

	20-5-31/60
аџтно в	NAZAROV, I.N., member of the Academy, YANOVSKAYA, L.A., GUSEV, B.P., MAKIN, S.E. and NAZAROVA, I.I.
TITLB	NAZAROVA,1.1. The Synthesis of Geranylacetone, 3-Methylgerenylecetone, Pseudoionon and Pseudoiron. (Sintez geranilatsetona, 3-metisgeruciistetous, pseytoionons i pseydoirona kussien, pseytoionons i pseydoirona kussien,
PERIODICAL	Doklady Akademy Nauk SSSR 1957, Vol 714 M $_{3}$, pp 1029-1032 (U.S.S.R.)
ABS TRACT	In the course of systematic work on the synthesis of isoprenoid compounds a paper by Carrol attracted the attention of the author. That author reports that with the heating of linalool with acetoacetic ether, in the presence of a small amount of sodium alcoholate, gerany- lacetone with a 40-45 % yield develops. Kimel and Cope obtained 61 % linalylacetoacetate from interaction of inalool with diketone, in the presence of metallic sodium. Its pyrolysis at 170-235 % yielded 78 % gerany- lacetone. The authors thoroughly examined both synthesis warieties on linalool and 3-methyllinalool, in order to work out a production method for geranylacetone and 3-methylgeranylacetone. It was found out that reaction proceeds best at 150-180°C without any catalysts.
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STREET STREET 近 相包納 日時間 HARRING THE REAL Figure 201 dec. 20-5-31/60 The Synthesis of Geranylacetone, 3-Methylguranylacetone, Pseudaionon and Pseudoiron. 90-95% of the theoretical CO2-amount precipitate, and an elmost theoretical amount of algonial (with admixture of acetone) is distilled. Since the latter process is terpinated considerably earlier than the CO_-elimination, it may be assumed that the reaction paces the acetoacutete-stage. A system is given. This mechanism was proved by the authors for the reaction fetween dimethylwinyloarbinol and acetoacetic other. From a study of the second variety of synthesis the authors found that the acylation of linelool and methylinalool with diketone may beat be performed in the presence of pyridine or triethylamine, and not of metallic solium. Based upon the results obtained, the authors decided to investigate both varieties an dehydrolinalcol and 3-methyl dehydrolinalool, in order to work out synthesis methods for pseudopionon and pseudoiron. Sometime during the beginning of this work a paper by Lacey was published demonstrating the possibility of a synthesis of dienones on most simple ethinylcarbinols according to a general system mentioned here. The second half of the reaction the pyrolysis of acetoacetate, was performed by Lacey in the presence of small amounts of p-toluolsulfonic acid. This kind of diencae synthesis was thoroughly CARD 2/4

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20-5-31/60 The Synthesis of Geranylacetone, 3-Methylgeranylacetone, Pseudoionon and Pseudoiron.

國民化学者的政治、政治、管理部署的政治、政治管理部署的管理部署

studied in the laboratory of the authors. During the work the paper by Naves of the same topic was published. He also described a production method for 3-methylpseudoiron from 3-methyldehydrolinalool and a-methyl acetoacetic ether. Recently Preobrazhenskiy and collaborators wrote on this topic. The authors studied both synthesis varieties and found that the reaction between dehydrolinalool or J-methyl dehydrolinalcol and acetoacetic ether proceeds best at 120-180°C. The yield of pseudoionon and pseudoiron amounts to about 55 %. The acylation of dehydrolinalool or 3-methyldehydrolinalool by diketone proceeds best in the presence of pyridine or triethylamine. The pyrolysis of the two mentioned substances thus obtained was performed at 185-195° C. In this connection about 80 % of the theoretical CO2-amount.is obtained. The yield of pseudoionon and pseudoiron amounted to 50-55 %, of the initial materials. The cyclization of the thus obtained pseudionon with a mixture of sulfur- and ice-acetic acid gave ionon

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20-5-31/60 The Synthesis of Geranylacetone, 3-Methylgeranylacetone, Pseudoionon and Pseudoiron. with a 65 % yield. Experimental part with the usual date. (2 Slavic references) ASSOCIATION: "N,D. ZELZINSKY" Institute for organic chemistry of the Academy of Science of the U-SSR. (Institut organicheskoy khimii im.N.D. Zelinskogo Akair ... nauk SSSR) PRESENTED BY: _ 7.2.57 SUBLITTED: Library of Congress. AVAILABLE: CARD 4/4

