是这一个的。1915年中国的特别的1916年的1916年的1916年,1918年,1918年的1918年中国的1918年中国的1918年中国

SETHICY, S.: EIRSANOV, A.: RUDAKOV, N.: MILYUCHIKHIN, A.

Machine mends stockings. Prom.koop. no.6:11 Je '57. (MLRA ln:7)
(Sewing machines)

RUDAKOV, N.

Urgent problems. Prof.-tekhn.obr. 19 no.11:5-6 N '62.

(MIRA 16:2)

1. Zamestitel' nachal'nika Severo-Kazakhstanskogo oblastnogo upravleniya professional'no-tekhnicheskogo obrazovaniya.

(North Kazakhstan Province--Farm mechanization-Study and teaching)

RUTAHOV, H. A.

Liniia Kurgan_Shadrinsk, Liniia Semipalatinsk-Fishped s vet'iu Sergiopol-Chuguchak. / Kurgan-Shadrinsk line; Semipalatinsk-Fishpek line with Sergiopol-Chuguchak branch_/. (Transport ikhoz-vo, 1926, no. 5, p. 57-60).

LLC: HE7.T68

Soviet Transportation and Communications, A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified

SKORIK, A.D., inzh.-inspektor; KANDAKOV, V.; SLYUNCHENKO, M.D., inzh.; SEDNEV, A.I., inzh. po tekhnike bezopasnosti (Nebit-Dag, Turkmenskaya SSR); SHCHERBAKOV, S., inzh.; RUDAKOV, N.A.

Readers' letters. Bezop. truda v prom. 8 no.11:53-54 N '64. (MIRA 18:2)

1. Upravleniye Sredne-Volzhskogo okruga Gosudarstvennogo komiteta pri Sovete Ministrov RSFSR po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru (for Skorik).

2. Glavnyy mekhanik zavoda Yacheistykh betonov, Tatarskaya ASSR (for Kandakov). 3. Nachal'nik proyektno-konstruktorskogo byuro tresta Novovolynskugol' (for Slyunchenko). 4. Upravleniye l'vovskogo okruga Gosudarstvennogo komiteta pri Sovete Ministrov UkrSSR po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru (for Shcherbakov). 5. Amakinskaya ekspeditsiya Yakutskogo geologicheskogo upravleniya (for Rudakov).

RUDAKOV, N. A. Cand Tech Sci -- (diss) "Study of the beater-drum threshing of cobs adaptable in grain-combine harvesting of corn." Mos, 1959, 18 pp (All-Union Order of Lenin Anad Agr Sci im V. I. Lenin. All-Union Sci Res Inst of Mechanization of Agr VIM). (KL,50-59, 127)

-42-

AKHMETOV, M.M., kand. tekhn. nauk; ANOSHKIN, V.V., gornyy inzh.; DROZDOVSKIY, N.N., gornyy inzh.; SHAMSUTDINOV, R.N., gornyy inzh.; RUDAKOV, N.F., gornyy tekhnik; KNYAZEV, V.L., tekhnik

Results of testing electric detonators with a delay interval of 15 msec. Gor. zhur. no.5:38-39 My '65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel skiy gornometallurgicheskiy institut tsvetnykh metallov (for all except Knyazev). 2. Lenino-gorskiy polimetallicheskiy kombinat (for Knyazev).

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445910012-4"

omercial included and a

RUDAKOV, N. I. Cand Tech Sci -- (diss) "Theoretical and experimental study of the process of supercharging in quick-passage piston compressors."

Mos, 1958. 9 pp (Min of Higher Education USSR. Mos Higher Tech School im N. E. Bauman MVTU), 110 copies (KL, 13-58, 97)

-70-

HUDAKOV, N.I.; ZAV'YALOV, S.H., tekhn. red.

[Theoretical and experimental investigation of the compressing process in high-speed reciprocating compressors]. Teoreticheskoe i ekoperimental'noe issledovanie protessas magnetania v bystrokhodnom porshnevom kompressore. Moskva, 1957. 117 p. (Moscow. Nauchno-issledovatel'skaia laboratorila drigstelei. Trudy, no. 5).

(Air compressorb)

RUDAKOV, N.P., Cand Bio Sci -- (diss) "Application of radioisotopes for the study of absorption and investigation of certain mineral ions in fish and their marking." Len 1958, 15 pp. (All-Union Sci RES Instof Lake and River Fisheries) 150 copies (KL, 39-58, 108)

- 23 -

AUTHOR:

Rudakow, N. P.

SOV/20-120-3-62/67

TITLES

Accumulation and Losses of Calcium by Carp Fingerlings, Depending on the Concentration of Calcium Compounds in the Surrounding Medium (Nakopleniye i poteri kal'tsiya segoletkami karpa v zavisimesti ot kontsentratsii kal'tsiyevykh soyedineniy v okruzhayushchey srede)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 3,

pp. 661-664 (USSR)

ABSTRACT;

As known, fishes are able to assimilate mineral substances not only from nutrition but also from the surrounding medium immediately (references 1 - 5). The marking with radioactive isotopes has proved this possibility for talcium and phosphorus (references 6 - 9). The quantitative part of the problem, however, remains little researched. This refers to the relationship between the absorption of these substances and their concentration in the water-medium. For his investigations the author used Ca⁴⁵, the fish were hybrids of the carp with the cyprinus carpio L. They were divided into two groups, one of them was bred

Card 1/4

Accumulation and Lesses of Calcium by Carp Fingerlings, Depending on the Concentration of Galcium Compounds in the Surrounding Medium

SOV20-120-3-62/67

in water with a high (60 - 70 mg/liter) calcium content, the other one, however, in calcium-poor water (5 - 7 mg/liter). According to this, the calcium content in the ash of the first group amounted to 29.12 % (not decalcined fish) and 18,7 % in the second group (decalcined fish). For the investigation of the calcium absorption the fish were put into solutions of mixtures of radioactive and normal calcium where they were kept for 6 hours. It was proved that the fish absorb the higher percentage of calcium from diluted solutions than from concentrated solutions. Decalcined fish accumulate total calcium 1,2 - 1,5 times more intensively than the others (figure 1). The accumulation curve of calcium is similar to the adsorption-isotherm. In the second experimental series the losses of calcium after the transference of the fish into non-radioactive water were determined. After having teen in radioactive water for seven hours they were kept in non-radioactive water for 24 hours. The calcium concentration amounted to 10, 40 and 100,0

Card 2/4

Accumulation and icesses of Calcium by Carp Fingerlings, Depending on the Concentration of Calcium Compounds in the Surrounding Medium

想是"未是是我的的心态意思。"""不过知识"多?"…

sov/20-120-3-62/67

mg/liter. The highest losses of radicactive calcium occur in solutions with a minimum content of calcium. An inverse interrelationship is proved for the losses of total calcium. In decalcied fish the losses of radicactive and total calcium were considerably higher than in the others (figure 2). There are 2 figures and 16 references, 10 of which are Soviet.

ASSOCIATION:

Vsesoyuznyy nauchno-issledovatel'skiy institut ozernogo i rechnogo rythogo khozyavstva (All-Union Scientific Research Institute for Lake and River Fisheries)

PRESENTED:

February 10, 1958, by Ye. N. Pavlovskiy, Member, Academy of

Sciences, USSR

SUBMITTED:

February 3, 1958

Card 3/4

	Size and the size of the size
Accumulation and Losses of Calcium by Carp	S0V/20-120-3-62/67
Fingerlings, Depending on the Concentration of	33.723.723.732
Calcium Compounds in the Surrounding Medium	
1. CarpPhysiology 2. CalciumAbsorption 3. Carp-	-Absorptive properties
4. Calcium isotopes (Radioactive) Applications	
Card 4/4	

CIA-RDP86-00513R001445910012

S/169/62/000/011/057/077 D228/D307 Isotopic effect when determining primary organic mat-ter production in reservoirs by the radio-isotope Rudakov, N.P. Referativnyy zhurnal, Geofizika, no. 11, 1962, 5, produktsiya abstract 11V32 (In collection: Pervicha. 214-218) abstract vnutr. vod, Ninsk, 1961, 214-218 AUTHOR: The Gl4 method of determining the primary production of determining the primary productions of corrections of series of corrections them the isotopic of reservoirs is widely known at procedure; among them the them to it widely known at procedure; among the magnitude.

The Gl4 method of determining the primary production is of corrections in the primary production.

The Gl4 method of determining the primary production appears to have the primary production. method TITLE: is introduced in the calculation procedure; among them the isotope the introduced in the calculation procedure; among them the magnitude.

Is introduced in the calculation procedure; among them the magnitude.

Is introduced in the calculation procedure; among them the isotopic effect on the calculation procedure; among them the isotopic effect phenomena arise from differences in the them. effect correction appears to have the highest absolute magnitude.

The kinetic isotopic to arise from The kinetic isotopic to arise from The kinetic isotopic to an arise from The kinetic isotopic to an arise from The kinetic properties of isotopes.

Isotopic effect phenomena of isotopes. At present, however, than the the thermodynamic, so however, than the atoms. It present is and kinetic properties than the atoms. It present considered in tests with labelled atoms. Isotopic effect constants able methods for calculating the kinetic isotopic effect. REKIODICYP: r iŧ SD Card 1/2 Card 2/

L 54650-65

ACCESSION NR: AT5014957 UR/0000/65/000/000/0030/0042

AUTHOR: Shur'yan, I. M.; Ryabova, E. Z.; Rudakov, N. P.

