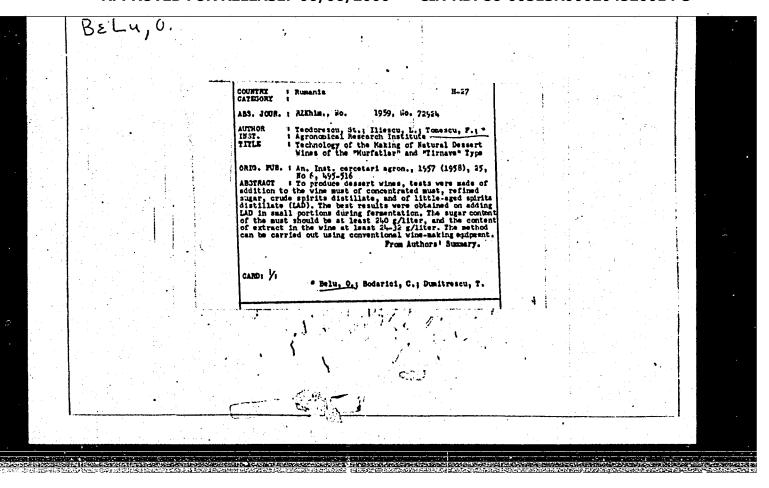
"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204520014-3



BELU, O.; LEPADATU, V.

Modification of the physicochemical characteristics of graces artificially infected with <u>Botrytis cinerea</u>, p. 467.

COMUNICARILE. Bucuresti. Vol. 9, no. 5, May 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960. Uncl.

BELUBEKOV, A.A.; MASTERKOV, A.M.; MOSINYAN, S.A.; REZNIK, B.A.

Strengthening the bottom zones of gas wells by gravel filters.

(MIRA 18:11)

Gaz. prom. 10 no.9:53-56 '65.

Prospective business. Sov. potreb. koop. no.1:26-28 Ja '58.

Prospective business. Sov. potreb. koop. no.1:26-28 Ja '58.

(MIRA 11:1)

1. Starshiy okhotoved Amu-Dar'inskogo ondatrovogo proskhoza.

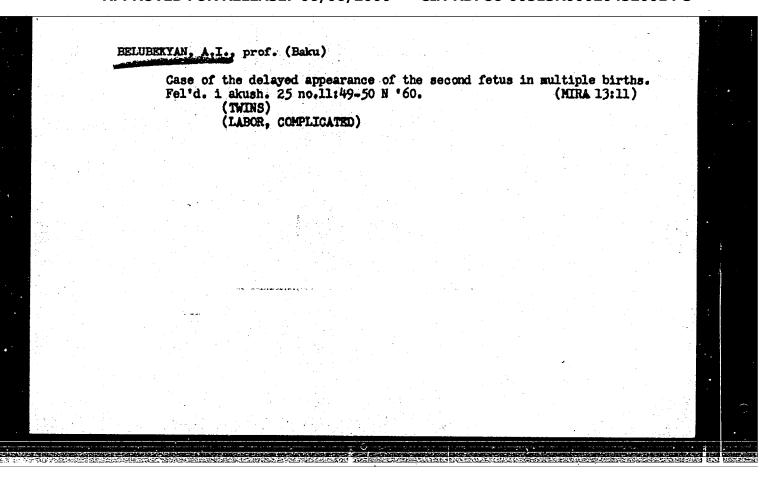
(Amu Darya Valley--Muskrats)

BELUBERYAN, A.I., prof.; GUSEYNOV, A.G., prof.

Improvement of oxygen therapy for parturients, in asphyxiation of the fetus and newborn infants. Azerb.med.zhur. no.11:84-87 H 159.

(MIRA 13:4)

l, Iz akusherskoy kliniki (zav. - prof. A.I. Belubekyan) Azerbaydzhanskogo gosudarstvennogo instituta usovershenstvovaniya vrachey i iz rodil'nogo otdeleniya klinicheskoy bol'nitsy im. Dzhaparidze. (OXYGEN--THERAPEUTIC USE) (ASPHYXIA)



BELUBEKYAN, A.I.; NAZARLI, S. Kh.

Asphyria and birth injury in the futus and newborn infants and their prophylaxis. Azerb. med. zhur. no.9:6-12 S *62 (MIRA 18:1)

BELUEEKYAN, A.I.

Management of labor following a cesarean section according to clinical material for 8 years. Azerb. med. zhur. 41 no.8: 33-37 Ag '64. (MIRA 18:11)

BELUBEKYAN, A.I.

Antenatal death of the fetus and the role of women's consultations in its prophylaxis. Azerb. med. shur. 42 no.8:50-55 Ag '65. (MIRA 18:11)

BELUBEKYAN, M.V.

Boundary layer in a conducting fluid in the presence of a longitudinal magnetic field. Inzh.-fiz. zhur. 6 no.8:97-105 Ag '63. (MIRA 16:10)

1. Politekhnicheskiy institut imeni M.I.Kalinina, Leningrad.

SOURCE CODE: UR/0424/66/000/006/0050/0056

AUTHOR: Bagdasaryan, G. Ye. (Yerevan); Belubekyan, M. V. (Yerevan) ORG: Institute of Mathematics and Mechanics, Academy of Sciences, Armenian SSR (Institut matematiki i mekhaniki AN ArmSSR) TITLE: Flutter of a cylindrical shell in a flow of a compressible conductive fluid in presence of a magnetic field SOURCE: Inzhenernyy zhurnal. Mekhanika tverdogo tela, no. 6, 1966, 50-56 structure structure TOPIC TAGS: cylindric shell, shell flutter, dynamic shell stability, magnetic field, and the finition, aero magneto flutter, aero elastic flutter, stell vilration,

ACC NR. AP7002691

ABSTRACT: The dynamic stability of an infinite circular cylindrical shell is investigated in an outer longitudinal supersonic flow of an electrically perfectly conductive inviscid gas with a certain undisturbed velocity at infinity. Inside the shell the gas is at rest under pressure equal to that of the undisturbed gas flow. There is an outer magnetic field parallel to the shell axis. The investigation is carried out assuming the validity of the following assumptions: 1) Kirchhoff-Love hypothesis on nondeformable normals; 2) conventional simplifications

in the theory of shells with a large index of variation; 3) disregard of the electromagnetic effects in the shell; 4) equality to unity of the magnetic and dielectric permeabilities of the gas and of the shell material; 5) correctness of the Maxwell equations for the vacuum in the inner space of the shell. The following initial **Card** 1/2

ACC NR: AP7002691

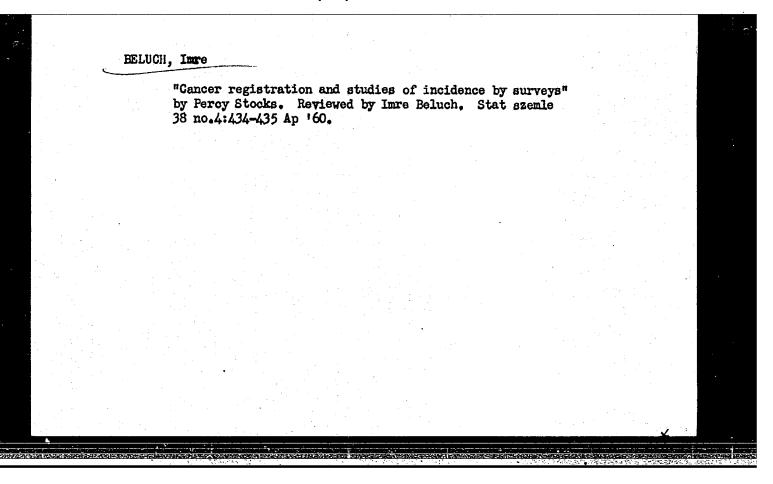
equations and relationships are used in accordance with these assumptions: a) the equations of magnetogasdynamics for the outer space of the shell; b) the equation of the shell motion; c) an expression for the normal component of the outer surface load; and d) the equations of the magnetic and electric fields in the vacuum. Equations (a) and (d) are linearized on the assumption that the disturbances are small, and linearized equations (e) are obtained which describe the states in the outer and inner spaces of the shell and satisfy the boundary conditions on both surfaces of the vibrating shell. A characteristic equation is obtained (by a simultaneous solution of equations (a) to (e)) from which the natural frequency w and the divergence speed U (by putting w = 0) of the shell can be determined. The effects of Mach and Alfven numbers, of the rate of elastic wave propagation V, and of magnetic field intensity on U are mentioned. The condition of attaining the flutter speed Mf, as well as instability regions of the shell are discussed, and an expression for M_f in the case when V < U is derived. Orig. art. has: 3 figures and 43 formulas. [WA-52]

SUB CODE: 20/ SUBM DATE: 31Aug66/ ORIG REF: 004/

Card 2/2

Derivation of the equations for a magnetohydrodynamic boundary layer. Trudy LPI no.230:107-110 '64.

