"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SHIRNOVA, G.

All-Union interplant school for the organization of the repair and maintenance of rolling mills. Metallurg 9 no.9:29-30 S '64. (MIRA 17:10)

1. Nachal'nik byuro tekhnicheskoy informatsii Cherepovetskogo metallurgicheskogo zavoda.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

ACCESSION NR: AT4036016 S/2789/63/000/048/0098/0105

AUTHOR: Gorelik, A. G. ; Smirnova, G. A.

TITLE: Relationship between water content and intensity of precipitation and the radar reflectivity of a meteorological object for different drop-size distribution parameters

SOURCE: Tsentral'naya aerologicheskaya observatoriya. Trudy*, no. 48, 1963. Novy*ye vozmozhnosti meteorologicheskogo primeneniya radiolokatsii (New possibilities for meteorological use of radar), 98-105

TOPIC TAGS: meteorology, precipitation intensity, rain water content, radar reflectivity, drop size, drop size distribution, weather forecasting, weather radar

ABSTRACT: A study has been made of the theoretical relationships between radar reflectivity and the liquid-water content and intensity of precipitation for different drop-size distribution parameters. It has been shown that the drop-size distribution is approximated satisfactorily by a function of the form

$$n(d)\,dd \cong d^{b} e^{-\beta d}\,dd, \qquad (1)$$

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where d is the drop diameter, n(d) is the density distribution, and b and β are distribution parameters. In certain studies on this problem the following formula has been used for drop-size distribution

$$n(d)\,dd \sim e^{-\beta_1 d}. \qquad (2)$$

In the Marshall-Palmer distribution, the coefficient $\beta_1 = \frac{3.67d}{d_0}$. On the basis of this dependence, Atlas and Chmela (Proceedings of the Sixth Weather Radar Conference, 1957) derived relationships between radar reflectivity and the liquid-water content and precipitation intensity. In this paper similar relationships are derived, but for a more general case, when the drop-size distribution has the form (1). The theoretical relationships derived make it possible to use radar reflectivity to determine the liquid-water content and precipitation intensity for any drop-size distribution parameters, provided the number of drops per unit volume is known. The number (concentration) of drops in a scattering volume can be computed using a formula supplied by the authors, provided radar reflectivity is measured simultaneously with the drop-size distribution. Orig. art. has: 27 formulas, 4 figures, and 2 tables.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

ACCESSION NR: AT4036016

ASSOCIATION: Tsentral'naya aerologicheskaya observatoriya (Central Aerological Observatory)

SUBMITTED: 00	ATD PRESS: 3076	ENCL: 00
SUB CODE: ES, DC	NO REF SOV: 001	OTHER: 003

Card 3/3

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

TUR'YAN, Ya.I.; SMIRNOVA, G.A.; TOLSTIKOVA, O.A.

Polarographic kinetic currents of nicotinic acid. Elektrokhimiia 1 no.8:922-927 Ag '65. (MIRA 18:9)

1. Institut monomerov dlya sinteticheskogo kauchuka.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.A., aspirant; SHCHERBAKOVA, M.N.; BOGACHEVA, V.S.; REGINYA, V.P.

Economic efficiency of the manufacture of nonwoven fabrics. Tekst. prom. 25 no.8:50-51 Ag '65. (MIRA 18:9)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti imeni Kirova (for Smirnova). 2. Leningradskiy nauchno-issledovatel'skiy institut tekstil'noy promyshlennosti (for Shcherbakova). 3. Nachal'nik tekhnicheskogo otdela fabriki "Lensukno" (for Bogacheva). 4. Zaveduyushchiy apparatno-pryadil'nym proizvodstvom fabriki "Lensukno" (for Reginya).

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.A., aspirantka; KARCHEVA, V.L.

Comparative analysis of efficiency in the production of nonwoven materials and fabrics. Tekst. prom. 25 no.10:54-55 O '65. (MIRA 18:10)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti imeni Kirova (for Smirnova). 2. Starshiy inzh. laboratorii fabriki imeni Nogina (for Karcheva).

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G. A.

Smirnova, G. A. "Variety distinctions in alfalfa based on content of proteins and vitamins", Doklady (Mosk. s.-kh. akad. im. Timiryazeva), Issue 2, 1943, (In index: 1949), p. 53-57.

SO: W-111, 17 July 53, (Letopis' Zhurnal 'nykh Statey, No. 20, 1949).

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G. A.

CA

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Judging alfalfa by the vitamin content. G. A. Smirnova. *Sovet. Agron.* **1940**, No. 6, 11–15. S. analyzed for ascorbic acid in 21 varieties of alfalfa in 1945 and 27 varieties in 1946, using the leaves and stems at the start of blooming and when in full bloom. The early- and short-season varieties, such as Arab, drop their ascorbic acid content rapidly with the advance in growth. The late- and long-season varieties, such as Poltavka, drop the ascorbic acid content slowly. Data are given on the ascorbic acid in the Grim-Zaikevich variety over a period of 3 years at various stages of growth; when stems appear, when blooms begin to show, full bloom, after blooming, and in mature seed. The vitamin C content varies with the seasons, time of day, and the companion crop. When grown with other grasses the vitamin content of alfalfa is higher than when grown alone.

J. S. Joffe

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G. A., Candidate Agric Sci (diss) -- "The composition and properties of the milk from cows of the black-spotted and Jersey breeds, and the quality of the cheese made from it". Moscow, 1959. 17 pp (Moscow Order of Lenin Agric Acad im K. A. Timiryazev), 110 copies (KL, No 25, 1959, 138)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.A.

Method for the preparation of casein hydrolysate under laboratory conditions. Vop.virus. 5 no.3:373-377 My-Je '60. (MIRA 13:9)

1. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov im. L.A. Tarasevicha, Moskva.
(CASEIN) (BACTERIOLOGY CULTURES AND CULTURE MEDIA)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.A.; GAVRILOV, V.I.

Characteristics of the growth of sheep kidney epithelium in tissue culture. Vop.virus. 6 no.2:227-231 Mr-Ap '61. (MIRA 14:6)

1. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov imeni L.A.Tarasevicha, Moskva.
(TISSUE CULTURE) (KIDNEYS)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.A.

Whey proteins as a source of amino acids for the survival and growth of various tissue cells. Vop. virus. 8 no.1:114 Ja-F'63. (MIRA 16:6)

1. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov imeni L.A.Tarasevicha.
(TISSUE CULTURE)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.A., kand. sel'skokhoz. nauk; STAKHANOVA, V.M., kand. med. nauk

Biological properties of the influenza virus of animals. Veterinariia 41 no.4:7-12 Ap '64. (MIRA 17:8)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut narodnogo khozyaystva imeni G.V. Plekhanova (for Smirnova). 2. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR (for Stakhanova).

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.A., kand. sel'skokhoz. nauk; ZhDANOV, V.M., prof.