TITLE: Peculiarities of the effects of neutron and x-ray radiation on the hematopoietic and cardiovascular systems

SOURCE: An UkrSSR. Institut fiziologii. Biologicheskoye deystviye neytronnogo izlucheniya (Biological effect of neutron radiation). Kiev, Naukova dumka, 1965, 30-42

TOPIC TAGS: neutron radiation, x ray radiation, biological effect, cardiovascular system, hematopoiesis, rat

ABSTRACT: The comparative effects of x-rays and neutrons in biologically equivalent doses on the hematopoietic and cardiovascular systems of 200 rats were studied. The 200 rats weighed an average of 140 g. Irradiation took place in the horizontal channel of a nuclear reactor. In the first series of tests, rats were exposed to 400-rad doses (reactor power, 4.0 Mw) of fast neutrons and 600-r doses of x-rays with a radiation duration of 23.6 min. In the second series, animals were irradiated with a fast neutron dose of 175 rad (reactor power, 8 Mw), in the third series, with 200 rad (10 Mw), and in the fourth series, with 800 r. The morphological con-

Card 1/5

L 54650-65 ACCESSION NR: AT5014957 tent of peripheral blood, erythrocyte resistance, and electrocardiograms were studied 3 times before and 4, 8, 12, 16, 20, 24, and 30 days after irradiation. Some results of the tests are given in Tables 1, 2, and 3 of the Enclosure. It was concluded that fast neutrons differed from x-rays in their biological effects, evoking more severe changes in the content of the blood (reticulocyte content, general leukocyte quantity, absolute number of lymphocytes and neutrophiles, and thrombocyte quantity). Recovery from the effects of neutrons took longer than recovery from x-rays. The blood indices of irradiated animals had not normalized even after a month. Erythrocyte stability was more sharply lowered, equilibrium processes were more noticeably altered, and qualitative changes in erythropoiesis were greater as a result of neutron irradiation. Finally, fast neutrons not only evoked dystrophic changes in the cardiovascular system as did x-rays, but produced injuries to cardiac muscle. Orig. art. has: 3 tables and 3 figures. ASSOCIATION: Institut fiziologii imeni A. A. Bogomol'tsa AN UkrSSR (Institute of Physiology, AN UkrSSR) SUB CODE: L8 ENCL: 03 SUBMITTED: 22Feb65 ATD PRESS: 4026 OTHER: 009 NO REF SOV: 008

I. 54650 - 65							ENCLÓS	URE: 01	
ACCESSION NR: AT50	114957							O	
Ta of	ble l. M	orpholog	ical con with 400	itent of)÷rad fas	the peri	pheral t	lood		
indices	norm				16th day) 24th day	30th days	
Hemoglobin	38,8 %— 14,8 g 6700000	74,4 %— 12,4 g 5800000	67,8 %— 11,3 g 6420000	66,6 % 11,1 g 4690000	81,0 %— 13,5 g 5200000 7666	82,0 %— 13,7 g 6416000 6160	78,0 %— 13,0 g 5960000 6420	76,8 %— 12,8 g 5940000	
Erythrocytes Leukocytes Color index Reticulocytes Thrombocytes	14820 0,5 46 285000	1262 0,6 18 163000	2814 0,5 19 182000	5200 0,6 22 203000	0,7 30 298000	0,6 46 314000	0,5 49 299000	0,8 59 291000	
Neutrophiles Stabnuclear Segmentonnuclear	139 4333 252	19- 319 11	22 874 46	84 1975 107	126 2503 152	175 2161 134	292 3152 122	285 2881 297	
Eosinophiles Basophiles Lymphocytes Monocytes Tuerck's cells	9722 196 178	0 818 56 39	0 1692 102 78	0 2847 108 79	0 4535 198 152	0 3515 63 112	0 2655 93 106	0 5551 213 213	

L 54650-65 ACCESSION NR: A	Table 2	Morrob	ological	current	of the	peripher		closure: C	
indices	of rats	irradia	ted with	12th day	(-rays.	مردو ه ا		30th day	
emoglobin crythrocytes eukocytes color index leticulocytes frombocytes eutrophiles	90,0 %— 15,0 g 6963000 12390 0,6 54 27,4000	82,2 %— 13,7 g 5970000 2870 0,6 32 233000	72,0 %— 12,0 g 6130000 4933 0,5 38 264000	64,2 %— 10,7 g 4740000 6788 0,6 54 259000	58,8 %— 9,8 G 5480000 7613 0,5 59 250000	73.2 %— 12.2 g 5970000 11512 0,6 65 285000	81,0 %— 13.5 g 6317000 12412 0,6 '76 293000	81,0 %— 13,5 g 6410000 16112 0,6 57 323000]	
Stabnuclear Segmentonuclear Sosinophiles Sasophiles Lymphocytes Monocytes Tuerck's cells	118 3815 280 0 7880 182 115	25 1378 29 0 1330 63 45	178 1893 68 0 2590 146 58	43 2638 51 0 3728 .189 139	144 3294 132 0 3785 132 126	219 4528 263 0 6256 157 89	190 5798 289 0 5819 136	257 6636 421 0 8321 251 226	

L 51650-65 ACCESSION NR: A	T5014957							LOSURE: 03
n e	able 3. f rats i	Morpholorradiate	ogical co i with 8	ontent o 00-r x-r	f the pe	ripheral	. bl.ood	
indices	norm	4th day	8th day	12th day	l6th day	20th dev	24th day	30th day
Hemoglobin Erythrocytes Leukocytes Color index Reticulocytes Thrombocytes	81,0%— 13,5 g 6528000 14810 0,6 39 275	76.8%— 12.8 5 5700000 800 0,6 28 250	63,0%— 10,5 g 6210000 g 2680 0,6 23 241	31,8%— 5,3 g 3230000 1630 0,4 21 194	84.2%— 5,7 3450000 1733 0,5 23 208	61,0%— 8,5 g 4560000 5466 0,6 26 223	49,8%— 8,3 4550000 6233 0,5 27 213	60,0%— 10,0g 4580000 11300 0,6 42 287
Neutrophiles Stabnuclear Segmentonuclear Eosinophiles Basophiles Lymphocytes Monocytes Tuerck's cells	29 5191 494 0 8588 233 275	7 535 6 0 196 30	48 960 7 0 1614 124 107	40 735 12 0 702 74 67	63 768 25 0 703 95 79	228 2904 21 0 1943 252 118	246 2972 0 0 2432 373 210	226 4673 0 0 5304 605 492

EWG(j)/EWA(h)/EWT(m) GS ACCESSION NR: AT5014966 UR/0000/65/000/000/0091/0097 AUTHOR: Rudakov. N. P. TITLE: Nitrate gel dosimeters for ionizing radiation SOURCE: AN UkrSSR. Institut fiziologii. Biologicheskoye deystviye neytronnogo izlucheniya (Biological effect of neutron radiation). Kiev, Naukova dumka, 1965, 91-97 TOPIC TAGS: gel, dosimeter, radiation dosimetry ABSTRACT: Gel dosimeters are of considerable interest to radiobiologists because of their tissue equivalence. The author has studied the preparation and testing of nitrate gel dosimeters in a mixed gamma-neutron field from a nuclear reactor with radiation dosages from 100 to 1000 rads. The dosimeters were prepared from nitrates of sodium, potassium and ammonium in distilled water and either gelatin or agar agar plus glucose and alkali and were able to measure combined gamma-neutron radiation only (not either one separately). The same gel preparations were used to prepare phantoms for study of spatial distribution of radiation. Nitrate gel dosimetry is based on the conversion of nitrate into nitrite in a water containing mixture. Gel dosimeters have a higher rate of nitrate conversion than liquid dosimeters of the

•			
I. 62659-65			
ACCESSION NR: AT5014966			
same initial nitrate concentr	cation. In this study the amo	ount of nitrate converted	
into nitrite was in direct pr concentration of nitrate and	roportio to the radiation dos	sage. The initial high	
transformation. Tabulations-	are presented of nitrite ion	yields from potassium,	
rodium and ammonium nitrate, preparation of the dosimeters	gels at different radiation of and phantoms is presented.	dose levels. The method of The results of a number of	
experiments with various nitr	rate salts concentrations and	different radiation	
dosages are discussed in deta	il. Orig. art. has: 3 table		
ASSOCIATION: Institut fiziol Physiology, AN UkrSSR)	logii im. A. A. Bogomol'tsa Al	N UkrSSR (Institute of	
SUBMITTED: 22Feb65	ENCL: OO	SUB CODE: LS, NP	
NO REF SOV: 005	OTHER: 007		
0000			
Card 2/2	त्रा च्याप्त क्षा प्राप्त का विकास के निष्णां के विकास के किए किया है जिसके हैं जिसके हैं जिसके हैं जिसके हैं जिसके के प्राप्त के किया किया किया किया है जिसके किया है जिसके किया है जिसके हैं जिसके हैं जिसके हैं जिसके हैं	SERVED AND SERVED S	四年/2011 1

RUDAKOV, N.Ye. (Per'm)

Protective ejection device of a new design. Vod. i san. tekh.
no. 4:38-35 Ap '61.
(Boilers—Safety appliances)

(Boilers—Safety appliances)

CIA-RDP86-00513R001445910012-4 "APPROVED FOR RELEASE: 06/20/2000

ચુ–3

RUDGKON, C.

USSR/Plant Disease. Diseases of Cultivated Plants

Abs Jour : Zhur-Biol., No 8, 1958, 34968

: Rudakov 0. Author

: Grey Rot of Hemp and its Control (Seraya gnil' : Not given Inst Title

kenafa i mery bor'by s ney).

Orig Pub : S. kh. Kirgizii, 1956, No 12, 17-21

Abstract : The symptoms of the disease, its physiological

effect on the plant, the experiments in which the arrest of growth and the small accumulation of fiber in the sick plants are described. The greatest effectiveness in the control of the disease is achieved by the application of tetramethylthiuran disulfide. The spraying is conducted with a 5%

suspension at an expenditure of 250 liters per hectare. Tht norm of expenditure of the preparation

when used as a dust is 10kg/hectare.

Card 1/1

CIA-RDP86-00513R001445910012-4" APPROVED FOR RELEASE: 06/20/2000

USSR/Plant Diseases - Diseases of Cultivated Plants.

Abs Jour

: Ref Zhur - Biol., No 8, 1958, 34968

Author

: Rudakov, 0.

Inst

: Gray Putrefaction of the Gambo Hemp and Means to Fight It.

Title

Orig Pub : S. kh. Kirgisii, 1956, No 12, 17-21.

Abstract

: Described are the symptoms of the disease, physiological effects on the plants, and experiments showing the decrease of growth and insufficient filament accumulation in the diseased plants. Optimal effects in the fight against the disease are obtained by using tetramethylthiuranatesulfide. Sprinkling is done with a 5% suspension, calculating 250 liters per hectare, or 2.5% for 500 liter per hectare. Amounts of the preparation to be used

in dusting: 10 kg per hectare. -- Glushenkova

Card 1/1

KYDYNOV, M., nauchnyy sotrudnik; BATYRCHAYEV, I.; LOPINA-SHENDRIK, M.D.;

KALBAYEV, A.; IMANAKUNOV, B.; SULAYMANKULOV, K., kand.khim.nauk;

DUYSHENALIYEVA, N.; AKBAYEV, A.; KAZIYEV, K.; GOLOVIN, F.I.;

BAKASOVA, Z.; KOVALENOK, Z.P.; SHELUKHINA, N.P.; BUGUBAYEV, A.B.,

starshiy prepodavatel'; BAYBULATOV, E.B., mladshiy nauchnyy

sotrudnik; FILIPPOV, N.A., mladshiy nauchnyy sotrudnik; MAMBETA
KUNOV, T., aspirant; IMANKULOV, A., aspirant; TURMAMBETOV, S.,

mladshiy nauchnyy sotrudnik; MUKHAMEDZIYEV, M.M., nauchnyy sotrudnik;

KONURBAYEV, A.O.; PAK, L.V.; HUDAKOV, O.L.; TOKTOSUNOV, A.;

KULAKOVA, R.I.; ASHIRAKHMANOV, Sh., aspirant; ALYSHBAYEV, B.;

SULTANALIYEV, A.; AKHMETOV, K.; POLONOVA, A.P.; NIKITINSKIY, YU.I.;

SHAMBETOV, S.Sh.; DZHUMBAYEV, B.O., nauchnyy sotrudnik; DHUZHININ,

I.G., red.; ANOKHINA, M.G., tekhn.red.

