
CHUMAYEVSKAYA, M.A.; GORLENKO, M.V.

A new bacteriosis of carrots in the U.S.S.R. Nauch.dokl.vys.shkoly: (MIRA 13:11) biol.nauki no.4:114-116 '60.

1. Rekomendovana kafedroy nizshikh rasteniy Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova. (CARROTS-DISEASES AND PESTS) (BACTERIA, PHYTOPATHOGENIC)

CIA-RDP86-00513R000509120009-5

SOV/51-6-1-8/30

AUTHORS :

ORS: Chumayevskiy, N.A., Tatevskiy, V.M. and Yur yev, Yu.K.

TITLE: The Absorption and Raman Spectra of Selenophene and Its Methyl Homolegues (Spectry pegloshcheniya i spectry kombinatsionnogo rasseyaniya selencfena iyogo metilgomologuy)

PERIODICAL: Optika i Spektroskopiya, 1959, Vol 6, Nr 1. pp 45-50 (USSR)

ABS TRACT : The paper reports studies of the ingrared and ultravioled absorption spectra and Raman apestra of selenophene (I), 2-methylselenophene (II), 3-methylselenophene (III), 2,3-dimethylselenophene (IV), 2,4-dimethylselenophene (V), 3,2-dimethylselenophene (VI). The Raman spectra were obtained on a Steinheil spectrograph (linear disparsion 0.1 mm/Å) The absorption spectra in the infrared were obtained using an IKS-11 spectrometer with LiF (3300-6000 cm⁻¹), NaCl (660-3000 cm^{-1}) and KBr (400-600 cm^{-1}) prisms. An infrared spectrometer VIKSM-3 with a NaCl prism was also used. The ultraviolet absorption spectra were obtained in isooctane using a SF-4 spectrophotometer. Measurements of the infrared spectra, obtained using the VIKSM-3 spectrometer, and of the ultraviolet spectra were carried out at the Optics Laboratory of I.N.E.O.S. of the Academy of Sciences of the U.S.S.R. Selerophene and its homologues studied in the present work

Card 1/3

APPROVED FOR RELEASE: 06/12/2000

SOV/51-6-1-8/30 The Absorption and Raman Spectra of Selenophene and Its Methyl Homologues

> had the properties given in a table on p 50. Fig 1 gives the Raman spectra of substances I, III and V (curves a, & and & respectively). Fig 2 gives the infrared absorption spectra of all the six substances studied and Fig 3 gives the corresponding ultraviolet absorption spectra. In all the substances (with the exception of VI) characteristic intense absorption bands appeared in the infrared between 1209 and 1250 cm⁻¹. The coincidence of certain frequencies and the general similarity of the infrared absorption spectra of thiophene and selenophene and its homologues can be taken as confirmation of the plane structure of selenophene, which belongs to the C_{2v} type of symmetry. The Raman and the infrared absorption spectra of selenophene agree with the results reported by Gerding et al. (Ref 1). The spectra of selenophene homologues show characteristic frequencies due to vibrations of the substituents (table on pp 46-47). The ultraviolet absorption spectra of selenophene and its homologues obtained in the region 2200-2800 Å did not differ greatly between each other (Fig 3). The ultraviolet spectra of thiophene and its homologues behave in a similar manner. The authors

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SOV/51-6-1-8/30 The Absorption and Raman Spectra of Selenophene and Its Methyl Homologues

> suggest that the infrared absorption and the Raman spectra of selenophene and its homologues may be used for identification of these compounds. There are 3 figures, 2 tables and 11 references, 5 of which are Soviet, 3 French, 2 English and 1 Japanese.

SUBMITTED: March 31, 1958

Card 3/3

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CIA-RDP86-00513R000509120009-5



APPROVED FOR RELEASE: 06/12/2000

Polyakova, A. M., Chumayevskiy, N.A. S/020/60/130/05/023/061 5(3) AUTHORS: B011/B005 The Interaction of Tetraalkyldihydridedisiloxanes With Bifunctional Unsaturated Compounds TITLE: Doklady Akademii nauk SSSR, 1960, Vol 130, Nr 5, pp 1037-1040 PERIODICAL: (USSR) The purpose of this paper is an investigation of the structure of polymeric products formed by the interaction mentioned in ABSTRACT: the title (Ref 1) by means of infrared spectroscopy. Besides these spectra, spectra of the initial components were recorded (Figs 1-4). Table 1 shows the frequencies of the tetraalkyldihydridedisiloxanes, table 2 those of the dialkenes. Figure shows the infrared spectra of the former, figure 2 those of (the latter. Figures 3 and 4 show the infrared spectra of the interaction products. On the basis of these results, the authors draw the following conclusions as to the structure of polymers: Cyclic monomers are formed by the interaction of divinyl monomers with disiloxanes (in equimolar ratio) while diallyl monomers form linear polymers. The authors thank Card 1/2

APPROVED FOR RELEASE: 06/12/2000

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s/051/61/010/001/006/017 E201/E491

AUTHOR: Chumayevskiy, N.A.

TITLE:

Vibrational Spectra of Organic Compounds Containing Elements of Group IV (Si, Ge, Sn). I. Characteristic Absorption Bands in the Infrared Spectra of Organosilicon Compounds

PERIODICAL: Optika i spektroskopiya, 1961, Vol.10, No.1, pp.69-78 TEXT:

The author gives the results of a study of the infrared. absorption spectra of a large number of organosilicon compounds, including alkylalkenylsilanes, dihydridedisiloxanes and alkylchlorsilanes. The spectra were recorded using double-beam spectrophotometers BUKC M-3 (VIKS M-3) with NaCl and LiF prisms and a single-beam spectrometer **NKC**-12 (IKS-12) with a KBr prism; the latter instrument was used also with an NaCl prism (the results are indicated by crosses in Fig.2). for the 700 to 2300 and 2800 to 3200 cm⁻¹ regions are given in Fig.l to 4. Table 1 lists the valence vibrational frequencies of the Si-Cl bond (in cm-1) and Table 2 gives the absorption frequencies of various functional groups attached to an atom of

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CIA-RDP86-00513R000509120009-5

S/051/61/010/001/006/017 E201/E491

Vibrational Spectra of Organic Compounds Containing Elements of Group IV (Si, Ge, Sn). I. Characteristic Absorption Bands in The Infrared Spectra of Organosilicon Compounds

silicon. Several relationships are established on the characteristic features of the absorption bands of organosilicon compounds in the regions 2100 to 2300 and below 1300 cm⁻¹. Acknowledgments are made to I.V.Obreimov for his advice, to V.F.Mironov and A.M.Polyakova for supply of some materials and to R.A.Isayeva and Ye.D.Vlasov for help in this work. There are 4 figures, 2 tables and 9 references: 2 Soviet and 7 non-Soviet.