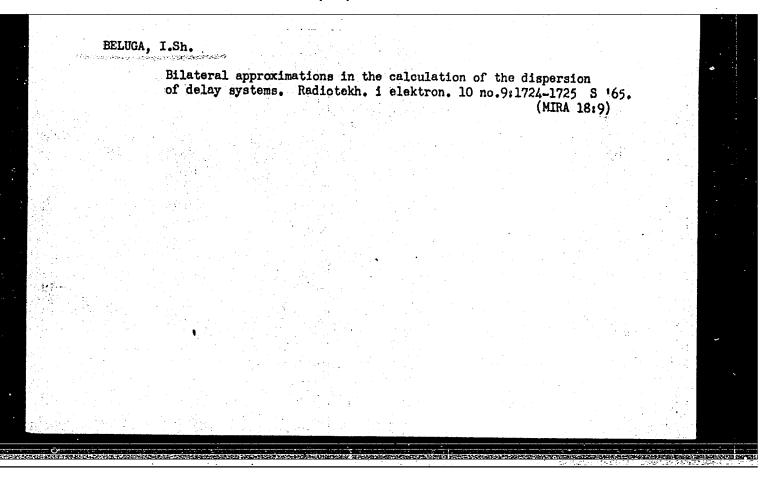
(MIRA 17:6)



I. SH. BELUGA and A. K. BRYUKHOVA

"Investigation of Some Delay Systems of the Pin Type" from Annotations of Works: Completed in 1955 at the State Union Sci. Res. Just; Pin. of Radio Engineering Ind.

So: B-3,080,964



hysokoy chastoty noe on Superhigh-Frequency Elec- 1955. Z71 p. 3,500 copies londinyy sovet po radiofizike i radio- recessor, and Ye. G. Solov'yav, Zd.: S. Aziming Tech. Ed.: Ed.: S. Aziming Tech. Ed.: Ed.: S. Aziming Tech. Ed.: Technology called by the On Electronics called by the On Electronics called by the On Electronics called by the Confirming Media by the Confirming Media by the Confirming Media by the Confirming Media by the Confirming Terical Klystrons Thadiophysiss and Fadio Engines- the following topies: problems whigher to Plaid for Travelling the following topies: problems topies of Pocusing a Periodic action With a Field of Wave- litivire Line With Rectangular the delay following topies the following topies: Caseade Electron Bunching tronics of the Reflex Klystron ROZ Tronics of the Reflex Klystron ROZ Tronics of the Reflex Bunching tronics of the Reflex Safferency Tronics of the Reflex Traveluency pling New High-Efficiency Rypes for Superhigh-Prequency Propagation of Electron Tronics of the Reflex Traveluency Tronics of the Reflex Traveluency The Rypes for Superhigh-Prequency Tronics of the Reflex Traveluency The Rypes for Superhigh-Prequency Tronics of the Reflex Traveluency The Rypes for Superhigh-Prequency Tronics of the Reflex Traveluency Tronics of the Reflex Traveluency The Rypes for Superhigh-Prequency The Rypes for Superhigh-Prequency The Rypes for Superhigh Traveluency The Rypes for Superh	
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06338

AUTHOR: Beluga, I. Sh.

SOV/141-2-1-10/19

TITLE:

Calculation of the Field of Transverse Electromagnetic

Waves in Rodded Delaying Systems

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika,

1959, Vol 2, Nr 1, pp 84 - 93 (USSR)

ABSTRACT: The wave admittance and the amplitudes of two spatial harmonics are calculated in a multi-wire line with

conductors of rectangular section. These parameters are of fundamental importance in studies of the dispersion and coupling impedance in slow-wave structures. In previous publications, (R.C. Fletcher - Ref 1 and J.C. Walling - Ref 3) the field between the conductors has been assumed uniform and the results yielded prove to be unacceptable (errors in the parameters considered may be 100% for L=1 in Figure 1). The formulae found in here, taking non-uniformity into account, are 4% in error when p/1 > 1 and exact when $p/1 \rightarrow \infty$. The formal definition of wave admittance in terms of current and potential is Eq (1), which applies to both the one- and two-dimensional structures

of Figures 1a and 16, respectively. The current depends on

Card1/3

06338

SOV/141-2-1-10/19

Calculation of the Field of Transverse Electromagnetic Waves in Rodded Delaying Systems

> the integral round the conductor section of the normal component of electric-field strength and consists, in the two-dimensional case, of the components of Eq (5). The second two terms allow for edge effects. These latter may be calculated in terms of "edge-capacitances" and use conformal transformations as in Figure 2. The and use conformal transformations as in figure 2. The wave admittances, using these capacitances, are Eqs (8), (9) (line a) and Eq (10) (line δ). The edge capacitances depend on L, 1 and W in Figure 2a and are listed in Tables 1a and 16. Which table is used depends on whether $\eta > f(\mu)$ or $\eta < f(\mu)$, where $f(\mu)$ is plotted in Figure 3. In the formulae quoted in the tables, θ indicates Jacobi's theta-function. Table 3 lists simplified formulae giving errors no greater than 1.24. The conditions attending the use of these than 1.2%. The conditions attending the use of these formulae are given in the lefthand column. It should be noted that formulae (8) to (11) for wave admittance are based on the approximate Eq (5). The greatest error occurs when $\phi=0$, $\varphi=\pi$, $\mu=1$. Compared with the exact

Card2/3

06338 SOV/141-2-1-10/19

Calculation of the Field of Transverse Electromagnetic Waves in Rodded Delaying Systems

formula the maximum errors for p/l = 1.5, 1.0 and 0.5 are respectively 0.8%, 3.8% and 16.8%. Table 5 gives formulae for calculating the amplitudes of spatial harmonics. The appropriate conformal transformation is in Figure 5. The author thanks A.I. Sharko for assistance in computer programming. There are 5 figures, 5 tables and 5 references, of which 2 are Soviet, 1 French and 2 English.

SUBMITTED:

July 30, 1958

Card 3/3

9.1590

S 141/61/004/004/013/024 E1 x0/E435

AUTHOR:

Beluga, I.Sh.

TITLE:

Calculation of resonator delay systems by the

electrostatic equivalent method'

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika,

v.4, no.4, 1961, 689-702

TEXT: The author attempts to avoid difficulties and inaccuracies of previous attempts to calculate the basic characteristics of resonator delay systems by taking into account the field in the plane of the tips of the "comb", calculated in the approximation of infinite depth of comb and infinite distance of the comb from any Satisfaction of the Floquet condition is conducting surface. Design formulae are obtained for various cases, such as linear and radial, with slots in the outer or inner regions of the bounding circle. There are 5 figures, 4 tables and 11 references: 5 Soviet-bloc, 4 Russian translations from non-Soviet publications and 2 non-Soviet. The 3 references to English language publications read as follows:

Ref. 2: W. Kleen, Electronics of microwave tubes, Academic Press Inc., New York, London, 1958;

Card 1/2

Calculation of resonator delay ... S/141/61/004/004/013/024 E140/E435

Rsf.5: W.Walkinshaw, J. Appl. Phys., v.20, 634 (1949); Ref.11: P.M.Morse and H.Feshbach. Methods of Theoretical Physics, 1953. Russian translation v.1, IL, M., 1958.

SUBMITTED: September 10, 1960

Card' 2/2

S/141/61/004/005/013/021 E025/E135

AUTHOR:

Beluga, I.Sh.

TITLE :

Multiwire lines composed of round conductors

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, v.4, no.5, 1961, 942-954

This paper was presented at the Conference MV and SSO TEXT USSR on Radioelectronics, Khar'kov, 1960. The solution of the electrostatic problem equivalent to the calculation of the fundamental wave of a multi-conductor line formed from ideal conductors of circular cross-section arranged so that their cross-sections form a two-dimensional oblique lattice is considered. The potentials and fields are assumed to satisfy Flock's conditions. The solution of the problem is obtained by replacing each charged contour by a system of charges and multipoles located at its centre derived from a Laurent expansion and summing these over the lattice. The field due to a single column of charges is first calculated, then, by summation of columns, that due to the lattice of point charges. The fields due to systems of multipoles are calculated similarly. Card 1/2

Multiwire lines composed of round ... \$\frac{5}{141}\frac{61}{004}\frac{005}{013}\frac{021}{E025}\frac{E135}{E135}\$

The wave impedance, losses due to non-uniformity of current on the contours (proximity effect) and the amplitudes of the spatial harmonics are calculated. Tables are given showing the effect of the number of terms taken and of the spacing of the conductors in the lattice on the error produced by taking only a given finite number of terms of the expansion.

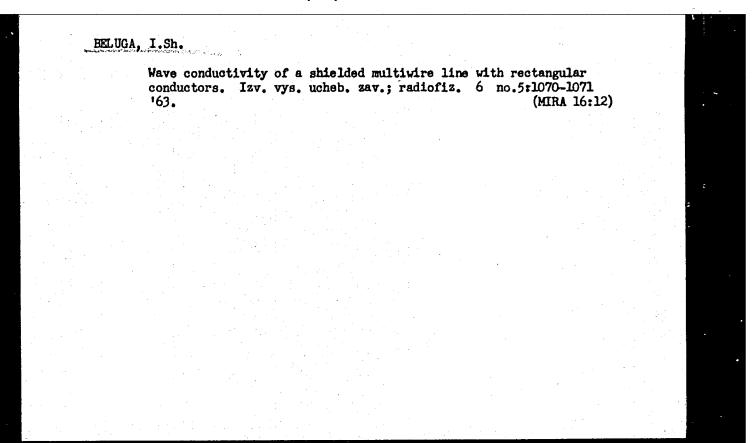
There are 1 figure, 3 tables and 10 references; 6 Soviet-bloc, 1 Russian translation of non-Soviet publication, and 3 non-Soviet-bloc. The English language references read as follows; Ref. 4; Chiao-Min Chu, J. Appl. Phys., v. 29, 88 (1958).