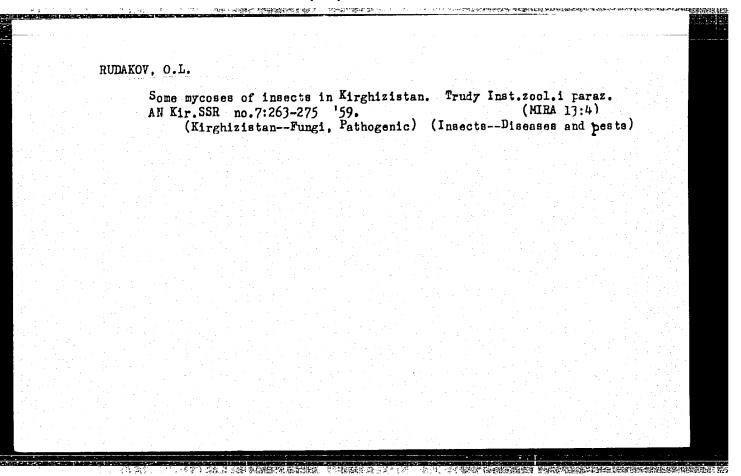
[Papers by junior scientists of the Academy of Sciences of the Kirghiz S.S.R.] Trudy molodykh nauchnykh rabotnikov AN Kirgizskoi SSR. Frunze, 1958. 411 p.

(Continued on next card)

KYDYNOV, M.---(continued) Card 2.

1. Akademiya nauk Kirgizskoy SSR, Frunze. 2. Institut khimii AN
Kirg.SSR (for Kydynov). 3. Kirgizskiy gosudarstvennyy universitet
(for Bugubayev). 4. Institut geologii AN Kirg.SSR (for Baybulatov).
5. Institut vodnogo khozyaystva i energetiki AN Kirg.SSR (for
Filippev). 6. Otdel fiziki i matematiki AN Kirg.SSR (for Mambetakunov,
Imankulev). 7. Institut zoologii i parazitologii AN Kirg.SSR (for
Turmambetov). 8. Kirgizskiy meditsinskiy institut (for Mukhamedziyev).
9. Otdel pochvovedeniya AN Kirg.SSR (Ashirakhmanov). 10. Institut
botaniki AN Kirg.SSR (for Alyshbayev, Sultanaliyev, Akhmetov, Polonova,
Nikitinskiy). 11. Institut istorii AN Kirg.SSR (for Dzhumbayev).

(Science--Collections)



COUNTRY : WISE CHIBOORY : NEW COSFASES. Discusse of Cultivated Flants. Runakor, O. T. 1. AHOR : Acad or Sch heen Sirgiz SSR LiST. : Parasition in Paculactive Pungi. TITLE Self. Pop.: Tzv. AF KirgSSR, 3957, vyp. IV, 229-240 ABSTRACT: It has been shown by investigation of the parasitism of Botrytia cineres on gambo hemp that the interrolations between this so-called facultative parasite and the nost plant not limited to the intoxication of the cells and the fungue's utilization of them as notrient. The evolution of the development of parasitism in the Congas have produced the condition that the funges, in overcoming the resistance of the host plant, utilizes the 1/2

RUDAKOV, O.L.; DOMASHOVA, A.A., otv. red.; LEVITUS, B.I., red. izd-va;
ANOKHINA, M.G., tekhn. red.

[A fungus parasite of the dodder, its cultivation and use] Gribnoi parazit poviliki, ego vyrashchivanie i primenenie. Frunze,
izd-vo AN Kirgizskoi SSR, 1961. 65 p. (MIRA 14:6)
(Dodder-Diseases and pests) (Fungi, Phytopathogenic)

RUDAKEY, C.L.

USSP/General and Special Zoology. Insects. Injurious In- P sects and Ticks. Pests of Fruit and Berry Crops

Abs Jour: Ref Zhur - Biol., No 11, 1958, No 49649

Author : Rudakov O.L.

Inst : Institute of Zoology and Parasitology, as Kirgiz

BSA.

Title : Fungi Which Develop in the Thoraces of the Apple

Troc Moth

Orig Rub: Tr. In-ta zool. i parazitol. AN KirgSSR, 1956,

vyp. 5, 175-180

Abstract: This is a description of funci found in the thoraces, which were collected in the early spring of 1955-1956 in the cardens of the valley of the River Chu (Kirgizia): Tarichium sp. - a parasite of the larvae; Monilia lipolytica and Spore-

trichum sp. - apparently, parasites of larvae; the

part played by Pirella malinella, Zygosaccharony-

Card : 1/2

59

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445910012-4"

RUDAKOV, O.L.; POSPELOV, A.G., red.; ANOKHINA, M.G., tekhn.red.

[Biology and conditions favoring parasitism in fungi of the genus Botrytis] Biologiia i usloviia parazitizma gribov roda botritis. Frunze, Akad.nauk Kirgizskoi SSR, 1959. 188 p.

(MIRA 12:11)

(Fungi, Phytopathogenic)

nel position

RUDAKOV					
	Evolutionary	prerequisites of the	formation of the	group of imperfect	-
	fungi. Lzv.	AN Kir. SSR. Ser. bi	.01. nauk 2 no.1.4	1-50 '60. (MIRA 14:6)	
		(DEUTEROMYCETES)	(EVOLUTION)		

Alternaia infection in dodder. Izv. AN Kir. SSR. Ser. biol. nauk
2 no.7:51-55 '60.

(DODDER_DISEASES AND PESTS)
(FUNGI, PHYTOPATHOGENIC)

(Fungi, Phytopathogenic)	Q.L. Parasitism of	facultative fungi. Izv. AN Kir.SSR	no.4:229-240 (MLRA 10:7)
	'57.	(Fungi, Phytopathogenic)	

Fungi developing in caterpillar cases of the apple moth. Trudy Inst. zool.i paraz.AN Kir.SSR no.5:175-180 '56. (MIRA 10:5) (Chu ValleyFungi) (AppleDisease and pests) (Insects, Injurious and beneficialBiological control)	RUDAAOV, O.L				
Fungi developing in caterpillar cases of the apple moth. Truny inst. zool.i paraz.AN Kir.SSR no.5:175-180 '56. (MIRA 10:5) (Chu Valley-Fungi) (Apple-Disease and pests)	n R	RUDAKOV, O.L.			
	ing and a security	Fungi de zool.i	paraz.AN Kir.SSR no.5:1 Chu VallevFungi) (A	175-180 '56. pple-Disease and pests	(MLRA 10:5)

Mycosis in ants; preliminary report. Sbor.ent.rab. no.1:128-130 (MIRA 16:2) 162. (Kirghizistan—Ants—Diaeases) (Mycosis)			
Mycosis in ants; preliminary report. Sbor.ent.rab. no.1:128-130 (MIRA 1612)	RUDAK		
		Mycosis in ants; preliminary report. Sbor.ent.rab. no.1:128-130 (MIRA 16:2)	
			-

RUDAKOV, O. L., kand. biolog. nauk Biological method for controlling dodder. Zashch. rast. ot vred. i bol. 6 no.6:23-24 Je '61. (MIRA 16:4)

i bol. 6 no.6:23-24 Je '61.

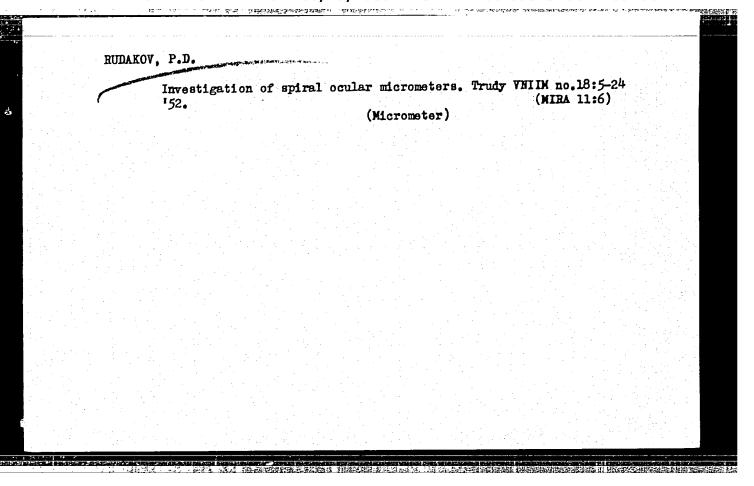
(Dodder-Biological control)
(Altenaria)

RUDAKOV, P., arkhitekter

Apartment-type old-age homes, Zhil, stroi. no.2:27-31 '59. (MIRA 12:6)

(Old-age homes)

		. P., in	izhener.									
	المناوية المراب المناجعة ومناجعة	Aid to Standar	lower-ech rtizateiie	nelon em	ployees i l Ja-F '5	n the t	asks of		rdizatio (MLRA ' lardizat	7:2)		
								(D CRIIC	laiuizav.	LUII)		
								-1			100	
	in the sign of											27.1
							- E - 1 - 1					
** *				10.1								
				*								
		3 3										
							1.0					
					'							
												12.00
				1.1								
							٠.					
												9.50
	1.	100					100					11 -
					4.			1				
												** -
												-
	, to the first											1 .
and the second of the second								and the second second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			



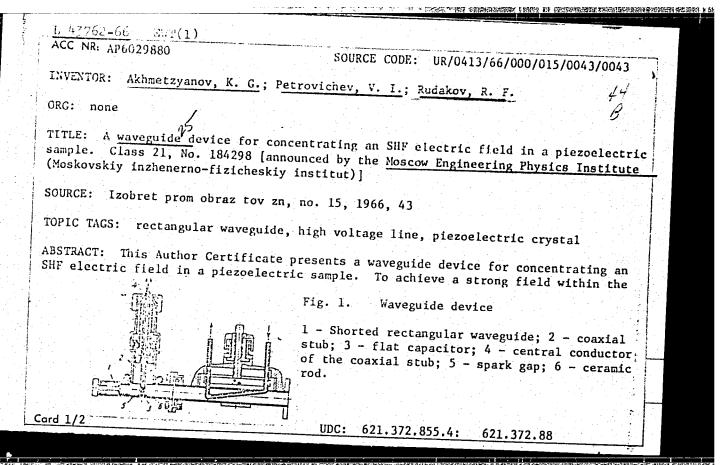
RUDAKOV, P.G.,	arkhitektor			
	nt-house type old-age h	omes. Zhil.dom no.	1:83-99460. (MTRA 17:1)	
	(Old-age ho	omes)	(HIM 14,1)	