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SUBMITTED: March 31, 1960

Card 2/2

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509120009-5

88575

5.3700 s/020/61/136/001/027/037 9,4300 (1137,1143,1164) B004/B056 AUTHORS: Borisov, A. Ye., Novikova, N. V., and Chumayevskiy, N. A. TITLE: Infrared Absorptionspectra of Organometallic Compounds of the Ethylene Series. On Cis- and Trans-configurations of Propylene-antimony Compounds (Sb^{III} and Sb^V) PERIODICAL: Doklady Akademii nauk SSSR, 1961, Vol. 136, No. 1, pp. 129-132 TEXT: The present paper is an account on investigations of the infrared absorption spectra of cis- and trans-isomeric propylene compounds with tri- and pentavalent antimony. Synthesis of these substances was described in X an earlier paper (Ref. 1). Investigation was made with a BNKC M-3 (VIKS M-3) spectrometer and an NaCl prism within the range of 700-1800 cm⁻¹ and with an MWC-12 (IKS-12) spectrometer and KBr prism within 400-700 cm⁻¹. Figs. 1-3 show the spectra of $(CH_{3H} = C)_{3}SbBr_{2}; (CH_{3H} = C)_{3}SbBr_{2}; of the corresponding$ Card 1/4

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509120009-5

Infrared Absorptionspectra of Organometallic Compounds of the Ethylene Series. On Gis- and Trans-configurations of Propylene-antimony Compounds (Sb^{III} and Sb^V)

00575 S/020/61/136/001/027/037 B004/B056

are listed in Table 1. All trans-configurations exhibit intense absorption at $945-970 \text{ cm}^{-1}$. The frequencies of the CH-group uneven oscillations are at 971 cm^{-1} for tri- and pentapropenyl antimony, at 945 cm^{-1} for dihalogen derivatives, and at 967 cm^{-1} for tetrapropenyl stilbonium bromide. The trans-configurations are distinguished by bands at $718-726 \text{ cm}^{-1}$ which do not exist in the cis-configuration. The $920-940 \text{ cm}^{-1}$ absorption bands of the cis-configuration are considerably less intense than the $945-970 \text{ cm}^{-1}$ absorption bands of the trans-configuration. Only cis-tripropenyl antimony and cis-pentapropenyl antimony turned out to have bands at 970 cm^{-1} , but their intensity amounts to only one third of the trans-configuration

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CIA-RDP86-00513R000509120009-5

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Infrared Absorptionspectra of Organometallic Compounds of the Ethylene Series. On Cis- and Trans-configurations of Propylene-antimony Compounds (Sb^{III} and Sb^V) S/020/61/136/001/027/037 B004/B056

intensity. The same holds for propenylbromide: Intensity of the 930 cm⁻¹ band of the cis-configuration only one third of the trans-configuration band. The bands at 655-660 cm⁻¹ of the cis-configuration are 2 - 2.5 times more intense than those of the trans-configuration. Cis-configurations of the halogen derivatives and of tetrapropenyl stilboniumbromide showed intense bands at 452 cm⁻¹ which were not observed in the case of trans-configurations and cis- and trans-tri- and pentapropenyl antimony. The plane vibrations at the double bonds are more intense at 1200 cm⁻¹ in the case of trans-isomers and at 1300 cm⁻¹ in the case of cis-isomers. A. N. Nesmeyanov is mentioned in the paper. The authors thank Academician I. V. Obreimov for his interest in the investigation, and R. A. Isayeva and Ye. D. Vlasov for their collaboration. There are 3 figures, 2 tables, and 8 references: 5 Soviet, 1 US, and 2 British.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute of Elemental Organic Comyounds of the Academy of Sciences USSR)

Card 3/4

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	d Absorn ds of th onfigura ds (Sb ¹¹	e Ethy	lene	Seri	ies.	On C	is- a	and		020/61, 04/B050		01/027/	/037		
PRESENTI	ED: J	uly 18	8, 19	60, 1	by I.	٧.	Obre:	imov,	Aca	demicia	an	۰.			
SUBMITT Legend (2) trans	to table		eque	ncie					l sd ^V	prope	nyls.	1) cis,			
	(CH₄CH⇔CH •Sb	I). (CH.CH		(CH,CH Sb	Br ₂	(CH,CH ·SbJ	I-CH),-	(CH,CH •S	l==CH), - bBr	(CH,CH=	CH), Sb	•	•		
•	1) цис-, тран т. кип) 70°/4—5 мм		2) трайс-, т. кип) 160— 162/4мы					цис.		1)	±ј транс, т. кип.)	Table.		\checkmark	
Card 4/2	1600 166 1438 144 1378 143 1370 133 1320 133 1180 111 1115 111 1039 100 070 90 020 02 710 72 660 64	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1607 1440 1376 1306 1101 1100 1675 1042 057 724 667 620	1604 1443 1382 1305 1199 1045 939 925 	1605 1440 1377 1308 1105 1075 1041 951 722 655 620 —	$\begin{array}{c} 1600\\ 1425\\ 1373\\ 1297\\ 1196\\ 1100\\ 1040\\ 037\\ \left(\begin{array}{c} 037\\ 025\\ -660\\ 610\\ 452\end{array}\right)$	1508 1437 1375 1302 1185 1165 1065 1030 045 718 660 615	1000 1445 1380 1305 1109 1048 060 024 700 660 635 452	1600 1432 1367 1304 1225 1062 1043 967 945 726 663 625	1600 1440 1380 1321 1200 1115 1035 970 920 	1600 1437 1375 1308 1190 1110 1062 1040 971 938 722 662 600				
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CIA-RDP86-00513R000509120009-5

BORISOV, A.YO.; NOVIKOVA, N.V.; CHUMAYEVSKIY, N.A.

Infrared absorption spectra of organometallic compounds in the ethylene series. Cis-, trans-configuration of propylene antimony compounds (SbIII AND SbV). Dokl.AN SSSR 136 no.1:129-132 Ja '61. (MIRA 14:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. Predstavleno akademikom I.V. Obreimovym.

(Antimony organic compounds---Spectra)

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5.3760	30035 S/020/61/141/001/021/021 B119/B108
AUTHOR:	Chumayevskiy, N. A.
TITLE:	Vibrational spectra of some alkyl and alkyl-alkenyl stannanes (Sn^{IV})
PERIODICAL:	Akademiya nauk SSSR. Doklady, v. 141, no. 1, 1961, 168-171
TEXT: The a following su	where investigated the infrared and Raman spectra of the CH_3 CH_3 C_2H_5 C_2H_5 CH_3 $CH=CH_2$ bestances: Sn (1) Sn (2) Sn (3) CH_3 CH_3 C_2H_5 C_2H_5 CH_3 CH_3
CH ₃ , CH ₂ -C CH ₃ , CH ₂ -C	$ \begin{array}{c} H=CH_{2} \\ (4) \\ c_{2}H_{5} \\ c_{2}H$
Card $1/4$	

CIA-RDP86-00513R000509120009-5

 $\begin{array}{c} 30035\\ S/020/61/141/001/021/021\\ \text{Vibrational spectra of some alkyl} \dots\\ \begin{array}{c} C_2^{H}_5\\ C_{2H5}-\text{Sn}-\text{H}\\ C_2^{H}_5\end{array} \begin{pmatrix} C_2^{H}_5\\ C_2^{H}_5 \end{pmatrix} \begin{pmatrix} C_1^{H}=\text{CH}_2\\ C_2^{H}_5 \end{pmatrix} \begin{pmatrix} C_2^{H}_5\\ C_2^{H}_5 \end{pmatrix} \begin{pmatrix} C_2^{H}_5\\$

Sn-H absorption band of triethyl stannane lies at 1820 cm⁻¹. The force constant $K_q(Sn-H)$ of the Sn-H bond in SnH₄ was calculated to be ~3.8°10⁶ cm⁻². Both the scattering and the absorption bands of the Sn-CH₃ bond are between 1190 and 1195 cm⁻¹, those of the Sn-C₂H₅ bond between

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APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509120009-5

30035 s/020/61/141/001/021/021 B119/B108 Vibrational spectra of some alkyl ... 1183 and 1190 cm⁻¹. The absorption band of the $Pb-C_2H_5$ bond lies at 1158 cm⁻¹. The absorption band of the C=C bond of vinyl and allyl derivatives of Sn^{IV} lies at 1580 cm⁻¹ for (6), and at 1628 cm⁻¹ for (4) and (5). The absorption bands of the =CH₂ terminal groups are between 3045 and 3050 cm⁻¹ for vinyl derivatives, and at 3080 cm⁻¹ for allyl derivatives. For (8), the absorption bands of the $Sn-C_2H_5$ bonds in (8) ,Х lie at 526 and 495 cm⁻¹, that of the Sn-CH=CH₂ bond at 471 cm⁻¹. In general, the infrared absorption bands and the Raman lines for the stretching vibrations of the Sn-C bonds lie between 450 and 530 cm I. V. Obreimov is thanked for his criticism and V. F. Mironov for supplying the substances. There are 4 figures, 1 table, and 4 references: 3 Soviet and 1 non-Soviet. The reference to the English-language publication reads as follows: C. W. Joung, J. S. Koehler, D. S. McKinney, J. Am. Chem. Soc., 69, 1410 (1947).

