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21413 s/120/61/000/002/024/042 E032/E114 A controlled source of positive ions, free of neutral particles (0.22 mm in diameter), the diameter of the two-turn coil being 3 mm. Preliminary collimation is obtained by means of the porcelain ring 3, which is 2 mm long and has an aperture 2.6 mm Fig.1 also indicates the separation of the particle in diameter. beam into neutral particle 5 and positive potassium ions 6. This is achieved by the positive grid $\frac{1}{4}$ and negative plate 7. Fig.2 shows a more detailed drawing of the source. The grid 4 is in the form of a cone bent through an angle of 90°, as shown. The neutral particles can freely pass through the grid while the positive ions are deflected to the right. An additional electric field gradient is produced at the base of the grid 4 by means of two tungsten wires located immediately above the exit aperture. Fig.4 shows the ion current as a function of the voltage between the grid and the spirals. The source can be controlled electrically as shown in Fig. 3, so that the apparatus does not incorporate any mechanical shutters. This is facilitated by the introduction of an additional controlling grid 12 (Fig.5) which replaces the two tungsten wires mentioned above. The ion current Card 2/ 5



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TSVETAYEV, M.N.

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Controlled positive ion source free of neutral particles. Prib. (MIRA 14:9) i tekh. eksp. 6 no.2:126-128 Mr-Ap '61.

1. Fiziko-tekhnicheskiy institut AN SSSR. (Ion sources)

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TSVETAYEV, N.; ZUYEV, N.

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Differentiate deductions from current accounts of collective farms. Den. i kred. 17 no.2:66-67 F '59. (MIRA 12:5) (Collective farms -- Finance)





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CONTRACTOR OF

TSVETAYEV, N.; BEYZER, P.; YAKERSON, B., kreditnyy inspector; KROL', V.

Effectiveness of State Bank credit in financing the mechanization of production. Den. i kred. 17 no.8:54-59 Ag '59. (MIRA 12:11)

1. Nachal'nik proizvodstvenno-ekspluatatsionnogo otdela Moldavskoy respublikanskoy kontory Gosbanka (for TSvetayev). 2. Machal'nik otdela kreditovaniya predpriyatiy sovnarkhoza Moldavskoy SSR (for Beyzer). 3. Starshiy inzh.-ekonomist Layumskogo parovozoremontnogo zavoda (for Krol').

(Moldavia--Machinery in industry--Finance)

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001757220001-6 计语言记忆 A POINT CONTRACTOR OF THE OWNER TSVETAYEV, N.; BEYZER, P.; KARTELISHEV, V. For a wider dissemination of efficient practice in paying for goods (MIRA 14:12) and services. Den. i kred. 9 no.11:65-69 N '61. 1. Nachal'nik proizvodstvenno-ekspluatatsionnogo otdela Moldavskoy kontory Gosbanka (for TSvetayev). 2. Nachal'nik otdela kreditovaniya predpriyatiy sovnarkhoza Moldavskoy kontory Gosbanka (for Beyzer). 3. Nachal'nik uchetno-finansovogo otdela energoupravleniya Moldavskogo sovnarkhoza (for Kartelishev). (Moldavia---Payment) A DESIGNATION OF A 学家的计算机的关系和主义的问题。

NAME OF GROOM

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3003月368世纪1993 Like Allen Trebukhne Abruk LOSYATINSKIY, A.; TSVETAYEV, N.; NAYENKO, A. Increase the volume of payments by checks in the turnover of payments. Den. i kred. 20 no.11:49-52 N '62. (MIRA 16:1) (Moldavia-Checks)





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TSVETAYEV, V.V., inzh.

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Renovation of rotary cement kilns. Nov.tekh.mont.i spets. rab.v stroi. 21 no.12:23-25 D '59. (MIRA 13:3)

1. Pikalevskoye montazhnoye upravleniye tresta Stroymontazh. (Kilns, Rotary-Maintenance and repair)

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AUTHOR: Bogoslovskiv, K. Ye.	(Moscow); Kireyeva, N. I. (Moscow); Makarevich, G. A.
(Moscow): Tsvetayev, Yu. A. (1	Moscow); Shimarev, S. K. (Moscow); Tarantov, Ye. A.
(Moscow)	
ORG: none	
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TITLE: Investigation of unste	eady flows past models in an electromagnetic shock tube
CONDER AN SEED Trucative 1	Mekhanika zhidkosti i gaza, no. 2, 1966, 108-114
SUURCE: AN SSSR. IZVESTIVA.	Meximitica zniukosti i gaza, nor 2, 1900, 200 224
TOPIC TAGS: experiment aerody	ynamics, electromagnetic shock tube, strong shock wave,
detached shock wave, shock way	ve reflection, supersonic flow
	1
ABSTRACT: An experimental in	vestigation of unsteady flows moving behind strong shock
waves produced by electric dis	scharges past models of various shape was carried out
in an electromagnetic shock to	ube. The purpose of this study was to determine the an unsteady to a steady state in the stagnation-point
time of flow transition from a	etical data on flow parameters behind strong shock waves
The electromagnetic shock tub	e, experimental set-up, instrumentation, and test proce-
dure are described. The resul	Its obtained in an electric discharge shock tube with
wave velocity of the order of	8000 m/sec show that: 1) the obtained dependence of
the nondimensional value of t	he relative shock wave detachment on bluntness as a
function of nondimensional time	me makes it possible to determine the time of the estab-
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Taument C	f the fl	ow near t	he staanat	ion point of	anharoe a	nd outfodow	in flows be-
ind stron	ig shock i	waves; 2)	the expen	rimental val	ues of velo	ocity and pr	essure behind
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oint of a	ulues of spheres a	the relat nd cylind	ive, stead ers with f	y shock-wave lat bluntnee	e detachment s in axial	t from the s	tranation
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TARANTOV, Ye.A.; TSVETAYEV, Yu.A.