Nutrition of corn under irrigation. Zemledelie 26 no.7:80 Jl '64. (MIRA 18:7) 1. Donskoy zonal'nyy nauchno-issledovatel'skiy institut sel'skogo	
hozyaystva.	
사실 사진 시장님들 사람들 학교를 하고 있다. 그는 그 그 그 그 사이를 가는 것이 없는 사람들이 하고 그런	
《沙罗·沙奇》 根据 美国产展发现 医二氯酸氢化二十二烷 医盐酸亚酚二甲酸 医大力管 化自动电流 克克克 人名英	
그는 눈을 내려왔다는 이 생활하다는 그가 하는 것이 되는 것이 되었다는 눈을 하는 것이 되는 것 같다.	
그렇게 되었습니 한 다른 동생님들 어떤 사람들이 되었다. 그 가는 사람들은 그 사람들이 되었다. 그 사람들은 사람들이 되었다.	J.
그는 사람들이 하지 않았다. 사람들이 가지 하는 사람들이 되는 것이 되는 것이 되는 것이 없었다.	
그렇는 이상 병에 한 시간 없었다. 어른 하는 그 그리고 이상, 경인 다른 단하가 하는 그리고 받아 있다. 경	
보이다는 사람은 보고 보이다면서 회사 되어 없는데 가는데 가는 문문에 가지 않는 사람들이 되는 것 같아. 나는 모든 것	1 (1) 1 (1)
그들은 부분님, 항상한 발전하다는 것이 그들을 보여 생각하는 한 전환 보다님 사람들이 되었다고 있었다.	
나이들의 사람들의 물 보고하는 경기 이번 경우는 활동을 하는 데 살아 본부가 되고만 하는 사람들이 되었다.	
그는 사람들은 선생님들이 하면 보고 있다면 그는 그 사람들은 경우를 보고 있다면 그들이 가는 그는 사람들이 되었다. 너무	tiri,
이 그 가능하고 그리는 남자가 있는데 말하게 말하고 있다. 한 번 전 생님들이 하고 있다는 남다가 하다.	
이 목가 이번 당신을 하면 중에게 된 눈님님들에게 하는 것이 하는 목록 목록 되는 것이 되는 사람이 다른 한민이들은 기관에	14
그는 그리고 있는 아무리 경기를 하는 눈에 있었다. 어린 아들 때문에 그렇게 있는 것이다. 그는 사람이	
그는 하다 되는 그런 말이 되었다. 그는 그 사람들은 그는 그 그 그 그 그 그 그 그를 되었다.	
그는 눈문원생님의 목적한 환자 극장으로 한 사람은 하는 말리 눈물부탁 등을 하는 사람들이 작용된 하다	
	- 7
	134

RUDAKOV, P.P.; GERSHANOV, S.V.; BARABANOV, N.V., red.

[Advanced practices of the Don combine operators] Peredovoi opyt kombainerov Dona. Rosto —na-Donu, Rostovskoe obl. izdvo, 1951. 38 p. (MIRA 16:8)

(Don Valley—Harvesting)



																			. `
						-		•	5									<u>۔ ۔ ۔ </u>	
		62-5																·	
AC	c N	R: A	P6029	880												1_2	ר שמו	re-	
					_	. 1	\ con	necte	d to	the	broa	d si	de o	fai	recta	Manta	ouide	2:	
sa	mple,	a coa	xial	stub (oken c	see F	ig. I	, com	that	for	ns a	spa	rk g	ap w	15011	a the	mic I	od.	Á	
gu	ide	, has	a br	oken c	enter	tor c	anduc	tor a	re j	ine	d tog	ethe	r Wl	tn a	the c	enter	con	iucto	
															the ([[YI]	
pi	iezo	elect	ric s	sample side of	is pr	acea waveo	mide.	0r	g. a	rt.	has:	1 1	1gur	е.				Ù	ļ
	~ A F	he Di	roau s) Luc															
1			·	SUBM	DATE.	151	far65	/ AT	D PRE	SS:	5069								1
S	UB C	ODE:	. 097	Subm	DWID.										45.1	1.15			
						- 5													
1		1																	
							•									1			
										. :									
																		. 1954) 	
						100							•				100		
. .																			.
												Ť							
						1,21,2						•							. [
																		s <u> </u>	
		400	1																
				blg															

KOSONOGOV, L.F. (Voronezh, ul. Pravaya Sukonovka, d.12, kv.6); RUDAKOV, S.A.

Fixation of the anesthesia apparatus to the operating table for the centralized feeding of oxygen into the operating room. Grud. khir. 2 no.4:125-126 J1-Ag '60. (MIRA 15:6)

1. Iz kafedry gospital noy khirurgii (zav. - prof. V.F. Radushkevich) Voronezhskogo mediteleskogo instituta. (ANESTHESIOLOGY)

RUDAKOV, S. G.

Ancient volcanism in the Soviet Carpathians. Dokl. AN SSSR 155 no. 2:340-342 Mr '64. (MIRA 17:5)

1. Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova. Predstavleno akademikom V. S. Sobolevym.

307-45-4-3-11/13

AUTHORS: Lyamshev, L. M. and Rudakov, S. N.

TITLE: An Experimental Study of Non-Specular Reflection of Sound by Finite Thin Rods in Water (Eksperimental'noye issledovaniye nezerkal'nogo otrazheniya zvuka tonkimi ogranichennymi sterzhnyami v vode)

PERIODICAL: Akusticheskiy Zhurnal, 1958, Vol 4, Nr 3, pp 283-285 (USSR)

ABSTRACT: Results of an experimental study of non-specular reflection of sound by thin finite rods in water are reported. The rods were made of aluminium steel and brass. A comparison is made between the experimental data and the theoretical predictions given in Ref.l. It is shown that non-specular reflection of sound by such rods is due to longitudinal and bending vibrations of rods, and the experimentally observed intensity distributions are satisfactorily described by the theory of Ref.l. There are 4

Card 1/2

ones era empresaria monarcirira emparamente en esculu

SOV-46-4-3-11/18

An Experimental Study of Non-Specular Reflection of Sound by Finite Thin Rods in Water

graphs and 1 Soviet reference.

ASSOCIATION: Akusticheskiy institut AN SSSR, Moskva (Acoustics. Institute of the Soviet Academy of Sciences, Moscow)

SUBMITTED: March 26, 1953.

1. Sound--Reflection 2. Water--Acoustic properties 3. Rods--Acoustic properties

Card 2/2

CIA-RDP86-00513R001445910012-4 "APPROVED FOR RELEASE: 06/20/2000

Category : USSR/Acoustics - Sound vibrations and waves

J-2

Abs Jour: Ref Zhur - Fizika, No 1, 1957, No 2103

: Lyamshev. L.M., Rudakov, S.N. Author

: Acoustics Inst., Acad of Sciences USSR Inst

Title. : Reflection of Sound by Thick Bounded Plates in Liquid

· 图 44 (1905) - 銀版 配應可能因的整理 图影 图影的呢?如此

Orig Pub: Akust. Zh., 1956, 2, No 2, 228-230

Abstract : Report on an investigation of the reflection of sound from thick bounded brass, steel and aluminum plates in water, in a direction opposite to that

of the incident wave. Non-mirrorlike reflections were observed in directions that do not agree with those of previously-known reflections. By "non-mirrorlike reflections" are meant strong anomalous sound scattering in a direction opposite that of the incident waves (cf, for example, Ref. Zhur. Fiz.

1956, 26537, for details).

It was established that the non-mirrorlike reflection of sound is observed every time that the phase velocity of the incident sound wave in the liquid along the plate becomes equal to the velocity of one of the normal waves in

the plate (in the elastic layer).

: 1/1 Card

CIA-RDP86-00513R001445910012-4"

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001445910012-4 "APPROVED FOR RELEASE: 06/20/2000

RUDAKOV, S.W.

USSR / PHYSICS SUBJECT

CARD 1 / 2

PA - 1477

AUTHOR

LJAMSEV, L.M., RUDAKOV, S.N.

TITLE

The Reflection of Sound by a Thin Rod in Water. Dokl. Akad. Nauk, 110, fasc. 1, 48-51 (1956)

PERIODICAL

Issued: 11 / 1956 reviewed: 11 / 1956

In the case of some angles of incidence a strong reflection in the opposite direction of incidence of the wave is observed ("non-mirrorlike reflection"). The assumption that this reflection is caused by diffraction- and longitudinal

waves in the rod was confirmed by experiments. The device used for the examination of this reflection consisted of a trough with sound-absorbing walls which was filled with water, a generator for ultrasonic impulses, a quartz vibrator, a reception amplifier, and an impulse oscilloscope. The duration of impulse amounted to 30 μ sec and the repetition frequency of the impulses was 50 c. The rods had a thickness of less than 1 mm and were 30 mm long, the distance between them and the vibrator was \sim 150 cm. The angle of rotation was measured with an accuracy of 0,2° and the relative error when measuring the amplitude of the reflected wave does not exceed 10%.

The polar diagrams of the reflection of some copper-, aluminium-, and steel rods are shown in diagrams. The angles of non-mirrorlike reflection corresponding to rods of different materials are given. In the case of brass rods of 0,39 mm thickness such a reflection does not occur. Next, the problem of the scattering of a plane sound wave by a thin red sub-

Dokl. Akad. Nauk, 110. fasc. 1, 48-51 (1956) CARD 2 / 2

PA - 1477

merged in a liquid is investigated in consideration of the shearing oscillations and longitudinal oscillations of the rod. The corresponding differential equation is given. Non-mirrorlike reflection occurs at the critical angle of $\sin \sqrt[3]{2} = c/c_x$. Non-mirrorlike reflection by infinitely long rods is due to the effect produced by free longitudinal waves (or shearing waves) which are reflected by the boundaries of the rod. If the above mentioned condition is satisfied, spatial resonance occurs if the amplitude of the longitudinal or shearing oscillations excited by the exterior field of sound increases considerably. In the case of an infinitely long rod and spatial resonance the amplitude of the scattered field can be considerably higher than the scattering amplitude in the case of a vertical incidence of a plane sound wave.

Losses in the interior of the material of the rod exercise an important influence on the scattering of sound in the case of sufficiently thin rods. The sharp decrease of the amplitude of non-mirrorlike reflection due to longitudinal waves is, in the case of steel rods, connected with the nonstationarity of the oscillations of the rod.

INSTITUTION: Institute for Acoustics of the Academy of Science in the USSR.

LYAMSHEV, L.M.; RUDAKOV, S.N.