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APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509120009-5

X

30035 s/020/61/141/001/021/021 B119/B108

Vibrational spectra of some alkyl ...

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute of Elemental Organic Compounds of the Academy of Sciences USSR)

June 1, 1961, by I. V. Obreimov, Academician PRESENTED:

May 27, 1961 SUBMITTED:

Card 4/4

APPROVED FOR RELEASE: 06/12/2000

Characteristic frequencies ...

s/051/62/013/001/003/019 E039/E420 ·

is shown to lie in the region 1585 to 1590 cm⁻¹; in the case of the vinyl group 1585 to 1590 cm⁻¹ and for the allyl group 1630 to 1635 cm⁻¹. In addition, the Ge-C bond is studied; the infrared absorption spectra and the combination scattering spectra. lying in the range 500 to 650 cm⁻¹. Finally, the GeCl₂ and GeCl3 group is examined, the absorption spectra of which lie in the region of 425 cm⁻¹. The measurements on the infrared absorption spectra were carried out in the 3000 cm⁻¹ region using a double beam spectrophotometer BNKCM (VIKSM)-3 No.12, with a LiF prism $(\Delta V) = 6 \text{ cm}^{-1}$; in the 700 to 2000 cm⁻¹ region with a double beam spectrophotometer VIKSM-3 No.11 with a NaCl prism $(\Delta V \text{ at } 1000 \text{ cm}^{-1} \text{ equal } 10 \text{ cm}^{-1})$ and in the 400 to 700 cm⁻¹ region with a double beam spectrophotometer VKC - 14 (IKS-14) with a KBr prism ($\Delta V = 4 \text{ cm}^{-1}$) and using cells of thickness 0.05 and 0.02 mm. The combination scattering measurements were made using a three prism spectrograph MGR=51 (ISP=51). A series of laws are established relating the characteristic band and line spectra of the investigated compounds. There are 6 figures and 3 tables. SUBMITTED: May 18, 1961 Card 2/2

CIA-RDP86-00513R000509120009-5

5/020/62/146/005/009/011 B107/B186 Mironov, V. F., Chumayevskiy, N. A. AUTHORS: Some laws for the vibrational spectra of organosilicon TITLE: compounds Akademiya nauk SSSR. Doklady, v. 146, no. 5, 1962, 1117-1120 PERIODICAL: TEXT: The infrared and Raman spectra of the following compounds were studied: $Cl_n(CH_3)_{3-n}SiCH=CH_2$; $Cl_n(CH_3)_{3-n}SiCH_2-CH=CH_2$; $(CH_3)_3Si(CH_2)_n - CH = CH_2$ (n=0-3); $(CH_3)_3ECH_2 - CH = CH_2$ (E = C, Si, Ge, Sn). (1) In the series $Cl_n(CH_3)_{3-n}^{-SiCH=CH_2}$, the intensity of the C=C Results: absorption band increases up to the threefold $(v_{C=C} = 1600 \text{ cm}^{-1})$ as n increases; for $Cl_n(CH_3)_{3-n}SiCH_2-CH=CH_2$ ($v_{C=C} = 1635$ cm⁻¹) the reverse effect is true. In the Raman spectra, this effect is not so strong and does not exceed the limit of error. (2) In the series $(CH_3)_3Si(CH_2)_nCH=CH_2$ (n = 0-3), the allyl configuration has the strongest, and the vinyl configuration the Card 1/3

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CIA-RDP86-00513R000509120009-5

Some laws for the vibrational ...

s/020/62/146/005/009/011 B107/B186

weakest C=C absorption band. Further data are given in Fig. 4. The frequencies of the absorption bands and Raman lines increase with n, approaching the values for olefins with an isolated C=C bond. (3) In the series (CH₃)₃ECH₂-CH=CH₂ (E = C, Si, Ge, Sn), the intensity of the C=C absorption band increases in the stated sequence, and the frequencies change from 1650 cm⁻¹ to 1628 cm⁻¹. Fig. 4 shows a distinct difference between on the one hand C, and, Si, Ge, and Sn, on the other. As to the known difference between C and Si regarding the presence of empty 3d-orbits, the authors assume the same for Ge and Sn. There are 4 figures and 1 table. The two most important Erglish-language references are: L. Pauling, J. Phys. Chem., 56, 361 (1952); F. G. A. Stone, D. Seyferth, J. Inorg. and Nucl. Chem., v. 4, 112 (1955).

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute of Elemental Organic Compounds of the Academy of Sciences USSR)

February 10, 1962, by I. V. Obreimov, Academician PRESENTED:

Card 2/3

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•		S/062/62/000/011/004/021 B101/B144	
AUTHORS :	Andrianov, K. A., Volkova, L. M	•	
TITLE:	Vibration spectra of organic co of group IV (Si, Ge, Sn). Com sorption spectra of substituted stretching vibration frequencie	nunication 7. Infrared ab- i amino-methyl siloxanes and	
PERIODICAL:	Akademiya nauk SSSR. Izvestiya nauk, no. 11, 1962, 1958 - 1964	a. Otdeleniye khimicheskikh 4	
С ₆ H ₅ NHCH ₂ (СH ₃ С ₆ H ₅ NHCH ₂ (СH ₃ С ₆ H ₅ NHCH ₂ (CH ₃ n _D ²⁰ 1.4927; (absorption spectra of the follo $Si(OC_2H_5)_2$, b.p. 130 - 132°C/5 $)_2SiOC_2H_5$, b.p. 140 - 144°C/20 $)_2SiOSi(C_2H_5)_3$, b.p. 109 - 109. $C_2H_5)_3SiOSi(CH_3)(CH_2NHC_6H_5)OSi(CH_5)$ D 1.4819; $(C_2H_5)_3SiOSi(CH_3)$ [CH	mm Hg, n_D^{20} 1.4975; mm Hg, n_D^{20} 1.5111; 5°C/0.5 mm Hg, d_4^{20} 0.9402, C_2H_5) ₃ , b.p. 159 - 161°C/1 mm Hg,	1