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PERIODICAL:	Doklady Akolemii nase SSSR, 1999, Vol 122, Nr 1, Fi 82 - SJ (TSOR)
ABSTRADT: Card 1/4	Polyene all hydem and met mem are well an Wh. S send: then (strai, firmer,) occur in list re, others are intermediate products in the synthesis of propressis (Ref 1). Polyere cart myl someourls of unramified structure were, however, less carefully investigated though they may be used as intermediate products in the sont error of so important natural substates as futly acids and some types of subar. It is the aim of this paper to filly the method of allengue polycondemistion - in province this is the only possible method - to the substates rentioned in the title with a normal carbon claim. Thus, by

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科科科教育的学校学习的教育



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Synthesis of rangere Alternet of let or a ty S.V. 20-102-1-20, 44 Contempation of Aldeny e Abethic With Viscon of I propy. Ether aldehyde action (I) le de to d-ethoxy-heitene-5-On-2-setal (VIII) which, after superification of ne;tadiese=3,5=0n=2 (IX) yi its 51%. Anconting t the stop scheme numetrie e-3,5,7-On-2 (X) cut unlesstetrnere-3,5,7,9-06-2 (XI) were syntastized from sorbic allegyle neetals and octatriese-2,4, -Al. The structure of the Retones produced was proved by the hybrition to the corresponding saturated ket res which were identified as their derivatives. These are 8 references, just manare Seviet. ASSOCIATI N: Institut organizheukoy khimii in.N.L.Zelitik wo Akaletii nauk SSSR (Initiate of Granic Chemistry ideal N.D. Zelilskiy, AC UBCK, May 10, 1 2 STBMI.TED. Card 3/4

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> s/062/60/000/008/029/033/XX B013/B055

Kucherov, V. F., Kovalev, B. G., <u>Nazarova, I. I</u>., and AUTHORS: Yanovskaya, L. A.

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Application of the Wittig Reaction for the Synthesis of α, β -Unsaturated and Polyene Acids TITLE:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, PERIODICAL: 1960, No. 8, pp. 1512-1514

TEXT: This is a short communication on the investigation of the reaction of carboethoxymethylene triphenyl phosphorane (I) with various aldehydes. This investigation was undertaken with the purpose of synthesizing different polyene acids. It was found that (I) reacts readily with saturated, unsaturated, aromatic and heterocyclic aldehydes giving the corresponding ethyl esters of α,β -unsaturated acids in high yields. Particularly good results were obtained with polyenals polyene acid esters being formed in yields of over 80%. By hydrolysis of these esters with sodium hydroxide in aqueous methanol, the polyene acids, up to now difficultly accessible substances, were obtained in satisfactory yields. Owing to the simplicity of execution, general applicability high yields and purity of reaction Card 1/2

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Application of Synthesis of (Acids	f the Wittig Reaction for the $\alpha,\beta-$ Unsaturated - and Polyene	\$/062/60/000/008/029/033/XX B013/B055	. /
tion methods. prepare polye	Wittig reaction surpasses many It is undoubtedly one of the mo ne acids and their esters. Ther Soviet, 'US, 2 French, 5 Germ	st convenient methods to e are 1 table and 10	$\underline{\vee}$
ASSOCIATION:	Institut organicheskoy khimii nauk SSSR (Institute of Organic Chemistr Academy of Sciences USSR)		
SUBM IT TED :	January 15, 1960		



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ACCESSION NR: AP5012452		
heating of indole with an aqueous solution of dimethylamine. This indicat the product has a hydrofuran structure. It was discovered that diacetylen alcohol is completely decomposed when heated with dimethylamine, but that tylene glycol is not hydrated when heated in an aqueous potash solution. tylene glycol is not hydrated when heated in an aqueous potash solution. tylene glycol is not hydrated when heated in an aqueous potash solution. tylene glycol is not hydrated when heated in an aqueous potash solution. tylene glycol is not hydrated when heated in an aqueous potash solution. tylene glycol is not hydrated when heated in an aqueous potash solution. tylene glycol is not hydrated when heated in an aqueous potash solution. tylene glycol is not hydrated when heated in an aqueous potash solution. tylene glycol is not hydrated when heated in an aqueous potash solution. tylene glycol is not hydrated when heated with subseque if the actachment of secondary anines by an acotylene bond, with subseque splitting of the acetone molecule (and not the reverse). It is shown that various diacetylene tertiary glycols are heated with dimethylamine the co- various diacetylene tertiary glycols are heated with dimethylamine files takes place read	This apparent- nt t when	
sponding furancies form. The same contain the acetylene ring. The hydrath diacetylene alcohols that do not contain the acetylene ring. The hydrath the diacetylene system probably follows the same course. Orig. art. has the diacetylene system probably follows the same course.	15 ····	
ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo, Akademi SSSR (Institute of Organic Chemistry, Academy of Sciences, SSSR)	Li nauk	
SUBMITTED: 28Apr63 ENCL: 00 SUB CODE:	00,60	
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NAZAROVA, I.I., GUGEV, B.P.; KUCHEROV, V.r.