Sound emission from plates and shells in water. Akust. zhur.
7 no.3:380 83 '61. (MIRA 14:9)

1. Akusticheskiy institut AN SSSR, Moskva.
(Elastic plates and shells) (Underwater acoustics)

Late "refutations" of artificial insemination. Zhivotnovodstvo 20 no.4:88 Ap '58. (MIRA 11:3) 1. Starshiy zootekhnik Donetskoy goskonyushni. (Artificial insemination)	RUDAKOV	, S.T.	
1. Starshiy zootekhnik Donetskoy goskonyushni. (Artificial insemination)		Late "refutations" of artificial insemination. no.4:88 Ap 158.	Zhivotnovodstvo 20 (MIRA 11:3)
		1. Starshiy zootekhnik Donetskoy goskonyushni. (Artificial insemination)	

ROCHEV, N.N., glav. red.; VAVILOV, P.P., red.; VERTEL', E.I., red.; GORELIK,
A.I., red.; GUZMAN, I.S., red.; KUZNETSOV, G.N., red.; MEDVEDEV, G.A.,
red.; MODYANOV, Ya.V., red.; PANTELEYEVA, A.A., red.; POINAKOV, V.V.,
red.; POFOV, S.A., red.; FOPOVA, S.M., red.; RAYEVSKIY, S.S., red.; RUDAKOV, S.V., red.; SYUTKIN, A.F., red.; USOV, A.I., red.; USTINOVA, I.K.,
red.; SHKIL', P.T., red.; CHEBYKIN, N.P., red.; MEZENTSEV, S.A., red.;
MOROZOV, V.S., red.; OPLESNIN, I.I., tekhn. red.

[Forty years of the Komi A.S.S.R., 1921-1961; studies on the cultural and economic development of the Komi Republic]40 let Komi ASSR, 1921-1961; ocherki o razvitii ekonomiki i kul'tury Komi Respubliki. Syktyvkar, Komi knizhnoe izd-vo, 1961. 154 p. (MIRA 14:11) (Komi A.S.S.R.—Economic conditions) (Komi A.S.S.R.—Culture)

异种结形山产药

RUDAKOV, V.	is a second of the second of t			
	weather chronicles	. Vokrug sveta i	no.10:40-41 0 '54. (MLRA 7:10)	
1. Naci	hal'nik Yaltinskoy (Tree rings)	gidrometeosluzh		
		Manual Property Services		

81401

s/020/60/132/06/23/068 B014/B007

3.1800 AUTHORS:

Gringauz, K. I., Rudakov, V. A.

TITLE:

Measurement of Electron Concentration in the Ionosphere According to the Rotation of the Polarization Plane of Radio Waves Emitted by Rockets

PERIODICAL:

Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 6,

pp. 1311 - 1313

TEXT: In the present paper the results of measurements are given, which were obtained by means of a geophysical rocket of the AS USSR on August 27, 1958 reaching an altitude of more than 450 km. The rocket was stabilized in the three directions of rotation. Formula (1) describes the rotation of the polarization plane of the radio wave during its propagation in the terrestrial magnetic field. Formula (2) is developed, which permits determination of the electron concentration in the ionosphere in the case of a vertical, free, completely stabilized flight of the rocket. Details of the antenna construction are discussed; 24, 48, and 144 Mc/s were transmitted. Fig. 1 shows escillograms of the signal levels of the

Card 1/2

CIA-RDP86-00513R001445910012-4"

APPROVED FOR RELEASE: 06/20/2000

81401

Measurement of Electron Concentration in the S/020/60/132/06/23/068 Ionosphere According to the Rotation of the B014/B007 Polarization Plane of Radio Waves Emitted by Rockets

three wavelengths as examples. Fig. 2 shows the electron concentration calculated along with the recording of the rotation of the polarization plane of the 48-Mc/s wave from formula (2). The differences between the result obtained here and that of an experiment carried out on February 21, 1958 are discussed. There are 2 figures and 2 Soviet references.

PRESENTED: March 14, 1960, by A. N. Shchukin, Academician

SUBMITTED: March 9, 1960

X

Card 2/2

25985

s/560/61/000/006/003/010 E032/E114

AUTHORS:

9,9100

Gringauz, K.I., Rudakov, V.A., and Kaporskiy, A.V.

TITLE:

Apparatus for rocket measurements of free electron

concentration in the ionosphere

PERIODICAL: Akademiya nauk SSSR. Iskusstvennyye sputniki Zemli. No. 6. Moscow, 1961. pp. 33-47

The present paper gives a brief description of the TEXT: radio apparatus which is being used to study the electron concentration as a function of height in the ionosphere. apparatus is designed so that it can be mounted on a vertically launched geophysical rocket of the Academy of Sciences USSR (K.I. Gringauz. Dokl. AN SSSR V.120, 1234, 1958; Sb. "Iskusstvennyye sputniki Zemli" No.1, izd-vo AN SSSR, 1958, p.62, Ref.1: K.I. Gringauz, V.A. Rudakov, Dokl. AN SSSR, V.132, 1311, 1960, Ref. 2). The apparatus incorporates radio transmitters and transmitting antennas set up on the rocket, receiving antennas on the earth's surface, receiver-phasometric devices, and recording and auxiliary apparatus. The method of measurement, the choice of the frequencies and the results which have been obtained are reported Card 1/8

Apparatus for rocket measurements

25985 S/560/61/000/006/003/010 E032/E114

by the present authors in Ref. 4 (page 48 of the present issue). The experiment consists in the determination of the phase difference between the signal transmitted from the rocket and detected at two different points on the earth's surface. The phase difference occurs because of the dispersion of radio waves in the ionosphere. Between 1954 and 1958 the frequencies employed were $f_1 = 144$ Mc/s and $f_2 = 48$ Mc/s. Since 1958 a further frequency $f_3 = 24$ Mc/s has been used. The phase difference between vibrations of differing frequency is defined as $\Delta \phi = \phi_1 - p\phi_2$, where $f_1 = pf_2$ and p < 1, i.e. the phase difference reduced to the higher frequency. The average electron concentration n_e can then be calculated from:

 $n_e = k \frac{\Delta \Phi}{2\pi \Delta h} \text{ electron-cm}^{-3}$ (1)

where: $\Delta \Phi$ is the phase difference corresponding to an altitude change of Δh (the phase difference is in radians and the altitude change in meters). The coefficient k was 2.25 x 107 for the frequencies $f_{1,2}$ and 0.515 x 107 for $f_{1,3}$. The recorded signals can be used to measure the rotation of the plane of polarization of the received radio waves. With a completely stabilized rocket the Card 2/8

一句記述 医大学医疗 医多种 医神经神经 医多种性神经 医多种性神经 医多种性神经

25985

Apparatus for rocket measurements ... S/560/61/000/006/003/010 E032/E114

radiation of the plane of polarization is due only to the Faraday effect. The electron concentration can then be determined from:

$$n_e = M \frac{\theta}{2\pi H_B \Delta h} e lectron \cdot cm^{-3}$$

 θ is the rotation of the plane of polarization; H_{R} is the vertical component of the geomagnetic field in oersted; Ah is the path (in km) traversed by the rocket while the plane of polarization is rotated through θ ; M is a constant whose value for $f_{1,2,3}$ was 56×10^6 , 6.2×10^6 and 1.55×10^6 respectively. In all these measurements it is necessary to know the coordinates of the rocket as functions of time, and hence the recording of the phase and amplitude of the signals must be accompanied by the recording of the time. The apparatus employed in these measurements was developed during 1954-1958 and the present paper describes its latest form. The transmitters mounted on the rocket produce coherent vibrations on the three frequencies f1, f2 and f3. There is a separate output for each frequency with a symmetric load of 100 ohm. The power at the outputs is 15, 8 and 3 watt respectively. A block diagram of the transmitting system is shown in Fig. 1. Card 3/8

TAP IN WEST SHE ESS 417 SEE SHE 大汉 17

25985
S/560/61/000/006/003/010
Apparatus for rocket measurements ... E032/E114

The coherence of the oscillations is ensured because they are obtained as a result of successive multiplications of the frequency of the common master oscillator. The master oscillator is quartzstabilized and is placed in a thermostat. The HT supplies are fully transistorized. The transmitting antennas are in the form of symmetric linear vibrators set up in the upper part of the rocket. The frequencies f_1 and f_2 are radiated from a common antenna while a separate vibrator is employed for f3. apparatus on the earth's surface is designed to perform the following functions: a) measure the phase difference between f_1 and f_2 , and f_1 and f_3 ; b) measure the amplitude of the highfrequency waves at the inputs of the receivers (a minimum of five microvolts is required); c) record on a 35 mm film the two phase differences, the corresponding amplitudes and suitably scaled time markers. The three frequencies are received by separate antennas. Two photographs are included which show the appearance of the antennas. The receiving apparatus has the form of a three-channel superheterodyne device capable of carrying out the simultaneous detection and measurement of the phase differences. In each channel there is double frequency conversion which is carried out Card 4/8

25895 s/560/61/000/006/003/010 Apparatus for reaset measurements ... E032/E114 with the aid of suitable mixers. The signals at the output of the three channels have the same frequency (84 Mc/s). The working O bandwidth of the three channels f1, f2 and f3 is 40, 25 and 15 kc/s. The signals are recorded on a 35 mm film using two methods. The first method makes use of loop oscillograph MNO -2 (MPO-2) which shows the interference-frequency current and also the currents which depend on the voltages at the input to the receiving device. The speed of the film is 100 mm/sec. Typical records are shown in Fig. 7. The second method of recording the phase difference makes use of Lissajous figures produced on the screen of a cathode ray tube. Further details are given in Ref. 4 (page 48 of the present issue). Acknowledgments are expressed to A.N. Gridin for advice. and assistance. There are 11 figures and 5 Soviet references. SUBMITTED: April 2, 1960 Card 5/8 了大台湾和美国美国(B)(1919年1000年)。 中华中华产品的特别 海温斯 超過過度過過的复数超光器電腦補資 相應過期機能使用過過可能

9,9100

25986 \$/560/61/000/006/004/010 E032/E114

AUTHORS:

Gringauz, K.I., and Rudakov, V.A.

TITLE:

Measurements of the electron concentration in the ionosphere up to 420-470 km, carried out during IGY using radio waves emitted from geophysical rockets of

the Academy of Sciences, USSR

PERIODICAL: Akademiya nauk SSSR. Iskusstvennyye sputniki Zemli.