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$$S/062/62/000/011/004/021$$
Nibration spectra of organic...
b.p. 102 - 106°C/0.5 mm Hg, d_4^{20} 0.68882, n_D^{20} 1.4410;

$$CH_2CH_2$$
(c_{2H_5})₃SiOSi(CH_3)(CH_2N $\begin{pmatrix} CH_2CH_2 \\ O)OSi(C_2H_5$)₃, b.p. 129 - 131°C/1 mm Hg,
 d_4^{20} 0.9425, n_D^{20} 1.4525; c_6H_5 NHCH₂(CH₃)₂SiOSi(CH₃)₂C₆H₅, b.p. 123-128°C/1 mm
Hg, d_4^{20} 1.0047, n_D^{20} 1.5310; c_6H_5 (CH₃)_2SiOSi(CH₃)(CH₂NHC₆H₅)OSi(CH₃)₂C₆H₅,
b.p. 187 - 196°C/1 mm Hg, d_4^{20} 1.0534, n_D^{20} 1.5381;
 C_{6H_5} NHCH₂(CH₃)₂SiOSi(C₂H₅)₃SiOSi(CH₃)₂CH₂NHC₆H₅, b.p. 173 - 175°C/0.5 mm Hg,
 d_4^{20} 1.023, n_D^{20} 1.5218; $(c_{2H_5})_3$ SiOSi(CH₃)(CH₂NHC₆H₄Cl)OSi(C₂H₅)₃, b.p.
153 - 157°C/0.5 mm Hg, d_4^{20} 1.000, n_D^{20} 1.4885, and
 $(c_{2H_5}O)_2$ Si(CH₃)CH₂NH(CH₂)₆NH₂, b.p. 144 - 147°C/7 mm Hg, d_4^{20} 0.9238,
 n_D^{20} 1.4450. The results confirm the conclusions drawn by N. A. Chumayevskiy
(Optika i spektroskopiya, v. X, no. 1, 1961, p. 69) concerning the
Card 2/3

CIA-RDP86-00513R000509120009-5

Vibration spectra of organic ... s/062/62/000/011/004/02 frequencies of Si-O-Si, Si-O-C, Si-CH₃, Si-C₂H₅, and Si-C bonds. In the present paper the frequencies of the C-H bonds in the Si-CH and Si-C2H5 groups were identified, using data from the earlier paper. The following interpretation of frequencies is suggested: $v_{g}(CH_{2}) 2870 - 2880 \text{ cm}^{-1}$; $v_{as}(CH_2) 2925 = 2940 \text{ cm}^{-1}; v_s(CH_3) 2900 = 2910 \text{ cm}^{-1}, \text{ and } v_{as}(CH_3) 2956 = 2970 \text{ cm}^{-1}.$ There are 4 figures and 4 tables. ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute of Elemental Organic Compounds of the Academy of Sciences USSR) SUBMITTED: March 23, 1962 Card 3/3

APPROVED FOR RELEASE: 06/12/2000

MIRONOV, V.F.; CHUMAYEVSKIY, N.A.

Some regularities in the vibration spectra of organosilicon compounds. Dokl. AN SSSR 146 no.5:1117-1120 0 '62. co. (MIRA 15:10)

l. Institut Wlementoorganicheskikh soyedineniy AN SSSR. Predstavleno akademikom I.V.Obreimovym. (Silicon organic compounds--Spectra)

		S/020/63/148/006/015/023 B117/B186
AUTHORS :	Nesmeyanov, A. N., Chumayeyskiy, N. A.	Academician, Borisov, A. Ye., Novikova, N. V.,
DITLE:	Infra-red absorptic lithium	on spectra of stereo-isomers of propenyl-
TEXT: Infr lithium wer tained (in same author Chem., 26, by which th	a-red absorption spec e studied more accura a 20% ether solution s, and with those of 1040 (1961)). In ord e ether is characteri:	. Doklady, v. 148, no. 6, 1963, 1312 - 1313 tra of cis- and trans-isomers of propenyl- tely in comparison with the results ob-) earlier (DAN, 119, 712 (1958)) by the N. L. Allinger and R. B. Hermann (J. Org. er to eliminate the misleading frequencies zed, the spectra mentioned were taken both n oil. A comparison of the spectra taken ing frequencies to be consistent:

Infra-red absorption spectra of	S/020/63/148/0 B117/B186	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(1635 cm ⁻¹ and 1545 cm ⁻¹) correspond to the frequencies (1625 cm ⁻¹ and 1535 cm ⁻¹) corre- the infra-red absorption spectra gave resul- those obtained by Allinger and Hermann. The paper from optical and chemical data as to trans-isomers are still valid.	spond to the cis-iso ts that were in agre	emer. Thus, ement with
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Sciences USSR)	h soyedineniy Akadem c Compounds of the A	ii nauk SSSR cademy of
ASSOCIATION: Institut elementoorganicheskikk (Institute of Elemental Organic Sciences USSR) SUBMITTED: November 26, 1962	h soyedineniy Akadem c Compounds of the A	ii nauk SSSR cademy of

LIVSHITS, B.L.; CHUMAYEVSKIY, N.A.

Use of the method of perturbations in analyzing the vibrations of monodeuteromethane and the plane vibrations of thylene. Opt. i spektr. 15 no.5:609-616 N '63. (MIRA 16:12)

APPROVED FOR RELEASE: 06/12/2000

ANDRIANOV, K.A.; VOLKOVA, L.M.; CHUMAYEVSKIY, N.A.

Vibrational spectra of organic compounds containing the elements of the IV group (Si, Ge, Sn). Report No.7: Infrared absorption spectra of substituted aminomethylsiloxanes and the frequencies H bond stretching vibrations. Izv.AN SSSR. Otd.khim.nauk 11:1958-1964 N 162. (MIRA 15:12)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Silcmanes-Spectra) (Hydrogen bonding)

CHUMAYEVSKIY, N.A.

Vibrational spectra of compounds containing elements of the carbon subgroup. Usp.khim. 32 no.9:1152-1175 S '63. (MIRA 16:9)

1. Institut elementoorganicheskikh soyedineniy AN SSSR, opticheskaya laboratoriya.

(Organometallic compounds--Spectra)

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NESMEYANOV, A.N., akademik; BORISOV, A.Ye.; NOVIKOVA, N.V.; CHUMAYEVSKIY, N.A.

Infrared absorption spectra of propenyllithium stereoisemers. Iphl. AN SSSR 148 no.6:1312-1313 F '63. (MI (MIRA 16:3)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Lithium compounds--Absorption spectra) (Stereochemistry)



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L 42147-65 ACCESSION NR: AP5007659		(a) The second s Second second secon second second sec
ACCESSION NR: APSOU/659		e - let evere evere de constituites participal
Bis-(alkylchlorsilyl) propa (o)	nes were obtained according to	reactions (a), (b), and
Gransicia + ($\begin{array}{l} H_{3}SiCl_{4} + R\dot{M}_{g}Br \rightarrow C\dot{H}_{4}(R)SiCl_{4}, \\ CH_{2} = CHCH_{1}MgBr \rightarrow CH_{4}(R)CISiCH_{3}CH = \end{array}$	(a) CH _{te} (b)
	CISICH ₁ CH = CH ₁ + HSi(CH ₁) ₁ Cl $\xrightarrow{H_1PtCl_1}$ + CI(CH ₁)(R)SiCH ₁ CH ₁ CH ₁ Si(CH ₁) ₂ Cl,	(c)
R	$= CH_{\mathfrak{s}}, C_{\mathfrak{s}}H_{\mathfrak{r}}, C_{\mathfrak{s}}H_{\mathfrak{s}}, C_{\mathfrak{s}}H_{\mathfrak{s}}, C_{\mathfrak{s}}H_{\mathfrak{s}}, Cl.$	
R The properties of the newly spectra were obtained and co on two spectrophotometers: a	synthesized substances are giv ompared with other compounds. a VIKS M-3 with an NaCl prism ($D-700 \text{ cm}^{-1}$). The spectra are i	en in a table. The IR These spectra were studied
The properties of the newly spectra were obtained and co on two spectrophotometers: a INS-14 with a KBr prism (400 the inclosure. Orig. art. h ASSOCIATION: Institut element	synthesized substances are giv ompared with other compounds. a VIKS M-3 with an NaCl prism ($D-700 \text{ cm}^{-1}$). The spectra are i	These spectra were studied $700-1500 \text{ cm}^{-1}$) and an llustrated in Pig. 1 on
The properties of the newly spectra were obtained and co on two spectrophotometers: a INS-14 with a KBr prism (400 the inclosure. Orig. art. h ASSOCIATION: Institut element	synthesized substances are giv ompared with other compounds. a VIKS M-3 with an NaCl prism (D-700 cm ⁻¹). The spectra are i has: 1 table and 1 figure.	These spectra were studied $700-1500 \text{ cm}^{-1}$) and an llustrated in Pig. 1 on
R The properties of the newly spectra were obtained and co on two spectrophotometers: a INS-14 with a KBr prism (400 the Employure. Orig. art. H ASSOCIATION: Institut element (Institute of Hetero-Organic	synthesized substances are giv ompared with other compounds. a VIKS M-3 with an NaCl prism (D-700 cm ⁻¹). The spectra are i has: 1 table and 1 figure. entoorganicheskikh soyedineniy, compounds, Academy of Sciences	These spectra were studied 700-1500 cm ⁻¹) and an llustrated in Pig. 1 on Akademii nauk SSSR s SSSR)

