

AUTHORS:

Yakubovich, A. Ya., Razumovskiy, V. V., 79-28-3-25/61

Belyayeva, I. N.

TITLE:

The Synthesis of Vinyl Monomers (Sintezy vinilovykh

monomerov).

III. Note on the Synthesis of Compounds With a Carbonyl

Group (III. Zamechaniye k sintezu soyedineniy s

karbonil'ney gruppoy)

PERIODICAL:

Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 3, pp. 680-682

ABSTRACT:

There are hints that in certain cases an easy course of the Mannichs reaction depends on the nature of the used base, Thus Levy and Nisbet (ref. 1) noted that 2-acetylfurfuran and formaldehyde enter intereactions with salts of dimethylamine and dipropylamine but never with a salt of diethylamine. Mannich and Heilner (ref. 2) described the synthesis of the phenylvinylketone when using the hydrochloride of dimethylamine. Joung and Roberts obtained the same ketone with the hydrochlorine of diethylamine. The authors synthetized the phenylvinylketone with the same salts; they found however,

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The Synthesis of Vinyl Monomers. 79-28-3-25/61 III. Note on the Synthesis of Compounds With a Carbonyl Group

that the reaction with the hydrochlorine of diethylamine takes place considerably slower and that the yield of the hydrochlorine of dialkylaminopropriophenon is smaller than with the use of the hydrochlorine of dimethylamine (63 to 75,5 % correspondingly). Phenylisopropyleneketone was synthetized from the hydrochlorine of dimethylaminemethylpropriophenon. It turned out that propriophenon and paraformaldehyde do not react with the hydrochlorine of diethylamine According to Mannich also the 2,5-dichlorophenylketone was synthetized anew. The 2.5-dichloroacetophenon and its paraform react only little with the hydrochlorine of diethylamine; easier, however, with that of dimethylamine. The ketone obtained here easily polymerizes in the distillation, even in vacuo and in the presence of an inhibitor. In publications referring to the most simple unsaturated aldehydes, the acroleine and methacroleine, only patent data are known on the synthesis of the oximes of these aldehydes. The authors synthetized in a new way the oxime of macroleine by reaction of the meta-macroleine with hydroxylamine (yield 65 %).

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The Synthesis of Vinyl Monomers. 79-28-3-25/61 III. Note on the Synthesis of Compounds With a Carbonyl Group.

There are 12 references, 4 of which are Soviet

SUBMITTED: January 24, 1957

Card 3/3

AUTHORS:

Yakubovich, A. Ya., Razumovskiy, V. V.

SOY/79-28-7-45/64

Vostrukhina, Z. N., Rozenshteyn, S. M.

TITLE:

Syntheses of Vinyl Monomers (Sintezy vinilovykh monomerov) III.On the Syntheses of the Vinylesters From Acet- and Chloromercuroacetaldehydes, and on the Mechanism of These Reactions (III.O sintezakh slozhnykh vinilovykh efirov iz atset-i khlor-

merkuratsetal'degidov i mekhanizme etikh reaktsiy)

PERIODICAL:

Zhurnal obshchey khimii, 1958, Vol 28, Nr 7,

pp 1930 - 1936 (USSR)

ABSTRACT:

The method of the reaction of acetaldehyde with the chlorine anhydride of the corresponding acid in the medium of a tertiary base described by A.M.Sladkov and G.S.Petrov (Ref 1) could not be proved by the authors in any case. In using pyridine, for instance, neither the vinylbencoate, vinylacetate nor the vinyl esters of butyric-, caproic- or chloroacetic acids were obtained although the conditions mentioned in carrying out the reaction were strictly followed. Besides, the crystalline depositions occurring in this reaction are not mentioned. The vinyl

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Syntheses of Vinyl Monomers, III. On the Syntheses of SOV/79+28-7-45/64 the Vinylesters From Acet- and Chloromercuroacetaldehydes, and on the Mechanism of These Reactions

esters of the phosphoric acids could be obtained by the reaction of the acetaldehyde with their chlorine anhydrides in the presence of triethylamine (Ref 3), the yield of vinylbenzoate amounting to 15% (Ref 3). In view of these facts another method of synthesis was tried (Ref 4) according to which the vinyl esters of a series of acids could be synthesized in good yields. Concluding the following results may be stated: In the synthesis of the vinyl esters of the carboxylic acids from acetaldehyde, acylchloride and pyridine only the chlorides of α -acyloxyalkylpyridinium could be obtained. In using triethylamine (instead cf pyridine) with benzoylchloride a vinylbenzoate (yield 15%) was obtained. By the direct coupling of the halogen anhydrides of the acids to the aldehydes the following compounds were synthesized: a-chlorethylacetate, a-chlorethylbenzoate, chloromethylmethacrylate, brom@methylmethacrylate, and α-chlorethylmethacrylate. This reaction is of general preparative character. By the reaction of monochloromercury acetaldehyde with the halogen anhydrides of the acids the vinyltrifluoracetate and the

