mathbf{N}_{i}\}_{i=1}^{N}$ (5.5)			
		•		
SOURCE: Vsesoyuznaya konfer	entsiya po fizik	e kosmicheskogo p	rostranstva. Mos	COW.
1965. Issledovaniya kosmich	leskogo prostrans	tva (Space reseau	ch); trudy konfer	enteii.
Moscow, Izd-vo Nauka, 1965,	381-387			
TORIC TACS: catalling ant	11/1 1-1			
TOPIC TAGS: satellite, sate ion density/Elektron 2 satel	lice data stora	ige, particle cour	iter, electron den	81CY,
The construction is parent	LLCG			
ABSTRACT: Identical spheric	al electrostatic	analyzers were u	used to record pos	itive
and negative particles with	energies of up t	o 1 key on Cosmos	-12 and Cosmos-15	and
up to 10 kev on Elektron-2.	Each analyzer w	as comprised of a	spherical capaci	tor
some 60 mm in diameter, with	l input apertures	leading to plate	s spaced 12 mm ap	art,
on which a periodic high vol annular gap of only particle	cage was program	med so as to allo	w passage through	t the
		mergy range. u i	araday cyrraucr a	
Card 1/3				

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001033

L 2886-66 ACCESSION NR: AT5023607 gap output served as the collector. The input spertures and the Faraday cylinder were furnished with biased grids to eliminate thermal particles and secondary emission, respectively. A diagram of the two analyzers used on Elektron-2 is shown in Fig. 1 of the Enclosure; accumulated charge was converted to binary code. The Cosmos data generally showed that electron flux at the 1-key level did not exceed 10⁷/cm²/sec/kev at night and was only slightly higher by day. A maximum was noted during the southernmost portions of orbit, in a region south of New Zealand, attaining up to 12 x $10^{8}/cm^{2}/sec/kev$. Electron fluxes recorded on Elektron-2 showed strong variations at sunrise and sunset (referred to the satellite); these variations reached values on the order of 109/cm2/sec/kev. Irregular variations in flux readings correlated with known geomagnetic events observed during the flight. Data show that the satellite was at all times within the magnetosphere. Positive ion flux registered by Elektron-2 in the 0.1-10-key range did not exceed 5 x 107/cm2/sec. Orig. art. has: 5 figures and 1 table. [SH] ASSOCIATION: none SUBMITTED: 02Sep65 ENCL: 01 SUB CODE: ES.NP NO REF SOV: 008 OTHER: 003 ATD PRESS Card 2/3

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP

CIA-RDP86-00513R001033



APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033



"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R00103:

		1	
		·	
•	and the stand of a less (1) a less (BHALA) (BHALA) (BHALA)		
	<u>L 2759-66</u> EWT(d)/FSS-2/EWT(1)/FS(v)-3/EEC(k)-2/FCC/EWA(d)/EWA(h) UR/0203/65/008/0749/0751		
1	ACCESSION NR: AP5021003 523.165 57		
	The Mathematica P. V. Shavrin, P. I.; 56		
	AUTHOR: <u>Savenko, I. A.;</u> Savin, B. I.; <u>Mel'nikov, V. V.;</u> Shavrin, P. I.; 54		•
	Markelove, T. N.		
	TITLE: Study of 1-key charged particle streams by Kosmos-15		•
	SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 4, 1965, 749-751		
	SOURCE: Geomagnetizm 1 aeronomiya, v.), nor , y		
	TOPIC TAGS: charged particle measurement, satellite/Kosmos 15		
	Why adjusted to 1-key electron energies		·
	ABSTRACT: A spherical electrostatic analyzer, adjusted to 1 intrument compartment and containing a +12 v grid at its opening to protect the instrument compartment installed on "Kosmos-15", launched 22 April 1963.		
	and containing a +12 v grid at its opening to protect the instrument comparing 1963. from positive ion bombardment, was installed on "Kosmos-15", launched 22 April 1963.		
•	The snalyzer's maximum sensitivity was to may the stages, the first two		
	ticles/cm ² sec key. The measurement program the third stage - 1-key positive		
	stages consisting in recording 1-key electrons, the unit stage ions, while during the fourth stage the spheres made contact with the satellite ions, while during the fourth stage the spheres made contact with the satellite		
	ions, while during the fourth stage the spheres made contact with one sig. 1 of Enclo- body. The cycle was thereafter repeated. Measurement results (see Fig. 1 of Enclo- body. The cycle was thereafter repeated at identical latitudes on either side		•
	body. The cycle was thereafter repeated. Measurement results (act reither side sure) indicated the presence of two maxima at identical latitudes on either side		
.•			
	Card 1/3		
			i i
		1	