Composition and physicochemical characteristics of the Sendai virus. Veterinariia 41 no.9:13-16 S '64. (MIRA 18:4)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR. 2. Deystvitel'nyy chlen AMN SSSR (for Zhdanov).

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

ZHDANOV, V.M.; SMIRNOVA, G.A.

On the nature of the inactivating effect of animal tissue extracts against myxovirus haemagglutinins. Acta virol. (Praha) [Eng.] 9 no.2:137-143 Mr'65.

1. The Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

ISACHENKO, V.A.; SMIRNOVA, G.A.; GORBUNOVA, A.S.

Isolation of an irhibitor-sensitive variation from an inhibitor-resistant culture of A2 influenza virus by gel filtration on sephadex. Vop. virus. 10 no.1:97-99 Ja-F '65. (MIRA 18:5)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.A.; MUGALEVA, L.A., red.

[Concise laboratory manual in biochemistry] Kratkoe rukovodstvo k prakticheskim zaniatiiam po biokhimii. Moskva, Mosk. in-t narodnogo khoz., 1965. 59 p. (MIRA 18:11)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.A.

Effect of hydrogen sulfide waters. Med.sestra 15 no.5:5-8 My '56. (MLRA 9:8)

1. Iz TSentral'nogo instituta kurortologii, Moskva.
(MINERAL WATERS, SULFUROUS--THERAPEUTIC USE)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

ZAYETS, T.L.; SMIRNOVA, G.A.

Penetration of radioactive sodium and calcium through undamaged skin [with summary in English]. Med.rad. 2 no.4:66-68 Jl-Ag '57. (MIRA 10:11)

1. Iz TSentral'nogo instituta kurortologii Ministerstva zdravookhraneniya RSFSR.

(SODIUM, radioactive,
penetration through skin from mineral water in animals (Rus))
(CALCIUM, radioactive,
same)
(MINERAL WATER,
penetration of radiocalcium & radiosodium through skin from water in animals (Rus))
(SKIN, physiology,
penetration of radiocalcium & radiosodium from mineral water in animals (Rus))

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.A.

Adenosinetriphosphatase and phosphorylase activity of animal tissues during the action of Narzan water baths following physical exercise. Vop.kur.fizioter. i lech.fiz.kul't. 22 no.6:40-44 N-D '57. (MIRA 11:2)

1. Zaveduyushchiy biokhimicheskoy laboratoriyey otdela eksperimental'noy kurortologii TSentral'nogo instituta kurortologii.
(ENZYMES) (MINERAL WATERS) (EXERCISE)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

EXCERPTA MEDICA Sec 3 Vol 12/11 Endocrinology Nov 58

3169. CALCIUM METABOLISM IN ALLOXAN DIABETES (Russian text) - Zaetz T. L. and Smirnova G. A. - PROBL. ENDOKR. 1958, 4/2 (31-34) Tables 2

A slight increase of the content of Ca in the organs was found in diabetic rats. This may be explained by the accelerated entrance of the blood Ca into the fraction of ultrafiltrable tissue Ca. The rapidity of renewal of Ca in the tissues remains almost unchanged while in the organs usually affected most (liver and kidneys) it is delayed. In diabetes much less Ca enters the colloidal fraction of all the tissues, especially of the liver and kidneys. This may be explained by decreased ability of the proteins to form complex compounds with Ca. (S)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

ZHDANOV, V.M.; SMIRNOVA, G.A.; BUKRINSKAYA, A.G.

Inactivation of the Sendai virus by proteinases and cellular extracts. (MIRA 17:12)
Vop. virus. 9 no.2:178-184 Mr-Ap '64.

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.A.; VIRKUS, A.Yu.

Gas-liquid chromatography of methyl esters of higher fatty acids of li[illegible]d components of the Sendai virus. Vop. virus 9 no.4:417 421 Jl-Ag '64. (MIRA 18:7)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

S/194/62/000/007/130/160
D413/D308

AUTHORS: Gorelik, A.G., and Smirnova, G.A.

TITLE: Relation between radar echo fluctuations and the microstructure of precipitation

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1962, abstract 7-7-132 ts (Tr. Tsentr. aerol. observ., no. 36, 1961, 91-101)

TEXT: The authors consider new possibilities of obtaining information on the microstructure of precipitations by studying fluctuation spectra of radar echo signals rather than measuring their mean intensity. They propose an inertia-free statistical radar method for using the relation between the fluctuation spectrum of echo-signal magnitude and the random velocities of the scattering particles to measure the velocity of turbulent motion. The authors give the theoretical basis of the new method and consider the theoretical relation between the magnitude of the effective scattering area of a meteorological formation and the mean dimensions of a scattering drop. An experiment is described and the results obtained from it

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

S/194/62/000/007/130/160
Relation between radar echo ... D413/D308

are given. 7 figures, 11 references. [Abstracter's note: Complete translation.]

Card 2/2

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

27259
S/020/61/139/005/011/021
B104/B201

3,5000

AUTHORS: Gorelik, A. G., and Smirnova, G. A.

TITLE: Relationship between fluctuations of radio echo and the microstructure of precipitations

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 139, no. 5, 1961, 1098-1100

TEXT: Radar study of the microstructure of precipitations is based on the measurement of reflectivity from meteorological objects. The fluctuation spectra of the reflected signal are specially informative, as they are closely related to the relative velocities of precipitation particles. In the fall of the latter due to gravitation, a clear relationship exists between the size of particles and their velocities. In this case, the fluctuation spectrum has, at the output of a square-law detector, the form

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

Relationship between fluctuations of ...

$$P(\Delta F) = \frac{\bar{A}^2}{\pi} \int_0^\infty p_1^2(v)\, p\left(v + \frac{\lambda}{2}\Delta F\right) dv, \qquad (1)$$

$$p(v) = \frac{|\varphi(v)|^2}{|\varphi(v)|^2}\, w(v), \quad \Delta F = \frac{2\Delta v}{\lambda},$$

Here, $\bar{A}$ is the mean power of the reflected radar beam; v is the projection of the velocities of the precipitation particles onto the beam direction; w(v) is the distribution of the projections of velocities; $\varphi(v)$ = r describes the fall of particles; λ is the wavelength of the station; Δ v is the difference between the projections of velocities. If $\varphi(v)$ is known, the mean size of particles can be found by (1). For raindrops with diameters ranging between 700 and 4000μ, a diameter distribution of $f(r)dr \sim \exp(-\beta_1 r)dr$, $\beta_1 = n/r$ was measured (A. B. Shupyatskiy, Tr. Tsentral'n. aerologich. obs, no. 22 (1957)). According to K. S. Shifrin (Izv. AN SSSR, ser. geofizi, no. 2, 1958)) $r = \varphi(v) = v^2/\alpha^2$, where α is a factor. In this case, the fluctuation spectrum can be rendered in the

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

Relationship between fluctuations of ...