Ref. 6; J.C. Walling, J. Electronics and Control, v. 3, 239 (1957), SUBMITTED; January 19, 1961

Card 2/2

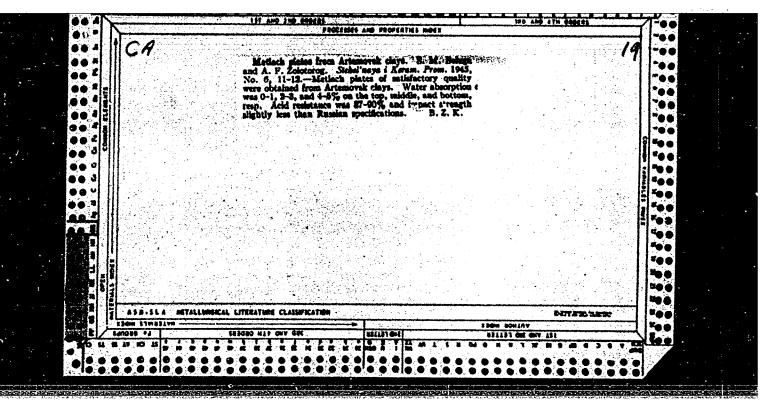
BELUGA, I.Sh.

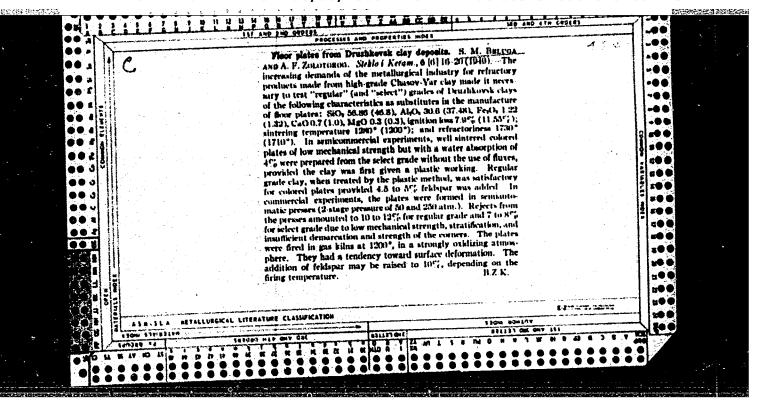
Two-dimensional periodic multiwire line containing N cylindrical conductors in the cell. Izv. vys. ucheb. zav.; radiofiz. 6 no.4:738-751 *63. (MIRA 16:12)

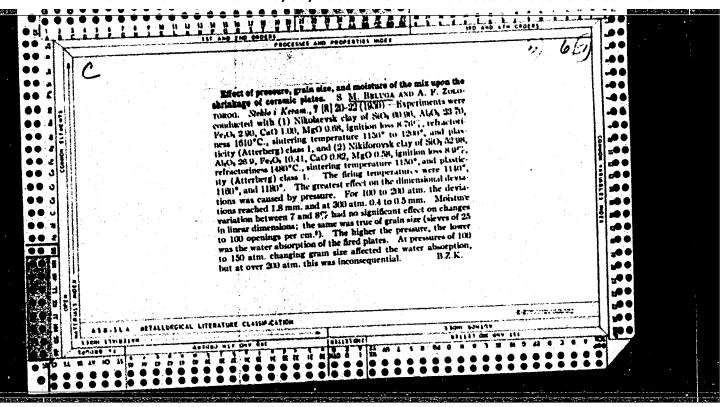


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	Methods of parfunctionals.	rtial regions Radiotekh. i	based on the elektron. 9	steady-state o no.3:459-468	f some Mr '64. (MIRA 17:4)	

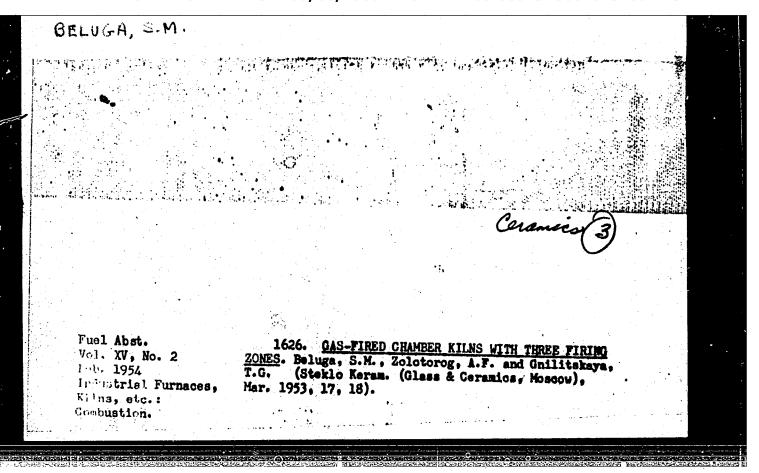
ACC NRI AP6027690 SOURCE CODE: YU/0006/66/000/01-/0045/0055 (Graduate ongineer; Cracow) AUTHOR: Boluch, Jozof-ORG: nono TITIE: Polish shortwave telemotor og-l" SOURCE: Geodetski list, no. 1-3, 1966, 45-55 TOPIC TAGS: telemetry equipment, goodesy/OG-1 telemetry equipment ABSTRACT: Following a brief survey of the existing electronic telemeters produced in various Western and Eastern countries, the author concentrates on the description of the Polish shortwave telemeter designed in 1962 at the Department of Radiology of the Warsaw Polytechnic. The instrument is presently in widespread use in Poland for geodesic measurements in the 100 m to 15 km range. The article presents the general description of the instrument, its principles of operation, principles of measurement, technological data, and data processing procedures. The last section deals with the use of the Telemeter OG-1 in geodesic work. The standard deviation of the instrument is $M_s = \pm (3 + 5.10^{-6} D_w \text{ km}) \text{ cm}$; basic measuring frequencies - 15, 13.5, and 14. 14.85 Mc; carrier wave frequency - 8.8 to 9.7 Gc; warm-up time 10-25 min; power supply 12 V, 37 Ah battery; weight of one station unit with antenna - 11.4 kg; stable operation within the -10°C to + 35°C limits. Orig. art. has: 5 figures, 5 formulas and 5 tables. [JPRS: 36,844] SUB CODE: 09. 08 / SUBM DATE: none







Production of ornamental floor tiles. Stek. i ker. 9 no. 6, 1952



BELUGA S.M.

AUTHOR:

None Given

72-2-19/20

TITLE:

For the Industry of Ceramics - a Progressive Technology (Kerami-

cheskoy promyshlennosti - peredovuyu tekhnologiyu).

PERIODICAL:

Steklo i Keramika, 1958,

Nr 2, pp. 46-47 (USSR)

ABSTRACT:

A technical conference of the functionaries of the ceramic industry took place in Khar'kov in December 1957, which was organized by the Ukrainian administration of the Scientific-Technical Society of the building material industry and the Ministry of Building Material Industry of the Ukrainian SSR. The conference was attended by functionaries of the works producing ceramics in the Ukraine and the Russian Federation, the Economic Councils of Stalinsk and Khar'kov, the state-controlled offices for Economic Planning of the USSR, the RSFSR, and the Ukrainian SSR, the Building- and Building-Material Department of the TsK KPU and of the Scientific Research- and Planning Institutes. The results obtained in the Ukrainian Ceramic Industry and prospects for the future were discussed. Particular attention was paid to the utilization of progressive experience in the industry as well as to the introduction of new technical methods,

Card 1/4

high-efficiency equipment, and a progressive technology.

For the Industry of Ceramics - a Progressive Technology

72-2-19/20

- 1.) I.I.Moroz (Minister for the Building Material Industry of the Ukrainian SSR) delivered a report on the work and the prospects of the ceramics industry.
- 2.) A.A.Kopeykin (Director of the NIIstroykeramiki) spoke about the work carried out by his institute. He was reproached for talking too much about future plans and too little about work already completed.
- 3.) A.A. Grebennik (Head of the PKB NIIstroykeramiki), after his report, was criticized for the same reasons as Kopeykin.
- 4.) Dudnik (TaKB MPSM Ukrainian SSR, Khar'kov) spoke about the introduction of new equipment and assembly lines.
- 5.) N.I.Dikerman (Chief Engineer of the Administration of the Mosstroymaterialy) stated that the efficacy of the brick charging devices for tunnel kilns at present no longer corresponds to the increased efficiency of the kilns.
- 6.) A.N.Lyutenko (Chief Engineer of the Administration of the Economic Council, Khar'kov) spoke about production reserves of plants.
- 7.) S.M.Beluga (Chief Engineer of the Metlakh Tile Works, Khar' kov) spoke about the mechanization of production.