2759-66 ACCESSION NR: AP5021003			
of the equator, where the daily s north. Orig. art. has: 3 figure	8.		
ASSOCIATION: Institut yadernoy f (Institute of Nuclear Physics, Mo	iziki Moskovskogo gosud scow State University)	• •	
SUBMITTED: 050ct64	ENCL: 01	SUB CODE:	
NO REF SOV: 003	OTHER: 000	ATD PRESS:	4102
			•
		•	
	. .	•	

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R00103:



APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001033

L 1127-66 FSS-2/ENT(1)/FS(v)-3 ACCESSION NR: AP5026220	
AUTHOR: Vernov, S.N.; Mel'nikov, TITLE: Investigation of low-energy 15, and Electron 2 satellites / Keps held at Apatity, 24-31 August 1964/ SOURCE: AN SSSR. Izvestive	tay its
TOPIC TASS: artificial earth satel. flux, ion flux, low energy particle ABSTRACT: Spherical electrostatic of mos 12, Cosmos 15, and Electron 2 sa liminary results obtained with them tric spherical deflecting electrodes traversing the analyzer were collected	The luminosity at maximum transmission was
ard 1/3	And a second sec

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R00103:

L 4127-66 ACCESSION NR: AP5026220 0.7 cm² sterad with $\Delta E/E_0 \approx 30\%$, and the geometric factor was 0.1 E₀ cm² sterad kev. The analyzer on the Cosmos 12 was sequentially programmed to record 0.5 key electrons or 1 key electrons or ions, and that on the Cosmos 15 recorded 1 key electrons or ions and was provided with a positively charged screen to reject thermal ions. The Electron 2 carried two analyzers, which were programmed to record charged particles of seven different energies ranging from 0.1 to 10 kev The fluxes of 1 key charged particles observed with the two Cosmos satellites were ordinarily near or below the threshold. Fluxes exceeding 107 particles/cm2 sec. key observed on the daylight side are ascribed to photoelectrons from the screen, although there are indications of the presence of particle fluxes. Steady fluxes up to 2 x 107 particles/cm2 sec key were observed south of New Zealand in the region of the maximum southern isochasm. It is suggested that an intensity increase over the equatorial Pacific observed on 27 Dec. may be associated with the solar flare of 24 Dec. The Electron 2 measurements revealed a broad region near the Earth of increased electron intensity. The extent of this region, and its electron intensity fluctuated considerably. Electron intensities of 5 x 108 particles/ cm² sec key at 0.2 key and 5 x 107 particles/cm² sec key at 10 key were observed in this region. Intensity increases were also sometimes observed near the apogee. Orig. art. has: 5 figures. [15] Card 2/2

"APPROVED FOR RELEASE: Wednesday, June 21, 2000



CIA-RDP86-00513R001033

3h3%C s/203/61/001/006/01%/C p055/p113

9.6150 AUTHORS:

Mel'nikov, V.V., Savenko, I.A., and Savin, B.I.