	L 33254-66 $EWP(j)/EWT(m)$ RM	· • · • • •
	ACC NR: ARGO16189 SOURCE CODE: UR/0058/65/000/011/1024/102	: 1[1]
	AUTHOR: Chunayevskiy, N. A. 42	
h	TITLE: Concerning certain regularities in the vibrational spectra of organic \mathcal{B} compounds of elements of groups IV-B and V-B	
	SOURCE: Ref. zh. Fizika, Abs. 110177	
	REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR. t. 3 nm 1 20Ch 84 oc	
	TOPIC TAGS: conjugate bond system, spectrum analysis, vinyl compound, vibration spectrum, nuclear shell model	
「「「「「「「」」」」」	ABSTRACT: The author investigated regularities in the vibrational spectra of organic compounds containing IV-B elements (Si, Ge, Sn) and V-B elements (P, As, Sb). Several common features manifest in the closeness of the oscillation frequencies of the fragments of the investigated compounds, and particularly of C=C oscillations, are established. It is deduced that the C=C bond in the organo-elemental vinyl derivatives of elements of the IV-B and V-B groups differs from the S=C bond in elements of the IV-B and V-B groups are common is due to the structure of the outer layers of the electron shells of these elements. [Translation of abstract]	
	SUB CODE: 20, 07	
	Card 1/1 ply	

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CHUMAYEVSKIY, N.A.; BORISOV, A.Ye.

'MIRA 18:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. Submitted

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GREYNER, Gans Rolandovich; IL'YASHENKO, Vladimir Pavlovich; PERVUSHIN, Nikolay Nikolayevich; CHUMAYEVSKIY, Viktor Alekseyevich; GEYNRIKHS, G.K., kand.tekhn.nauk, retsenzent; SEKUNOVA, O.N., nauchn.red.; SINITSIN, A.I., nauchn.red.; VASIL'YEVA, N.N., red.; FRUMKIN, P.S., tekhn. red.

> [Automatic control of air pump compressor plants] Avtomatizatsila vozdushnykh porshnevykh kompressornykh ustanovok. Moskva, Sudpromgis, 1963. 147 p. (MIRA 16:8) (Air compressors) (Automatic control)
"APPROVED FOR RELEASE: 06/12/2000

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TARASKINA, K.V.; CHUMBALOV, T.K.

Nepedine from Tien Shan dock (Rumex tianschanicus A.Les) and herse deck (Rumex confertus Willd). Vest. AN Kazakh. SSR 12 no.7:107-111 J1 (MIRA 9:9)

1. Predstavlena akademikem AN KazSSR M. I. Geryayevym. (Dyes and dyeing) (Rumex)

CHUMBALOV, T.K.; KIL', T.A.

Chemical composition of the "kermek" (Statice Gmelini Willd) tanning root. Part 1: Flavone dyes. Izv.vys.ucheb.zav.; khim.i khim.tekh. 5 no.l:150-154 '62. (MIRA 15:4 (MIRA 15:4)

1. Kazakhskiy gosudarstvennyy universitet imeni Kirova, kafedra organicheskoy khimii.

(Flavones)

CHUMBALOV, T.K.; KIL', T.A.

Chemical composition of the Statice gmelini Willd tanning root. Part 2: Leucoanthocyanidins. Izv.vys.ucheb.zav.;khim.i khim.tekh. 5 no.2:318-321 '62. (MIRA 15:8)

1. Kazakhskiy gosudarstvennyy universitet imeni Kirova, kafedra organicheskiy khimii. (Tanning materials) (Leucoanthocyanidins)

APPROVED FOR RELEASE: 06/12/2000

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000509120009-5

CHUMBALOV, T.K.; PASHININA, L.T.

Study of the catechins of the mountain rhubarb. Biokhimiia 27 (MIRA 15:11) no.4:651-655 J1-Ag '62.

1. The Kasakh State University, Alma-Ata. (RHUBARE) (CATECHOL)

TARASKINA, K.V.; CHUMBALOV, T.K.

Anthraquinone dyes of Tatar rhubarb (Rheum Tataricum L.Fil). Izv.vys.ucheb.zav.;khim. i khim.tekh. 6 no.2:305-309 '63. (MIRA 16:9) 1. Kazakhskiy gosudarstvenny, universitet imeni Kirova, kafedra organicheskoy khimii.

(Kazakhstan--Rhubarb)

CHIMBALON, T.K.; MUZYCHKINA, R.A.

Parastormations of natural anthraquinone dysing substances. Report No.1. Nitrogen-containing derivatives of chrysophanic acid. Khim. prired. soed. no.5:360-363 '65.

(MIRA 18:12)

1. Kazakhskiy gosudarstvannyy universitet imeni S.M. Kirova. Submitted February 10, 1965.

APPROVED FOR RELEASE: 06/12/2000

TEGISBAYEV, Ye.T.; CHUMBALOV, T.K.; ABUBAKIROV, N.K.

Triterpene glycoside silenoside from the roots of bladder campion. Rast. res. 1 no.1:102-106 '65. (MIRA 18:6)

1. Alma-Atinskiy gosudarstvennyy meditsinskiy institut; Alma-Atinskiy gosudarstvennyy universitet im. S.M. Kirova i Institut khimii rastitel'nykh veshchestv AN UzSSR, Tashkent.

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<u>L 16469-66</u> EWT(ACC NR: AP6005533	m)/EWP(t) IJP(c) JD/DM SOURCE CODE: UR	R/0089/66/020/001	/0054/0055	
AUTHOR: Zeynalov,	E. I.; Obaturov, G. M.; Shalin, V. A.;	; Chumbarov, Yu.	<u>K.</u> 41.	
ORG: none			B	
TITLE: Using indig	m in neutron film badges 19,85			
	energiya, v. 20, no. 1, 1966, 54-55			
TOPIC TAGS: radiat	ion dosimeter, neutron radiation, gamm	na radiation, ind	lium	-
shield designed for given comparing the thermal and interme may be used with RM neutron doses from tion doses from 0.0	nors describe the IFKNG film badge with r thermal and intermediate neutrons and e theoretical and experimental values f ediate neutrons on these badges. It is 4-5-4 x-ray film for simple and accurat 0.005 rem, intermediate neutron doses D15 r in mixed fields of neutron and γ -	l γ -radiation. A for the relative s found that the ce measurement of from 0.03 rem an	table is effect of IFKNG badge thermal d γ-radia-	
	b has: 1 figure, 1 table, 1 formula. SUBM DATE: 10Sep65/ ORIG REF:	000/ OTH REF	r: 000	and a
Cand 1/1 MC.	UDC: 539.10	•	2	2

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CHUMBAROVA, A.A.