Regularities in the addition of secondary amines to diacetylen of alcohols. Izv. AN SSSR. Ser. khim. no.4:729-731 (05. MIRA 19:5)

1. Institut organickeskoy khimil im. N.J.Zelinskogo AN SCSP.







CIA-RDP86-00513R00113(口行行主义发展者和新闻的新闻和新闻和新闻 improved. tion. USSR "Acatylene Derivatives. 141. Heterocyclic Com-Sulfur heterocycles prepd by the action of H_2S on "Zhur Obshch Khim" Vol XXII, No 6, pp 984-989 bich, A. I. Kuznetsova; Inst of Org Chem, Acad Sci by Kizhner's Method," I. N. Nazarova, I. A. Gurof Tetrahydro- / -Thiopyrones and Their Reduction pounds. XVII. Structure and Mechanism of Formation USSR/Chemistry - Acetylene Derivatives On reduction of winyl allyl ketones have a 6-membered structure. USSR/Chemistry - Acetylene Derivatives yteld of 2-methyltetrahydro-1-thiopyrone-4-one was Lizhner's method the corresponding tetrahydro thiopyrones were obtained in a 60% yield. NAZAROVA, I. N. Discusses the mechanism of its formatetrahydro- V-thiopyrone by (Contd) The **Jun** 52 **Jun** 52 218723 218123

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CIA-RDP86-00513R00113("APPROVED FOR RELEASE: Wednesday, June 21, 2000 CLARK. UR/ BOOK EXPLOITATION AU5000994 Nazarova, Irina Varfolomeyevna Influence of the wind on air temperature in the European part of the U.S.S.R. (Vliyaniyo vetra ne temperaturu vozdukha Yevropeyskoy chasti S.S.S.R.) Leningrad, Gidrometeoizdat, 1964. 125 p. illus., biblio., append. Errata slip in-serted. 510 copies printed. (At head of title: Glavnoye upravleniye gidrometeorologicheskoy sluchby pri Sovete Ministrov S.S.S.R.) Managing editore V. S. Samoylenko; Editor: G. I. Slabkovich; Technical editor: M. I. Braynina; Proofroaders: T. V. Alekseyeva, Z. A. Belkina TOPIC TACS: air temperature, climatology, meteorological station, wind direction, wind velocity PURPOSE AND COVERAGE: In this booklet, the relationship between the air temperature and the wind direction and velocity in the European part of the U.S.S.R. is investigated by the method of dispersion analysis and on the basis of quantitative statistical characteristics obtained with the aid of punched-card calculators, utilizing observations from 63 meteorological stations. Maps of the distribution of air-temperature deviations, at different wind directions and velocities, VDC: 651.582.1 Cerd 1/2

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AM5000994 from the monthly average are presented and analyzed. A methodology is proposed for typing curves of complex climatic characteristics, and also a methodology for their machine manipulation. TABLE OF CONTENTS: Introduction - - 3 Ch. I. Brief history and statement of the problem - - 5 Ch. II. Brief characterization of factors affecting air temperature - - 7 Ch. III. Preliminary investigation of the dependence of air temperature in the European territory of the U.S.S.R. on wind direction and velocity by the mothod of dispersion analysis - - 9 Ch. IV. Mechanization of manipulation of complex climate characteristics - - 21 Ch. V. Climatic evaluation of the effect of wind direction and velocity on airtomporature conditions in the European territory of the U.S.S.R. - - 41 Conclusions - - 94 Appendix - - 100 Literature - 97 /OTH REF.006 /SUBM DATE: 13May64 /SOV REF: 048 SUB CODE: 04 Card 2/2

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NAZAROVA, L.A.