TITLE:

The use of electrostatic analyzers for studying the soft charged component of cosmic rays

PERIODICAL: Geomagnetizm i aeronomiya, v. 1, no. 6, 1961, 101-394

TEXT: The authors describe the use of spherical electrostatic analyzers of high light-intensity with large entry windows for studying the spectra of low-energy particles in cosmic radiation. A Faraday cylinder with an electrometrical circuit may be used as a recording device. Transmittance and light intensity for particles with equiponderant energy are calculated for analyzers with either an acute angular or funnel-shaped diagram of sensitivity. The influence of scattered fields is not included in the calculations and it is assumed that the width of the gap between the electrodes of the deflecting capacitor was small, compared with the mean radius of the gap. The study of the soft ion and electron components has an

Card 1/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001

S/203/61/001/006/016/021 D055/D113

The use of electrostatic ...

important application in space radio communication, radio hotronomy and radio navigation. Between 1959 and 1961, several different electroptation analyzers were developed at the Institut yadernoy fiziki (Institute of Nuclear Physics). They have the following advantages: a differential energy spectrum of particles can be obtained; light intensity can be made much greater than in a magnetic analyzer of comparable size; if the ipen electron multiplier is used as a detector, very small flows of 1 particle/im sec:sterad with energies of 10² ev and higher can be detected; the analyzers electronic and optical properties do not depend on the particle's mass. There are 8 figures and 6 references, 4 Soviet and 2 non-Soviet. The English-language references are: F.T. Rogers. Rev. Sci. Instr., 1951, 32, 723-726; M. Walt, L.F. Chase, J.B. Cladis, W.L. Imhof. Proc. First Intern. Space Science Symposium, Nice, 1960, no. 11-16, 910.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M.V. Lomonocova. Institut yadernoy fiziki (Moscow State University imeni M.V. Lomonosov. Institute of Nuclear Physics).

SUBMITTED: October 17, 1961.

Card 2/2

 <u>L 27192-55</u> EMT(d)/EMT(I)/FEC(m)/FSF(h)/FSS-2/FS(V)+3/EEC(k)-2/EMG(a)-2/EMG(v)/ PCG/EMA(d)/EMC-L/EEC(t)/EMA(h)/EMA(c) Po-L/Pe-5/Pg-L/Pas-2/ Peb/Pi-L/PK-L/PI-L TT/AST/GW/MS ACCESSION NR: AP5005197 S/0203/65/005/001/0148/0154 AUTHOR: Mel'nikov, V. V.; Savenko, I. A.; Savin, B. I.; Shavrin, F. I. TITLE: Experience in the use of an electrostatic analyzer on Cosmos-12¹⁰ 70 SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 1, 1965, 148-154 B TOPIC TAGS: electrostatic analyzer (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
face of the gap was on mm, that of the
Card 1/3

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

Rothers

	"APPROVED	FOR RELEASE:	Wednesday	, June 21,	, 2000
--	-----------	--------------	-----------	------------	--------

CIA-RDP86-00513R001033

a an an an an an an an ann an Anna an Anna Anna an Anna an Anna an Anna an Anna Anna Anna Anna Anna Anna Anna A Anna an				
L 27192-65				
ACCESSION NR: AP5005197				
in front of the input and be stray fields. The passband sensitivity under isotropic following conclusions are d the flight of Cosmos-12: 1 of 1 key on the night side sensitivity of the analyzer electron and ion intensitie of the Facific, due presum which occurred during the f 6×10^6 part/cm ² sec key we 4) To the south of New Zeal ($\sim 10^8$ part/cm ² sec key) we	width of the endry approx 6 conditions was approx 6 rawn from measurements ma) The intensities of elect of the Earth were usually . 2) On two orbits, the s (> 10^8 part/cm ² sec key ably to the effects of a so light. 3) No constant in the measured during the day	x 10 ⁶ part/cm ² s ide with the analytrons and ions to lower than the analyzer register over the equation solar flare of maintensity levels aytime sectors of eased intensity	sec key. The lyzer during with energies threshold ered higher torial regions agnitude 1 exceeding f the flight.	
art. has: 4 figures.				
ASSOCIATION: Moskovskiy & (Moscow State University)	osudarstvennyy universite Institute of <u>Nuclear Phys</u>			
SUBMITTED: 17Sep64	ENCL: 01	SUB CODE:	ec, em	
NO REF SOV: 003	OTHER: 003	ATD PRESS:	3191	
Card 2/3	ار این میکند. به میکند از میکند میکند از این میکند از میکند از میکند میکند از میکند ا			