Card 2/3

Syntheses of Vinyl Monomers. III. On the Syntheses of SOV/79-28-7-45/64 the Vinylesters From Acet- and Chloromercuroacetaldehydes, and on the Mechanism of These Reactions

vinyl-p-cyanobenzoate were synthesized. There are 20 references, 8 of which are Soviet.

SUBMITTED:

June 3, 1957

1. Vinyl esters--Synthesis 2. Acetaldehyde--Chemical reactions

3. Chemical reactions--Analysis

Card 3/3

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444

YAKUBOVICH, A.Ya.; RAZUMOVSKIY, V.V.; BELYAYEVA, I.N.

Synthesis of vinyl monomers. Part 3: A note to the synthesis of compounds with a carbonyl group. Zhur. ob. khim. 28 no.3:680-682 (MIHA 11:5)

Mr '58.

(Methacrylaldehyde) (Hydroxylamine)

RAZUMOVSKIN Y.F.

79-11-48/56 Razumovskiy, V. V., Rychkina, Ye. F. AUTHORS:

Structure and Reactivity of Aromatic Hydrocarbons. TITLE:

(Stroyeniye i reaktsionnaya sposobnost' aromaticheskikh

uglevodorodov).

II. On the Reaction of the Azobond of Phenylated Ethylenes With Hydrogen-Chloride-v-Nitrodiazobenzene (II. O reaktsii azosochetaniya fenilirovannykh etilenov s khloristovodorodnym

-nitrodiazobenzolom).

PERIODICAL: Zhurnal Obshchey Khimii, 1957, Vol. 27, Nr 11,

pp. 3143-3148 (USSR)

By the action of 1,1-diphenylethylene upon hydrogen-ABSTRACT:

chloride-p-nitrodiazobenzene in pyridine solution two compounds form: 1,1-diphenyl-2-,-nitrophenylethylene and T-nitrobenzyldiphenyl-carbinol. During further investigation of this reaction in an acetic solution the authors found that

nitrogen does not split off and that an azobond with

formation of 1,1-diphenyl-2,2-di-1-nitrobenzolazo)-ethylene occurs: $(C_6H_5)_2 = C(N_2C_6H_4NO_2)_2$. In order to prove that this

bond actually corresponds to a biazoformula, it was in the

presence of hydrochloric acid reduced with stannic chloride.

Card 1/3

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444

Structure and Reactivity of Aromatic Hydrocarbons. 79-11-48/56 II. On the Reaction of the Azobond of Phenylated Ethylenes With Hydrogen-Chloride-Hitrodiazobenzene

In the reduction products they found \(\Gamma\)-phenylenediamine which was for identification converted to quinonedichlorimine. It was shown that 1,1-liphenylpropene-1 in reaction with hydrogen-chloride-p-nitrodiazobenzene in a pyridine solution hydrogen-chloride-p-nitrodiazobenzene in a pyridine solution hydrogen-chloride-p-nitrophenylpropene-1 and 1,1-diphenyl-yields 1,1-diphenyl-? \(\Gamma\)-nitrophenylpropanol, but that in an acetic solution the extremely unstable 1,1-diphenyl-2-\(\Gamma\)-nitrobenzolazo\)-propene-1 extremely unstable 1,1-diphenyl-2-\(\Gamma\)-nitrobenzolazo\)-propene-1 develops. In the reaction of 2-phenylpropene with hydrogen-chloride \(\Gamma\)-nitrodia benzene in an acetic solution two products are obtained: \(\Gamma\)-nitrophenyl-2-phenylpropene-1 and the unsymmetrical di-\(\Gamma\)-nitrobenzolazo\)-methylphenylethylene. The infrared spectra cannot, as the authors earlier thought, serve as means of proving the structure of the compounds obtained. There are 1 fi ure, and 5 references, 3 of which are Slavic.

card 2/3

Structure and Reactivity of Aromatic Hydrocarbons. 79-11-48/56 II. On the Reaction of the Azobond of Phenylated Ethylenes With Hydrogen-Chloride 77-Nitrodiazobenzene

ASSOCIATION: Leningrad Electrotechnical Communications Institute

(Leningradskiy elektrotekhmichoski, austitut svyazi).