form $P(\Delta F) \cong \int_0^\infty v^{13} e^{-kv^2} (v+\frac{\lambda}{2}\Delta F)^{13} \exp(-k(v+\frac{\lambda}{2}\Delta F)^2 dv$, where $k=\beta_1/\alpha_1^2$. Thus, β_1 can be determined from experimental measurements of ΔF, wherefrom $\bar{r}_c$ is then obtained. An analogous investigation can be conducted for drops some ten μ in diameter. Regarding drops of this order of magnitude, distribution with respect to diameters is not known and the following is assumed: $f(r)dr \sim r^2 e^{-\beta_2 r} dr$, with $r=\varphi(v)=v/\alpha_2$ being taken from the work by K. S. Shifrin. Thus, the fluctuation of the radar echo can be written as $P(\Delta F) \cong \int_0^\infty v^8 e^{-kv} (v+\frac{\lambda}{2}\Delta F)^8 \exp(-k(v+\frac{\lambda}{2}\Delta F) dv$, where $k=\beta_2/\alpha_2$. As the drop size is small compared with the wavelength, reflectivity can be written as $Z \cong \int_0^\infty r^6 f(r)dr = \Gamma(9)N_o / \Gamma(3)\beta_6$ if $f(r)dr \sim r^2 e^{-\beta r}$ and N_o is the number of drops per unit volume. If the particles actually have the distribution indicated by Shifrin, the mean particle size of drops, as

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

Relationship between fluctuations of...

determined by the width of the fluctuation spectrum, must coincide with that determined from the magnitude of Z. Measurements performed by the authors show that the diameters established by the two methods agree with an accuracy of 600μ. In general, it will be necessary to use both these methods in the study of the microstructure of precipitations. There are 4 figures and 2 Soviet references.

ASSOCIATION: Tsentral'naya aerologicheskaya observatoriya (Central Aerological Observatory)

PRESENTED: March 31, 1961, by Ye. K. Fedorov, Academician

SUBMITTED: March 31, 1961

Card 4/4

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

S/032/62/028/010/001/009
B117/B186

AUTHORS: Kaplan, B. Ya., Sorokovskaya, I. A., and Smirnova, G. A.

TITLE: Determination of copper in metallic indium by square-wave polarography

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 10, 1962, 1188-1191

TEXT: Copper traces in indium were determined by using solutions characterized by two-electron reduction of copper. An acid sulfate medium proved inadequate due to the presence of oxygen. Therefore phosphoric acid was added to shift the peak potentials of copper and oxygen apart without affecting the reversibility of the electrodic processes. In sulfuric and phosphoric acid solutions, the inclination of the copper peak is nearly zero. The positive inclination of the copper peak can be increased by raising the phosphoric acid concentration. The potential of mercury sulfate bottom can be kept constant by binding chlorine ions with small quantities of silver nitrate (0.002%). The copper is reduced in two stages when the chloride content is increased. Square-wave polarography makes it possible to determine copper in

Card 1/2

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L 41086-65 EEO-2/EWT(1)/FCC/EEC(t)/EED-2 Pm-4/Pn-4/Pac-4/Pi-4/Pj-4/Pk-4/Pl-4
RB/GW/WR

ACCESSION NR: AT5008983 S/2789/64/000/057/0072/0076

52
50
B+1

AUTHOR: Smirnova, G. A.

TITLE: Radar measurements of clear-sky turbulence utilizing passive reflectors

SOURCE: Tsentral'naya aerologicheskaya observatoriya. Trudy, no. 57, 1964. Radiolokatsionnyye metody aerologicheskikh nablyudeniy (Radar methods of aerological observation), 72-76

TOPIC TAGS: clear sky turbulence, radar turbulence measurement, atmospheric turbulence, meteorological radar, radar statistics

ABSTRACT: Recently, metal-covered strips and half-wave dipoles have been utilized as turbulence probes during the use of radar beams for the study of atmospheric turbulence. This article presents the results collected during the use of the statistical radar method to study turbulence at various altitudes and times. Earlier tests showed that with narrow-beam antennas (the width of the diagram less than 0.7°) the radar signal exhibits fluctuations which are usually caused by atmospheric turbulence. Consequently, during radar observation, one can obtain the value of the mean square pulsation velocities at different altitudes directly and

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ACCESSION NR: AT5008983

2

follow their variations in time within a fixed amount of space occupied by artificial reflectors. The results, collected on four different days, are tabulated and presented in a form suitable for comparison with data achieved by direct aircraft observation. "The author thanks the personnel of the aeronautics section of the TsAO and in particular A. S. Masenkis for sending up the probes and releasing the reflectors." Orig. art. has: 2 figures and 1 table. [08]

ASSOCIATION: Tsentral'naya aerologicheskaya observatoriya (Central Aerological Observatory)

SUBMITTED: 00 ENCL: 00 SUB CODE: ES,EC

NO REF SOV: 005 OTHER: 002 ATD PRESS: 3232

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APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.D., assistent

Test for the hydrophilic nature of tissues during pneumonia in young children. Sbor. nauch. trud. Ivan. gos. med. inst. no. 28: 40-43 '63 (MIRA 19:1)

1. Iz kafedry gospital'noy pediatrii (zav. kafedroy - dotsent A.N. Karlova) Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor - dotsent Ya.M. Romanov).

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

32-11-27/60

AUTHORS: Volkogon, G.M., Smirnova, G.D., Pogov, V.I.

TITLE: The Spectral Method for the Determination of the Content of Iron, Manganese, Magnesium, Silicon, and Lead in the "Melchior" of the Type MH-19 (Spektral'nyy metod opredeleniya zheleza, margantsa, magniya, kremniya i svintsa v mel'khiore marke MH-19)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 11, pp. 1337-1338 (USSR)

ABSTRACT: Quantitative determinations were carried out in this case by the method of 3 standard gauged samples. The sample was taken out of the melt in the foundry and was cast into a conical bolt of 10 mm and 14 mm diameter (at the ends) and of 50 mm length by filling a special mold. This bolt was polished at its thinner end and was used as lower electrode. The upper electrode was made from spectrally pure carbon and was of conical shape, with 6 mm and 2 mm diameters at the ends. The following devices were used for spectral analysis: A spectrograph type "ИСП-22" and an alternating current arc lamp "ПС-39" as well as films "Spektral" type 1. Spectrophotographs were made in 2 series: one for the determination of silicon, magnesium, and lead, and a second for iron and manganese. Photometrization was carried out on the microphotometer "МФ -2". Standards were cast and prepared in the same

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32-11-27/60

The Spectral Method for the Determination of the Content of Iron, Manganese, Magnesium, Silicon, and Lead in the "Melchior" of the Type MH-19

manner as the above described sample. The prepared mixtures for standards were tested spectrographically and by chemical analysis. The results obtained by this method were compared with those obtained by methods which were already known, and agreement was found to be satisfactory. There are 1 figure and 1 table.

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SEMENYCHEVA, A.A.; SMIRNOVA, G.D.