No. 6. Moscow, 1961. pp. 48-62

The systematic study of the electron concentration in the ionosphere as a function of altitude was begun in the Soviet Union in 1954. The experiments were carried out with the aid of vertically launched geophysical rockets. The results were first reported by K.I. Gringauz (Ref.1; Dokl. AN SSSR, V.120, 1234, 1958; Sb. "Iskusstvennyye sputniki Zemli" No.1 izd-vo AN SSSR, 1958, p.62) and K.I. Gringauz and V.A. Rudakov (Ref.2: Dokl. AN SSSR. V.132, 1311, 1960), and were "reproduced" by H. Friedman (Ref. 3: Proc. IRE, V.47, 272, 1959). The apparatus employed is described by the present authors and A.V. Kaporskiy in Ref. 4 (page 33 of the The present paper is concerned with some problems present issue). Card 1/10

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001445910012-4

25986 \$/560/61/000/006/004/010 E032/E114

Measurements of the electron

which are encountered in dispersion and Faraday effect measurements, as used in the determination of the electron concentration. account is also given of the experimental results obtained in 1958 with three geophysical rockets launched to a height of 450-470 km. These measurements were carried out at different times of day and year and have thus provided information about the electron concentration in the region of the ionosphere which includes the so-called outer ionosphere (above the maximum of the F layers and quite inaccessible by the normal radiosonde methods). All the measurements were carried out above the same geographical point and the same method was used throughout. The velocity of propagation of radio waves in the ionosphere is a function of frequency and to a considerable degree depends on the concentration of free Hence dispersion methods can be used to determine The dispersion can be conveniently measured by the radio electrons ne. interference method due to Mandel'shtam and Papaleksi (Ref. 6: M - L, Gostekhizdat, 1945, "Recent investigations on the dispersion of radio waves along the earth surface"). The method was first used by Papaleksi in 1936 during the solar eclipse. It is designated by the present authors as the "dispersion interferometer method". Card 2/ 10

25986 5/560/61/000/006/004/010 E032/E114

Measurements of the electron

In this method, coherent radio waves with frequencies f_1 and f_2 are emitted from a point A (f_1 = pf_2 where p = m/n >1 and m and n are integers). The radio waves are detected at a point B and the phase difference between them is determined. The phase difference is reduced to the higher frequency, i.e. $\Delta \phi = \phi_1 - p\phi_2$. The phase difference is given by:

 $\Delta \varphi = \frac{2\pi \operatorname{pf}_{2}}{c} \left(\int_{0}^{L} n_{1}(\ell) d\ell - \int_{0}^{L} n_{2}(\ell) d\ell \right)$ (1)

where L is the distance between A and B, and the integration is carried out along the path from the transmitting to the receiving antenna; $n_1(\ell)$ and $n_2(\ell)$ are the refractive indices for f_1 and f_2 respectively. For sufficiently short radio waves it may be assumed that:

 $n(f) \approx 1 - \frac{e^2}{2\pi mf^2} n_e$ (2)

where n_e is the electron concentration and f is the frequency. Substituting Eq.(2) into Eq.(3) it is found that:

Card 3/10

25986 s/560/61/000/006/004/010

E032/E114

Measurements of the electron

$$\Delta \varphi = \frac{e^2}{\operatorname{cmf}_2} \left(\frac{p^2 - 1}{p} \right) \int_0^L n_e(\ell) d\ell = K \int_0^L n_e(\ell) d\ell$$
 (3)

If it is assumed that n_e and L are functions of time (i.e. the point A is moving relatively to B) then during a time Δt point A is displaced through ΔL the change in the phase difference at B is given by:

$$\Delta \Phi = K \left[\int_{L}^{L+\Delta L} n_{e}(\ell) d\ell + \left(\int_{0}^{L} \frac{\partial}{\partial t} n_{e}(\ell) d\ell \right) \Delta t \right] = \Delta \Phi_{NoK} + \Delta \Phi_{NHT}$$
(4)

The recorded increase in the phase difference consists of two components, namely, one, $\Delta\phi_{\pi\circ\chi}$, due to the increase in the path L, which depends on the electron concentration in this region, and another, $\Delta\phi_{HHT}$ which depends on the total number of electrons in the column between the observer and the beginning of the section Δ L. When the point A is fixed, as for example in the case of Card 4/10

Measurements of the electron

25986 S/560/61/000/006/004/010 E032/E114

the 1936 measurements during the solar eclipse, the first component is absent and the measured phase difference yields the average rate of change in the second component. If the point A is a rocket launched in the vertical direction, then a similar situation occurs at the apex of the trajectory where the vertical velocity changes at the apex of the trajectory where the vertical velocity changes sign and passes through zero. This method therefore yields the integral electron concentration. In addition to the dispersion integral electron concentration can also be measured from the effects the electron concentration of the radio waves emitted rotation of the plane of polarization of the radio waves emitted from a vertically launched rocket. The rotation angle θ can be evaluated from:

$$\theta = \frac{e^3}{2\pi c^2 m^2} \frac{1}{f^2} \int_{\Gamma}^{L+\Delta L} H_{L} n_{e}(\ell) d\ell$$
 (6)

where: H_L is the vertical component of the magnetic field and f is the frequency which is sufficiently high for the absorption in the ionosphere to be small and the refractive indices of the two components to approach unity (A.N. Shchukin. "Physical Principles Card 5/10

Measurements of the electron ..

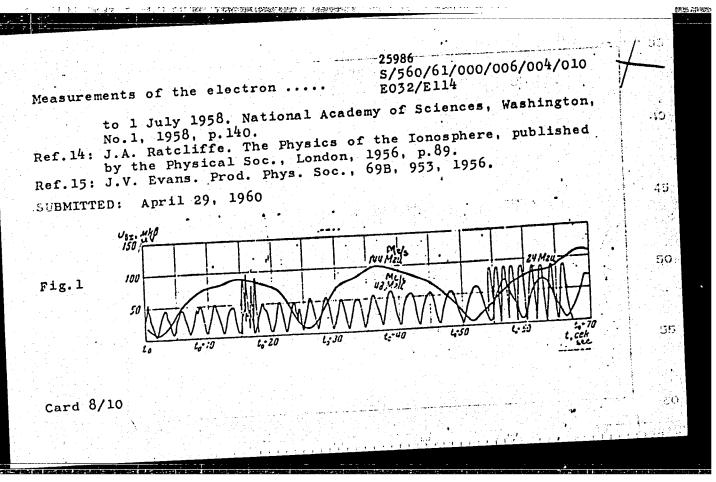
25986 \$/560/61/000/006/004/010 E032/E114

of the Dispersion of Radiowaves in the Ionosphere". M., Svyaz'izdat, 1940). Fig.1 shows a part of the record obtained for the three frequencies $f_3 = 24$, $f_2 = 48$ and $f_1 = 144$ Mc/s. figure shows a plot of Uin (microvolts) at the inputs of the receiver connected to antennas with the same polarization. $\theta \sim 1/f^2$ relationship is said to be clear from this figure so that the recorded periodic changes must have been due to the Faraday effect. It follows from Eq.(6) that if $\theta=\pi$ then assuming H_L to be known and replacing ΔL by Δh the average electron

concentration can be calculated from:
$$n_{e} = \frac{2\pi^{2}c^{2}m^{2}}{e^{3}} \frac{f^{2}}{\Delta h} \frac{1}{H_{B}}$$
(7)

The quantity Δh is determined from the times t_1 and t_2 correspond on the record to two neighbouring polarization minima, since the coordinates of the rocket are known at each instant of time. The interval of altitudes over which the average of $n_{\mathbf{e}}$ taken can be reduced by using two receiving devices with independent antennas having mutually perpendicular polarization. Card 6/10

5/560/61/000/006/004/010 Measurements of the electron E032/E114 Fig. 3 shows the electron concentration as a function of height (km). The curves were obtained by the dispersion interferometer method. 10 Curve 1 was obtained on February 21, 1958 at 11 hr 40 min; Curve 2 on August 27, 1958 at 8 hr 06 min; Curve 3 on October 31, 1958 at 15 hr 54 min. Fig. 4 shows a similar curve obtained on : August 27, 1958 with the aid of the Faraday effect. The points . 1, 2, 3 and 4 have the following meanings: 1 - identical data at two points of reception; 2 - data at a third point; 3 - identical data at three points; 4 - curve obtained by the dispersion method (at the same time). It is concluded that all the results fully confirm the fact that the ionosphere has a single main maximum in. the electron concentrations which occurs at about 300 km, and that the belief that there is a sharply defined E layer was due to the inadequate data which have been available so far. Acknowledgments are expressed to S.M. Rytov for assistance and advice. There are 6 figures and 18 references: 12 Soviet and 6 non-Soviet. The four most recent English language references read as follows: Ref.3: H. Friedman, Proc. IRE, V.47, 272, 1959. Ref.10: J.C. Seddon, J.E. Jackson. IGY World date center A. Experimental results of the U.S. Rocket program for the IGY Card 7/10



S/560/61/000/010/016/016 D299/D302

9,9120

AUTHOR:

Rudakov, V. A.

TITLE:

Results of measuring electron concentration in the ionosphere up to 200 km altitude carried out by rockets in 1959 and 1960

SOURCE

Akademiya nauk SSSR. Iskusstvennyye sputniki

Zemli, no. 10. Moscow, 1961, 102-103

In recent years, the altitude dependence ne(h) free-electron concentration in the ionosphere has been studied by rockets launched on behalf of the Academy of Sciences of the USSR. Thereby, a dispersion radiointerferometer was used, operating on frequencies of 144, 48 and 24 megacycles. The operating of the second s electron concentration was determined from the phase difference of the coherent oscillations emitted from the rocket and recorded on earth, whereby the frequency-pairs 144 and 48, and

Card(1/

33318 S/560/61/000/010/016/016 D299/D302

Results of measuring...

144 and 24 megacycles were used. Below, the $n_e(h)$ -distribution is considered, as determined in 1959-1960. The results obtained by rocket measurements are more reliable than those obtained by terrestrial radio-probes and can be used for developing methods of correction for the latter. A figure shows the $n_e(h)$ distribution curves obtained on July 14 and 22, 1959, and on June 15, 1960. All the launchings took place at the same site in the middle zone of the European part of the USSR. The launchings were accompanied by simultaneous radioprobing by ionospheric stations. The ne(h)-distribution obtained from the rocket experiments (including those conducted prior to 1959) lead to the conclusion that the electron concentration increases almost monotonically in the ionosphere (in sunlight) up to 200 km with small maxima at altitudes of 105, 115 and 125 km. An exception is the n_e(h)-distribution obtained with weak sunlight; in this case, the electron concentration is small (of the Card 2/3

33318 S/560/61/000/010/016/016 D299/D302

Results of measuring...

order of $1-2\cdot 10^4$ electron \cdot cm⁻³) and changes little with increasing altitude up to 180-190 km, where it begins to increase considerably. There are 1 figure and 3 Soviet-bloc references.

SUBMITTED:

April 18, 1961

X

Card 3/3

1. 04445-67 EWT(1)/FCC GW

ACC NR: AP6018922

SOURCE CODE: UR/0203/66/006/003/0568/0580

AUTHOR: Gringauz, K. I.; Kravtsov, Yu. A.; Rudakov, V. A.; Rytov, S. M.