SUBMITTED: November 9, 1956

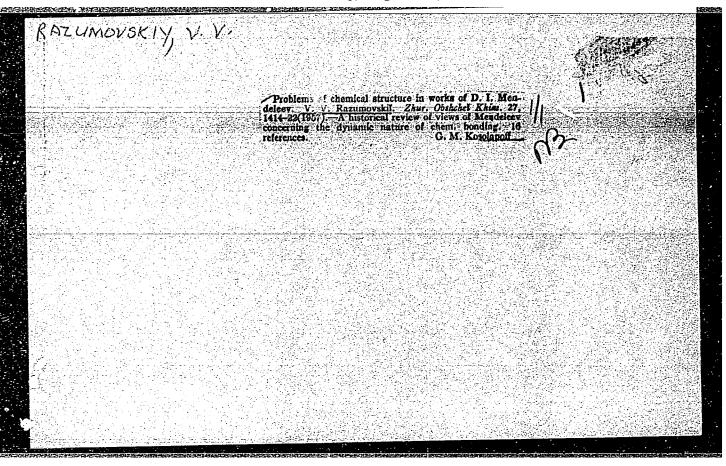
AVAILABLE: Library of Congress

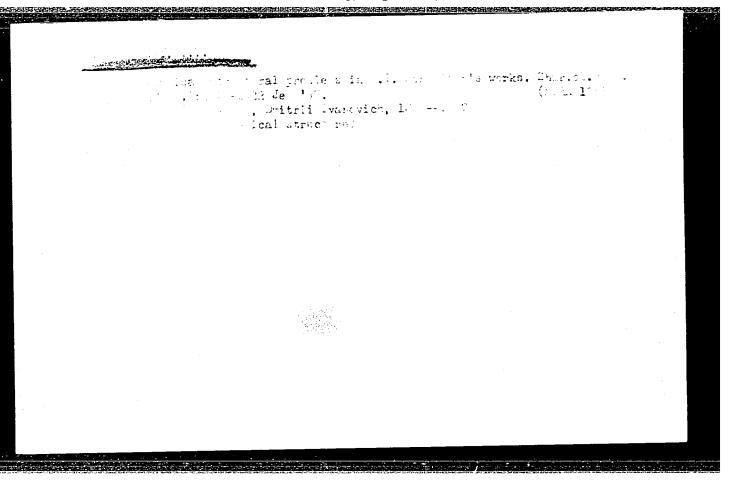
1. Phenylated ethylenes - Chemical reactions

2. Hydrogen-chloride- 7-nitrodiazobenzene - Chemical reactions 3. Cyclic compounds - Chemical reactions

Card 3/3

1. 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Partner
Breumarsky VV	
Recurrence structure and reactivity of tree radicals V V Recurrence [Inst. Blectrotich Commun. Leningrad]. Zaur. Ovidence Kaiss. 27, 1216-17(1957).—The relative reactivities of commonly known org. free radicals are discussed in light of the probable electron demand or supply by the groups attached to the atom bearing the odd electron. The literature on the subject is briefly reviewed. [Inst. Blectronic structure of tree radicals V V [Inst. Blectronic structure of tree radicals are discussed in light of the probable electron demand of supply by the latest of tree radicals are discussed in light of the probable electron demand of supply by the latest of tree radicals are discussed in light of the probable electron demand of supply by the latest of tree radicals are discussed in light of the probable electron demand of supply by the latest of tree radicals are discussed in light of the probable electron demand of supply by the latest of tree radicals are discussed in latest of tree radicals are di	
literature on the subject is briefly reviewed. Crist R 1/462e (f)	





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RAZUMOV	3K1Y, V.V.			
	etr. C structu	problem of structure of organic molecules. V. 1005kil. Zhur. Obshchei Khim. 25, 1235-96 (1955). Cal. A defense is presented for the views of R. on tructure which is based on "electronic tautomerism. A. 40, 6075'), according to which, variability ures can exist in some substances owing to the var of residence time of the planetary electrons in ty of one or another atom in the total structure. aces. Also in J. Gen. Chem. U.S.S.R. 25, 1183 (Engl. translation). G. M. Kosoland	the	

RAZUMOVSKIY, V.V. V.V.Markovnikov's scientific legacy ("Selected works". V.V.Markovnikov. Reviewed by V.V.Razumovskii).Vest.AN SSSR 26 no.8:130-133 Ag '56. (Chemistry)(Markovnikov, V.V.) (Chemistry)(Markovnikov, V.V.)