'Quantitative determination of synthomycin by means of nitritometric titration using an internal indicator. Apt. delo 9 no.3:58-60 My-Je '60. (MIRA 14:3)
(CHLOROMYCETIN) (INDICATORS AND TEST-PAPERS)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SEMENYCHEVA, A.A., starshiy nauchnyy sotrudnik, kand.farm.nauk; CHEPURNYKH, N.S., mladshiy nauchnyy sotrudnik; SMIRNOVA, G.D., mladshiy nauchnyy sotrudnik

Complexonometric method of quantitative determination of bismuth and zinc in medicinal mixtures. Sbor.nauch.trud. TSANII 2:114-117 '61. (MIRA 16:5)

1. Laboratoriya biologicheskoy i khimicheskoy standartizatsii lekarstv (rukovoditel' laboratorii - doktor med.nauk, prof. N.G. Polyakov) TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta.

(BISMUTH--ANALYSIS) (ZINC--ANALYSIS)
(DRUGS--ADULTERATION AND ANALYSIS)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

[redacted], N. F.

"Cold and Its Utilization for Preservation of Produce," Pel'dsher i Akusher., No. 5, 1948.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

"Sanitary Requirements for Insuring the Quality of Milk During Storage and Transportation," Publ. Health Rep., No. 6, 1942. Sanitation Dr.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.F.

USSR/Medicine - Hygiene and Sanitation Sep 48
Medicine - Vegetables

"Sanitation Needs for the Setting Up and Use of Salting Stations," G. F. Smirnova, 3½ pp

"Fel'dsher i Akusherka" No 9

Discusses hygienic aspects of preserving vegetables by salting.

23/49173

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

[illegible], [illegible]

"A Method of Selection and Delivery of Samples of Food Products to the Laboratory for Sanitary Analysis," Fel'dsher i Akusher., No. 6, 1949.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOV, G.C.

Determining the type of reflected waves from the character the seismic recording. Uch. zap. LGU no.324:333-336 '64. (MIRA 2834)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

S/115/60/000/011/004/013
B019/B058

AUTHORS: Kolomiytsov, Yu. V., Panaiotova, N. N., and Smirnova, G. G.

TITLE: Collimation Method for Controlling Grooves in Ball Bearing Races

PERIODICAL: Izmeritel'naya tekhnika, 1960, No. 11, pp. 16 - 18

TEXT: The optical method described here permits the high-precision measurement of the curvature radius of toric faces. The ray path in the instrument is shown in Fig. 2. In its focal point the objective 6 produces an image of orifice 3. If the race is moved along the optical axis in such a way that the focal point of the objective lies once on the groove surface, the second time in the curvature center of the groove, an image of the orifice can be seen in the first case, and a very narrow luminous band in the second case. The curvature radius of the groove can thus be ascertained by determining the distance between the two race positions. An estimation of the surface quality of the groove from the width of the band is not suitable owing to the high quality of the groove surface. Local deviations of the groove shape can be easily proved. An aperture of

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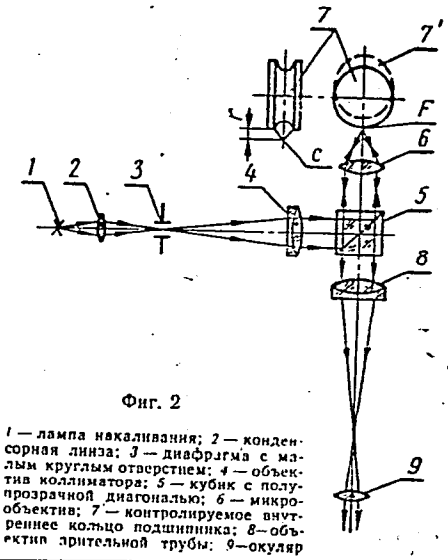
Collimation Method for Controlling Grooves in Ball Bearing Races

S/115/60/000/011/004/013 .
B019/B058

A = 0.75 is considered most suitable by the authors. There are 2 figures and 1 table.



Фиг. 2

1 — лампа накаливания; *2* — конденсорная линза; *3* — диафрагма с малым круглым отверстием; *4* — объектив коллиматора; *5* — кубик с полупрозрачной диагональю; *6* — микрообъектив; *7* — контролируемое внутреннее кольцо подшипника; *8* — объектив зрительной трубы; *9* — окуляр

Legend to Fig. 2:
1) bulb,
2) condenser,
3) diaphragm,
4) objective collimator,
5) prism,
6) microobjective,
7) ball bearing race,
8) eyepiece tube,
9) eyepiece.

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SMIRNOVA, G.G.

MAKSUDOV, G.A.; ANTONOVA, T.S.; SMIRNOVA, G.G.

Acute hypertensive encephalopathy. Zh. nevropat. psikhiat., Moskva 53 no.12:963-967 Dec. 1953. (CLML 25:5)

1. Neurology Clinic of Moscow Oblast Scientific-Research Clinical Institute imeni M.F. Vladimirskiy.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

POPOVA, N.A., SMIRNOVA, G.G.

A typical forms of encephalitis [with summary in French]. Zhur.nevr. i psikh. 58 no.6:650-655 '58 (MIRA 11:7)

1. Nevrologicheskaya klinika (zav. - prof. N.A. Ponova) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta.
(ENCEPHALITIS, case reports
atypical cases (Rus))

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

BURAVTSEVA, V.P.; SMIRNOVA, G.G. (Moskva)

On multiple astrocytomas of the brain. Vop.neirokhir. 24 no.5 52-53 S-O '60. (MIRA 13:11)

1. Klinika nervnykh bolezney Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni M.F. Vladimirskogo.

(BRAIN—TUMORS)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

ANTONOVA, T. S.; SMIRNOVA, G. G. (Moskva)

Clinical and histopathological aspects of Hippel-Lindau disease. Klin. med. no.9:38-44 '61. (MIRA 15:6)

1. Iz kliniki nervnykh bolezney Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni M. F. Vladimirskogo (dir. - kandidat meditsinskikh nauk P. M. Leonenko)

(ANGIOMATOSIS)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SEMENOV, V.A.; GUSEVA, L.L.; SMIRNOVA, G.G. (Moskva)

Clinical picture and morphology of defects of development of the blood vessels of the spinal cord. Vop. neirokhir. 26 no. 5: 22-25 S-O '62 (MIRA 17:4)

1. Klinika nervnykh bolezney i patomorfologicheskogo otdela Oblastnogo nauchno-issledovatel'skogo instituta imeni M.F. Vladimirskogo, Moskva.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.I.

Prevention of atonic hemorrhages in obstetrical practice [with summary in English]. Akush. i gin. 34 no.1:39-42 Ja-F '58. (MIRA 11:4)

1. Iz 1-go rodil'nogo doma (glavnyy vrach G.I.Smirnova), Odessa.
(LABOR, hemorrh.
atonic prev. with pachycarpine (Rus))
(AUTONOMIC DRUGS, therapeutic use,
pachycarpine in prev. of atonic hemorrh. in labor (Rus))

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.I. [Smyrnova, H.I.]