3ر

ORG: Radioengineering Institute, AN SSSR (Radiotekhnicheskiy institut AN SSSR)

B

TITLE: Once more about the feasibility of local electron concentration determination by the dispersion method using artificial Earth satellites and about the new ionization maxima in the ionosphere

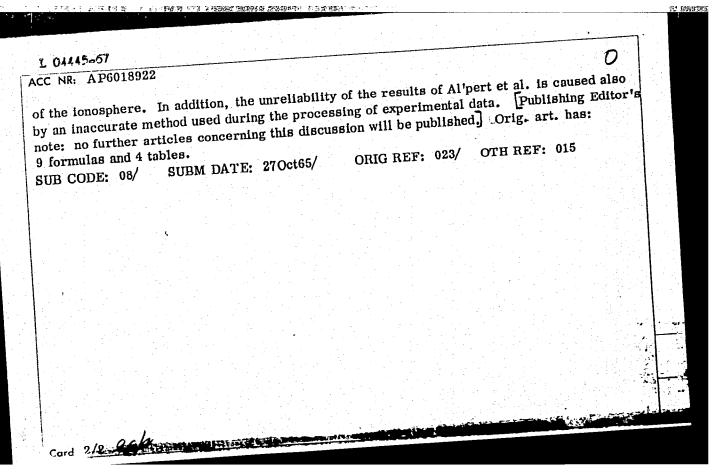
SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 3, 1966, 568-580

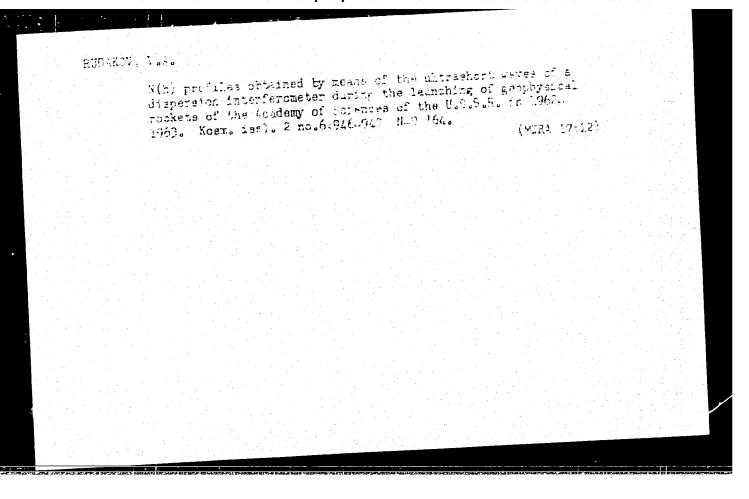
TOPIC TAGS: ionospheric electron density, ionospheric physics, ionospheric disturbance, lonospheric radio wave, satellite data analysis, geophysic rocket

ABSTRACT: This is the continuation of an earlier debate between the present authors and Ya. L. Al'pert et al. (see, e.g., Geomagn. i aeronomiya, 1 1965, 5, No 4, 766) concerning the feasibility of local electron concentration determination by the dispersion method using artificial Earth's satellites. The authors show once more that the electron concentration determination using such a method leads to inaccurate results because of the presence within the ionosphere of horizontal ionization gradients as well as because of the nonstationary character

Card 1/2

UDC: 550.388:629.198.3





L 18394-65 EEC-4/EWG(v)/EWA(h)/EWT(1)/EEC(t)/EEC(m)/FCC/FSS-2 Pe-5/Pi-4/Po-4
Pq-4/Pae-2/Peb AFWL/SSD/ESD(gs) GW/WS
ACCESSION NR: AP5000179 S/0293/64/002/006/0946/0947

AUTHOR: Rudakov, V. A.

TITLE: N(h)-profiles obtained with ultrashort wave dispersion interferometers installed in Academy of Sciences USSR geophysical rockets launched in 1962 and 1963

SOURCE: Kosmicheskiye issledovaniya, v. 2, no. 6, 1964, 946-947

TOPIC TAGS: ionospheric ion density, ion density, N(h) profile, USSR geophysical rocket

ABSTRACT: Studies of free electron density in the ionosphere carried out in 1958, 1962, and 1963, using 144- and 48-Mc ultrashortwave rocket-borne dispersion radiointerferometers (developed under the direction of K, I, Gringauz), showed that the principal ionization maximum during periods of minimum solar activity (1962, 1963) is both much less intense and 50 to 100 km lower than the ionization maximum during a period of maximum solar activity (1958). In addition, the density of electrons above the ionization maximum decreases with height more rapidly during minimum solar activity periods than during maximum

Card 1/3

L 18394-65

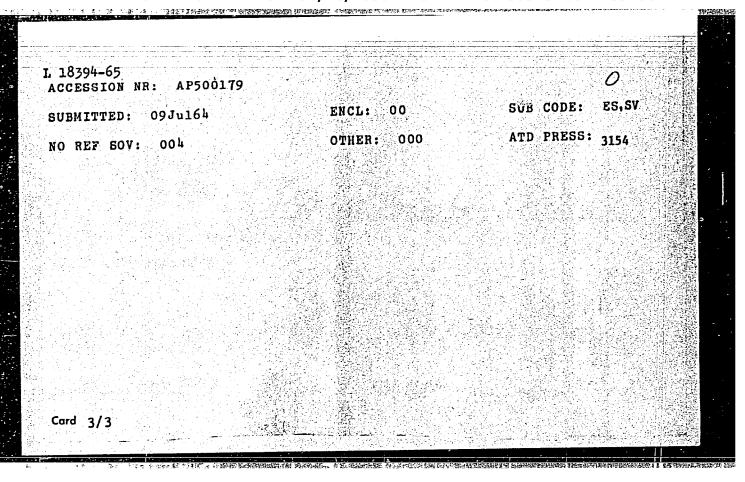
ACCESSION NR: AP5000179

2

solar activity periods. All three sets of observations were stabilized along three rotation axes. The rocket trajectories were almost vertical and their maximum height of ascent was approximately 500 km. The rockets were launched from approximately the same place and at about the same time of year (central European USSR, autumn, daylight hours). The N(h)-profiles obtained in 1962 and 1963 showed that the ionization maxima and their electron densities were about the same in both years (h) = 220-240 km, Nmax = 0.5 x 106 cm⁻³), and that the decrease in magree tron density was about the same with distance above, but dissimilar with distance below the principal maximum during the two years. A comparison of the 1958, 1962, and 1963 N(h)-profiles with data obtained on ion density with ion traps carried by "Kosmos-2" in April 1962 indicates that during the 11-year cycle the density of N in the ionosphere substantially decreases with a decrease in solar activity, and that the drop in N above the principal maximum increases with height. Orig. art. has: 2 figures.

ASSOCIATION: none

Card 2/3



L 2800-66 = EWT(1)/FCC/EWA(h) RB/GS/GW/WS-L

ACCESSION NR: AT5023578

UR/0000/65/000/000/0168/0177

AUTHOR: Gorozhankin, B. N.; Rudakov, V. A.

42

TITLE: Ionospheric investigations using rockets and artificial satellites in 1960-

SOURCE: <u>Vsesoyuznaya konferentsiya po fizike kosmicheskogo prostranstva</u>. Moscow, 1965. Issledovaniya kosmicheskogo prostranstva (Space research); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 168-177

TOPIC TAGS: artificial earth satellite, meteorologic rocket, ionosphere, ion concentration, ionospheric electron density, satellite data analysis

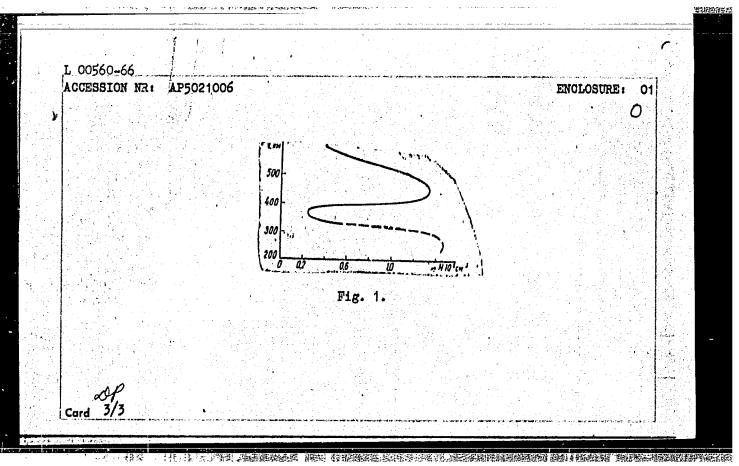
ABSTRACT: In this short survey, the authors study measurements of electron and ion concentration in the ionosphere up to altitudes of approximately 2000 km. Specific data obtained from various experiments are given, and trends are described in the development of methods for making measurements of this type. The various methods for measuring n_c and n_i are divided into two main groups: 1) probe methods, where the sensing element is in direct contact with the ambient atmosphere and 2) radio methods where the information is transmitted over considerable distances. Data

Card 1/2

L 2800-66 ACCESSION NR: AT5023578		0	
obtained in the Soviet Union, pared for these two categories	the United States and vario . Orig. art. has: 7 figur	ous other countries are com- res, 3 tables. [14]	
ASSOCIATION: none			
SUBMITTED: 02Sep65	ENCL: 00	SUB CODE: ES, SY	
NO REF SOV: 010	OTHER: 023	ATD PRESS:4/02	

00560-66 EWT(1)/FCC/EWA(h) GW	
OCESSION NR: AP5021006 UR/0203/65/005/004/0762/0766 550.388.2:621.391.81 44	
UTHORS: Gringauz, K. I.; Kravtsov, Yu. A.; Rudakov, V. A.; Rytov, S. M.	
TTLE: On the possibility of determining local electron concentrations using the ispersion method with the help of artificial satellites and on a new ionization maximum in the ionosphere	
TOWNER Geometrizm i aeronomiya, v. 5, no. 4, 1965, 762-766	
TOPIC TAGS: electron concentration, ionization, artificial satellite, ionosphere, Doppler shift, F layer	
ABSTRACT: In order to determine whether dispersion methods for measuring N_0 in the abstract: In order to determine whether dispersion methods for measuring N_0 in the ionosphere by means of artificial satellites are valid, the various gradient terms of N_0 , and N_0 in the investigated to determine if they are significant in comparison with N_0 . These various gradient terms that appear in the ficant in comparison with N_0 . These various gradient terms that appear in the average of the difference in Doppler shift between frequencies N_0 and N_0 are	
given by	
Card 1/3	ا بالد.