派和自己的问题。

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	: Ref Zhur - Biol., No 21, 1958, No 9710h	
Abs Jour		
Author	1 Nazarova, L.A.	
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Title	: Elood Supply of Luscles of the Lower Extremity.	
Orig Pub	: Sb. Lauchn. rabot Kazansk. med. in-t, Kazan', 1957, 23-31	
Abotract	It was shown in 1,683 muscles (M) of 51 human lower extremities (LE) that M of LE receive nourishment from 1-12 sources. The number of main sources for M of the thigh is 1-6, of the calf 1-3, of the foot 1-2. Into the thickness of M of LE, 1-34 arteries of diam. 0.5- 4.5 mm. are implanted along in adults; in children, 1-33 arteries of diam. 0.2 -1.5 mm. The majority of M along their entire length receive short vascular branches, which are segmentally distributed in the mass of M and usually branch according to loose type. The amount of	
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计算法的问题

5(2) AUTHORS:	Chernyayev, I. I., Nazarova, L. A., SCY/75-4-4-7/44 Mironova, A. S.
TITLE:	Nitrito Compounds of Tetravalent Platinum. Communication I. (Nitrosoyedineniya chetyrekhvalenthcy Schahcheniye I)
PERIODICAL	Zhurnal neorganicheskoy khimil, 1959, Vol 4, Br 4, 747-754 (USSR)
ABSTRACT :	The mechanism of the reaction between sodium nitrite and sodium hexachloroplatinate was investigated. The synthesis of nitritoplatinum compounds and an investigation of the intermediate complex compounds formed were carried out. The reaction between sodium chloroplatinate and sodium nitrite apparently occurs first through a reduction sodium nitrite apparently cours first through a reduction of the tetravalent platinum compound to yield platinum (17) of the tetravalent platinum compound to yield platinum (17) nitrito group and the Pt(II) is finally oxidized to Ft(IV). The preparation of the mononitrito- and dimitrito chloro compounds of platinum (IV) is very difficult. Tetra- and penta nitritoplatinates can be prepared more easily. Hexa nitritoplatinates cannot be prepared. The trinitrito-
Card $1/3$	Hexa nitritoplatinates cannot

制力的发展的关系,这些人的现在分词的现在分词的 他有别心想被引起来 SCV/78-4-1-7/41 Nitrito Compounds of Tetravalent Platinum. Communication I. and tetranitrito chlore compounds of platinum (IV, were isolated in the pirest form. The refractive indices of the crystals were determined, and specific reactions were carried out. The formation of the coordinates $NO_2 - NO_2$ in chloronitrito compounds of Pt(IV) sannot be carried cut by a substitution of the chlorine into the position trans to the nitrito group. The synthesis of potassium trinitrito trichloroplatinate is carried out by using a mixture of 3 g-moles $NaNO_2$ and 1 g-mole Na2PtCl6.6H20 with an excess of KNO2. Yellow prismatic crystals are firmed in this process. The compound formed has the composition $K_2[Pt(NO_2)_3Cl_3]$. By recrystallization from aqueous solution crystals of high purity were isolated. This compound crystallizes in two forms: facets and ribs. To ascertain each structure of the potassium trinitrito chloro platinate reactions with AgNO3 and tetrammino platinum chloride were carried cut. The synthesis of putassium tetranitrito dichloroplatinate Card 2/3



TITLE:	On Complex Compounds of Platinum and Dichloro Diethyl Sulphide (O kompleksnykh soyedineniyakh platiny s dikhlordietilsul'- fidom)
PERIODICAL:	Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 8, pp 1741 - 1746 (USSR)
ABSTRACT :	In contrast to thiourea and organic monosulphides $(R-S-R)$ di- chloro diethyl sulphide $S(C_2H_4Cl)_2$, termed also as yperite, is
	capable of entering the internal sphere of the platinum com- plex compound only with maximally two molecules and it is not capable of substituting ammonia or amines. The platinum com- plex compounds of yperite are very unstable, an yperite mole- cule is easily separated by heating. Yperite reacts especially easily with acido complex compounds of platinum. With K [PtCl.]
	it forms an almost quantitative precipitate of the composition $Pt2S(C_2H_4C1)_22C1$ the trans-form of which was confirmed by the
ard 1/2	reaction with NH ₃ : amino-thioglycol-electrolyte