Card 2/4

For the Industry of Ceramics - a Progressive Technology

72-2-19/20

- 8.) L.K.Parnovskiy (Director of the Ceramics Factory, Lvov) spoke about success achieved in production.
- 9.) P.Ye. Andrianov delivered a report on the ceramics industry of Italy.
- 10.) M.D.Abramovich (Director of the Combined Plant "Keramik" at Kiyev) spoke about the organization of the production of mosaic tiles.
- 11.) S.M.Brekhovskikh (Chief Specialist for Glass of the Gosplan USSR) criticized the lack of reports concerning the stage of furnace technology.
- 12.) A.N.Lyutenko, G.A.Soldatov, S.M.Beluga, M.V.Gordyga and F.K.Perre reported on the unfavorable situation of the raw material sector, which impairs the delivery of high-quality raw materials to factories and plants.

Decisions were made for the purpose of improving industrial work, for the purpose of reducing time needed for smelting and drying, with a view of speeding up mechanization and improving the quality of products, as well as of increasing production and reducing initial costs.

Card 3/4

For the Industry of Ceramics - a Progressive Technology

72-2-19/20

AVAILABLE:

Library of Congress

Card 4/4

BELUGA, S.M.; VUL'FSON, D.A.

Continuous rotary mills. Suggested by S.M.Beluga, D.A.Vul'fson. Rats.i izobr.v stroi. no.9:89-91 '59. (MIRA 13:1)

1. Glavnyy inshener Khar'kovskogo savoda metlakhskikh plitok
Khar'kov, ul.Kotlova, d.67 (for Beluga). 2. Glavnyy mekhanik
Khar'kovskogo savoda metlakhskikh plitok Khar'kov, ul.Kotlova,
d.67. (for Vul'fson).
(Milling machinery)

Multipurpose manda	rel cutting-tool h (Lathes)		roitel no.8:26 (MIRA 14:	7)
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MAGAZANIK, S.S.; KHILEVSKIY, K.V.; BELUGIN, A.A.; SAL'NIKOVA, K.I.

"Use of physical factors and physical exercise therapy in the compound treatment and prevention of some diseases." A.N.Obrosov. Reviewed by S.S.Magazanik and others. Vop.kur.fizioter. i lech. fiz.kul't. 21 no.1:80-81 Ja-Mr '56. (MLRA 9:9)

(PHYSICAL THERAPY) (OBROSOV, A.N.)

BELUGIN, A.A.; NIKITINA, L.F.

Scientific session of the Sverdlovsk Scientific Research Institute of Physical Therapy. Vop.kur.fizioter. i lech.fiz.kul't. 21 no.3: 88-94 J1-S '56. (HIRA 9:10) (PHYSICAL THERAPY)

Observations of ultraviolet erythema in tumors, abscesses, and cysts of the brain. Zhur. nevr. 1 psikh. 56 no.3:262-264 156 (MIRA 9:7) 1. Nervnaya klinika Sverdlovskogo nauchno-issledovatel'skogo instituta fisicheskikh metodov lechentya i kurortologii Ministerstva zdravookhraneniya RSFSR. (ERAIM, diseases, diag., ultraviolet erythema as diag. sign (Rus)) (ULTRAVIOLET RAYS, ultraviolet erythema as diag. sign in brain dis. (Rus)) (SKIN, ultraviolet erythema as diag. sign in brain dis. (Rus))

Steven, D.G.; KHILEVSKIY, K.V.; BRILLOIN, A.A.

Mechanism of the development and clinical role of ultraviolet

Mechanism of the development and clinical role of ultraviolet erythema. Vop.kur.fisioter. i lech.fis.kul't. 22 no.6:15-21 N-D '57. (MIRA 11:2)

1. Iz Sverdlovskogo nauchno-issledovstel'skogo instituts kurortologii i fizioterapii (dir. - kandidat meditsinskikh nauk N.V.Orlov)
i iz Sverdlovskogo gosudarstvennogo meditsinskogo instituta (dir.
prof. A.F.Zverev)

(ULTRAVIOLET RAYS--PHYSIOLOGICAL EFFECT) (SKIN)

BELUGIN, A.A.

Observations on ultraviolet erythema in epilepsy. Vop.kur.fisioter.i lech.fiz.kul't. 25 no.1:43-47 '60. (MIRA 13:5)

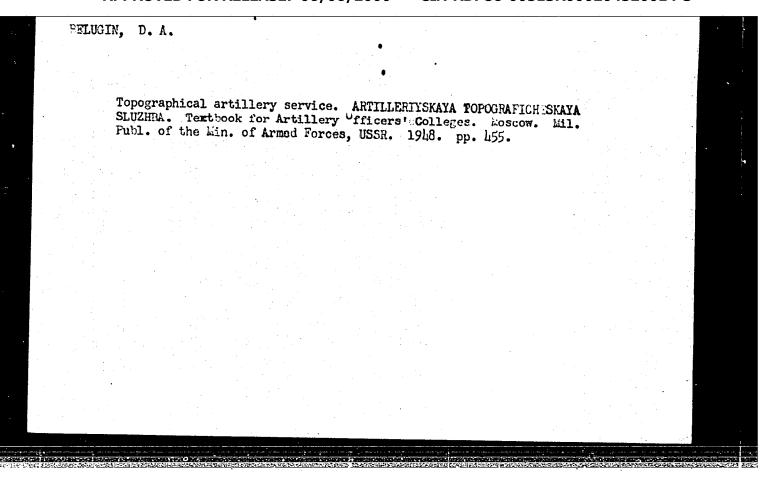
1. Iz Sverdlovskogo instituta fizicheskikh metodov lecheniya Ministerstva z dravockhraneniya RSFSR. (EPILEPSY) (ULTRAVIOLET RATS--PHYSIOLOGICAL EFFECT)

	ACC NR: AR6000101 SOURCE CODE: UR/0058/65/000/008/A015/A016		
N.	SOURCE: Ref. zh. Fizika, Abs. 8A145 AUTHORS: Belugin, A. F.; Leonova, L. M.; Osipova, V. N.; Smirnova, I. A.		
	ORG: none		
	TITLE: The SPV-1 spectrovisor	Ä	
	CITED SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 2, vyp. 1, 1964, 635-642		
	TOPIC TAGS: spectrophotometry, spectrum analysis, continuous spectrum recording.		
	TRANSIATION: An automatic high-speed spectrophotometer-spectrovisor SPV-1 was de-		
	veloped, intended for the investigation of the intermediate products of substances that change during the course of time. The working range of the instrument is 220-		
	1000 nm. The recorder employed was a cathode-ray tube. The recording rate can be		
	set equal to 15 or 7.5 nm/sec, depending on the complexity of the investigated spectrum. Provision is made in the spectrovisor for connecting an EPP-09 automatic re-		
	corder, in which case the spectrum-registration speed is 4 mm/sec.		
	SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 000/ OTH REF: 000	•	
1	[일일로] 등 말로 살아가지 않았다고 말면서 한 병원들은 불리 사는 모시 모시 입니까요? 등 말았다.		
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ANASTASIADI, A.P.; BOROVSKIY, V.R.; VYBORNOV, G.V.; KOPELYANSKIY, G.D.; MAK, I.L.; PECHURO, S.S.; PIYEVSKIY, I.M.; RACHEVSKAYA, K.D.; REYZNER, Yu.B.; RYBAK, L.L.; TSEPELIOVICH, M.R.; SHUMAKHER, L.I.; YUSHKEVICH, M.O.[deceased]; AGEYENKO, Yu.G., nauchnyy red.; BELUGIN, A.T., nauchnyy red.; KOGAN, G.S., nauchnyy red.; KRZHEMINSKIY, S.A., nauchnyy red.; MITSKEVICH, M.I., nauchnyy red.; SILENOK, S.G., nauchnyy red.; TRILESNIK, Z.Ye., nauchnyy red.; ZUBAREV, K.A., glav. red.; TROFIMOV, I.P., red.; SKRAMTAYEV, B.G., glav. red.; BALAT'YEV, P.K., red.; KITAYEV, Ye.N., red.; KITAYGORODSKIY, I.I., red.; ROKHVARGER, Ye.L., red.; KHOLIN, I.I., red.; CHERKINSKAYA, R.L., red.; RODIONOVA, V.M., tekhn. red.

[Manual on the production of gypsum and gypsum products] Spravochnik po proizvodstvu gipsa i gipsovykh izdelii. [By] A.P. Anastasiadi i dr. Pod red. K.A.Zubareva. Moskva, Gosstroi-izdat, 1963. 464 p. (MIRA 16:7) (Gypsum) (Gypsum products)



BELUGIN,	D. P.		11/5 21.3.05
RELUCIN, D	R		.Ph
Uchilishch (Artillery	rumental INaya Razvedka; Uche Recommaisance, by) D. A. Be	hnik Dlya Artilleriyskikh elugin, V. YA. ZVEREV I V.	N. DANILIN.
Moskva, Voyenizdat, 1 483 p. Illus., Diagra Bibliography: p. 478.	1950. 3., Tables.		
			'

polkovnik; DANILIN, V.N., inzhener-polkovnik; VORCE YEV, P.A. polkovnik, redaktor; KONOVALOVA, Ye.K., tekhnicheskiy redaktor.