BOBROV, A.R.; SIBIRYAKOV, A.A.; AKATNOV, I.N.; BIL'DE, A.E.; KOZIN, A.I., GROSMAN, I.S.; BASKAKOV, A.I.; YATSYSHIN, A.M.; TRUNOV, A.F.; KUTUZOV, N.L.; VICHIK, YA.B.; CHUMBAROVA, A.A.; PRYAKHIN, R.I.; ZINOV'YEV, N.I.; MIKHAYLOVA, S.T.

Georgii Alekseevich Uarov. Muk.-elev.prom. 21 no.1:31 Ja '55. (MIRA 815) (Uarov. Georgii Alekseevich, 1898-1954)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000509120009-5"

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Fifth Congress of the Pharmaceutical Society of the German Democratic Republic. Aptech. delo 12 no.3878-81 My-Je⁸63 (MIRA 1782)

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216368

MSHVIDOBADZE, A.Ye.; CHUMEURIDZE, B.I.; SARDZHVKLADZE, O.V.

Fluorescence chromatographic analysis of synthetic antimalarial preparations. Aptech. delo 12 no.3:36-39 My-Je*63 (MIRA 17:2)

1. Kafedra farmatsevticheskoy khimii Tbilisskogo meditsinskogo instituta.

ABADZHYAN, K.A., inzh.; CHUMBURIDZE, G.K., inzh.

Use of a concrete pump in the construction of tunnels under water. (MIRA 15:1) Energ. stroi. no.20:103-105 '61.

1. Tbilisskiy nauchno-issledovatel skiy institut sooruzheniy i gidroenergetiki imeni A.V Vintera. (Concrete construction) (Tunnel lining)

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CIA-RDP86-00513R000509120009-5

TOKACHIROV, V.A., kand.tekhn.nauk; CHUMBURIDZE, G.K., inzh.

Comparison of Soviet and forgign methods of calculating the linings of pressure tunnels for internal pressure. Gidr. stroi. 32 no.2:41-44 F '62. (MIRA 15: (MIRA 15:7)

(Tunnel lining)

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000509120009-5

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CHUMBURIDZE, I. P. Chumburidze, p at the Arman Circuit Eventer "Dal Automatic Repeter-Type Break-In at the Arman Difference of the Circuit hookings for status of multiple automatic repeater-type break-in systems. All have been very complex, horever, re- simple dual automatic repeater-type break-in system requiring minimum of relays. States that same syst. IC DEER/Electricity (Contd) Dec 1947 the be adopted for multiple AND. States that system has been in effect for dig years at ArmenEnergo, and during periods of operations. No errors evidenced for periods of operation. 50712	
	6 5
Power Plants, Elec Circuit Ereakers Automatic Repeate o," Docent I. P. C tricheskiye Stants articles have desc d. of multiple automatic r d. dual automatic r ing minimum of re adopted for multi- en in effect for S d to operate 270 t periods of operat	USER/Electricity
(Contd) for 82 270 tile perati	
Porer Plants, Electric Girouit Breakers Automatic Repeater-Type B o, Docent I. P. Chumburid tricheskiye Stantsiin No tricheskiye Stantsiin No articles have described that i of multiple sutomatic repeater of dual automatic most relays dual automatic repeater-t ing minimum of relays. St en in effect for Sk years d to operate 270 times. N periods of operation.	
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den geoku	
the Arman break-in sver, re- describes forme system ergo, and videnced videnced	
Soria for and for a straight for a s	5
Repeater-Type Break-In at the Armen- I. P. Chumburidze, g p a Stantsil" No 12 ave described the circuit hookups for ple automatic repeater-type break-in system of relays. Author describes matic repeater-type break-in system m of relays. States that same system or for 82 years at ArmenEnergo, and to 270 times. No errors evidenced f operation. 50712 50712	

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000509120009-5

LHUMBURIDLE, I.P.

Subject	:	USSR/Electricity	AID P - 1296
Card 1/1	P	ub. 27 - 20/30	
Author	:	Chumburidze, I. P.	
Title	:	N. N. Krachkovskiy's article: "Interconn of hydroelectric power stations" (Elektric 1953) (Discussion)	ection diagrams chestvo, #11,
Periodical	:	Elektrichestvo, 1, 75-76, Ja 1955	
Abstract	:		atements con-
Institution	:	ARMENENERGO	
Submitted	:	No date	

CHUMBURIDZE, I.P., dotsent.

Transcaucasian conference of readers of "Elektrichestvo." Elek-trichestvo no.2:90-91 F '56. (MLRA 9:5) (MLRA 9:5) (Electric engineering--Periodicals)

CHUMBURIDZE, I.P. متعفينا ومعاف فالوفية المانت تردارا والمسالم

Conference of readers of "Electricheskie stantsii" held in Erivan. Elek.sta. 28 no.1:94 Ja '57. (MLRA 10: (Erivan--Power engineering--Congresses) (MLRA 10:3)

CHUMBURIDZE, I. P.

"Main Electrical Connection Systems for Hydroelectric Power Plants and Substations." \$ 44

in book - New Deveopments in the Design of Electric Equipment for Hydroelectric Power Plants, 1957. 222 p. <u>Moscow-Leningrad, Gosenergoizdat</u>. (Data of the Conference on Design and Operation, Moscow, 16-24 May 1956.)

8(6), 14(6)

SOV/112-59-2-2746

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 2, p 65 (USSR)

AUTHOR: Chumburidze, I. P.

TITLE: Main Schemes of Electrical Connections of a Hydroelectric Generating Station and Substation (Glavnyye skhemy elektricheskikh soyedineniy gidroelektrostantsii i podstantsii)

PERIODICAL: V sb.: Novoye v proyektir. elektr. chasti gidroelektrost. M.-L., Gosenergoizdat, 1957, pp 44-49

ABSTRACT: There is no single opinion in selection of the main scheme of electrical connections for a hydroelectric station and substation. Usually, two types of schemes are compared: the ring-bus scheme and the straight-bus scheme. In addition to reliability and economy, the main schemes must provide for flexibility and convenience in operation. Bus-failure causes are analyzed on the basis of published data and operating experience, and the conclusion drawn that nearly all possible causes of bus outage can be eliminated by using modern

Card 1/2

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SOV/112-59-2-2746

Main Schemes of Electrical Connections of a Hydroelectric Generating Station . . .

high-quality equipment and highly qualified service personnel. The article proves that the buses are one of the most reliable elements of the switchgear. In connection with a limited number of service personnel, automation and telemechanical devices should be used; they require strict scheme clarity and flexibility. A detailed survey of various double-bus schemes is made, ranging from the usual double-bus single-breaker scheme up to sectionalized-bus transfer-type schemes that ensure reliability, flexibility, and structural simplicity of the switchgear. A brief characterization of every scheme is given. The conclusion is offered that with 4 feeders or less, the ring-bus scheme and the "bridge"-type scheme are expedient for hydroelectric generating stations and substations; with more than 4 feeders, double-bus schemes; for important plants, more flexible sectionalized-bus schemes. The simplest schemes with a minimum number of breakers or with no breakers, or schemes with a minimum number of interconnections are not considered.

S.S.L.

Card 2/2

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CHUMBURIDZE, I.P., dotsent; BELOUSOV, M.M., kand.tekhn.nsuk

Discussion of I.A. Syromiatnikov's article "Principal trends in carrying out complete electrification." Elektrichestvo no.2:87-90 F '61. (MIRA 14:3)

1. Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov Gruzinskoy SSR.

(Electrification) (Syromiatnikov, I.A.)