RAZUHOVSKIY, Ye. a.

"Characteristic of the Temperature Dependence of the Viscosity of Lubricating Oils by the Method of Blowing off a Fine Layer." Sub 15 Nov 51, Inst of Petroleum, Acad Sci USSR

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

BOLDIN, K.M. (Yaroslavl'); DROZDOVA, Z.S.; LEVIN, R.I.; VAYSMAN, L.A. (Kuybyshev-obl.); PODOSINOVSKIY, V.V.(Kazan'); SAYFULLINA, Kh.M. (Kazan'); EUSYGIN, N.V.(Kazan'); RAZUMOVSKIY, Yu.K. (Leninogrosk); GEL'FER, G.A., dotsent (Gor'kiy); MAMISH, M.G.(Kazan'); RAFALOVICH, M.B., dotsent; MEL'NICHUK, S.P., kand.med; nauk; KRAPIVIN, B.V.; STAROVEROV, A.T. (Saratov); SURIN, V.M.; POROSENKOV, V.S. (Romodanovo, Nordovskoy ASSR); ANDROSOV, M.D.(Moskva); ZARIPOV, Z.A.(Urussu, Tatarskoy ASSR); MURAV'YEV, M.F.(Izhevsk); KUZ'MIN, V.I.(Batyrevo, Chuvashskoy ASSR); SITDYKOV, E.N.(Kazan'); YUDIN, Ya.B.(Novokuznetsk)

Short reports. Kaz.med.zhur. no.4:81-91 J1-Ag '62. (MIRA 15:8) (MEDICINE--ABSTRACTS)

Morphology of the thyroid gland in the population of the southenstern part of the Tatar A.S.S.R. Kaz. med. zhur. no.6:20-21 '62.
(MIRA 17:5)

1. Leninogorskaya gorodskaya bel'mitsa (glavnyy vrach - N.Sh. Khasanov);
nsuchnyy rukovoditel' - dotsent N.F. Foryvayev.

LAPTEVA, N.V.; PORYVAYEV, N.F.; RAZUMOVUKIY, Yu.K.

Fathomorphology of endemic goiter in the Tatar A.S.S.R. Nauch. trudy Kaz. gos. med. inst. 14:217-218 164. (MIRA 18:9)

l. Kafedra patologicheskoy anatomii (zav. - prof. G.G.Nepryakhin) Kazanskogo meditsinskogo instituta i tsentral'naya bol'nitsa (glavnyy vrach - M.M.Gazymov) goroda Leninogorska Tatarskoy ASSR.

RAZUMOVSKIY, Yu.K.

Lithopedion following abdominal extrauterine pregnancy. Kaz. med. zhur. 41 no.3:76-77 My-Je '60. (MIRA 13:9)

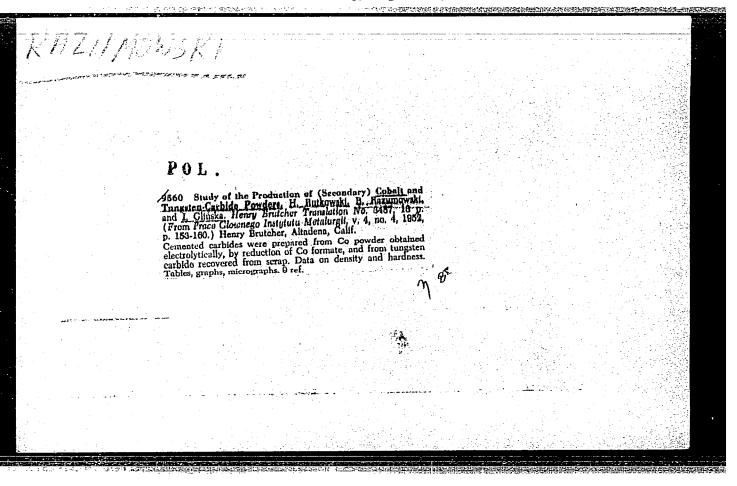
l. Iz Leningorskoy gorbol'nitsy (glavvrach - N.Sh.Khasanov) i kefedry patologicheskoy anatomii (zav. - dotsent N.F. Poryvayev) Kazanskogo meditsinskogo instituta. (LITHOPEDION) (PREGNANCY, EXTRAUTERINE)