[Artillery reconnaissance by instruments; a tertbook for artillery schools] Artilleriiskaia instrumental'naia rasvedka; uchebnik dlia artilleriiskikh uchilishch. Moskva, Voen.isd-ve M-va obor.SSSR, 1956. 483 p. (MIRA 10:6)

(Military reconnaissance)
(Artillery, Field and mountain)

BELUGIN, Dmitriy, Aleksandrovich, kandidat voyennykh nauk, polkovnik sapasa;

BELUGIN, Dmitriy, Aleksandrovich, kandidat voyennykh nauk, polkovnik sapasa;

Mintysmy, A.M., red.; Strel'Mikova, M.A., tekhn.red.

[Artillery topographic service; a mammal for artillery schools]

Artilleriskaia topograficheskaia sluzhba; uchebnik dlia artilleriskth uchillshch. Isd. 2-e, perer. i dop. Moskva, Voen.izd-vo M-va obor. SSSR, 1957. 591 p.

(Millary topography) (Artillery)

(MIRA 11:2)

Furniture finishing with grained paper-base films. Der.prom. 9 no.4:20 Ap '60. (MIRA 13:9)

1. Moskovskaya mebel'naya fabrika Bo 14. (Wood finishing)

BELUGIN, V.

Improve the organization of husiness correspondence in State Bank establisments Den. 1 kmel. 11 no. 6, 1952

S/570/61/000/019/008/008 B107/B104

AUTHOR: Belugin, V. F.

PITLE: Monthly forecast of maximum usable frequencies for the F2 layer

in the form of world charts in Moscow time

SOURCE: Akademiya nauk SSSR. Institut zemnogo magnetizma, ionosfery

i rasprostraneniya radiovoln. Trudy, no. 19 (29), 1961, 140-150

TEXT: Predictions of maximum usable frequencies and the respective critical frequency foF2 for the F2 layer can be given in various forms: (1) As a function of the geographical latitude and daytime for a certain geographical longitude; to get an idea of conditions on the whole globe, a set of such zonal charts is used. (2) As a function of geographical longitude and latitude for a certain time, i. e., world charts. This representation has the advantage that the maximum usable frequency can immediately be found by corresponding charts. Since January 1961, the IZMIRAN has therefore been publishing forecasts in the form of world charts in Moscow time. Two methods of designing such charts have become known: (1) (Ref. 5: C. M. Minnis. J. Atm. Ter. Phys., 3, N 2, 124, 1953) Card 1/3

Monthly forecast of maximum usable...

\$/570/61/000/019/008/008 B107/B104

Forecasts given by ionospheric research stations are entered for local time into a chart, and the isolines are drawn; from the chart, the foF2 values for areas of equal geographical longitude and latitude are determined, and entered into charts for a certain world time. (2) (Ref. 6: CCIR, Doc. 9-th Assembly, VI/73-E, Geneva 1958) The chart is compiled immediately in Moscow time or world time for which purpose the daily foF2 response for the individual ionospheric research stations is also taken into account. In 1959, the author suggested a simplified method of making monthly forecasts of the IZMIRAN as follows: The stations give their predictions with respect to two meridians, namely, 111 west latitude. In between, interpolation is performed at 30° intervals along the geomagnetic latitude. Forecasts obtained in along the geomagnetic latitude. Forecasts obtained in this manner have been published tentatively for July, August, and October 1959, regularly since January 1960. Comparisons with 5-month predictions for individual zones showed that approximately 90% of the data deviated by 0 - 0.5 Mc/sec only. Comparisons with British forecasts (Ref. 2, see below) and measured values also showed good agreement. There are 6 figures, 2 tables, and 7 references: 2 Soviet and 5 non-Soviet. The four most recent references to English-language publications read as follows: Ref. 2: Card 2/3

Monthly forecast of maximum usable...

S/570/61/000/019/008/008 B107/B104

Predictions of radio wave propagation conditions, Department of Scientific and Industrial Research, England, 1960; Ref. 3: Ionospheric predictions series S. Commonwealth of Australia Department of Interior, 1956 - 1960; Ref. 4: World maps of F2 critical frequencies, maximum usable frequencies, for 4000 km, August, 1958, Tokyo; Ref. 6: CCIR, Doc. 9-th Assembly, VI/73-E, Geneva, 1958.

Card 3/3

PELUGIN, V.F.; PLANOVSKIY, A.N.

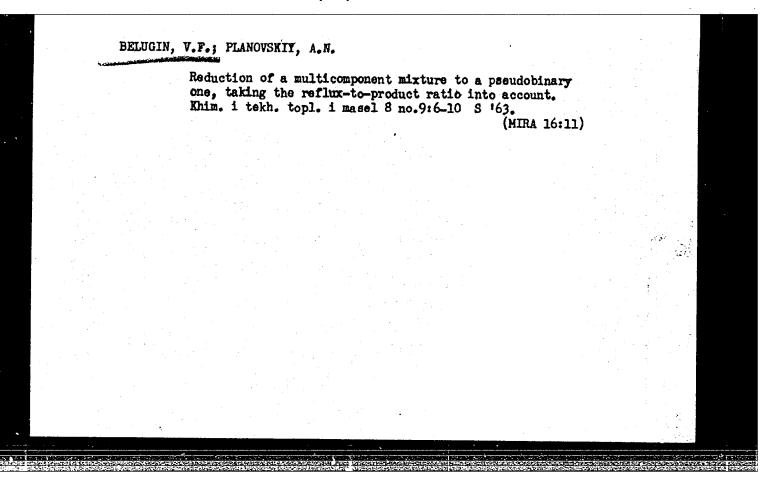
Diagram t-x-y for multicomponent mixtures. Khim. i tekh. topl. i masel 10 no.219-13 F 165. (MIRA 18:8)

1. Moskovskiy institut khimicheskogo mashinostroyeniya.

BELUGIN, V.F.: PLANOVSKIY, A.N.

Reducing multicomponent mixture to a pseudobinary. Diagrams T - Y, X and X -Y. Khim. i tekh. topl. i masel 8 no.7:36-40 Jl '63. (MIRA 16:7)

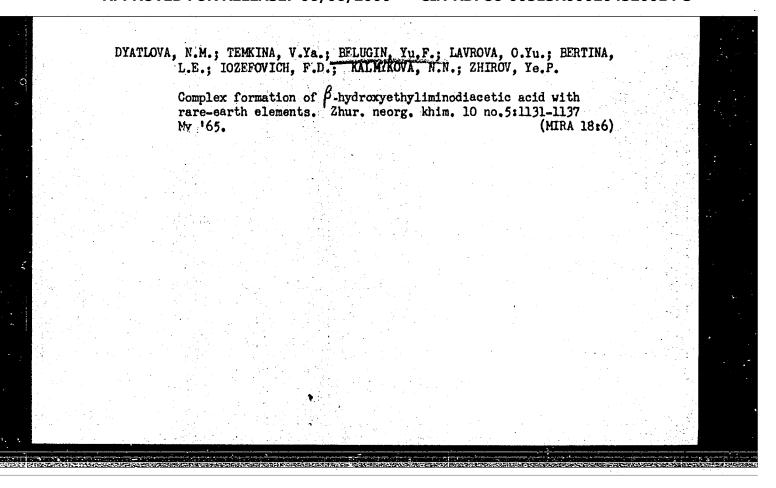
1. Moskovskiy institut khimicheskogo mashinostroyeniya.
(Distillation, Fractional)
(Phase rule and equilibrium)



DYATIOVA, N.M.; BEILIGIN, Yu.F.

Certain remarks concerning the applicability of B'errum and Schwatzenbach's methods for calculating the constants of dissociation of acids. Trudy IREA no.25:374-384 '63.

(MIRA 18:6)



L 53047-65 ENT(m)/EMP(t)/EMP(b) IJP(c) JD/JG

ACCESSION NR: AP5012970 UR/0078/65/010/005/1131/1137 546.65:541.49+661.863/.868.7

AUTHOR: Dyatlova, N. M.; Temkina, V. Ya.; Belugin, Yu. F.; Lavrova, O. Yu.; 20 Bertina, L. E.; Iozefovich, F. D.; Kalmykova, N. N.; Zhirov, Ye. P.