Exposure time for high-speed cameras with optical compensation of prisms. Zhur.nauch.i prikl.fot.i kin. 5 no.4:280-283 Jl-Ag '60. (MIRA 13:8) (Photography, High-speed--Exposure)

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如**在国际内的时间**的第三人称单数问题,在中国大学的问题,并且在中国大学的问题。 TSVETAYEV, Yuriy Vladimirovich: TSVETKOVA, V.A., red.; GRAKHOVSKAYA, T.M., red.isd-va; GALAKTIONOVA, Ye.N., tekhn. red. [By automobile through the Caucasus; a guidebook] Na avtomobile po Kavkazu; putevoditel'. Moskva, Avtovransizdat, (MIRA 16:4) 1962. 221 p. (Caucasus-Automobiles-Road guides)

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GORYSHIN, N. I.; TSVETAYEVA, G. F.

Effect of intermittent lighting on the photoperiodic reaction and behavior of the moth Acronycta rumicis L. Trudy PBI no.19:122-135 '62. (MIRA 16:1)

1. Laboratoriya entomologii Petergofskogo biologicheskogo instituta.

(Photoperiodism) (Owlet moths)

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TSVETAYEVA, I.A.

的复数形式 计算机 人名法 计算法分子

Characteristics of feeding habits of the larvae of the spinach leaf miner Pegomya hyoscyami Panz. (Diptera, Anthomyidae) as related to its way of life. Ent. oboz. 42 no.3:481-491 '63. (MIRA 17:1)

1. TSentral'naya karantinnaya laboratoriya Ministerstva sel'skogo khozyaystva SSSR, Moskva.

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Heptachlor in corn protection. Zashch.rast 37 J1-Ag *59. (Corn (Maize) Diseases and pests)	(MIRA 1615) (Heptachlor)

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TSVETAYEVA, I.A., aspirant Damage to beets by the spinach beet miner. Zashch. rast. ot wred. (MIRA 16:7) i bol. 8 no.2:54 F '63. 1. Vsesoyuznyy institut zashchity rasteniy. (Beets-Diseases and pests) - 100

动物植物的 法特别的 计算法分子

KRUG, G.K.; SIRMAY, I.A.; TSVETAYEVA, I.L.

Use of a composite system in the study of complex industrial processes. Trudy MEI no. 59:195-212 \$65.

(MIRA 18:10)

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TSVETAYEVA, I. F. MULTUROVA, M. K., NIMITED, M. I.
Wood - Chemistry
Chemical composition of the wood of the Daurian larch. Zuhr. prikl. khlm. 25 no. 2 (1952)
9. <u>Monthly List of Russian Accessions</u> , Library of Congress, <u>August</u> 1953. Unclassified.

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Card 1/1 Pub. 152 - 15/22 Author : Tsvetayeva, I. P. Title : Study of the hydrolysis of Far Eastern conifers Periodical : Zhur. prikl. khim. 28, 9, 1000-1005, 1955 Abstract : The analytical data showed that the chemical composit of Far Eastern conifers differs from that of the European ones (pentosan-content: 5-7% and 9-11%; galactan-content: 1.2% and 2-3% resp.; the cellulose and lignin contents are about the same). Three table of references, 5 Russian (1945-1953). Institution : None	Chult de att	AID P - 3751 : USSR/Chemistry
 Author : Tsvetayeva, I. P. Title : Study of the hydrolysis of Far Eastern conifers Periodical : Zhur. prikl. khim. 28, 9, 1000-1005, 1955 Abstract : The analytical data showed that the chemical composit of Far Eastern conifers differs from that of the European ones (pentosan-content: 5-7% and 9-11%; galactan-content: 1.2% and 2-3% resp.; the cellulose and lignin contents are about the same). Three table 6 references, 5 Russian (1945-1953). Institution : None 	Subject	: USSR/CHEMISCRY
Title : Study of the hydrolysis of Far Eastern conifers Periodical : Zhur. prikl. khim. 28, 9, 1000-1005, 1955 Abstract : The analytical data showed that the chemical composit of Far Eastern conifers differs from that of the European ones (pentosan-content: 5-7% and 9-11%; galactan-content: 1.2% and 2-3% resp.; the cellulose and lignin contents are about the same). Three table 6 references, 5 Russian (1945-1953). Institution : None	Card 1/1	Pub. 152 - 15/22
Title : Study of the hydrolysis of Far Eastern conffers Periodical : Zhur. prikl. khim. 28, 9, 1000-1005, 1955 Abstract : The analytical data showed that the chemical composit of Far Eastern confers differs from that of the European ones (pentosan-content: 5-7% and 9-11%; galactan-content: 1.2% and 2-3% resp.; the cellulose and lignin contents are about the same). Three table 6 references, 5 Russian (1945-1953). Institution : None	Author	
Abstract : The analytical data showed that the chemical composit of Far Eastern conifers differs from that of the European ones (pentosan-content: 5-7% and 9-11%; galactan-content: 1.2% and 2-3% resp.; the cellulose and lignin contents are about the same). Three table 6 references, 5 Russian (1945-1953). Institution : None	Title	: Study of the hydrolysis of Far Eastern conifers
of Far Eastern conifers differs from that of the European ones (pentosan-content: 5-7% and 9-11%; galactan-content: 1.2% and 2-3% resp.; the cellulose and lignin contents are about the same). Three table 6 references, 5 Russian (1945-1953). Institution : None	Periodical	: Zhur. prikl. khim. 28, 9, 1000-1005, 1955
	Abstract	European ones (pentosan-content: 5-7% and 9-11%; galactan-content: 1.2% and 2-3% resp.; the cellulose and lignin contents are about the same). Three tables
a build a local second se	Institution	: None
Submitted : No date	Submitted	: No date