APPROVED FOR RELEASE: 06/12/2000

CHUMBURIDZE, I.P. (Tbilisi); VAYNSHTEYN, B.Z. (Tbilisi)

Voltage unification in the circuit control of the rolling stock. Zhel.dor.transp. 45 no.12:53-54 D '63. (MIRA 17:2)

1. Direktor Tbilisskogo nauchno-issledovatel'skogo elektrotekhnicheskogo instituta (for Chumburidze). 2. Rukovoditel' laboratorii Tbilisskogo nauchno-issledovatel'skogo elektrotekhnicheskogo instituta (for Vaynshteyn).

APPROVED FOR RELEASE: 06/12/2000

CHUMBURIDZE, I. T.

CHUMBURIDZE, I. T. -- "The Problem of Cortical Mechanisms of Disorders to Certain Heart Functions." Published by the Acad Sci Georgian SSR. Acad Sci Georgian SSR. Tbilisi State Medical Inst. Tbilisi, 1955. (Dissertation for the Degree of Candidate of Medical Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000509120009-5

CHUMBURIDZE	, I.T.	
USSR/Medicine -	Cardiology	FD-2794
Card 1/1	Pub 154-15/19	
Author	: Chumburidze, I. T.	
Title	: On the cortical mechanisms of the disturbance functions of the heart	of certain
Periodical	: Zhur. vys. nerv. deyat. 5, 281-287, Mar-Apr 19	955
Abstract	: Investigated the role of a disturbance in high activity in producing certain forms of function ogy of the heart. Administered carbocholine t and studied the effect on the cardiovascular s Graphs; electrocardiograms. Twenty-one refere USSR (15 since 1940).	onal pathol- co five dogs
Institution	: Experimental Department of the Institute of Cl Experimental Cardiology of the Academy of Scie Georgian SSR	inical and nces of the
Submitted	: September 13, 1954	
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CHUMBURIDZE, I.T.

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Effect of a disturbance of the dortical mechanisms on coronary circulation and conductivity of the heart. Soob. AN Grus.SSR 16 no.5:375-382 55. (MIRA 9:2)

1. Akademiya mauk Grusinskoy SSR, Institut klinicheskoy i eksperimental'noy kardiologii, Tbilisi. Predstableno deystvitel'nym chlemom Akademii N.D. TSinamdsgvrishvili.

(Heart) (Nervous system, Parasympathetic)

. .

KIPSHIDZE, N.N.; CHUMBURIDZE, I.T.; TVILDIANI, D.D.; DUMBADZE, Z.G.

Use of Likent's test in coronary insufficiency. Terap.arkh. no.6:97-102 '62. (MIRA 1) (MIRA 15:9)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy i klinicheskoy terapii (dir. - dotsent N.N. Kipishidze) Ministerstva zdravookhraneniya SSR.

(CORONARY HEART DISEASE) (ELECTROCARDIOGRAPHY)

KIPSHIDZE, N.N.; CHUMBURIDZE, I.T.; TVILDIANI, D.D.; DUMBEDZE, Z.G.

Changes in the duration of individual phases of mechanical systole of the left ventricule and pulse wave spread rate in arteries of elastic and miscular type in hypertension. Kardiologiia 3 no.3:27-33 My-Je¹63. (MIRA 16:9)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental(noy i klinicheskoy terapii (dir. - dotsent N.N.Kipshidae) Ministerstva zdravookhraneniya Gruzinskoy SSR. (HYPERTENSION) (PULSE) (HEART BEAT)

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TSINTSADZE, K.I.; ELIOZISHVILI, V.K.; CHUMBURIDZE, I.T.

Effect of chronic irritation of the gallbladder on the electrocardiographic indices of a dog and a rabbit. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 7 no.2:7-23 '61. (MIRA 17:1)

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GVANTSELADZE, Valentina Sergeyevna; MIKHARADZE, Shalva Kuz'mich; CHEABURIDZE, Irakliy Teymuravovich

> [Congenital heart defects; clinical aspects, diagnosis and surgical treatment] Vrozhdennye poroki serdtsa; klinika, diagnostika i khirurgicheskoe lechenie. Tbilisi, Izd-vo AN Gruz.SSR, 1963. 114 p. [in Georgian]

(MIRA 17:5)

MAKHARADZE, Sh.K.; KUTATELADZE, N.M.; CHUMBURIDZE, L.T., HARMANIDZE, A.I.

Experimental coronary angiography. Trudy Inst. Elin. i en per. kard. AN Gruz. SSR 8:559-563 '63. (MIRA 17:7)

1. Institut kardiologii AN GruzSSR, Tbilisi.

CHUMBURIDZE; O. G.

22723 Chumouridze, O.G. K Voprosu Kriptogennogo Peritonita-V Ogl: I. Chumouridze. Trudy (Toilis. Gos. Med. In-T), T. V, 1948, S. 351-357. -Na Grud. Yaz. - Rezyume Na Rus. Taz

So: Letopis', No. 30, 1949

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CHUMBUR IDZE, 0.G.

External secretory function of the pancreas in experimental gastric ulcer. Trudy Inst. fiziol. 3:132-140 '54. (MIRA 8:2)

1. Laboratoriya kortiko-vistseral'noy patologii. Zaveduyushchiy I.T.Kurtsin. (PEPTIC ULCER, experimental, . pancreatic secretion)

(PANCREAS, in various diseases, exper. peptic ulcer, secretory changes)
CHUMBURIDZE, O.G.

New experimental model of stomach ulcers of corticovisceral origin and the dynamics of change in the gallbladder motility caused by them. Soob. AN Gruz. SSR 32 no.3:679-686 D '63. (MIRA 17:11)

1. Institut eksperimental'noy i klinicheskoy khirargii i gematologii, Tbilisi. Predstavleno akademikom K.D. Eristavi.

SHVALEV, V.N.; CHUMBURIDZE, O.G.; ANDREYEVA, V.A.; VOLOSKOVA, V.Ye.; KURTSIN, I.T.

> Changes in the nervous apparatus of the stomach in experimental Changes in the nervous apparatus of the 500-400 Mr '63. peptic ulcer. Dokl.AN SSSR 149 no.3:703-706 Mr '63. (MIRA 16:4)

1. Institut fiziologii im. I.P. Pavlova AN SSSR. Predstavleno akademikom V.N.Chernigovskim. (STOMACK_INNVERVATION) (PEPTIC ULCER)

Country : USSR Catogory : Farm Animals. Q-2 Cattle. Abs. Jour : Ref Zhur-Biol., No 16, 1958, 74051 : Vardosanidze, D. G.; <u>Chumburidze</u>, S. I. : Georgia Zootechnical Veterinary Institute. Author Institut. : Blochemical Blood Indicators in Female Milch Title Buffaloes Kept in Stall-Pasture Conditions. : Materialy 12-y Naucin. konferentsii, posvyash-chen. 25-letiyu Gruz. Zootekhu.-vet. inta.* Orig Pub. : The blood of milth female buffaloes which were kept in stall-pasture conditions contained (in percent): 7.32 of general protein, 4.45 of al-bumin, 2.55 of globulin, and 0.31 of fibrino-gen. For female buffaloes koyt in pesture con-Abstract ditions the corresponding figures were 6.12; 3.65; 2.23 and 0.26. Card: 1/1 *Tbilisi, 1957, 43-44

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KIPSHIDZE, N. N.; CHUMBURIDZE, T. L.; TKESHELASHVILI, L. K.; TVILDIANI, D.D.; TORDIYA, M. V.; DUMBADZE, Z. G.; SALUKVADZE, N. S.; DIDE BASHVILI, A. A.; GAVAKHISHVILI, N. N.

Studies on Cardiovascular System, some Biochemical, Hematologic and Haemostatic Blood Indications in Old Age. Clinical Cardiology

Gerontalogy, 6th International Congress, Copenhagen, Denmark 11-16 August 1963

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CHUMENKOV, P.F., insh.