TITLE: Complexing of beta-hydroxyethyliminodiacetic acid with rare earth elements

SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 5, 1965, 1131-1137

TOPIC TAGS: beta-hydroxyethyliminodiacetic acid, rare earth complex formation, dysprosium separation, yttrium separation, rare earth element, complex compound

ABSTRACT: The authors studied the capacity of β-hydroxyethyliminodiacetic acid to form complexes with rare earth elements, determined the composition of the complexes formed, and calculated the instability constants of the latter and the dissociation constants of the complexing agent. Such quantitative characteristics of complex-forming processes facilitate the determination of optimum conditions of separation and purification of rare earth elements. The appreciable differences between the instability constants of the complexes show that this complexing agent can be used for the separation of rare earth metals. The difference in the px of

Card 1/2

	L 53047-65		
Ti y.	ACCESSION NR: AP5C1297 the complexes of dysprosince it exceeds any proments involving the sep Dy_2O_3 by means of β -hyd found that as the atomic	sium and yttrium, equal to 0.71, is pa evious value attained with other compl aration of a binary mixture containing roxyethyliminodiacetic acid were very c number of the rare earth metal incre rply at first (from lanthanum to europ (from europium to lutetium). Crig. ar	exing agents. Experi- $308 \text{ Y}_2\text{O}_3$ and 708 successful. It was ases, the stability of dium , then remains
	SUBMITTED: 16Sep63	ENCL: 00	SUB CODE: IC,GC
	NO REF SOV: 003	OTHER; OLL-	
	62.B Card 2/2		
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EVT(m)/EVP(j)/T Pc-4 L 57010-65 UR/0020/65/161/003/0607/0610 ACCESSION AR: AP5010582 AUTHORS: Dyutlova, H. E.; Kabachnik, H. I. (Academician); Medved', T. Ta.; Rudomino, M. V.; Belugin, Iu. TITLE: Peopliarities of complex formation of phosphoorganic complexing agents SOURCE: AN SSSR. Doklady, v. 161, no. 3, 1965, 607-610 TOPIC TAGS: phosphonic acid, complex compound, chelate, metalorganic compound ABSTRACT: The complexing properties of ethylendiaminobismethylphosphonic acid (I), athylendiaminobisisopropylphosphonic acid (II) and subylenediaminobismethylphosphonic -itacetic acid (III) have been investigated. From potentiometric titration curves the second section of the sec having a double betaine structure. Complex formation with the cations Mg, Ca, Sr, Cu, Ni, Co, Zn, En, Fe⁺³, Be, Y, La, Pr, Nd, Sa, Eu, Od, Tb, Dy, Ho, Er, Tu, Yb, Lu was studied. The px values of the soids were determined. Formation of hydrogen complexes was observed for a 1:1 composition of components with all cations with the exception of the alkali earth cations. For Fe+3, Cr, il, Ko, Th, and the rare earth elements the formation of hydroxy complexes was observed. The rare earth elements Card 1/2

L 57010-65

ACCESSION NR. AP5010582

J.

and Th form in presence of excess reagent compounds of type We(H2X)2. Phosphoorganic complexing agents form especially stable hydrogen complexes as compared with carboxyllic complexing agents. Orig. art. has: 1 table, 3 graphs, and 5 formulas.

ASSOCIATION: Institut khimicheskikh resttivov i osobo chistykh khimicheskikh veshchestv (Institute of Chemical Reagents and High Purity Eatter): Institut elementoorganicheskikh soyedinaniy, Akademii nauk SSSR (Institute for Organoslamental Compounds, Academy of Sciences SSSR)

SUBMITTED: 04Fov64

EECL: 00

STEE CODE: OC

NO REF SCT: 005

OTHER: 009

Card 2/2

BELUCIN, Yu.V.

Ways of analyzing regularities in changes in the physical properties of rocks. Geofiz. issl. i probl. neftegaz. iuga Sib. plat. no.2:218-223 '62. (MIRA 15:8) (Rocks—Testing)

KOLOVERTNOV, G.D.; BORESKOV, G.K.; DZIS'KO, V.A.; POPCV, B.I.; TARASOVA, D.V.; BELUGINA, G.G.

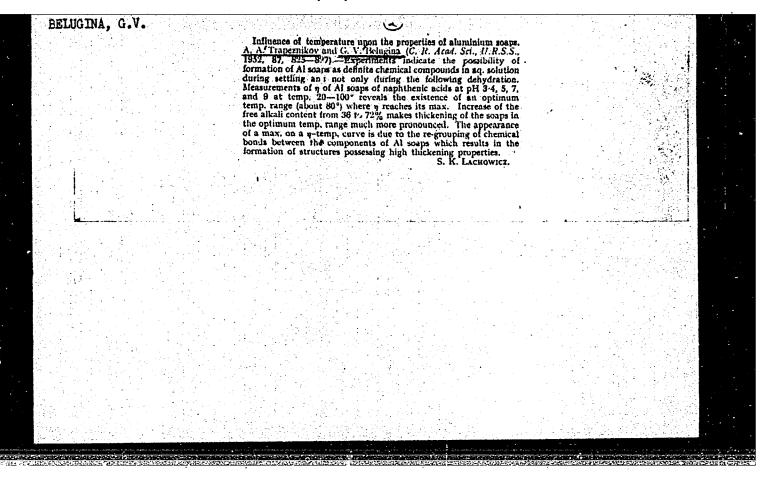
Tron-molybdenum exide catalyst of methanol exidation to formaldehyde. Part 1: Specific activity as a function of the catalyst composition. Kin. i kat. 6 no. 6:1052-105% N-D *65 (MIRA 19:1)

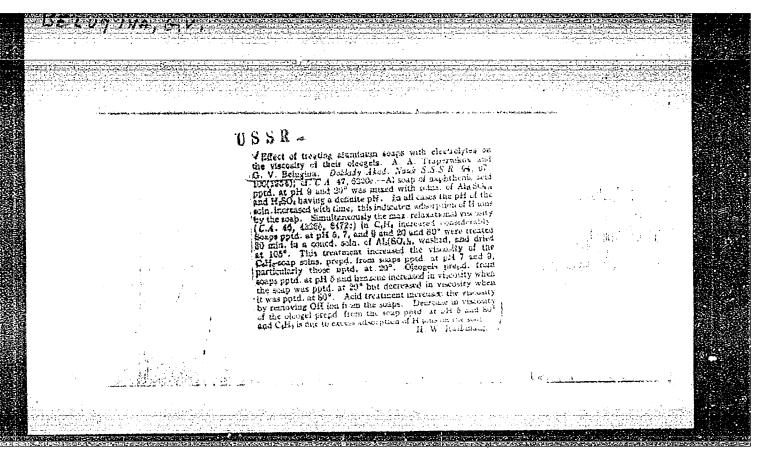
1. Institut kataliza Sibirskogo otdeleniya AN SSSR. Submitted January 25, 1965.

TRAPEZNIKOV, A.A.; BELUGINA, G.V.

Effect of the pH in the precipitation of aluminum scaps on the viscosities of their cleogels. Doklady Akad. Namk S.S.S.R. 87. 635-7 '52. (MLRA 5:11) (CA 47 no.13:6220 '53)

1. Institut fizicheskoy khimii. Akademiya nauk S.S.S.R., Moscow.





BELUGINA, G. V.

BELUGINA, G. V.: "The colloid-chemical basis of methods of preparing aluminum soaps of naphthenic acids and the stability of their oleogels." Acad Sci USSR. Inst of Physical Chemistry. Moscow, 1956. (DISSERTATION FOR THE DEGREE OF CANDIDATE IN CHEMICAL SCIENCE)

So.: Knizhnaya letopis' No 15, 1956, Moscow.

BELUGINA, 69-20-1-1/20 AUTHORS: Belugina, G.V., and Trapeznikov, A.A. TIILE: The Effect of the Conditions for the Preparation of the Aluminum Soaps of Naphthenic Acids on the Properties of Their Oleogels (Vliyaniye usloviy prigotovleniya alyuminiyevykh myl naftenovykh kislot na svoystva ikh oleogeley) Kolloidnyy Zhurnal, 1958, Vol. XX, # 1, pp 5-12 (USSR) PERIODICAL: The authors developed a precipitation method for the pre-ABSTRACT: paration of aluminum-soaps in which aqueous solutions of $Al_2(SO_A)_3$ and sodium soaps are poured together, the pH being held constant. The general view of the laboratory equipment

> bility of their oleogels are strongly affected by the following factors: 1. The ratio of free to bound alkali (fig. 2 and 3). The viscosity of the cleogels of Al-scaps grows with their free alkali content, attaining a maximum at 75-100%. The stability decreases when the alkali content increases. The most stable oleogels

used in the precipitation of aluminum scaps of naphthenic acids is shown in fig. 1. It was established by experiment that the thickening properties of the soaps and the structure and sta-

Card 1/3

are those precipitated with a free alkali content below 50%. 2. The pH during the precipitation (fig. 5). The viscosity of

69-20-1-1/20

The Effect of the Conditions for the Preparation of the Aluminum Scaps of Naphthenic Acids on the Properties of Their Oleogels

> the oleogels precipitated at different pH values (10-3.5) grows with diminishing pH passing through a maximum at pH 5. 3. Temperature. The thickening capacity of the Al-soaps increases with the temperature (20-92°C) passing through a maximum at about 80°C. Thermal treatment of the prepared scaps also raises their thickening capacity (fig. 8). The precipitation and treatment temperatures have no significant effect on the stability of the oleogels.