TSVETAYEVH, I.P.

Tsvetaeva, I.

Distribution of Daurian-larch-wood gum. p. 211.

BIOLOGICHESKAIA NAUKA: SELSHOMU L LASNOMU. (Latvijas PSH Zinatnu Akademija Biologijas Zinatnu nodala) Riga, Latvia, No. 16, 1958. In Mussian.

Monthly list of East European Accessions (EEAI) LC, Vol. ϑ , No. ϑ , August 1959. Uncl.





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TSVETAYEVA, I.P.; LYSYAK, N.K.

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Determination of the changes in the degree of polymerization of wood pulp during the initial stages of cooking process using the direct nitration of wood. Zhur.prikl.khim. 38 no.681340-1345 (MIRA 18:10) Je 165.

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行其他思想的问题。

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TSVETAYEVA, I.P.; PASKEROVA, Ye.D.

Repair and the press of the set.

Change in the composition of arabogalactan of Siberian larch as dependent on the conditions of its extraction from the wood. Zhur.prikl.khim. 35 no.5:1128 1132 My '62. (MIRA 15:5) (Arabogalastans) (Extraction (Gnemistry)) (Larch)

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NIKITIN, Nikolay Ignat'yevich. Prinimali uchastiye: ABRAMOVA. Ye.A., starshiy nauchnyy sotr., kand. khim. nauk; AKIM, E.L., inzh.tekhnolog; ANTONOVSKIY, S.D., dots., kand. tekhn. nauk; VASIL'YEVA, G.G., inzh.-tekhnolog; ZAYTSEVA, A.F., starshiy nauchnyy sotr., kand. tekhn.nauk; KLENKOVA, N.I., kand. tekhn. nauk; MALEVSKAYA, S.S., kand. khim. nauk; NIKITIN, V.N.starshiy nauchnyy sotr., kand. fiz.-mat. nauk; OBOLENSKAYA, A.V., kand. tokhn. nauk, dotsent; PETROPAVLOVSKIY, G.A., starshiy nauchnyy sotr., kand. tekhn. nauk; PONOMAREV, A.N., kand. tekhn. nauk, dots.; SOLECHNIK, N.Ya., prof., doktor tekhn. nauk; TOKAREV, B.I., inzh.; TSVETAYEVA, I.P., kand. tekhn. nauk; CHOCHIYEVA, M.M., kand. tekhn. nauk; ELIASHBERG, M.G., doktor tekhn. nauk; YUR'YEV, V.I.; KARAPETYAN, G.O., red.izd-va; ZAMARAYEVA, R.A., tekhn. red.

> [Wood chemistry and cellulose] Khimiia drevesiny i tselliulozy. Moskva, Izd-vo Akad.nauk SSSR, 1962. 711 p. (MIRA 15:2)

1. Chlen-korrespondent Akademii nauk SSSR (for Nikitin). 2. Zaveduyushchiy kafedroy fizicheskoy i kolloidnoy khimii Losotekhnicheskoy akademii (for Yur'yev).

(Cellulose)

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教育者者的学校的中心中的

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Of the Question about the Influence of the Carrier of Blood Stains and the Time of its Storage in Reaction of (izogemong glyutinatsii)

Dissertation for candidate of a Medical Science degree. Chair of Legal Medicines (head, prof. L.B. Leytman) Saratov Medical Institute, 1951

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Jourahan, R., F.

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Tsvetayeva, N. P. - "Contagious enteritis of demostic and wild cats," Trudy Nosk. zcoparka, lol. I., 1949, p. 241-69, - Litliog: 14 items

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, Ho. 15, 1949)

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Card 1/2			D-1270
Card 1/2		Pub. 137-7/17	
Author	:	Tsvetayeva, N. P., Candidate of Veterinary Sciences	
Title	:	Some questions on the pathology and diagnosis of dictyocaulosis sheep	in
Periodical	:	Veterinariya, 10, 39-44, Oct 1954	
Abstract		Development of dictyocaulus in sheep depends on the biology of la of Dictyocaulus filaria. Pathologically the chronic stage of dic caulosis is characterized by spread of catarrhal-desquamative bro with collapse of bronchial wall or by adenomatous growth of bronce epithelium, bronchiectasis, hypertrophy of muscular walls, perior atelectasis, and emphysema. The first or acute stage of dictyoca lasts 34-47 days; the second or chronic stage lasts several month examining lamb for presence of so-called nonspecific pneumonia, in necessary to consider possible presence of early stages of dictyoca	ctyo- onchitis chial conchitis, ulosis ns. In t is
Institution	:	all-Union Inst. Helminthology in . K-1. Skryebin -	

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: Veterinariya, 10, 39-44, Oct 1954 Periodical

: Diagnosis of chronic dictyocaulosis. Diagnosis of chronic dictyo-Abstract caulosis is based on discovery of Dictyocaulus larvae in the excrement. Eosinophilia of tissues is an invariable symptom of the disease. Illustrations.