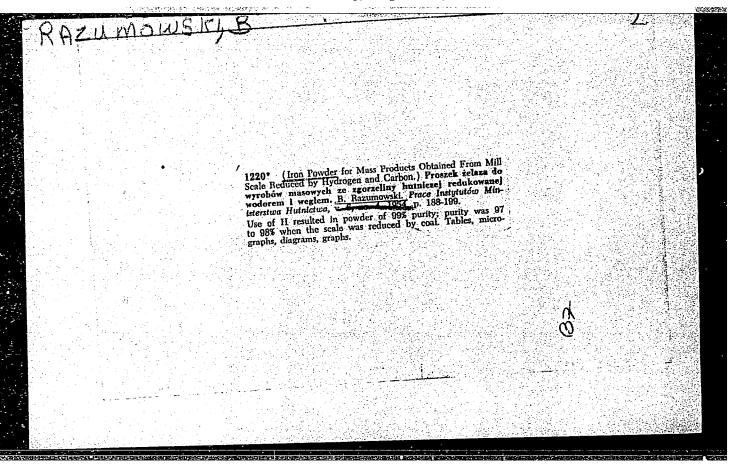
Fatal poisoning in a child by pyraphen and norsulfazole. Kaz. med. zhur. no.1:69 Ja-F '62. (MIRA 15:3) 1. Leninogorskaya gorodskaya bol'nitsa (glavnyy vrach - N.Sh. Kasanov) Tatarskoy ASSR. (AMINOPYRINE TOXICOLOGY) (SULFATHLAZOLE TOXICOLOGY) (PENACETIN TOXICOLOGY)

VEVYURKO, I.A., kand.tekhn.nauk; RAZUMOVSKIY, Yu.V., inzh.; SELIVAKHIN,
A.I., inzh.

D.C. motor without slide contacts. Vest. elektroprom. 33 no.3:
34-35 Mr *62. (MIRA 15:3)

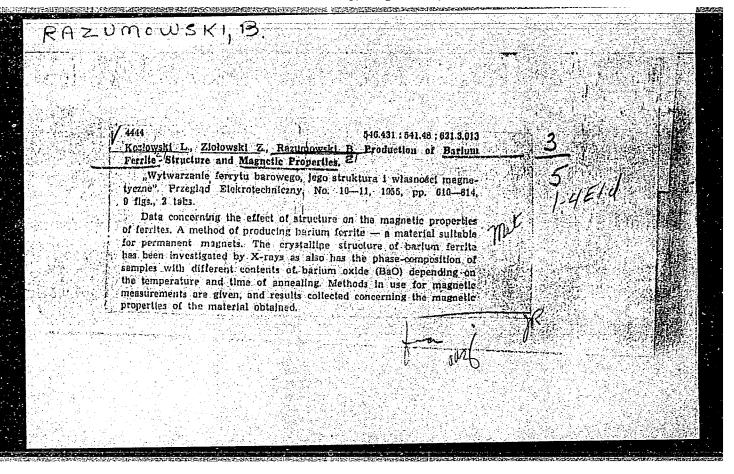
(Electric motors--Direct current)