Use of antorfin for the prevention and treatment of intrauterine asphyxia of the fetus. Ped., akush. i gin. 22 no.3:50-51 '60. (MIRA 14:4)

1. Kafedra akusherstva i ginekologii (zav. - zasluzhennyy deyatel' nauki prof. O.I.Malinin) khirurgicheskogo fakul'teta Odesskogo meditsinskogo instituta (direktor - zaslushennyy deyatel' nauki I.Ya.Deyneka).

(NORMORPHINE) (ASPHYXIA)
(PREGNANCY, COMPLICATIONS OF)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SARKISOV, G.A.(Moskva); SMIRNOVA, G.I.(Moskva); STEKOL'NIKOV, I.S.(Moskva)

Processes in the development of the strengthening effect in an arced-over gap with voltage of commercial frequency. Izv. AN SSSR. Otd.tekh.nauk. Energ. i avtom. no.5:44-50 S-O '60. (MIRA 13:11)

1. Laboratoriya vysokovol'tnogo gazovogo razryada Energeticheskogo instituta AN SSSR.
(Electric arc) (Electrodes)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

27834
S/032/61/027/010/007/022
B110/B101

55300

AUTHORS: Lipshits, B. M., Smirnova, G. K., and Kulikov, F. S.

TITLE: Determination of iron in highly pure antimony

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 10, 1961, 1199 - 1200

TEXT: The determination of iron in Sb metal by means of thiocyanate is disturbed by the formation of a yellow precipitate. α, α'-dipyridyl forms a stable, soluble ferrodipyridyl complex ion, whose red color exactly obeys Lambert-Beer's law, and which is concentrated in a thin cresol layer. 1 - 5g of Sb metal was dissolved in a mixture of 5 parts of HCl 1:1 and 1 part of HNO_3, (1:1), and evaporated to dryness at $<100^{\circ}C$ since otherwise the iron volatilizes. The residue was dissolved in 50 ml solution of tartaric acid, NaCl, Na_2SO_3, and NaOH purified from iron, (to form the soluble Sb complex), and boiled for 3 - 5 min. The pH should be 3 - 4. 2.0 ml α, α'-dipyridyl solution was added, filled up to 50 ml, and colorimetric measurement was conducted after 1 hr. When red coloring fails to appear, 15 - 20 ml Sb solution and 1 ml colorless cresol are

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2753
S/032/61/027/010/007/022
B110/B101

Determination of iron in highly pure...

filled in portions into a separating funnel, and shaken each time for 2 min. After extraction of the Fe complex, 0.1 γ Fe in 5 g Sb may be visually determined by comparison with standard solutions. For plotting the calibration curve, standard solutions containing 0 - 5 γ Fe are filled with 1 ml 10% hydroxylamine solution, 0.2% α, α' dipyridyl solution, and 5 ml acetate buffer (0.5 ml glacial acetic acid and 0.5 g sodium acetate in 100 ml H_2O). The solutions are filled up to 25 ml with H_2O and colorimetrically measured after 30 min on an ФЭК-Н-57 (FEK-N-57) with green light filter. Admixtures of Ni, Cd, As, Pb, Mn, Co, Bi, Ag, Pt, Au, Hg, Cu, Zn amounting to the 2 - 4 fold of the Fe content do not disturb. The acids used for dissolving Sb should be of special purity. 7.5 g NaCl, 15 g Na_2SO_3, 30 g tartaric acid, 10 - 11 g NaOH were dissolved in 150 ml aqua dest., shaken, brought to pH = 4 - 5 by means of NaOH or HCl, and boiled for 3 - 5 min. 45 ml α, α'-dipyridyl solution was added and left standing for 18 - 20 hr under seal. 70 ml cresol was added in the separating funnel, and the Fe-free aqueous layer was filtered off. The solution was investigated for the presence of Fe by means of 0.5 ml α, α'-dipyridyl solution and color comparison with aqua dest. When red coloring failed

Card 2/3

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to appear, the solution was filled up to 600 ml with H_2O.

ASSOCIATION: Institut tsvetnykh metallov i zolota im. M. I. Kalinina
(Institute of Nonferrous Metals and Gold imeni M. I. Kalinin)

Card 3/3

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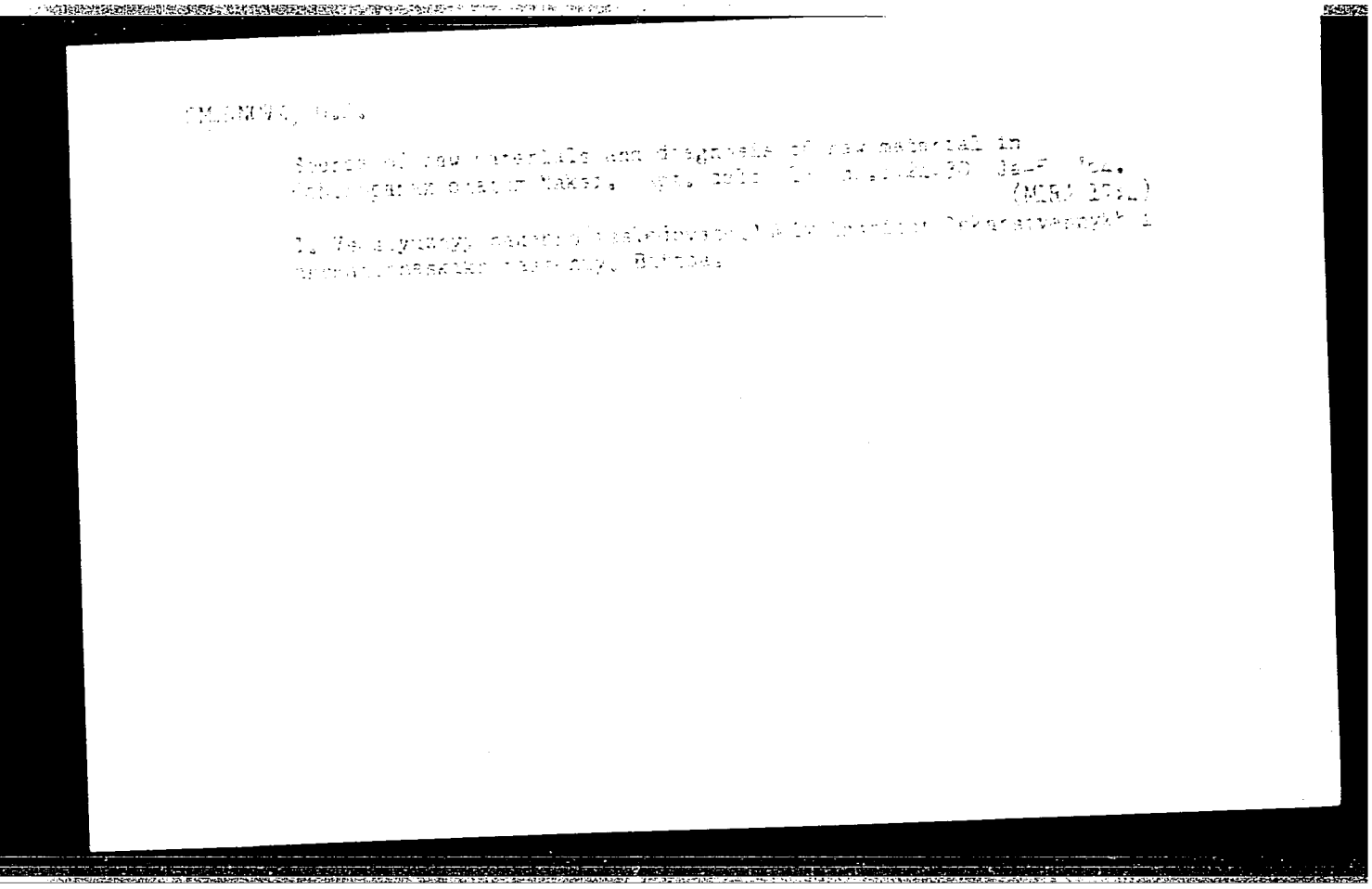