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TSVETAYEVA, N.P., Kand. voter. nack; VANILIYEV, days, Kand. voter. mark Restorative processes in the organize of guese after emidestimate. Trudy VIGIS 101_2.60168 463. ATEA 17:9/

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BELOKUROVA, M.A.; TSVETAYEVA, N.Ye.; KULICHENKO, M.N.; IVANGVA, L.A. Measurement of radioactivity on the surface of aqueous solutions. Atom. energ. 18 no.3:296-298 Mr 165. (MIRA 18:3)



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TSVETAYEVA, N. P.

"The pathogenic behavior or helminths at different stages of development."

report to be submitted at the 17th World Veterinary Congress, Hanover, West Germany, 14-21 Aug 63.

TSVETAYEVA, N.P., kand.veterinarnykh nauk

Pathomorphological changes in the intestines of ducks infected with Filicollis anatis. Trudy VIGIS 6:338-346 '59. (MIRA 15:5) (Parasites---Ducks) (Filicollis)

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Pathomorphologic changes in sheep in dictyocaulosis. Trudy VIGIS 6:347-373 '59. (MIRA 15:5) (Dictyocaulus) (ParasitesSheep)

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TSVETAYEVA, N.P., kand.veterinarnykh nauk

Pathomorpholgy of Plagiorchis infection in chickens. Trudy VIGIS 6:374-386 '59. (MIRA 15:5) (Plagiorchis) (Poultry-Diseases and pests)

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AUTHORS :	Dmitriyevskaya, T.I., Kravtsev, V.V. and Tsvetayeva, N.Ye.
TITLE :	Application of <u>End-Window Counters</u> in the Measurement of Low Beta-Activities
PERIODICAL:	Pribory i tekhnika eksperimenta, 1960, Nr 2, pp 38-40 (USSR)
ABSTR: J':	The present authors discuss the possibility of using end-window counters manufactured in the Soviet Union in the measurement of low beta-activities. It is well known that the background in end-window counters is largely due to external gamma-fields (including the soft component of the cosmic radiation), the hard component of cosmic radiation, and traces of radioactive materials in the counters and the screen. In the present work, the external gamma-field was almost entirely excluded by a steel screen 180 mm thick, and the hard component of cosmic radiation was eliminated with the aid of a screen consisting of Geiger counters in anti- coincidence with the working counter (Fig 1). In Fig 1, 1 is the working counter, 2 and 3 are screening
Card 1/3	counters (MS-9), 4 is a perspex cover and 5 is a /

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Application of End-Window Counters in the Measurement of Low Beta-Activities

> support for the working counter. It is shown that if the glass from which the counters are made has a potassium concentration of less than 0.1% and use is made of quartz diaphragms, which screen the working volume from the counter head and the mica window, the counter background can be considerably reduced. When such counters are used in conjunction with the anticoincidence screen mentioned above, concentrations of the order of 10^{-7} curies/litre of C^{14} and 5 x 10^{-10} curies/litre of Sr90-y90 can be determined to an accuracy of \pm 15%. This corresponds to the maximum permissible concentration of Sr90-Y90, in water. A comprehensive table is given of various types of Soviet counters and their natural background. Acknowledgment is made to S.P.Tselishchev and A.B.Dmitriyev for advice and assistance, to V.S.Izhevskiy and Ye.A.Verney for carrying out chemical analysis of the glass and to S.I.Abakumov, L.A.Rozenfel'd and others for taking part in the present work. There

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	82878
	S/120/60/000/02/009/052 E032/E414
Application Beta-Activ	n of End-Window Counters in the Measurement of Low ities
	are 2 figures, 1 table and 7 references, 2 of which are Soviet and 5 English.
SUBMITTED:	February 14, 1959
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"这个社会社会会和任何的问题,我们都不是在这些社会的问题,我们就是我们的社会和任何 TSVETAYEVA, N, YE. 82**030** S/056/60/038/02/47/061 B006/B014 24.6800 AUTHORS : Tsvetayova, N. Ye., Rozenfel'd, L. A. Investigation of the <u>Beta Radiation</u> of <u>Nb⁹⁵</u> and <u>Ce¹⁴⁴</u> by the Method of Absorption in Air $\sqrt{4}$ TITLE: PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960, Vol. 38, No. 2, pp. 641 - 643 TEXT: The β -radiation of Nb⁹⁵ has repeatedly been examined spectrometrically. The resulting energy values differ by up to 20%. The writers of the present "Letter to the Editor" studied this radiation by a method described in Ref. 5. The resulting absorption curve of β -radiation in air is illustrated in Fig. 1. It was obtained by a change in the atmospheric pressure between the counter (of the type \underline{T} -25 $\underline{D}\Phi \overline{J}$ (T-25 $\underline{B}FL$))² and the preparation within the range ~ 0 and 800 torr. The empirical function $K(E_0)$ was determined, where K = I(p=0)/I(p=1 atm) - (Fig. 2) - ; for K_{Nb}^{β} = 8.75 the β -radiation energy of Nb⁹⁵, E₀, was (0.166±0.004) Mev. IH. Card 1/2