Diminishing the concentrations of the $Al_2(SO_4)_3$ solutions and particularly of the sodium soaps used for precipitating the Al-scaps raises the thickening capacity. A comparison of the thickening properties of the Al-soaps prepared by the "direct" precipitation method and by precipitation at constant pH of the medium showed that on precipitating under optimal conditions (pH 5, elevated temperatures) scaps with higher thickening capacity are obtained by the latter method. The dependence of the viscosity on the time of keeping the oleogels of soap in various solvents: (cryoscopic benzene, aviation gasoline type B-70, gasoline, pyrolysis products of kerosene con-

Card 2/3

69 -20-1-1/20

The Effect of the Conditions for the Preparation of the Aluminum Scaps of Naphthenic Acids on the Properties of Their Oleogels

> taining a considerable quantity of unsaturated hydrocarbons) is shown in fig. 11. The correlations found for Al-soap gels in a pure non-polar solvent, like cryoscopic benzine, hold also for the gels in industrial solvents.

The results of this study were used in process development

of Al-naphthenate soap production.

There are 10 graphs, 2 tables, 1 photo, and 25 references 8 of which are Soviet, 6 American, 5 British, 3 German, 1 Canadian, 1 Indian, 1 Scandinavian.

ASSOCIATION: Institut fizicheskoy khimii AN SSSR, Moscow (Institute of

Physical Chemistry of the AS USSR, Moscow)

SUBMITTED: February 20, 1957

AVAILABLE: Library of Congress

Card 3/3

69-58-2 -23/23

AUTHORS:

Trapeznikov, A.A.; Belugina, G.V.; Rzhavskaya, F.M.

TITLE:

News in Brief. The Effect of the Ratio of Free to Bound Alkali During Precipitation of Aluminum Soaps on Their Thickening Properties (Kratkiye soobshcheniya. Vliyaniye sootnosheniya svobodnoy i svyazannoy shchelochi pri osazhdenii alyuminiyevykh myl na ikh zagushchayushchuyu sposob-

nost!)

PERIODICAL:

Kolloidnyy zhurnal, 1958, Vol XX, Nr 2, pp 254-255 (USSR)

ABSTRACT:

The composition and the thickening properties of aluminum scaps are determined by the molecular weight and the natural organic radical of the acid, and by the ingredients and preparing conditions of the acid. Among these factors, the ratio of free to bound alkali plays an important role. In this article, the preparation of aluminum soaps from naphthenic acids with a molecular weight of 250 is described. The temperature was 80°C. The free alkali content varied from 25 to 200 %. Figure 1 shows that the best results were obtained with an excess of 75 % of free alkali. There are 2 graphs and 5 references, 3 of which are Soviet,

Card 1/2

and 2 English.

69-58-2 -23/23

News in Brief. The Effect of the Ratio of Free to Bound Alkali During Precipitation of Aluminum Soaps on Their Thickening Properties

ASSOCIATION:

Institut fizicheskoy khimii AN SSSR, Moskva (Institute of Physical Chemistry of the USSR Academy of Sciences, Moscow) Moskovskiy filial VNIIZh, Moskva (Moscow Branch of the VNIIZh, Moscow)

SUBMITTED:

July 6, 1957

1. Aluminum-Soaps-Composition 2. Aluminum-Soaps-Thickening properties

Card 2/2

5(4) AUTHORS:

Belugina, G. V., Zakiyeva, S. Kh., SOV/20-126-2-25/64

Rebinder, P. A., Academician, Taubman, A. B.

TITLE:

On the Stability and Viscosity of Concentrated Suspensions in the Oleogels of Metallic Soaps (Ob ustoychivosti i vyazkosti kontsentrirovannykh suspenziy v oleogelyakh metallicheskikh myl)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 2,

pp 318-321 (USSR)

ABSTRACT:

In the course of the investigations discussed in the present paper the aluminum soaps of naphthenic acids were used as structure-forming additions. They form oleogels with peculiar structurally mechanical properties. These properties of oleogels depend on the molecular nature of the dispersive medium and may be regulated by variation of these factors. In this connection, the authors investigated the time-dependence of the viscosity of the gels of aluminum naphthenate in hydrocarbon media and in concentrated

suspensions which are built up on the basis of such hydrocarbon media. Ordinary technical surface-hardened oxidized aluminum powder with particles of aluminum powder from 6 to 13 µ served

Card 1/3

On the Stability and Viscosity of Concentrated Suspensions in the Oleogels of Metallic Soaps

507/20-126-2-25/64

as dispersive phase. The dispersion medium used was the purified basic paraffin-naphthene fraction of the fuel T - 1. The production of the aluminum scaps used for structure-formation is briefly described. A diagram shows the typical curves $\lg \eta - \tau$ for a 2% aluminum-naphthenate-gel. Here \ denotes viscosity and \ \ - time. The introduction of a solid phase increases initial viscosity considerably, but without changing the character of its aging. Analogous curves of aging are given for 2%- and 4%-gels of an aluminum-naphthenate of other composition. If benzene is substituted for the paraffin-naphthene fraction, the initial viscosity of the gel is reduced, but the viscosity of the gel in the suspension undergoes practically no change for the duration of one month. The decrease of viscosity in the oleogels of the aluminum-naphthenate and in the corresponding suspensions is probably a consequence of the latent formation of aggregates. There are 2 figures, 1 table, and 10 references, 9 of which are Soviet.

Card 2/3

On the Stability and Viscosity of Concentrated Suspensions in the Oleogels of Metallic Soaps

SOV/20-126-2-25/64

ASSOCIATION:

Institut fizicheskoy khimii Akademii nauk SSSR

(Institute for Physical Chemistry of the Academy of Sciences, USSR)

SUBMITTED:

February 26, 1959

Card 3/3

S/020/60/132/02/38/067 B004/B007

AUTHORS:

Belugina, G. V., Konstantinova, V. V., Zakiyeva, S. Kh., Rebinder,

P. A., Academician

TITLE:

Investigation of the Gel-forming Ability of Aluminum Oleates in

Benzene

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 2, pp. 380-383

TEXT: The authors discuss the behavior of the gels of aluminum soaps of the general composition $Al(OH)_n(OOCR)_m$, where n+m=5. They mention the dependence of the properties of such substances on the number of hydroxyl groups, on the association of the molecules, and on the molecular weight and the type of acid radical. It was the aim of the present paper to investigate the behavior of the aluminum soaps of unsaturated fatty acids on the basis of the example of cleic acid. The aluminum cleates were prepared by the reaction of $Al_2(SO_4)_{\frac{1}{2}}$ with an alcoholic solution of sodium cleate at 70° C. From the aluminum cleates gels were formed in pure benzene. The influence exerted by composition on the viscosity η was investigated on 8% gels, which were precipitated in the case of an alkali excess of 25-200%. Fig. 1 shows the dependence of η on the content of free alkali

Card 1/2

Investigation of the Gel-forming Ability of Aluminum Oleates in Benzene

S/020/60/132/02/38/067 B004/B007

after 5, 7, and 30-32 days. η attains a maximum at 50% alkali excess (n=1), and a second lower maximum in the case of an alkali excess of 150% (n=1.7). The scap precipitated with alkali excess of 200% was no longer soluble in benzene. Like in the case of saturated fatty acids, bisubstituted aluminum scap (n=1) (Fig. 2). This is ascribed to the low chemical stability of the gels was low acids. However, also α -naphthol added as entioxidizing agent does not influence which fact distinguishes the Al cleates from the aluminum naphthenates (Fig. 2). Soap. The dependence $\log \eta = K + a \log G$ (1) was found (K and a = constants), However, also 12% gels age and are durable for not more than two weeks, whereas 4% gels of aluminum naphthenates remain stable for longer periods. There are

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry of the Academy of Sciences, USSR)

SUBMITTED: Card 2/2

February 6, 1960

Stabilization of concentrated suspensions by the structure formation of the dispersion (hydrocarbon) medium. Koll.zhur. 23 no.6:658-668 N-D '61. (MIRA 14:12)

1. Institut fizicheskoy khimii AN SSSR, Moskva. (Suspensions (Chemistry)) (Hydrocarbons)

L3801

8/069/62/024/006/005/009 B101/B180

11.1220

AUTHORS:

Zakiyeva, S. Kh., Belugina, G. V., Konstantinova, V. V.,

Rebinder, P. A.

TITLE:

Effect of the solid disperse phase content on the limiting viscosity of concentrated suspensions in a structurized medium

PERIODICAL: Kolloidnyy zhurnal, v. 24, no. 6, 1962, 678 - 681

TEXT: The aging of a suspension of aluminum (particle size, $6-13\mu$) dispersed in a purified paraffin-naphthene fraction, thickened with 2% by weight of aluminum naphthenate, was investigated for φ the solid disperse phase content, which ranged from 5 to 31% by volume. Measurements were made of η_o the limiting viscosity of the medium and of $\eta_\phi = \eta_o \cdot K(\varphi)$ the limiting viscosity of the suspension, where $K(\varphi)$ is the relative viscosity of the suspension dependent on φ . An investigation of η_o and η_φ as dependent on age showed that within 21 days the η_φ 's of suspensions with $\varphi = 5-23\%$ dropped to the same value as the η_φ of the unfilled gel. This means that the particles of the solid disperse phase did not form any Card 1/2

Effect of the solid ...