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

CIA-RDP86-00513R00113("APPROVED FOR RELEASE: Wednesday, June 21, 2000 中国的历史和国际委员家自己出现的问题。 **治学的社会教授**初子学生学会 On Complex Compounds of Platinum and Dichloro SOV/78-4-8-7/43 Diethyl Sulphide [Pts(C2H40H)2(NH3)3] Cl2 is formed. NH3 thus has not only displaced the two chlorine substituents but also one molecule of yperite which may be explained by the trans-effect. The saponification of yperite_into thioglycol took place due to the NH₃ excess. With K_2 [PtNO₂Cl₃] yperite reacts under formation of $[Pt2S(C_2H_4Cl)_2NO_2Cl]$ with cis-configuration, as was proved by the reaction with pyridine, Since yperite is not capable of displacing NH, from the platinum complex compounds it substitutes the two chlorine atoms in cis-position in the cis-dichloro diamino platinum. Also in the reactions with tetravalent platinum only two yperite molecules act and are saponified. It was found that under the action of pyridine a mixture of cis- and trans-isomers is formed. There are 6 Soviet references. ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova Akademii nauk SSSR (Institute of General and Inorganic Chemistry imeni N. S. Kurnakov of the Academy of Sciences, USSR) SUBMITTED: May 16, 1958 Card 2/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000



AVTOKRATOVA, I.D.; ANDRIANOVA, O.N.; BABAYEVA, A.V.; BELOVA, V.I.; GOLOVNYA, V.A.; DERBISHER, G.V.; MAYOROVA, A.G.; MURAVEYSKAYA, G.S.; NAZAROVA, L.A.; NOVOZHENYUK, Z.M.; ORLOVA, V.S.; UCHAKOVA, N.I.; FEDOROV, I.A.; FILIMONOVA, V.N.; SHENDERETSKAYA, Ye.V.; SHUBOCHKINA, Ye.F.; KHANANOVA, E.Ya.; CHERNYAYEV, I.I., akaderik, otv. red.

化学疗法治学会 引导

[Synthesis of complex compounds of platimum group metals; a handbook] Sintez kompleksnykh soedinenii metallov platinovoi gruppy; spravochnik. Moskva, Izd-vo "Nauka," 1964. 33F p. (MLA 17:5)

1. Akademiya nauk SSSR. Institut obshchey i neorganicheskoy khimii. 2. Institut obshchey i neorganicheskoy khimii AN JSS (for all except Chernyayev).