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S/056/60/038/02/47/061 Investigation of the Beta Radiation of B006/B014 Nb⁹⁵ and Ce¹⁴⁴ by the Method of Absorption in Air The β -radiation of Ce¹⁴⁴ was studied by the same method. Fig. 3 shows the absorption curve of β -radiation of Ce¹⁴⁴+ Pr¹⁴⁴. The β -radiation of $\Pr^{144}(E_{s}-3Mev)$ was separated from the sum of the two β -radiations by means of absorption in an aluminum foil. The curve of absorption in Al was extrapolated for zero thickness of the foil. The coefficient of Ce¹⁴⁴ absorption in air, K, was equal to 3.35. This is in contrast with the β -component found by other research workers (~0.3 Mev; 0.3 Mev corresponds to K = 2.30). The energy $E_0 = (0.168 + 0.032)$ Mev was determined from the $K(E_{o})$ curve and a formula derived in Ref. 5. In addition to the 0.3-MeV component, at least a softer one must exist the fraction of which is estimated to be (40+12)%. This is in agreement with the results furnished by other authors (Refs. 8-10). There are 3 figures and 10 references: 4 Soviet and 6 American. SUBMITTED: September 29, 1959 Card 2/2 教育法院 推行的 建活动分子

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TSVETAYEVA, N.Ye.; ROZENFEL'D, L.A.

"包括我们的时代也以后来是有关的问题。"

直接运行的工具

Investigating the β -radiation of Nb⁹⁵ and Ce¹⁴⁴ by absorption in the air. Zhur.eksp.i teor.fiz. 38 no.2:641-643 F ¹⁶⁰. (MIRA 14:5) (Niobium--Isotopes) (Cerium-Isotopes) (Beta rays)

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ROZENFEL'D., L.M., kand.tekhn.nauk; TESLER, P.A., kand.tekhn.nauk; <u>INVERTEVA. R.A. inzh.</u> Using ashes from thermoelectric power plants in housing construction. Trudy MIIZHB no.8:158-171 '59. (MIRA 13:4)
1. Nauchno-issledovatel'skiy institut betona i zhelssobetona Akademii stroitel'stva i arkhitektury SSSR. (Lightweight concrete) (Berezniki--Precast concrete construction)

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和学校和学校、王家学校学校的和学校、新学校的教育学校中学

BURLACHENKO, G.A., prof., TSVETAYEVA, T.A., dots. Observations on cardiac changes in acute physical stress. Vest.rent. (MIHA 11:8) i rad. 33 no.3:65 Hy-Je '58 1. Iz kafedry rentgenologii i radiologii (zav. prof. G.A. Burlachenko) Khar'kovskogo meditsinskogo instituta (dir. - dotsent., I.F. Konenenko) i kafedry fizicheskogo vospitaniya (zav. - dots. T.A. TSvetayev) Pediatricheskogo instituta (dir. dots. I.P.Demet'yev). (HEART, physiol. radiography (Rus)) (STRESS, eff. acute phys. stress on heart (Rus)) roentgenokymography of heart, eff. of exercise (Rus)) (KYMOGRAPHY, (EXERCISE, effects, on heart roentgenokymography (Rus))

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GINZBURG, F.S.; TSVETAYEVA YeaMa; PAYATSYK, V.V., redaktor; BENENSON, A.N., redaktor; RCZEN, E.A., tekhnicheskiy redaktor

[Let us increase the production of potatoes and vegetables; an annotated bibliography] Uvelichim proizvodstvo kartofelia i ovoshchei; annotirovannyi ukazatel' literatury. Moskva, Gos. izd-vo kul'turnoprosvetitel'noi lit-ry, 1956. 36 p. (MLRA 9:11)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni
V.I.Lenina.
(Bibliography--Potatoes)

(Bibliography--Vegetable gardening)

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Effect of organomineral granules on cabbage yields in northern districts. Dokl. Akad. sel'khoz. 21 no.8:24-27 '56.