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033





APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

MELNIKOC VU 3-3-16/40 Mel'nikov, V.V., Detsent, Candidate of Technical Sciences AUTHOR: Students Gain Production Skills (Studenty priobretayut TITLE: proizvodstvennyye nevyki) Vestnik Vysshey Shkoly, March 1957, # 3, p 67-71 (USSR) PERIODICAL: The Radiotechnical Faculty of the Ural Polytechnical Institut has experience in teaching engineer students. ABSTRACT: In the first course the students are taught the cold machining of metals and the assembling of radios. In the training workshops they learn the fitter's trade. The article then deals in detail with the necessity of early training in radio repair and the various operations which the students are taught. The next section of the article describes student practical laboratory work, where methods adopted by the Moscow Physico-Technical Institute and the Moscow Institute of Energetics are applied. The last section quotes a few examples from the Faculty's practice showing how practical skill is obtained by the students in connection with their course-examination. The experience of the Radio-Technical Faculty proves that the students can be Card 1/2











ELLITEDV, V. V.

"The Composition and Propagation of Algae in Certain 3 1: the Vakhshskaya and Hasarskaya alleys of ont con Tadzh kittan." "and Hit Sci, Inst of Botany, Acad Jei 1998, Leningrad, 1953. ("ZhBiol, 101, Jen 54)

SU: Jum 432, 29 Mar 55

CONTRACTOR OF THE OWNER OF THE OWNER ĺδ 1 61411-65 EWT(d)/EWP(h)/EWP(1) ACCESSION NR: AP5019107 UR/0286/65/000/012/0134/0134 AUTHORS: Afonin, A. N.; Yershova, G. I.; Ivanovskiy, K. Ye.; Ioffe, F Komasheriko, Aż^{*}Kh.; Kon'kova/⁷T²F.; Lipovetskiy/⁷V.³A.; Mel'nikov/⁷V.³A.; Mishedchenko⁷/Yu³D.; Neverovich,⁷⁷A.⁵H.; Paris-Revuel'ta,⁷⁷A.⁴A.⁴ Semenov⁷V.⁴ Preobrashenskiy⁷/O.⁴A.; Rikman,⁴M.³A.; Semenov⁴,⁷B.³D.; Sukhanov⁴A.³I.; Sheleg, R. C.; Yaguzhinskiy, S. M. 44 55 44 55 64 TITLE: Carriage for a drive chain of an overhead thrust conveyor. Class 81, 8 No. 172230 SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 134 TOPIC TACS: overhead conveyor, drive chain, carriage, crane 44 55 ABSTRACT: This Author Certificate presents a carriage for a drive chain of an overhead thrust conveyor. The carriage consists of running rollers mounted on an axle fixed to the casing which supports a thrust cam and which is connected to the chain through fastening elements, including a fastening bolt (see Fig. 1 on the Enclosure). To simplify the construction of the carriage, the thrust can is made in one piece with the fastening bolt, while the casing is made in one piece with the axle. Orig. art. has: 1 diagram. Card 1/3

Contraction of the second

SSOCIATION	IR. AP5019107 I: Vsesoyuznyy go mashinostro d Conveying Mag	nauchno-issl yeniya (All-U	edovatel'sk nion Scient	iy institut p		3	
UBMITTED:		chine Construe ENCL:	<u>eeron</u>)	44 5	JUB CODE: IE		
o ref sovi	000	other:	000				
rd 2/3							