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	AUTHOR: Nazarova, L. C. TITLE: Loussen of antenna gain in tropospheric radio propagation (
TAD.	SOURCE: Elektrosvyaz', no. 4, 1965, 71-75	•
	TOPIC TAGS: tropospheric radio propagation, centimeter band, decimeter band, antenna gain, antenna loss	
	ABSTRACT: Losses in antenna gain in long-distance tropospheric radio propagation have been studied on the basis of data compiled for the centimeter and decimeter bands in the U.S., England, Japan, and the USSR for the period 1955-1963. The data bands in the U.S., England, Japan, and the USSR for the period 1955-1963.	•
	include: length of propagation pain, occurring (G ₂) antennas, antenna system gain tennas, gain of transmitting (G ₁) and receiving (G ₂) antennas, antenna system gain (G ₁ G ₂), and ratio of the angle of dispersion to antenna beamwidth α/θ . An increase in losses was observed with increased G ₁ G ₂ , which can be expressed by the formula	
	losses was observed with increased G_1G_2 , which can be explored an asystems with $\Delta G_{ab} = (G_1G_2-35) \times 0.11$. The loss was noticeable only in antenna systems with $G_1G_2 \ge 35$ db. In determining the relationship between loss and distance, losses $G_1G_2 \ge 35$ db. In determining the relationship between loss and distance, losses along all the measured paths were referred to the system whose gain was 80 db.	1
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t] t	t distances of 500-600 km hc data were inconsistent .024 km, they reduced to ze between losses and waveleng ares, and 2 formulas.	; e.g., losses at 802	km were 13.5 dD, whi a with increasing a/(θ. No relation	
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Armand, N. A.; Vvedenski Kazakov, L. YA.; Kalin S.; Proaln, A.Y.; Rysk Tashkov, P. S.; Tikhon Chernyy, P. D.; Shabel Shur, A. A.;;YAkovlov, Upper tropospheric propa	y, B. A.; Gusyatinskiy, I. in, A. I.; Nazarova, L. G.; in, E. YA.; Sokolov, A. V.; irov, YU. A.; Troitskiy, V. 'nikov, A. Y.; Shiroy, R. A O. I.; Kolosov, H. A.; Lovahir agation of utrashort radio w granoniye ul'trakorotkikh ra adio", 1965. 414 p. 111us	Tarabov, V.A.; N. Pedorova, L. V.; .; Shifrin, YA. S.] J. I. F.; Lozakin, A. K. aves (Dal'neye dieveln) Moscow,	
copies printed. COPIC TAGS: radio wave p communication, space o ion, signal processing FURPOSE AND COVERAGE: working in the field distance radio communi- the advanced courses	propagation, tropospheric ra communication, tropospheric s g, signal distortion, field This monograph is intended f of radiowave propagation, de loation systems, and teacher in schools of higher technic or the most nart. heretofor	dio wave, radio catter communicat- theory for specialists migners of long- rs and students of cal education. The re unpublished	
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	Problems of investigating the troposphere of meteorological conditions and meteors, the mean level of signals, meteorological conditions of antenna-		
	topography, fluctuation of arrival angle of a and suick and slow		
	fadings of signal levels are discussed. The in time, space, fre-		
	quency and angle as well as the unbod The long-distance propagat-		
	ication systems are also investigated in method of calculating field		
	intensity at long-distance tropogne Distance Tropogneric Propagat-		
	ion which can be applied effectively choosed denship attention has		
	the investigation of that propagation, characteristics of geograph-		
	ical conditions of the territory involvemental data and in their	l	
	practical application because the contractions of ating over seas		
	arctic and tropical climates ulles the renograph deals with	Γ	
	the investigation of long ulstand one in the central part of the		
	out over dry land routes, 800 km long, in the vedenskiy and A, G. USSR under the general supervision of B. A. Vvedenskiy and A, G. Arenberg (up to 1957). V. I. Siferov investigated problems con-	F	
4	Arenberg (up to 195//. V. 1. Ollolov Interesting]	
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ACC HRI AM5027749 Bibliography -- 312 Ch. XII. Investigation of Amplitude-Prequency and Phase-Prequency Signal Characteristics at LTP -- 314 1. Measuring and processing methods of experimental data -- 314 2. Amplitude-frequency characteristics -- 321 3. Phase-frequency characteristics of LTP channel -- 325 4. Prequency characteristics of signal group time delay -- 334 Bibliography -- 350 Ch. XIII. Signal Distortion in LTP USW -- 351
1. Theoretical investigation of distortions appearing in multi-channel FM LTP communication systems -- 352
2. Experimental investigation of distortion in LTP -- 384 3. Distortions appearing during TV transmission over tropospheria radio links -- 389 Bibliography -- 392 Appendix Automation of Signal Statistical Processing -- 394 1. Quantification of continuous signals and coding -- 395 2. Signal quantification instruments -- 397 Card 9/10

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NAZAROVA, L.N.; SYRKIN, Ya.K.

Dipole moments of some derivatives of furan and thiophene. Zhur. Obshchey Khim. 23, 478-81 '53. (Ca 47 no.16:7847 '53)

1. I.Ta. Karpov Phys.-Chem. Inst., Moscov.

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Lard 1/1	Pub. 147 - 7/26
iuthors :	Nazarova, L. H.
Fitle !!	Dipole moments of certain triphenylmothane derivatives
Periodical :	Zhur. fiz. khim. 28/1, 36-41, Jan 1954
Abstract 1	The dipole moments were measured for the following triphenylmsthane derivatives: triphenylcarbinol, triphenylfluroromethane, triphenylchloro- methane, triphenylbromomethane, triphenyliodomethane, triparatolylchloro- methane, triphenylmethylsodium and sodiumthriphenylcarbinolate. The polarity of the 0 - Na bond in sodiumtriphenylcarbinolate was established at 1.62 D. The dipole moment of triphenylmethylsodium was found to be 10 times greater than the moment of aliphatic lithium derivatives. Only the dipole moments of triphenylcarbinol and halogen derivatives of tri- phenylchloromethane appear to correspond to the dipole moments of aliphatic derivatives. Nine references: 1-USSR; 3-USA and 5-German (1902-1952).
Institution :	Tables; drawing. The L. Ya. Karpov Physico-Chemical Institute, Moscow
Submitted :	February 16, 1953

NALAROVA, L.M.