(MIEA 9.10)

1. Berezovskaya sel'skokhozyaystvennaya opytnaya stantsiya. Predstavleno akademikom I.I. Samoylovym. (Russia, Northern--Cabbage) (Fertilizers and manures)

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: USSR Country Q : Farm Animals. Category General Problems. Abs. Jour : Ref Zhur-Biol., No 21, 1958, 96816 : Tsvetayeva, Ye. H. Author Institut. -----: Urea as a Partial Protein Substitute in Animal. Title Rations (Review of Foreign Literature). Orig Pub. : Zhivotnovodstvo, 1957, No 9, 84-88 Abstract : No abstract. 1/1 Card: NATURAL STREET, STREET

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APPROVED FOR RELEASE: 04/03/2001

Attentes 12, til 1 SOV-3-58-10-22/23 Kudryavtseva, A.A., Candidate of Agricultural Sciences, and AUTHOR: Tevetayeva, Ye.M., Senior Scientific Worker The Golitsyn Advanced Agricultural Courses for Women (Vys-TITLE: shiye zhenskiye golitsynskiyesel'skokhozyaystvennyye kursy) Vestnik vysshey shkoly, 1958, Nr 10, pp 91 - 95 (USSR) PERIODICAL: The authors give a review of female education in pre-revol-ABSTRACT: utionary Russia and turn then to the Golitsyn Higher Agricultural Courses for Women which were established 50 years ago. They give an account of its development up to 1922 when the courses were merged with the Timiryazev Agricultural Academy. There are 8 Soviet references. Card 1/1

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بالمربس فساريا وارابتها سودانها المتدود ال

BARYSHEVA, M.D.; TRULEVICH, V.K.; TUL'ZHENKOVA, F.F.; TSVETAYEVA, Ye.M.; POSTRELOVA, T.A., red.

> [Vegetable and potato growing in the Far North; bibliographic index for 1932-1957] Ovoshchevodstvo i kartofelevodstvo na Krainem Severe; bibliograficheskii ukazatel' 1932-1957 gg. Leningrad, 1959. 51 p. (MIRA 13:11)

1. Moscow. TSentral'naya nauchnaya sel'skokhozyaystvennaya biblioteka.

(Russia, Northern--Vegetable gardening) (Russia, Northern--Potatoes)

APPROVED FOR RELEASE: 04/03/2001

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CIA-RDP86-00513R001757220001-6

SOV/138-59-4-7/26

AUTHOR: Isvetayeva, Ye. M.

TITLE: Relation Between the Chemical Nature of Plasticizers and Their Activity During Regeneration of Rubbers (Zavisimost' mezhdu khimicheskoy prirodoy myagchiteley i ikh aktivnost'yu pri regeneratsii reziny)

PERIODICAL: Kauchuk i Rezina, 1959, Nr 4, pp 23-29 (USSR)

ABSTRACT: This article deals with concepts on the structure of active plasticizers and the mechanism of their action. The plasticizing action, in conjunction with the effect on the strength of the regenerated rubber, is defined as the regenerating action of the plasticizer. Experiments were carried out on the effect of various plasticizers on the plasticity and strength of regenerated rubber from SKS-30A rubber (Table 1). The experimental conditions were as follows: 45% weight/volume of plasticizer; thermal pro-cessing was carried out for 6 hours at 180°C, in an aqueous medium; the product was subsequently dried for 4 hours at ∞ a temperature of 60 to 70°C and a residual pressure of 10 mm Hg. 100 to 120 g of the regenerated rubber was subsequently processed on laboratory rollers for 5 minutes. It was observed that in most cases the relative elongation of the regenerated rubber was dependent on the activity of

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SOV/138-59-4-7/26

Relation Between the Chemical Nature of Plasticizers and Their Activity During Regeneration of Rubbers

"esults confirmed that the degree the plasticizing agent. of unsaturation and the cyclic structure of the plasticizer affected the plasticizing activity of the same. Cyclisation of the plasticizer also affects the strength of the regenerated rubber. A liquid product, obtained by the pyrolysis of rubber, was used for preparing a product with an increased content of cyclic groups by treating the starting material with a 10% concentrated sulphuric acid solution and subsequent distillation in an atmosphere of nitrogen in order to separate the light fractions. In this way the molecular weight of the heavy fractions was reduced and substances insoluble in petroleum ether were obtained, This indicates that the fraction has a higher content of cyclic groups which is partly due to the isomerising action of the sulphuric acid, and also to the cleavage of aliphatic side groups during high-temperature Card 2/4 distillation (400 to 500°C). Analyses, carried out by

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Relation Between the Chemical Nature of Plasticizers and Their Activity During Regeneration of Rubbers

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R.I. Sidorova showed that the content of cyclic groups increased from 58 to 75%. The physical and chemical characteristics of the plasticizer are tabulated in "able The strength of the regenerated rubber does not only 3. depend on the ratio of cyclic and aliphatic groups in the plasticizer, but also on the presence of polar groups in it. This assumption was verified by carrying out exper-iments with SKS-30A and SKB rubbers. Experimental conditions were as follows: the substance was processed for 4 hours at 150°C, in an aqueous medium whilst using 50% weight/volume of plasticizer. The vulcanisate was dried for 4 hours at 60 to 70°C, at a residual pressure of 10 mm Hg. The relative effect of cyclic and aliphatic groups in the plasticizer was tested by dividing the compounds into three groups: 1) plasticizers with aliphatic structure; 2) plasticizers with complex structure and 3) plasticizers with cyclic structure. Data in Table 4 indicate that the regenerated rubber shows greater strength when the dielectric strength of the plasticizer is increased. The effect of the polarity of the plasticizer is understandable when taking into account the fact that

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Relation Between the Chemical Nature of Plasticizers and Their Activity During Regeneration of Rubbers

> no pure hydrocarbons are contained in the rubber, but that the polar groups contain sulphur, nitrogen and oxygen atoms. The swelling and regeneration of rubber proceeds at an even rate when plasticizers containing polar groups are used, and this leads to an increased strength of the regenerated rubber. The presence of polar groups in the plasticizer also increase the forces of inter-molecular action in the regenerated rubber. The regenerating action of plasticizers of different chemical structure is tabulated in Table 5. The interrelation between the structure and action mechanism of an active plasticizer is shown in a graph.