	ıL 00560-66	
	ACCESSION NR: AP5021006	
	A detailed analysis is made to show that the terms $\frac{1}{2}\frac{\partial N}{\partial y}\frac{\partial y}{\partial z}\frac{\partial N}{\partial z}\frac{\partial N}{\partial z}\frac{\partial x}{\partial z}$ are not necessarily small in comparison to $N_{\rm c}z_{\rm c}/\cos\varphi_{\rm c}$. A similar state-	7
	ment, with even more assurance, can be made about the unsteady term $\int_{0}^{\infty} (\partial N/\partial t) ds$.	N.
	To demonstrate this, an altitude versus density curve (see Fig. 1 on the Enclosure) is shown. Here the maximum in N is above the maximum region of the F-layer if one bases the data on the local dispersion method, neglecting the gradient terms (solid curve in Fig. 1). Radio-probe methods, on the other hand, support only the lower curve (dotted curve on Fig. 1). For this reason and because dispersion measurements far from the earth are unreliable, the authors do not agree with the local concentration data reported by previous authors (e.g., Ya. L. Al'pert. Geomagn. i aeronomiya, 1964, 4, No. 3, 479). Orig. art. has: 4 formulas and 2 figures.	
	ASSOCIATION: Radiotekhnicheskiy institut, AN SSSR (Radio Technology Institute, AN SSSR)	
	SUBMITTED: 01Feb65 ENCL: 01 SUB CODE: GP, ES	
	NO REF SOV: 013	
	Card 2/3	
	2、10~2、10~3、10~3、10~3、10~4、10~4、10~4、10~4、10~10~10~10~10~10~10~10~10~10~10~10~10 10~10~10~10~10~10~10~10~10~10~10~10~10~1	



JDALEVICH, G.L.; GRINGAUZ, K.I.; RUDAKOV, V.A.; RYTOV, S.M.

Effect of the ionosphere on the determination of the position of rockets. Radiotekh. i elektron. 8 no.6:942-949 Je '63.

(MIRA 16:7)

(Rockets (Aeronautics)) (Electronics in navigation)

L 10276-63 BDS/EWT(1)/FS(v)/EEC-2/ES(v)/ES(t)-2-AFFTC/AFMDC/APGC/ASD/ESD-3/SSD-Pe-4/Pg-4/P1-4/Pk-4/P1-4/Pc-4/Pg-4-GY/ES/WR/AST ACCESSION NR: AP3000990 S/0109/63/008/006/0942/0949

AUTHOR: Gdalevich, G. L.; Gringauz, K. I.; Rudakov, V. A.; Ry*tov, S. M.

TITLE: Effect of the ionosphere on the position finding of space rockets Report of the Thirteenth International Astronautical Congress held in Varna September 1962

SOURCE: Radiotekhnika i elektronika, v. 8, no. 6, 1963, 942-949

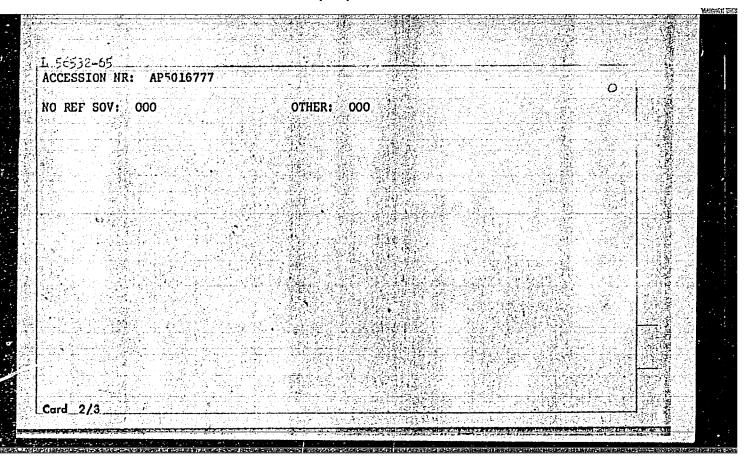
TOPIC TAGS: space rocket, effect of ionosphere

ABSTRACT: Some ideas are set forth about calculating the errors caused by the ionosphere in determining coordinates and speed of space rockets by radio means. Assuming a geometrical-optics approximation and measurements at frequencies over 5 x 10 sup 7 cps, formulas are derived for the ionosphere-caused errors in determining range, elevation, and speed of rockets. The rocket is assumed to be in outer space, and errors due to the troposphere and interplanetary plasma are neglected. Approximation of the real altitude distribution of electron concentrations is discussed for purposes of evaluating the above errors. Western and Soviet data on electron concentrations are compared. Orig. art. has: 9 formulas and 6 figures.

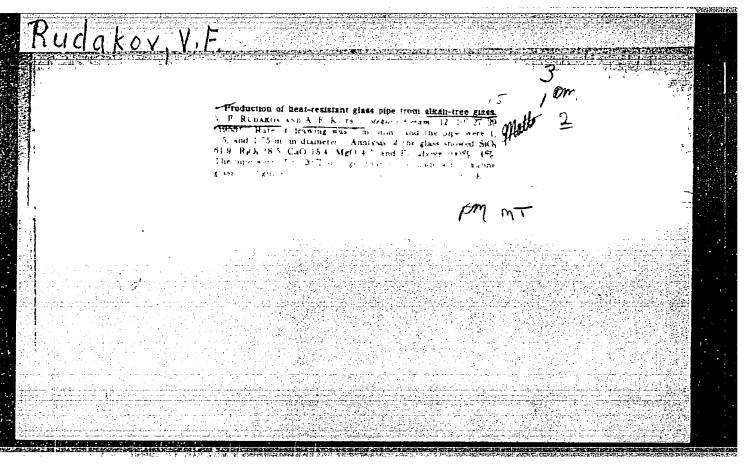
Card 1/2/

	ng na agament ang agameng series sa sa singgreen sa		4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	A(d)/EWP(v)/EIR/EWP(t)/EWP(k)/EWP(h)/EWP(b)/	
ACCESSION NR: AP5016777		0286/65/000/010/0104/0104 .984.8—233.27	
		21.757 LQ	
AUTHOR: Temerev, N. A.; Rudal			
TITLE: A device for automati	cally stamping pracision b	all-bearings. Class 47,	
SOURCE: Byulleten' izobreten	iy i tovarnykh znakov, no.	10, 1965, 104	
TOPIC TAGS: ball bearing, protool industry	ecision stamping/pressing	, automatic control, machine	
ABSTRACT: This Author's Cert. ing precision ball-bearings wing process is automated and which fix the position of the	ith a predetermined force the stamping force is cont	by using weights. The stamp rolled by using microswitche)- S ->
ASSOCIATION: none			
SUBMITTED: 03Dec62	ENCL: 01	SUB CODE: IE	
Card 1/3	V V		

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445910012-4



RUDAKO	V, V F.				
	Pelar 12: Well's Pipision 100: 100: alka	roduction of heat-resistant glass. V. F. Rudakov and A. F. No. 10, 27-9(1955).—Rate of es were 1, 1.5, and 1.75 in. in dia 61.9, RiO, 18.5, CaO 15.4, M. 70) 4%. Pipes were 15-20% still glass.	ss pipes from alkali-free Kuts. Steklo i Keram, drawing was 7 m./min. d- ameter. Glass analyzed fgO 4.2, and F ₂ (above tronger than those from B. Z. Kauich	3 27.4E2U	
			PMm		



LIKHORADOV, A.P.; ZHIGULIN, V.I.; ZHEMBUS, M.D.; RUDAKOV, V.F.; KOTOV, K.I.; ZHAK, A.M.; TSYMBALYUK, V.Yu.; FILIMONOV, V.V.

Service of the lining and cooling equipment of a blast furnace in the smelting of ferromanganese. Metallurg 10 no.10:12-14 0 165. (MIRA 18:10)

1. Zavod im. Petrovskogo.

L 17110-65 ASD(a)-5/AFMD(p)/AFETR/RAEM(1)/ESD(dp)/ESD(c)/ESD(t)

ACCESSION NR: AP4048653

8/0315/64/000/006/0027/0036

AUTHOR: Rudakov, V. F.; Il'yashenko, Ye. I.

B

TITLE: Methods for the selection of multiple-valued replies from an associative memory

SOURCE: Nauchno-tekhnicheskaya informatsiya, no. 6, 1964, 27-36

TOPIC TAGS: information retrieval, associative memory, multiple response, ordered retrieval

ABSTRACT: The authors briefly discuss methods for the retrieval of multiple valued replies from an associative memory, published previously by E. H. Frei and I. A. Goldberg (IRE PTGEC-10, 1961, No. 4, pp. 718-722), R. R. Seeber and A. B. Lindquist (IBM JRD, 1962, 6, No. 1, pp. 126-136) and M. H. Levin (RCA Review, 1962, 23, No. 2, pp 215-229), and conclude that all of these methods have two common disadvantages - a portion of the digits in each shift register must be wasted to label the particular shift register and for any given associative criterion many searches of the memory are required to obtain an answer. The authors then propose a retrieval method based on an individual detector for each stored word and discussed previously by W. L. McDermid and H. E. Peterson (IBM JRD, 1961, 5, No. 1, pp 59-62). All detectors are combined into a detector

Card 1/2

L 17110-65

ACCESSION NR: AP4048653

matrix. A detector is in state one if there is no correspondence between its word and the request symbol and it is in state zero if such correspondence exists. The extraction of a multiple reply is reduced to determining which detectors in the matrix are in the zero state. Two matrix schemes are proposed. In the first scheme, each detector consists of two switches and one ferrite transformer and the matrix is connected in such a way as to minimize the number of addresses in the memory. For large memories, the number of switches becomes excessive, and the second scheme is proposed which requires vn less switches for an n-word memory and uses a sequential interrogation of the detector matrix. This, however, prolongs the processing time. The ferrite core transformers used in this memory are such that 22 of them can be connected in cascade before an appreciable pulse deterioration is observed. Experimental oscilloscope photographs are offered as proof of the matrix performance. It is concluded that this method can also be used to select words which correspond to certain bounded intervals rather than to an exact associative criterion. Orig. art. has: 5 equations, 18 figures and 4 tables.

ASSOCIATION: None

SUBMITTED: 04Apr64

ENCL: 00

SUB CODE: DP

NO REF SOV: 000

OTHER: 006

RUDAKOV, V.I.; ZIL'BERSHOT, B.S.

Making reinforced concrete pressureless socked pipes in vibrating forms. Suggested by V.I.Rudakov, B.S.Zil'bershot. Rats. i izobr.predl. v stroi. no.10:11-13 '59. (MIRA 12:11)

1. Po materialam tresta TSentrospetsstroy Ministerstva stroitel'stva RSFSR.

(Vibrators) (Pipe, Concrete)

RUDAKCV, V.F.; IL'YASHENKO, Te.T.

Methods of selecting a multiple enswer from an associative memory.

NTI no.6:27-36 '64. (MIKA 17:9)

RUKHADE, Aleksandr Konstantinovich; RUDAKOV, Veniamin Federovich; DROKHANOVA, Ye.N., red.; MARAKASOVA, L.P., tekhn. red.; YELAGIN, A.S., tekhn. red.

[Industires of the southern Urals] Industriia IUzhnogo Urala. Moskva, Sovetskaia Nossiia, 1962. 141 p. (MIRA 15:7) (Ural Mountain region—Industries)

RUDAKOV	, V.I., inzh.	
and the second s	Piezometric meter for level measurement in closed tanks. Elek.sta. 29 no.8:82-83 Ag '58. (MIRA 11:11) (TanksMeasurement)	

RUDAKOV, V. I.

Neftianye kalorizatornye dvigateli. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1950. 155 p. diagrs.

Semi-Diesel oil engines.

DA DLC: TJ790.R8

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.