Experimental operation of the UTV-450 gas turbine injector on sliding bearings. Energomashinostroenie 7 no.9:36-37 S (MIRA 14:9) 161. (Gas turbines-Design)

PHASE I BOOK EXPLOITATION 955

Pisarevskaya, Klara Isidorovna; Chumichev, Aleksey Grigor'yevich; and Berezovskiy, Semen Mikhaylovich, Deceased

Ekspluatatsiya oborudovaniya dlya razdelki metallicheskogo loma (Operation of Equipment Used for the Preparation of Scrap Metal) Moscow, Metallurgizdat, 1958. 251 p. 3,000 copies printed.

Ed.: Gurvits, A.I.; Ed. of Publishing House: Lanovskaya, M.R.; Tech. Ed.: Bekker, 0.G.

PURPOSE: This book is intended for skilled workers, engineers, and technicians employed at scrap-preparation depots, scrap drops, and scrap shops, as well as at plants reprocessing secondary ferrous metals. The book may also be useful to students at metallurgical tekhnicums.

COVERAGE: Descriptions are given of equipment for processing iron and steel scrap, together with instructions for the operation and maintenance of the equipment, performance data, and information on

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Operation of Equipment (Cont.) 955 technological processes. In addition, systems of organizing scrappreparation operations are described. The authors express their thanks to P.V.Matveyev, Engineer, for his assistance in preparing the book. There are 8 references, all Soviet. TABLE OF CONTENTS: ٠ Preface 7 9 Introduction Ch. I. Breaking-up of Scrap with Skull Crackers 11 Gantry-type skull crackers 12 14 Tower-type skull crackers 18 Tripod skull crackers Break-up devices with derrick cranes 20 Basic parts and hoisting devices 21 Foundations, anvil blocks, and pits 21 Safeguards 31 Skull-cracker balls **3**2 Grip tongs and hooks 33 37 37 Electric winches

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CIA-RDP86-00513R000509120009-5 "APPROVED FOR RELEASE: 06/12/2000

SOV/130-58-6-7/20 Ful'makht, V.V., Kan, Ye.M. and Chumichev, A.G., Engineers AUTHORS: The Largest Installation in the World for the Continuous TITIE: Casting of Steel (Samaya krupnaya v mire ustanovka nepreryvnoy razlivki stali) Metallurg, 1958, Nr 6, pp 15 - 17 (USSR) PERIODICAL: The authors describe a four-machine, continuous-casting ABSTRACT: installation designed jointly by the Giprostal' and the Tsentral'nyy nauchno issledovatel'skiy institut chernoy metallurgii (Central Research Institute for Ferrous Metallurgy). This installation is being built in the melting shop of the Stalino Metallurgical Works for casting four billets or slabs simultaneously of carbon and low-alloy steels from 140-ton Thickness and width ranges are 120-250 and 600-1200 mm, respectively and casting speed is 0.6-1.2 m/min. All units are in a 25-m dia. reinforced concrete-faced pit with its bottom 24 m below floor level; the pouring platform is 3 m above it, The platform has four 14-ton tundishes, two of which are in reserve. The tundishes can be quickly moved with the aid of

rotary and lifting tables. The four moulds are of the independent-wall construction and each wall consists of an inner copper and an outer cast-iron plate with channels for cooling Cardl/3 water between them; the mould for a particular size of billet

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The Largest Installation in the World for the Continuous Casting of

is assembled in a special holder. There is a special device for lubricating the inner walls when pouring starts. The casting is started with the aid of three-part primer, 13.8 m long, with a swallow-tail top which forms a bottom for the mould. The primer is lowered by the machine roller system and is split into its component parts and stored. Each directing roller-section, with a total length of 10.5 m, consists of an upper and a lower part, the rollers being 140 x 1 200 mm. The billet is spray-cooled as it passes down the section and then enters the drawing stand provided with hollow, water-cooler rollers. Under each drawing stand is a flame-cutting installation which cuts the billet into lengths of 4.2 - 5.2 m. The cutting system descends at the casting speed and can be raised at 0.3 m/sec. The cut billets are raised by 16-ton lifts (one for each pair of machines) to the floor level. Instrumentation is provided on panels at the pouring and intermediate levels, television is available for remote observation and a loudspeaker system for intercommunication. A model of the installation is on exhibition at the Brussels fair. An annual saving of 9.4 Card 2/3

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SOV/130-58-6-7/20

The Largest Installation in the World for the Continuous Casting of Steel

> million roubles is expected from the use of the continuous instead of ordinary methods of casting. There are two figures.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (Central Research Institute for Ferrous Metallurgy)

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1. Steel - Casting 2. Industrial plants - Equipment

SIKIRYAVYY, A.G.; CHUMICHEV, A.S.; NIKOLAYEV, V.A.; TARANOVA, L.D.; GUSINSKAYA, M.S.

> Work of the separation plant of the Ertil' Sugar Factory. Sakh. (MIRA 13:8) prom. no.4:21-23 Ap 160.

> 1. Direktor Ertil'skogo sakharnogo zavoda (for Sikiryavyy). 2. Glavnyy inzhener Ertil'skogo sakharnogo zavoda (for Chumichev). 3. Nachal'nik planovogo otdela Ertil'skogo sakharnogo zavoda (for Taranova). 4. Pomoshchnik starshego khimika po separatsii Ertil'skogo sakharnogo zavoda (for Gusinskaya). (Ertil'--Sugar manufacture)

CHUMICHEV, D. A.

Density of Urban Population

Geogra Fiya V Shkole, Issus 6, November, December 1949. Article's Talinabad" (Moscow, Feb. 50)

CHUMICIEV, D. A.

House of Specialists of Ministry of Agriculture.

Geografiya V Shkole, Issue 6, November-December 1949. Article "Stalinabad." (Moscow, Feb. 1950)

CHUMITCHEV, D. A.

Coal Deposits

P: Geografiya V Shkole, Issue 6, Nov.-Dec. 1949, Article "Stalinabad" (Moscow, Feb., 1950)

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SO: LC, Soviet Geography, Part II, 1951, Unclassified

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CHUMICHEV, Dmitriy Aleksandrovich; DOBRONRAVOVA, K.O., redaktor; KOSHELEVA, S.M., tekhnicheskiy redaktor; MAL'CHEVSKIY, G.N., redaktor kart.

[Tadshik SSR] Tadshikakaia SSR. Moskva, Gos. isd-vo geogr. lit-ry, 1954. 126 p. (MLRA 8:2) (Tadzhikistan)

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CHUMM	:HEV, D.H.
AUTHORS:	Agakhanyants, O.Ye. and Selivanov, H.I. 12-1-21/26
TITLE:	None Given
PERIODICAL:	Izvestiya Vsesoyuznogo Geograficheskogo Obshchestva, 1958, # 1, pp 95 - 98 (USSR)
ABSTRACT :	The reviewers criticize a book "The Tadzhik SSR" (Tadzhikskaya SSR) composed by a large collective of authors (D.A. Chumichev, P.N. Ovchinnikov, A.V. Popov, Yu.L. Shchetkin, A. Dzhalilov, V.A. Kozachkovskiy, B. Kh. Karmysheva, M.R. Rakhimov, I.K. Narzikulov, S.L. Malayeva). This book gives a general picture of Tadzhikistan. A great part of the work is devoted to physico-geographical matters, connecting natural description with economic evaluations. However, there is a series of deficiencies such as problems of divisions into districts, which are insufficiently covered, wrong descriptions of some natural phenomena and erroneous economic recommendations. Many facts relating to nature and economics are obsolete. On the basis of the mentioned obser- vations the book cannot be recommended to a large circle of readers.
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