> There are 5 tables, 1 figure and 11 references, 9 of which are Soviet and 2 English.

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti (Tyre Industry Research Institute)

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sov/26-59-5-26/47 30(1) Tsvetayeva, Ye.M. (Moscow) AUTHOR: Growth of Plants on Artificial Nutrient Media TITLE: Priroda, 1959, Nr 5, pp 100 - 102 (USSR) PERIODICAL: The author states that basic factors of plant life (light, air, warmth, moisture and nourishment) can ABSTRACT: be regulated and, therefore, artificial plant cultivation is not only feasible but may result in better crops and in earlier ripening. The author refers to the experiments in the artificial growing of cucumbers, tomatoes and other plants, carried out by Professor V.A. Chesnokov, Ye.N. Bazyrina, N.A. Kholodkov, T.P. Golyatina, F.F. Tul'zhenkova and G.Geyssler. (GDR). There are 2 photographs. Card 1/1 **安全計測測調整計畫。與這些合同的語言是是認識。**由于1000

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VADIKOVSKAYA, L.M.; KIRILLOV, G.N.; KOZLOVA, M.M.; CHZHAO, A.Ye.; TYUTCHEVA, F.M., red.; TSYETATEVA, Ye.M., red.; POLESITSKAYA, S.M., tekhn.red.

> [Plant growing; recommended literature] Rastenievodstvo; rekomendatel'nyi ukazatel' literatury. Moskva, M-vo kul'tury RSFSR, 1960. 245 p. (MIRA 13:10)

1. Moscow. Publichnaya biblioteka. (Bibliography--Agriculture)

APPROVED FOR RELEASE: 04/03/2001

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S/138/60/000/012/008/009 A051/A027

AUTHORS: Tsvetayeva, Ye. M., Sidorova, R.I., Drugovskaya, M.N., Shokhin, I.A.

TITLE: Synthetic Softeners for the Reclaiming of Rubber Produced From the Products of Its Pyrolysis

PERIODICAL: Kauchuk i rezina, 1960, No.12, pp. 31-34

TEXT: The authors have developed a method for the production of a polymer from rubber oil, which can serve as an active softener in rubber reclaiming. The method also helps to deodorize the rubber oil. Mention is made of the method presently used in the USSR for the production of rubber oil, containing 90% of compands, which react with strong H_2SO_4 (Ref.2) (Fig. 1). The medium and heavy fractions of the oil contain more of these compounds than the light ones. Since the oil contains 80% of medium and heavy fractions with the greater unsaturation, this product can be processed without preliminary fractionating. The method developed by the authors is described as follows: 98% H_2SO_4 (12 w.p.) is poured into an apparatus

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Synthetic Softeners for the Reclaiming of Rubber Produced From the Products of Its Pyrolysis \searrow

equipped with a mixer and a jacket, in which the rubber oil (100 w.p.) is vigorously mixed for 20-30 min, at a temperature of $10-25^{\circ}$ C in small portions. Then the mixing continues for 2-3 hours more at the same temperature. After holding 4-5 hours the acidic petroleum asphalt is let out of the apparatus and the remaining oil is processed a second time with H_2SO_4 (10 w.p. based on the initial oil). The second asphalt let out after holding of 16-20 hours is mixed with the first one. The purified oil is washed with hot water 3-4 times and is neutralized with a 0.5% solution of NaOH at 60-70°C. Then a second washing with water is done. Due to this processing an oil is produced with an odor of kerosene. The water is separated from the oil by heating for 2-3 hours at 80-95°C. The formed acidic asphalt is washed 4-5 times with hot water and is then neutralized with a 10% solution of NaOH at 60-70°C, whereby the alkali solution is introduced in 4-5 portions. Each portion is about one quarter of the asphalt volume. The reaction of the last rinsing water should be neutral or weakly acidic. The obtained organic

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Synthetic Softeners for the Reclaiming of Rubber Produced From the Products of Its Pyrolysis.

mass (subsequently called polymer) contains up to 40% of emulsion water, the main quantity of which can be separated after heating for 3-4 hours at 90-95°C. In order to produce a well-deodorized polymer, it is suggested distilling the volatile components at 130-140°C. The described method can be recommended for industrial use. The polymer yield was 46% and the deodorized oil 43% of the initial oil. The deodorized oil as compared to the non-processed one has a lower iodine number and contains less sulfur. The increase in the molecular weight, viscosity, specific gravity and relative content of heavy fractions when processed with sulfuric acid points to the fact that the deodorized oil contains also polymers in addition to unchanged components of the non-processed oil. The latter differ from polymers passed into the asphalt by lesser polarity and unsaturation. A conclusion is drawn that when processing rubber oil with sulfuric acid together with other processes dehydro- and hydropolymerization take place (Ref. 3). It was also seen that the deodorized oil contrary to the initial oil contains sulfur in the form of odorless compounds. When heated under atmospheric Card 3/6