L

STATISTICS OF STATISTICS

ACC NR: AP6034211 SOURCE CODE: UR/0368/66/005/004/0437/0441	
AUTHORS: Genkin, V. N.; Mel'nikov, V. V.	
ORG: none	
TITLE: The possibility of large power dissipation in pulsed xenon lamps	
SOURCE: Zhurnal prikladnoy spektroskopii, v. 5, no. 4, 1966, 437-441	
TOPIC TAGS: xenon lamp, shock wave, UV light source, recombination emission	
ABSTRACT: The possibility of using pulsed xenon lamps as light sources in the near UV part of the spectrum was investigated. Such radiation does not normally exceed 37% of the electrical energy dissipated in such lamps. Increased voltage is neces- sary to produce measurable quantities, but this increases the intensity of the shock wave that forms in the tube at the moment of discharge, and the lamp tube is thus in danger of breaking. A successful test was made of a supply circuit with inductive resistance used to eliminate the shock wave in the lamp. Examination of the resulting spectral distribution of emission showed a background associated chiefly with recom- bination of ions and electrons, with retarded radiation of the electrons. The emis- sion spectra were studied in the range from 3000 to 9000 Å for various parameters of the supply circuit. The amount of capacitance has no effect on the distribution.	-
and it is the seen that the energy distribution for xenon-lamp	
UDC: 621.385.8	
	e provincia de la C
ACC NR: AP APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-005	13R00:
emission is not black-body distribution, due to the substantial contribution of ion and atom lines at the discharge energies obtainable in the lamp tube. The authors thank R. P. Vasil'yev for supplying lamps for the experiment. Orig. art. has: 3 figures and 2 tables.	
SUB CODE: 20/ SUBM DATE: 03Mar65/ ORIG REF: 010/ OTH REF: 001	
·	
	/
	<u> </u>
	·
- 2/2	
Card 2/2	



ļ







STICHETEV, V.S., otv. za vyp.; MEL'NIKOV, V.Ye., red.; EOBROVA, Ye.N., tekhn. red.
[Album of drawings of the D12 diesel engine] Al'bom chertezhei dizelia D12. Moskva, Transzheldorizdat. Vol.1. [Crankcase, cylinder block, crankgear and gas (istribution mechanisms, inlet and outlet manifolds, transmission mechanism] Karter, blok tsilindrov, krivoshipno-shatumyi i gazoraspredelitel'nyi mekhanizmy, vpusknoi i vypusknoi kollektory, mekhanizm peredach. 1963. 236 p. (MIRA 17:1)
1. Russia (1923- U.S.S.R.) Glavnoye upravleniye lokomotivnogo khozyaystva.

ENGENERATED FOR SEARCH AND FRANK

TEREKHOV, V.M., inzh.; MURZHIN, I.I., inzh.; LEVITSKIY, A.L., inzh.; retsenzent; MOISEYEV, G.A., inzh., retsenzent; NOVOSEL'SKIY, B.S., inzh., retsenzent; DENISOVA, T.V., inzh., retsenzent; YEREMEYEV, A.S., inzh., retsenzent; DZHAVAKHYAN, T.V., inzh., retsenzent; BOL'SHAKOV, A.S., inzh., retsenzent; SHCHERBACHEVICH, G.S., inzh., retsenzent; KLINOV, N.N., inzh., retsenzent; KHARLAMOV, P.G., inzh., retsenzent; VIL'CHINSKIY, V.L., inzh., retsenzent; KONOVALOV, S.Y.e., inzh., retsenzent; MAMCHENKO, V.P., inzh., retsenzent; YULCHENKO, I.F., inzh., retsenzent; POIEKHA, A.M., inzh., red.; MEL'NIKOV, V.Y.e., inzh., red.; KHITROVA, N.A., teknn. red.
[Handbook for the diesel locomotive operator] Spravochnik mashinista t-glovoza. Izd., ispr. i dop. Moskva, Transzheldorizdat, 1963. 479 P. (MIRA 17:1)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CI

CIA-RDP86-00513R001033





1001710

RANGERSCHUMPER DER BURGERSCHUMPERSCHUMPERSCHUMPERSCHUMPERSCHUMPERSCHUMPERSCHUMPERSCHUMPERSCHUMPERSCHUMPERSCHUMP

MEL'NIKOV, V.Ye., red.






الطواليجية ويوجه والارد والارداد والمراجع

接口的运动运动中的

MEL'NIKOV, V.Ye., red.