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

LIPSHITS, B.M.; SMIRNOVA, G.K.

Quantitative spot analysis of germanium with the use of phenylfluorone. (MIRA 13:6)
Zav.lab. 26 no.3:273-274 '60.

1. Institut tsvetnykh metallov i zolota im. M.I.Kalinina.
(Germanium--Analysis)
(Isoxanthenone)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.K.

Signs for detecting a new medicinal plant Securinega suffruticosa (Pall) Rehd. Apt. delo 10 no.4:32-38 Jl-Ag '61. (MIRA 14:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticheskikh rasteniy.
(ALKALOIDS) (BOTANY, MEDICAL)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.K.

Distribution of resins in the roots of Aralias as additional material contributing to the knowledge of the evolution of the genus. Trudy MOIP Otd. biol. 13:155-160 '65 (MIRA 19:1)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.K.; SHRETER, A.I.

Distribution and resources of Aralia Schmidtii Pojark. Rast. res., 1 no.2:251-254 '65. (MIRA 18:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticheskikh rasteniy, Moskva.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

KHARITONOV, V.M.; SMIRNOVA, G.L.; KUDRYASHOV, S.A.; MALAFEYEV, L.A.; BORIK, A.G.

Methods for removing polyamide resin from spinnerets. Khim.volok. no.6:58-59 '61. (MIRA 14:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut steklyanogo volokna (for Kharitonov, Smirnova, Kudryashov, Malafeyev).
2. Klinskiy kombinat (for Borik).
(Spinning machinery)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

KHARITONOV, V.M.; SMIRNOVA, G.L.; KUDRYASHOV, S.A.; BORIK, A.G.; KHARITONOVA, G.N.; TOROPOVA, Ye.G.

Capron fibers with nonround cross section. Khim.volok. no.5:49-51 '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy insitut steklyanogo volokna (for Kharitonov, Smirnova, Kudryashov). 2. Klinskiy kombinat iskusstvennogo i sinteticheskogo volokna (for Borik, Kharitonova, Toropova).
(Nylon)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

PLYSHEVSKIY, Yu.S.; SMIRNOVA, G.M.; TKACHEV, K.V.; LEONT'YEVA, L.A.

Preparation and certain properties of lead borate. Izv. AN SSSR. Neorg. mat. 1 no.11:1933-1937 N '65. (MIRA 18:12)

1. Ural'skiy nauchno-issledovatel'skiy khimicheskiy institut, Sverdlovsk. Submitted January 7, 1965.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.M.; YEGOROVA, L.A.; KALININA, V.I.

Searching for methods to regulate the acidity of semiprocessed products made with low-grade rye and grade 1 wheat flour in case of their preparation with the continuous method. Trudy TSNIIKHP no.8:141-150 '60. (MIRA 15:8)
(Fermentation) (Dough)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.M.; YEGOROVA, L.A.; KALININA, V.I.; UKHANOVA, V.A.; BEZGUBOVA, L.V.; ARTAMONOVA, V.V.; SMOL'YANINOVA, G.A.

Retardation of acid accumulation in case of continuous method of bread preparation from grade I wheat flour with a dough making machine with continuous action. Trudy TSNIIKHP no.8:151-152 '60. (MIRA 15:8)

(Dough)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

PLYSHEVSKIY, Yu.S.; LEONT'YEVA, I.A.; SMIRNOVA, G.M.

Physicochemical properties of barium hexaborate. Zhur. neorg. khim. 8 no.12:2811-2812 D '63. (MIRA 17:9)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.M.; TOKAREVA, R.R.; KRETOVICH, V.L.

Ferment preparations as regulators of biochemical and microbiological processes in the making of rye bread. Biokhim. zer. i khlebopech. no.7:245-263 '64.

(MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khlebopekarnoy promyshlennosti i Institut biokhimii imeni Bakha AN SSSR.

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

TOKAREVA, R.R.; SMIRNOVA, G.M.; KRETOVICH, V.L.

[Use of ferment preparations in the bread making industry] Primenenie fermentnykh preparatov v khlebopekarnoi promyshlennosti. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 68 p. (MIRA 17:9)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

BOROVITSKIY, V.N.; BORISOV, M.A.; SMIRNOVA, G.M.; SEDEL'NIKOV, V.I., red.; SERBINA, L.N.; SMIRNOVA, N.S., tekhn. red. MAYOROV, V.V., tekhn. red.

[Economy and efficient use of electric power] Ekonomiia i ratsional'noe ispol'zovanie elektroenergii; po materialam tematicheskoi vystavki. Moskva, VDNKh SSSR, 1962.
No.1. [In its production and distribution] Pri ee proizvodstve i raspredelenii. 23 p. No.2. [In machinery manufacturing enterprises] Na mashinostroitel'nykh predpriiatiiakh. 27 p. No.3. [In electric transport] Na elektrifitsirovannom transporte. 10 p. No.4. [In metallurgy] V metallurgii. 16 p. No.5. [In electrothermics and aluminum elelctrolysis] V elektrotermii i pri elektrolize aliuminiia. 52 p. No.6. [In electrical lighting] V elektroosveshchenii. 19 p. (MIRA 16:8)

(Electric power)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

L 11031-66 EWT(m)/EWP(t)/EWP(b)/EWA(h) IJP(c) JD

ACC NR: AP5028723 SOURCE CODE: UR/0363/65/001/011/1933/1937

AUTHOR: Plyshevskiy, Yu. S.; Smirnova, G. M.; Tkachev, K. V.; Leont'yeva, I. A.