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Synthetic Softeners for the Reclaiming of Rubber Produced From the Products of Its Pyrolysis

pressure, these sulfur compounds begin to decompose at a temperature of 150°C forming substances with an unpleasant odor. When heating the oil mixture with rubber and rubber chunks even at 190°C no odor is noted. The polymer obtained from the asphalt is found to contain more hetero-atoms (especially sulfur and oxygen) than the non-processed and deodorized oil. In the deodorizing process the quantity of oxygen in the oil even increases somewhat. It is concluded that the increase in the quantity of the hetero-atoms in the polymer can take place as a result of the extraction of compounds with hetero-atoms from the oil with sulfuric acid and the formation of new polar compounds by sulfurization of certain components of the oil. Due to a lower iodine number the deodorized oil differs from the non-processed oil by a lowered masticating action. Both oils do not have sufficient intensifying action due to a low content of polar compounds in them (Ref.4). It is pointed out, therefore, that these oils can be used in rubber reclaiming only in combination with more polar softeners. The polymer is said to

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Synthetic Softeners for the Reclaiming of Rubber Produced From the Products of Its Pyrolysis

be a very active reclaiming agent, easily used without any addition of other softeners. The reclaimed rubber thus obtained has good physico-mechanical indices and an elevated chloroform extract. It also has a lowered acetone extract. The polymer samples and the deodorized oil were tested at the Chekhovskiy regeneratnyy zavod (Chekhov Reclaiming Plant) under semiindustrial conditions in reclaiming tire rubber by the water-neutral method. The results corresponded well with laboratory findings. It is pointed out that the deodorized rubber oil is not recommended as a universal softener, as it is applicable only to the reclamation of rubber not requiring very large amounts of softener. An estimation of the cost showed that the polymer would be twice as low in cost (1,000 rubles/ton) as the applied combined softener in most plants based on Arkhangel'sk pine resin and fuel oil. There are 5 tables and 4 Soviet references.

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti i Chekhovskiy regeneratornyy zavod (Scientific Research Institute of the Tire Industry and Chekhov Reclaiming Plant).

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Synthetic Softeners for the Reclaiming of Rubber Produced From the Products of Its Pyrolysis

Fig. 1 Relationship between the unsaturation of the rubber oil fraction and the molecular weight.



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ARNOL'DI, I.A.; TSVETAYEVA, Ye.M.

Review of discussions. Probl. Sev. no.6:234-247 '62. (MIRA 16:8)

(Russia, Northern-Acclimatization-Congresses) (Russia, Northern-Nutrition-Congresses)

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IOBANOV, P.; EMEZHNEV, D.; OL'SHANSKIY, M.; LYSENKO, T.; LISAVENKO, M.;
SINYAGIN, I.; YAKUSHKIN, I.; PREZENT, I.; VARUNTSYAN, I.; KOLESNIKOV,
V.; YEVTUSHENKO, A.; ZASYADNIKOV, T.; ALISOV, M.; UTEKHIN, A.;
GORSHKOV, I.; HELOKHONOV, I.; VIDENIN, K.; KARPOV, G.; CHERNENKO, S.;
BAKHAHEV, A.; TIKHONOVA, A.; KUZ'MIN, A.; BUZULIN, G.; TOLMACHEV, I.;
LYSYUK, Ye.; KHARITONOVA, Ye.; KUSHNIRENKO, M.; NOVOPAVIOVSKAYA, N.;
ZHIRONKIN, I.; KATSURA, O.; KIRYUKHIN, I.; NIKITIN, B.; <u>TSVETAYEVA, Z.;</u>
ARKHIPOV, B.; OSTAFENKO, V.; IVANOV, V.; BUTUZOV, V.; BUTUZOV, V.;

P.N. IAkovlev; obituary. Agrobiologiia no.6:119 N-D '57. (MIRA 10:12) (IAkovlev, Pavel Nikanorovich, 1898-1957)

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VASIL'YEV, M.V.; V'YUKHINA, A.S.; DORONENKO, Ye.P.; ZEBZIYEV, K.V., kand. tekhn. nauk; LATS, V.M.; PARFENOV, G.V.; POPOV, V.Ye.; TROITSKIY, D.P.; FADDEYEV, B.V.; TSVETAYEVA, Z.N.; ZUHRILOV, L.Ye., kand. tekhn. nauk, otv. red.; MAKAROVA, N.U., red.; PAL'MIN, M.Z., tekhn. red.

> [Evaluation and the prospects of the development of the mineral resources for ferrous metallurgy in Chelyabinsk area] Otsenka i perspektivy razvitiia syr'evoi bazy chernoi metallurgii Cheliabinskogo raiona. Sverdlovsk, AN SSSR, 1964. 67 p. (MIRA 17:4)

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Types of mining industry centers in northern Kazakhatan. Vest. Mosk. un. Ser. 5: Geog. 20 no.6:47-50 N-D '65.

(MIRA 19:1)

TSVETAYEVA, Ye.M.; GLUSHNEV, V.Ye.

性物质发展的现在分词 1.54.3 12.7 20年代11.

Methods of synthesis and modification of softeners for rubber reclaiming. Kauch. i rez. 24 no.11:19-22 '65. (MIRA 19:1)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti i Institut neftekhimicheskogo sinteza AN SSSR.

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TSVETAYEVA, Ye.M.; AVRAAMOVA, L.S., red.

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