 USSE/Chemical Technology. Momical Products and Their I-1: Application--Treatment of natural gases and petroleum. Metor fuels. Eubricants.

Abs Jour: Ref Zhur-Khimiye, Mc 3, 1957, 9308

Autho ·	;	Lavrovskiy, H. F., Makerov, D. V.,	and Mazarova, L M.
Inst	:	Petroleum Institute of the Academy	of Sciences USSR

Title : The Combined Deep-Sected Hydrogenation Method

Orig Pub: Tr. In-th mefti AN SSSR, 1956, Vol 8, 145-154

Abstract. The combined deep-scated hydrogenation of residual oils from Romasikin crude has been investigated in pilot plant inst lightens of the continuous type. The charge stock (1400.000, 10.3) boiling below 3500, 17.5, toiling forwern 350 and 4000) is mixed with 2% curven-base Fer-catalyst and subjected to a single-pass hydrogenation in a tubular reactor at 470° and 350 abo; the reactor throughput is 2.5 kg/liter/hour. A contact time of 3 min is used. The hydrogenate of a line in 30% yields is subjected

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JOSE/Chemical Auchinelegy. Carle 1 Products and Chefre 1-14 Application-True count of natural group and petrolaum. Lot of facts. Entricouts.

Abs John: Ref Zhur-Chiniy, 18 3, 1907, 9306

Austract: to distillation; considers beiling above 470° (7.8) of the residual cillohonge) and containing 23.8, asymptotes is any rated. A broad out (beiling below 470%), ont ining no asphaltenes, is sont through a second h droduction tractment over a highly below fixed and eatelyst (HoS₂) at 290-400° and 200 to; the throughput of the second stgr is 2.0 km/liter/here with a recycle coefficient of 1.0°. We personing of the couplest is observed and the pield of hydrogenate (dg? 0.7995, gesoline of bp below 200° 42,5°, ges oil of bp 200-34% 43.5°, and the by recerbons 22.5%, hephthenic the fill of the periods and by applie the of the second of periods and periods and hydrogenation to period and the second of the periods and hydrogenation to period and fill the periods are by the second hydrogenation.

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USSR/Chamical Tuchnology. Counterl Products and Their 1-14 Application--Thertheat of natural gases and petroleum. Motor fuels. Labricants.

Abs Jour: Ruf Zhur-Haimigh, No 7, 19.7, 9204

Abstract: in the cutput of useful products, lowers the H₁ requirements, and loads to the production of a ⁴ desulferized motor fuel of nigh quality requiring menutum trustment; the yield of the latter is 79.5% calculated on the residual oil charge. The flow sheet and equipment used is combined despseated hydrogenation are considerably simpler than these of industrial installations using fluidized eatalyst bass.

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TIC.	Investigations of the Mobil Persent and Its Derivatives wehange ("Bole loveniye pody benaole i gego proizvodnych	Meine the Sethod of a st viz.nosti stil'noy serve s
. TOTT SALLS	Zhurnal obstchey khimii, 12	58, Vol. (8, "r 8, pt 1
\$ ·* •	group exchange between only rivetives) and thyl phenol and ethyl bromide on the of decomposition of othyl benz metallic ethyl commonds, tertiary butyl benzene with cited. On the bisis of the and Tohl (Ref 3) (Anshyutty mobility of the othyl group othyl benzene in the presen- the Friedel-Crafts reaction in ethyl bromide, it car be	aper was concerned with the the 1 benzene (its o-, m-, and p-de- (o-, m-, and p-) on the one hand her. Also considered was the end in the presence of several nd for comparison the behavior of metallic ethyl compounds was work by Anechutz (Ref 2), Heise , Eheyze, Tel'), in which the was demonstrated for boilin- de of AlCl ₂ , and on the basis of , which indicates this mobilit- argued that the group exchange
	hatmoon othel huncane in' a	thyl bromide in the presence of