ORG: Ural Scientific Research Chemical Institute, Sverdlovsk (Ural'skiy nauchno-issledovatel'skiy khimicheskiy institut)

TITLE: Preparation and certain properties of lead borate

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 11, 1965, 1933-1937

TOPIC TAGS: boron compound, lead compound, borate, chemical reaction, solid physical property, chemical composition, endothermic effect, exothermic effect

ABSTRACT: Lead borate $4PbO \cdot 5B_2O_3 \cdot 2.5H_2O$ was prepared by reacting lead monoxide with a 10% solution of B_2O_3 in H_3BO_3. The effect of B_2O_3 concentration, temperature, and duration of the reaction on the composition of the product was studied. Lead borate was found to be practically insoluble in water; excess boric anhydride present in the lead borate obtained is washed out in water. Heating curves of lead borate were plotted, and the endothermic effects and one exothermic effect (a solid-state phase transition) are discussed. Heat capacity and thermal conductivity were determined at 100, 200, 300, and 350°C. Orig. art. has: 3 figures, 2 tables.

SUB CODE: 07/ SUBM DATE: 07Jan65/ ORIG REF: 003/ OTH REF: 003

UDC: 546.817'273

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SMIRNOVA, G.M.

Effect of increased temperature and complex enzymatic preparations of Aspergillus oryze and A. awamori on the heteroenzymatic lactic acid fermentation. Dokl.AN SSSR 149 no.3:714-716 Mr '63. (MIRA 16:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut khlebopekarnoy promyshlennosti. Predstavleno akademikom V.N.Shaposhnikovym.

(Lactic acid) (Aspergillus)
(Temperature--Physiological effect) (Enzymes)

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SMIRNOVA, G.M.; YEGOROVA, L.A.; KALININA, L.I.

Use of fermentation preparations obtained from Aspergillus oryzae and Aspergillus awamori fungi for the production of liquid yeast mash. Trudy TSNIIKHP no.10:131-137 '62. (MIRA 18:2)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

TOKAREVA, R.R ; SMIRNOVA, G.M.; YEGOROVA, L.A.; KALININA, V.I.

Use of enzymes for improving the quality of bread made from low-quality flour. Trudy TSNIIKHP no.10:138-147 '62.

(MIRA 18:2)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

LOBANOV, Yu.A.; KUNIN, T.I.; SMIRNOVA, G.M.

Kinetics and mechanism of the decomposition of zinc hydrosulfite in aqueous solution. Izv.vys.ucheb.zav.;khim. i khim.tekh. 6 no.2:189-194 '63. (MIRA 16:9)

1. Ivanovskiy khimiki-tekhnologicheskiy institut, kafedra obshchey khimicheskoy tekhnologii.
(Dithionites) (Zinc salts)

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

GARMONOV, I.V., doktor geol.-mineral.nauk; IVANOV, A.V.; NEFEDOVA, Ye.I.; SMIRNOVA, G.N.; SUGROBOV, V.M.; FILIPPOVA, B.S., red.izd-va; POLENOVA, T.P., tekhn.red.

[Underground waters in the south of the West Siberian Lowland and the conditions of their formation] Podzemnye vody iuga Zapadno-Sibirskoi nizmennosti i usloviia ikh formirovaniia. Moskva, Izd-vo Akad.nauk SSSR, 1961. 126 p. (Akademiia nauk SSSR. Laboratoriia gidrogeologicheskikh problem. Trudy, vol.33) (MIRA 15:4)
(Siberia, Western--Water, Underground)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.N.

A parabolic equation degenerate at the boundary of a domain. Uch. zap. MGPI no.188:203-206 '62. (MIRA 16:9)
(Differential equations)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

RYABOV, B.., SMIRNOVA, G.N.

Maintenance features of apartment houses built in Vladivostok according to a standard economic plan. Sbor. nauch. rab. (MIRA 17:5)
NVNIIS no.33-39 '62.

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

S/199/63/004/002/006/013
B112/B234

AUTHOR: Smirnova, G. N.

TITLE: Linear parabolic equations degenerated at the boundary of the domain

PERIODICAL: Sibirskiy matematicheskiy zhurnal, v. 4, no. 2, 1963, 343 - 358

TEXT: The equation

$L(u) = p(t,x)\partial^2 u/\partial x^2 + b(t,x)\partial u/\partial x + c(t,x)u - q(t,x)\partial u/\partial t = f(t,x)$ (1)

is considered in the domain $G(t \geqslant 0,\ x \geqslant 0)$, the first boundary value problem for Eq. (1) in the domain $G^{(1)}$ $(t \geqslant 0,\ 0 \leqslant x \leqslant 1)$, and Cauchy's problem for Eq. (1) in the domain $G^{(2)}$ $(T \geqslant t \geqslant 0,\ -\infty < x < \infty)$. The coefficients of the left-hand side of Eq. (1) are assumed to be bounded together with their derivatives up to the fourth order. In addition, the conditions $p(t,x) \geqslant 0$, $q(t,x) \geqslant 0$, $c(t,x) \leqslant c_0 < 0$, $|b(t,x) - b_0| \leqslant Bx$, $|f(t,x)| \leqslant F$, where c_0, $b_0 = b(0,0)$, B, F, T are constants, have to be fulfilled. Theorems of uniqueness and existence of solutions to the problems mentioned above are derived.

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Linear parabolic equations ...

SUBMITTED: July 6, 1961

Card 2/2

APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9"

"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.N.

Uniqueness classes of the solution to the Cauchy problem for parabolic equations. Dokl. AN SSSR 153 no.6:1269-1272 D '63. (MIRA 17:1)

1. Gosudarstvennyy pedagogicheskiy institut im. V.I. Lenina. Predstavleno akademikom P.S. Novikovym.

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.N.; POLYAKOV, A.I.; ROGOVIN, Z.A.

Synthesis of cellulose derivatives containing 2,3-anhydro rings.
Vysokom. soed. 7 no.6:972-977 Je '65. (MIRA 18:9)

1. Moskovskiy tekstil'nyy institut.

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G. I., VEKUA, M. A. and ZEMIN, I. A.

"Treatment of Using Domestic Cheopodium Oil in Cases of Ascaridiasis and Ancylostomiasis", Med. Paraz. i Paraz. Bolez., Vol. 17, No. 5, pp 433-34, 1948.

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G. P., VEKUA, M. A. and TSETSKHLADZE, M. I.

"Treatment of Ancylostomiasis With Chemopodium Oil", Med. Paraz. i Paraz. Bolez., Vol. 17, No. 5, pp 434-35, 1948.

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SHIRNOVA, G. P.

SOV/6060

PHASE I BOOK EXPLOITATION

Vargin, V. V., Professor, ed.

Emalirovaniye metallicheskikh izdeliy (Enameling of Metal Articles). Moscow, Mashgiz, 1962. 546 p. Errata slip inserted. 7500 copies printed.