[Instruction for the repair, maintenance and testing of the braking equipment of locomotives and multiple-unit trains (superseding the Instruction TsT/1568 published in 1952)] Instruktsiia po remontu i ispytaniiu tormoznogo oborudovaniia lokomotivov i metorvagonnykh poezdov (v otmenu Instruktsii ToT/1568 izd. 1952 g.). Moskva, Transport, 1964. 274 p. (NIRA 17:10)

1. Russia (1923- U.S.S.k.) Glavnoye upravleniye lokomotivnogo khozyaystva.

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103: KHARLAMOV, Favel Georgiyevich; KUZ'MICH, Vadim Dmitriyevich; FAKHONOV, Erik Aleksandrovich; MEL'N.KOV, V.Ye.; red. [Air, cil, and fuel filters of diesel locomotives; their design, maintenance and repair] Vozduchnye, maslianye i toplivnye fil'try teplovozov; ustroistvo, oosluzhivanie toplivnye fil'try teplovozov; ustroistvo, oosluzhivanie i remont. Moskva, Transport, 1965. 66 p. (MIRA 18.4)

1.	HELINIKOV, Yakov
2.	USSR (600)
4.	Skating
7.	Ahead by a lap! Yakov Mel'nikov. Mol. kolkh. 20, No. 2, 1953.
	May 1953, Unclassified.
9.	Monthly List of Russian Accessions, Library of Congress, <u>May</u> 1953, Unclassified.

KRYACHKO, I.A., dots., otv. red.; PRIOROV, N.N., prof., red.; MOSHKOV, V.N., prof., red.; LETUNOV, S.P., prof., red.; SOKOLOV, A.A., vrach, zasl. master sporta, red.; LEVANDOVSKIY, L.I., red.; KUKOLEVSKIY, G.M., red.; GOTOVTSEV, P.I., red.; MEL'NIKOV, Ya.A., red.; FILIPFOVA, L.I., kand. med. nauk, red.; BEL'CHIKOVA, Yu.S., tekhn. red.

[Sports medicine; transactions of the Twelfth International Congress on Sports Medicine] Sportivnaia meditsina; trudy Mezhdunarodnogo kongressa sportivnoi meditsiny, 12th, Moscow, 1958. Moskva, Gos. izd-vo med. lit-ry, 1959. 646 p. (MIRA 14:10)

1. Mezhdunarodnyy kongress sportivnoy meditsiny, 12th, Moscow. 1958.
2. Zamestitel' predsedatelya Organizatsionnogo komiteta i chlen ispolnitel'nogo komiteta Mezhdunarodnoy federatsii sportivnoy meditsiny, (for Kryachko). 3. Deystvitel'nyy chlen AMN SSSR i TSentral'nyy institut travmatologii i ortopedii (for Priorov). 4. Chlen-korrespondent AMN SSSR i TSentral'nyy institut usovershenstvovaniya vrachey i TSentral'nyy institut kurortologii (for Moshkov). 5. TSentral'nyy nauchno-issledovatel'skiy institut fizicheskoy kul'tury (for Letunov). 6. Sektsiya futbola SSSR Vsesoyuznogo trenerskogo soveta (for Sokolov). 7. Institut fizicheskoy kul'tury im. I.V.Stalina (for Kuko-lovskiy). Vrachebno-fizkul'turnyy dispanser no.2, Moskva (for Filippova). (SPORTS MEDICINE-CONGRESSES)

APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001033





ACOSHKOV, M. I., TRUMBACHEV, V. F., AND MEINIKOV, Ye. A., Mining Engr. ADISHS of Stress Conditions and the Stability of Foors and Interchamber Pillars in Areas of the Kursk Magnetic Anomaly, p. 87 in book Problems on the Exploitation of Minoral Ore Doposits, Moscov, Izd-vo AN S3SR, 1958, 251pp. Nearly vertically diping, tightly folded and compressed ferruginiferous quartites are extracted by the chamber-pollar method with permanently remaining pillars. To test the adequacy of selected dimensions for both components an analytical method for extreme equilibria and suitable tests are presented.