208/79-28-8-9, 66 investigations of the Mooility of the Lthyl Group an "thyl Benzene and for arivatives Uping the Method of Isotope Exchange 101, must take place. The investigations of the authors so however, show the opposite to be true, with the exception of the Priedel-Crift's calls. Here results show that the lack of decomposition in the care of ethyl benzene no thys: results from its dependence on the various 6-charger on a carton atoms of the ethyl groups in ethyl benzene and ethy bromide, in contrast to the charge requirements on the c rul: tore of the butyl groups. Ferking the ethyl groups with the found that at 150 ethyl benzene, nitroethyl benzene, nl several ethyl phenols do not exchange ethyl groups with ethyl bromide. Thyl benzene reacts with metallic ethyl compounds which tend to dissociate into ions $(C_2 H_5 MgBr, C_2 F_5 Mu)$. in contrast to ethyl benzene, the tertiory butyl hinz monotonic not lissociate its side chain long with the dissociation of athyl magnesium bromide or sodium athylate. The each instrupoint to the influence of the δ -charges on the carbon at π of the reacting groups. There are 1 table and 5 reference Card 2/T 1 of which is Soviet.







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NAZAROVA, L.M.; ALEKSANDROVA, G.Ye.

计记忆中国在中国

Relationship between the capacity of organometallic compounds for exchanging organic groups and their catalytic activity in **co**lymeri-zation. Vysokom.soed. 3 no.12:1822-1826 D *(1. (MIRA 15:3)

1. Fiziko-khimicheskiy institut imeni L.Ya.Karpova. (Organometallic compounds) (Polymerization) (Catalysis)

CIA-RDP86-00513R001136 APPROVED FOR RELEASE: Wednesday, June 21, 2000

HAZAROVA, L.H.

全主法權

Study of the nature of carbon-to-metal bonds by means of isotopic exchange. Part 2: Exchange of phenyl groups. Zaur. ob. khim. 31 no.4:1119-1121 Ap '61. (MIRA 14:4)

LENGTH AND THE TOP

北京市市市市市市市市市市市市市

1. Fiziko-khimicheskiy institut imeni L. Ya. Karpova. (Chemical bonds) (Phenyl groups)(Organometallic compounds)

D243/D304

2790/ S/079/61/031-010-006/010

5 :,700

AUTHORS: <u>Nazarova, L.M., Knarlamova, Ye. N., Aleksandriva,</u> 7. Ye., and El'tekova, Ye. B.

TITLE: Interaction of benzole with phenyl derivatives of elements in Group IV of the Periodic Table and of their molecular composition by methods whing tagged atoms

PERIODICAL: Zhurmal obsheney khimii, v 31, no. 10, . 41, 3308-3311

TEXT: The report was to fill a gap in literature and investigate further the 1:1 molecular combination of triphenylmethane and behzole described previously by Anschütz (Ref. 2: Lieb. Ann., 235, 208 (1886)). The combustion of the molecular compounds and benzole for activity analysis was effected by the method of moist oxidation with a Van Slayk-Fol'kh mixture, the carbon monoxide being absorbed by a saturated solution of barium hyirate which was later filtered, washed and drind. Activity measurements were

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113(EPR/ARG/ENG(s)=2/ENP(c)/ENT(d)/ENP(h)/FBD/FBO/FCS(k) Pn-4/Ps-4/Pw-4 L 62170-65 UR/0124/65/000/006/A006/A006 ACCESSION NR: AR5016487 da SOURCE: Ref. sh. Mekhanika, Abs. 6A43 AUTHORS: Vereshchagin, I. F.; Nazarova, L. P. THTER: Perailel approach of two points in an inclined plane C'T'm #CHEDE: Och. Bay. Permer. Mn-t, no. 138, 1964, 32-60 TOPER TARSI purenit doubles うちゃ そ ていていた はないないないたいないでしょうし FIGNELATION: The problem of the pursuit of a target moving uniformly in a norizontal straight line is solved. The pursuit of the target is produced according to the scheme of parallel approach. The forces of gravity and of drag of the surrounding medium are assumed to act on the pursuer. Control by the motion of the pursuer is accomplished by means of thrust directed in a plane perpendicular to the plane of pursuit and containing the velocity vector of the pursuer. Under these conditions the equations determining the trajectory of the pursuer motion are extracted and integrated in finite form. The trajectory of the purmuer is written in terms of exponential functions. Conditions are given for Card 1/2 ΞC

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	the time of interc	of the target occurs. eption is obtained. The hrust are not integrate y for the case of the p	e equations for d in the generation	r the magnitude and al form. Their inte	gration
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