S/069/62/024/006/005/009 B101/B180

additional coagulation structure. For more strongly aged gels with lowered η_0 values, $K(\phi)$ is higher in the low ϕ range (up to 23%), and lower at higher ϕ (31%). At ϕ = 31% the particles of the disperse phase begin to act as an active filler. The fact that the $K(\phi)$'s of all highly structuralized media, i.e. gels with $\eta_0 >$ 115 poises, is independent of η_0 up to ϕ = 23 - 27% suggests that the suspension is completely stabilized. There are 2 figures.

ASSOCIATION: Institut fizicheskoy khimii AN SSSR, Moskva (Institute of Physical Chemistry of the AS USSR, Moscow)

SUBMITTED: July 12, 1962

Card 2/2

ZÄKIYEVA, S. Kh.; BELUGINA, G. V.; KONSTANTINOVA, V. V.; REBINDER, P. A.

Effect of the solid disperse phase content on the intrinsic viscosity of concentrated suspensions in a structurated medium. Koll. shur. 24 no.6:678-681 N-D 162.

(MIRA 16:1)

1. Institut fizicheskoy khimii AN SSSR, Moskva.

(Colloids) (Viscosity) (Suspensions(Chemistry))

KONSTANTINOVA, V.V.; BELUGINA, G.V.; ZAKIYEVA, S.Kh.; REBINDER, P.A.

Effect of surface-active agents on the strength of structures of concentrated nonaqueous suspensions. Koll.zhur. 25 no.5:555-560 S=0 163. (MIRA 16:10)

1. Institut fizicheskoy khimii AN SSSR, Moskva.

CHIRKOV, Yu.I.; BELUKHINA, G.V.

Microclimate and heat balance on crops of irrigated and nonirrigated corn in Moldavia. Trudy TSIP no.145:90-99 165.

(MIRA 18:10)

GANBURG, D.Yu.; LELYAKINA, T.M.; VESELOVSKIY, K.B.; BELUGINA, L.H.

Changes in the peat surface during its gasification. Inzh.-fiz. zhur. no.9:99-102 S '60. (MIRA 13:9)

1. Gosudarstvennyy institut azotnoy promyshlennosti, Moskva. (Peat gasification)

GAMBURG, D.Yu.; BELUGINA, L.N.

Changes in the porous structure of coke during its gazification with carbon dioxide. Inzh.-fiz. zhur. no.12:86-90 D '60.

(MIRA 14:3)

1. Gosudarstvennyy pauchno-issledovatel'skiy i proyektnyy institut azotnoy promyshlennosti i produktov organicheskogo sintaza, g. Moskva.

(Goke)

8/138/62/000/012/007/010 A051/A126

AUTHORS:

Gamburg, D. Yu., Kazakov, A. V., Lelyakina, T. M., Belugina, L. N.,

Veselovskiy, K. B.

TITLE:

Investigation of carbon black produced by electro-cracking of

natural gas to acetylene

PERIODICAL: Kauchuk i rezina, no. 12, 1962, 22 - 24

Samples of acetylene carbon blacks, obtained from dry collection and produced in one of the electro-cracking plants, were studied in 1959 - 1960 by the TMAN (GIAP - State Institute of Scientific Research and Design of the Nitrogen Industry and Products of Organic Synthesis), in cooperation with (NIIRP - Scientific Research Institute of the Rubber Industry). Investigations were conducted to determine the possible use of these samples as fillers in rubber mixes. The major disadvantages of the investigated carbon blacks were found to be: the high volumetric numbers, elevated ash content and a low density which in some cases not exceeded 40 - 50 g/1. Work has been carried out to increase the density by 3 to 4 times and reduce the volumetric number from 34

Card 1/2

GAMBURG, D.Yu., kand. khim. nauk; LEYAKINA, T.M., inzh.; BELUGINA, L.N., inzh.

Reacting surface of solid fuels and surface of coal ashes.
Teploenergetika 10 no.8:38-40 Ag *63. (MIRA 16:8)

1. Gosudarstvennyy proyektnyy i nauchno-issledovatel'skiy institut azotnoy promyshlennosti.

(Coal gasification)

GAMBURG, D.Yu.; EELUGINA, L.N.; LELYAKINA, T.M.

Coke surface changes dependent on the nature of the gasifying agent. Khim. i tekh. topl. i masel 9 no.1:38-41
Ja '64. (MIRA 17:3)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut azotnoy promyshlennosti i produktov organicheskogo sinteza.

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AZIMOV, G.I.; LAPINER, M.N.; PCHELINA, V.A.; ORLOV, A.F.; HELUGINA, O.P.;
       DUDETSKAYA, O.A.
       Problem of milk secretion. Biul. eksp. biol. i med. 40 no.12:10-14
       1. Iz kafedry fisiologii shivotnykh (zav.-zasluzhennyy deyatel*
       nauki prof. G.I. Azimov) Moskovskogo pushno-mekhovogo instituta
       (dir.-prof. V.S. Yershov)
              (LACTATION, physiology,
                  radioactivity of milk from both udders, of blood & of urine
                  after admin. of radiophosphorus labeled milk into one
                  udder in goat.)
              (PHOSPHORUS, radioactive,
                  labeled milk, radioactivity of milk from both udder, of
                  blood & urine after admin.)
                  radiophosphorus, after admin. of labeled milk into udder
                  in goat)
              (BLOOD.
                  radiophosphorus, after admin. of labeled milk into udder in
```

RELUGINA, O.P.

Receptor system of the udder in cows and goats and blood composition. Biul.sksp.biol. i med. 43 no.1 supplement: 42-45 '57. (MIRA 10:3)

1. Iz kafedry fiziologii zhivotnykh (zav. - zasluzhennyy deyatel nauki prof. G.I.Azimov) Vsesoyuznogo sel skokhozyaystvennogo instituta zaochnogo obrazovaniya (dir. - dotsent P.P.Ipatov) Predstavlena deystvitel nym chlenom AMN SSSR professorom V.N. Chernigovskim.

(BERAST, physicl.

eff. of massage of udder in cows & goats & of lactation on blood picture)
(BLOOD same)

USSR/Human and Animal Horphology (Normal and Pathological). Circulatory System.

S-3

Abs Jour: Ref Zhur-Biol., No 16, 1950, 74339

Luthor :

Beluging, V. A. Sverdlov Branch, All-Union Society of Anatonists, Histologists and Embryologists. Inst

On Interorganic Vessels of the Liver. Title

Sb. nauchn. rabot. Sverdl. otd. Vses. o-va anatomov, gistologov i embriologov, 1957, vyp. 1, 63-65 Orig Pub:

Interorganic anastomoses between the branches Lbstract:

of the hepatic artery apparently are always present, but in some cases they are developed sufficiently well, in others, insufficiently; as a result, after lightion of one

1/2 Card

USSR/Human and Animal Physiology (Normal and Pathological). Blood. Blood Diseases.

: Ref Zhur - Biol., No 16, 1958, 74715 Abs Jour

Author Mozharova, Ye.N., Belugina, V.T.

Inst

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Title Treatment of True Polycythemia With Radioactive Isotopes of Cobalt and Phosphorus of the stage of the st

: Vestn. rentgenol. i radiol., 1957, No 1, 34-40 Orig Pub

and the second s Abstract : During treatment of patients with true polycythemia in or-

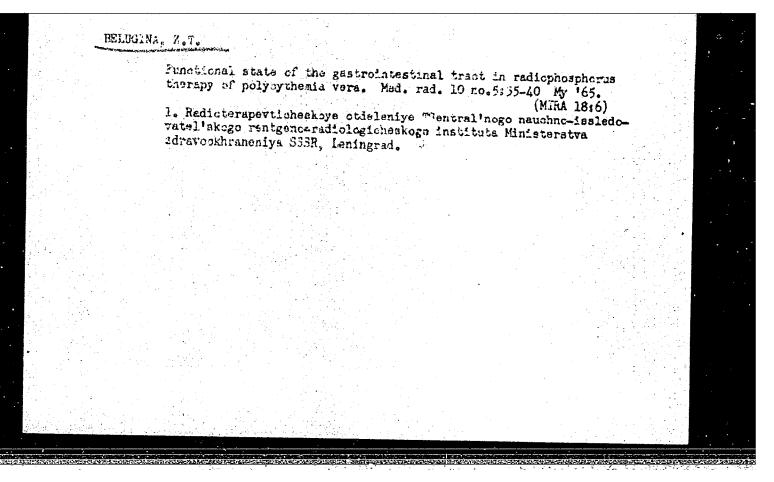
der to obtain resistant and long remission Co60 and P32 were simultaneously administered to the cervical sympathetic ganglia (SG). Remission with treatment only of p32 contimued 2-22 years (average total dose of P32 7.5 microcuries); with use of both agents remission was lengthened up to 5 years (average general dose 4.5 microcuries).

Irradiation of the SG of the cervix is justified in serious

cases with polycythemia with high hypertension and with a

Card 1/2

- 48 -



BELUGINA Z.T.

Reentgenetherapy of esophageal cancer by rotational method. Vest. rentg., Moskva No.2:26-33 Mar-April 1953. (CIML 25:5)

1. Candidate Medical Sciences. 2. Of the Roentgen Therapeutic Division (Head - Prof. Yu. I. Arkusskiy), Central Roentgenological, Radiological, and Cancer Institute (Director -- Prof. M.N. Pobedinskiy).