Reviewer: A. S. Ragozin, Engineer; Ed.: M. V. Serebryakova, Engineer; Eds. of Publishing House: I. A. Borodulina, A. I. Varkovetskaya, and T. L. Leykina; Tech. Ed.: L. V. Shchetinina; Managing Ed. for Literature on Machinery Manufacture (Leningrad Division, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This book is intended for specialists in enameling, technical personnel of plants, and personnel of scientific research laboratories and institutes. It can also be used by teachers and students of schools of higher education.

COVERAGE: The book provides a brief discussion on raw materials and processes for melting enamels, describes in detail furnaces for melting enamels,

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and offers some recommendations for selection and calculation of furnaces. A special section [Ch. IV, sect. 8] on heat-resistant coatings is included. A flowsheet is given for centralized production of enamels. The properties and preparation of slips are also comprehensively described. The production of new enameled products such as pipelines, architectural and building materials, and aluminum articles is described. Individual chapters were written both by plant personnel and by technical personnel of scientific research institutes and schools of higher eduction. [See: Table of Contents.] No personalities are mentioned. There are 638 references, mainly Soviet, with many English and some German.

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Enameling of Metal Articles SOV/6060

Ch. V. Enameling of Cast Iron Articles (V. Ya. Lokshin, V. P. Vaulin, G. A. Kudryavtseva, and V. E. Mishel') 352

Ch. VI. Enameling of Aluminum Articles (M. V. Serebryakova) 422

Ch. VII. Enameling of Articles of Nonferrous and Precious Metals (L. L. Gutorova) 440

Ch. VIII. Control of Enameling Production (V. V. Vargin, M. V. Serebryakova, and G. P. Smirnova) 457

Ch. IX. Industrial Hygiene and Safety Engineering (B. Z. Pevzner) 494

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AVAILABLE: Library of Congress
SUBJECT: Metals and Metallurgy
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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

BARKHASH, V.A.; SMIRNOVA, G.P.; PRUDCHENKO, A.T.; MACHINSKAYA, I.V.

Addition of α-alkylidene groups to some cyclanones. Zhur.ob.khim. 33 no.7:2202-2208 Jl '63. (MIRA 16:8)

1. Moskovskoy khimiko-tekhnologicheskiy institut im. D.I.Mendeleyeva.
(Cycloalkanones)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.N.

Rectilinear congruences in three-dimensional seminon-Euclidean spaces. Uch. zap. MGPI no. 243:375-384 '65 (MIRA 19:1)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

KAMENSKIY, I.V.; SMIRNOVA, G.P.; TSEPELEV, A.S.

Melamine-acetone-formaldehyde resins. Trudy MKHTI no.29:108-113 '59. (MIRA 13:11)
(Resins, Synthetic) (Melamine) (Acetone) (Formaldehyde)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

MACHINSKAYA, I.V.; SMIRNOVA, G.P.; BARKHASH, V.A.

Certain properties of enol acetates. Part 7: Enol acetate of cyclobutanone and its conversion to α-alkylcyclobutanone. Zhur.ob.khim. 31 no.8:2563-2566 Ag '61. (MIRA 14:8)
(Cyclobutanone) (Enols)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

BAHKHASH, V.A.; SMIRNOVA, G.P.; MACHINSKAYA, I.V.

Certain properties of enol acetates. Part 8: Bromination of enol acetates with cyclopentanone and of cycloheptanone with N-bromosuccinimide. Zhur.ob.khim. 31 no.10:3197-3202 O '61. (MIRA 14:10)

(Enols) (Bromination)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

VARGIN, V.V., doktor tekhn.nauk, prof.; SMIRNOVA, G.P.

Titanic enamels with a low TiO_2 content. Stek. i ker. 19 no.8:35-37 Ag '62. (MIRA 15:9)
(Enamel and enameling) (Titanium)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

KUNIN, L.L.; SMIRNOVA, G.P.

Investigating the interconnection of the electron state with hydrogen solubility in alloys. Sbor. trud. TSNIICHM no.24: 14-19 '62. (MIRA 15:6)

(Alloys--Hydrogen content) (Electrons)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

MACHINSKAYA, I.V.; SMIRNOVA, G.P.; BARKHASH, V.A.

Synthesis of certain condensed systems containing a furan ring.
Zhur.ob.khim. 32 no.4:1248-1252 Ap '62. (MIRA 15:4)
(Furan)

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

BARKHASH, V.A.; SMIRNOVA, G.P.; MACHINSKAYA, I.V.

Interaction of tetrahydrofuran with acetyl chloride in the presence of zinc bromoenol acetates. Zhur. ob. khim. 33 no.8: 2570-2573 Ag '63. (MIRA 16:11)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva.

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

SMIRNOVA, G.P.

Effect of chronic changes in the level of stimulation of the unconditioned food center on the dynamics of conditioned and unconditioned reflexes in chickens in various stages of ontogeny. Zhur. vys.nerv.deiat. 14 no.1:116-121 Ja-F '64. (MIRA 17:6)

1. Pavlov Institute of Physiology, U.S.S.R. Academy of Sciences, Leningrad.

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

BARKHASH, V.A.; SMIRNOVA, G.P.; ZUDIN, S.N.; MACHINSKAYA, I.V.

Some properties of enol-acetates Part 9: Interaction of cyclohexanone α-bromoenol-acetate with sodium. Zhur.ob.khim. 34 no.1:303-307 Ja '64. (MIRA 17:3)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I.Mendeleyeva.

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

PONOMARENKO, V.V., [illegible]

Effect of increased excitation of the unconditioned food center in early ontogeny on the characteristics of nervous processes in adult animals. Zhur. vys. nerv. deiat. 14 no.3:537-543 My-Je '64. (MIRA 17.11)

1. Pavlov Institute of Physiology, U.S.S.R. Academy of Sciences, Leningrad.

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"APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651620010-9

L 53997-65

ACCESSION NR: AP5017373 UR/0020/65/160/004/0960/0963

AUTHOR: Kugatova-Shemyakina, G. P.; Ushakova, V. F.; Rudenko, V. A.; Smirnova, G. P.; Grechushnikov, A. I.; Mishurovskaya, L. M.; Agakishiyev, D. A.; Pen'kov, L. A.

TITLE: New growth stimulators

SOURCE: AN SSSR. Doklady, v. 160, no. 4, 1965, 960-963

TOPIC TAGS: plant development

Abstract: Compounds from the following groups were synthesized by the authors and found to be highly active as plant growth stimulators: delta-3-cyclohexenyl- and cyclohexylbutanolones, delta-3-cyclohexenylbutenones, cyclohexylbutanes, and cyclohexylbutenones. The authors were particularly interested in determining the relationship between the structure and degree of activity of the compounds. Laboratory and field tests on the potato showed: (1) compounds of the cyclohexene series were more active than the corresponding compounds of the cyclohexane series; (2) the introduction of a methyl group into the ring, especially in position 2 or 6, significantly increased the activity of the compound; (3) the substitution of a phenyl for a methyl group increases the activity even more; (4) the introduction of a second methyl

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