12,1 Me Ye 292 396 261 274 89 202 Makhin, M.Te., and L.A. Mansurov. Study of the Brain Faraneters ... in a Doited Set transhedner, Y.F., and Ya.A. Halinikov. Stress Distribution in Chamber Noofs Technique of Deterning the Minimum Luny 2130 Bromitov, D.M. Comparative Evaluation of Drilling minat-holes Min Notary Cutters and Fneuratio Harmors in Onderground Ore Eventing .: H.V. Mel'ulkov, Corresponding Nember, USER Asademy of Desi Mi. of Publishing House: Th.F. Tailiyes; Tech. Mi. MTONE: This book is intended for eash and ore siming engineer greevin, G.A. Analysis of the Distribution of Vorting fire in Drilling Distributes with Dormatio Harror Juits H67/106 M61/100 2 Parfilov, Ye.I. Ore Dressing and Its Basis Indeses PLASE I BOOK KUPLOITATION Institut goraçã dela Errata sity in 5 geientifie Problems (cont.) HAZAFUALK, A.F. T of Dressed Ore UN cash 555R. 202 ETHERTON NO AL į arra as sool and Loouran Loouran Loouran Loouran Loouran Card 6/7 538 Ş

CIA-RDP86-00513R00103:

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033







MEL'NIKOV, Ye.A., inzh.

Conference on problems of rock pressure and the reinforcement of vertical workings. Shakht. stroi. 6 no.3:30 Mr '62. (MIRA 15:3) (Rock pressure--Congresses) (Mine timbering--Congresses)

TRUMBACHEV, V. F.; MELNIKOV, Ye. A. "Distribution of Stresses in the Intervening Pillars at Medium and Steep Dips." paper to be presented at the Intl Mineral Dressing Conf, New York City, 20-24 Sep 64. Inst of Mining Affairs im A. A. Skochinskiy, Moscow.





TATISTIC STATISTICS AND A DATA STATISTICS

KHESIN, Gennadiy L'vovich; BABENKOV, Igor' Sergeyevich; IVANOV, Konstantin Ivanovich; MEL'NIKOV, Ye.A., otv. red.; LEDOVSKAYA, V.V., red.; IVLEVA, I.P., red.

[Stress distribution in a boring instrument and in rock; static and dynamic investigation by the photoelastic method] Raspredelenie napriazhenii v burovom instrumente i porode; staticheskie i dinamicheskie issledovaniia metodom fotouprugosti. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii ugol'noi promyshl., 1963. 89 p. (MIRA 17:4)

STANAL ASIA

a succession of the second



CIA-RDP86-00513R001033 APPROVED FOR RELEASE: Wednesday, June 21, 2000





a har a langen skene skene kan kan kan sene sere in sere in sere sere sere sere kan kan sere sere sere sere se

ACC NR: AT7002120

development of techniques. The method has been used even less commonly in studying other mining problems. Objectives in developing the method should include improvement of techniques in making model studies. Primarily this involves the necessity of producing new, improved, optically active material to simulate rocks in all their various properties. The stress distribution about mine workings must be investigated in more detail in order to work out all the problems relative to optimum size, shape, and spacing of tunnels and other workings, relative to the effects at contacts with supports, relative to the stability of walls, and so forth. Photoelastic coatings may be of considerable value, but they cannot replace the function of optically active material. More experimental work and comparison with actual measurements in mines are needed. Orig. art. has: 3 figures. (W. A. 101)

SUB 6002: 20, 08/ SUBM DATE: 14Jun66/ ORIG REF: 021/ OTH REF: 005

Card 2/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP

CIA-RDP86-00513R001033









	"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001	03:
1.	MEL'NIROV, Ye.F.	نەتكىت ئىتىد - -
2.	USSR (600)	
4.	Fish Culture - Ukraine	
7.	Collective farm pond fish culture is the Ukraine, Ryb.khoz. 29 no. 4, 1953.	
		•.
		,
		-
9.	Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.	
<i>.</i>		

2



SALESCIER REPORT OF THE SECOND

MELINIKOV, YE. F., CAND BIO SCI, "EGOLOGICAL PRINCIPLES of onon-th intensification of tench <u>Tinca tinca L</u> in pond fisheries of UKSSR." Kiev, 1961. (Min of Higher and Sec Spec ED UKSSR, DNEPROPETROVSK STATE UNIV in 300th Anniversary of the Reunition of UKRAINE HET RUSSIA). (KL, 3-61, 211).