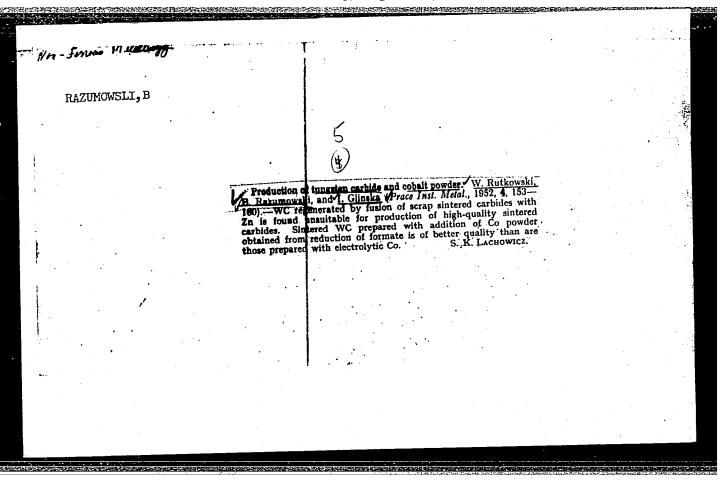


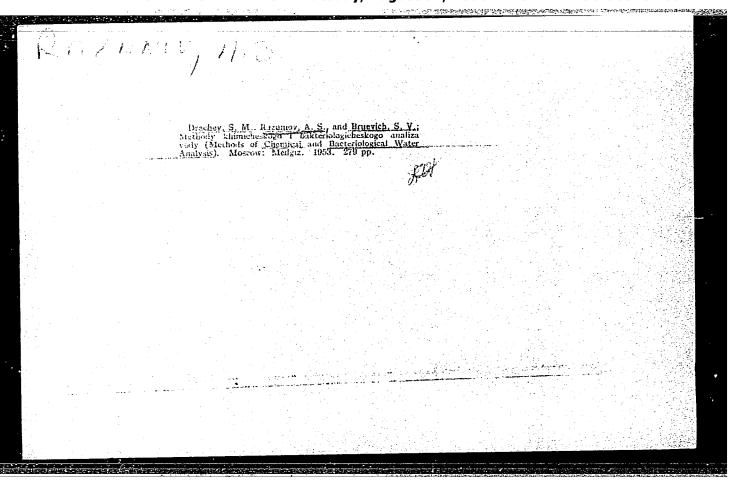


"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444







L 11069-66

ACC NR: AT6001392

SOURCE CODE: UR/3180/64/009/000/0109/0114

AUTHOR: Kirsanov, V. P.; Zhil'tsov, V. P.; Marshak, I. S.; Razumtsev, V. F.; Slutskin, Ye. Kh.; Shchukin, L. I.

ORG: none

31 B+1

TITLE: New flash lamps with a high flash repetition frequency

SOURCE: AN SSSR. Komissiya po nauchnoy fotografii i kinematografii. Uspekhi nauchnoy fotografii, v. 9, 1964. Vysokoskorostnaya fotografiya i kinematografiya (High-speed photography and cinematography), 109-114 and inserts facing pages 112 and 113

TOPIC TAGS: flash lamp, gas discharge, hydrogen, xenon, nitrogen

ABSTRACT: The paper describes the design and performance characteristics of high-repetition-frequency sealed flash lamps for use in high speed photography. Two sources of frequently repeating flashes were considered: (1) a source for Toepler schlieren photographs with a maximum space stabilized luminous volume in the shape of a short filamentary segment; (2) a source for photographing objects in reflected light with maximum power and frequency of flashes. The first problem was solved most satisfactorily with a short capillary lamp. The second problem was solved with lamps having a large spherical bulb and a short discharge gap between the electrodes located inside the bulb. In addition, a rapidly deionizing multichamber hydrogen dis-

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CC NR: AT6001392				
harger was constru	cted in order to pro	wide for the come	mutation of the w	engating (
igh current discha	rges at the maximum	frequencies at wh	ich the gas gaps	of both
ypes of flash lamp	s are unable to deio ig. art. has: 10 fi	nize and cannot t	hemselves serve	as the commu-
ating etement. Or	ig. art. nas: IV II	Rures, I table.		
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MARSHAK, I.S., kand.tekhn.nauk; KIRSANOV, V.P., inzh.; RAZUMTSEV, V.F., inzh.; SHCHUKIN, L.I., inzh.

Light emission and flash duration of bulb-type discharge lamps. Svetotekhnika 9 no.1:12-18 Ja '63. (MIRA 16:1)

1. Moskovskiy elektrolampovyy zavod.
(Electric lamps) (Fluorescent lamps)

ROVINSKIY, R.Ye.; RAZUMTSEVA, G.P.

Degree of transparoncy of a dishcarge in xenon at ultrahigh pressures. Opt. i spektr. 7 no. 6:725-728 D '59. (MIRA 14:2) (Xenon-Spectra) (Electric discharges through gases)

9.3150

67150

SOV/51-7-6-2/38

AUTHORS:

Rovinskiy, R. Ye. and Razumtseva, G.P.

On the Degree of Transparency of a Discharge in Xenon at Very High

TITLE: Pressures 41

PERIODICAL: Optika i spektroskopiya, 1959. Vol 7, No 6, pp 725-728 (USSR)

ABSTRACT:

A high-pressure discharge column in xenon may be regarded as a grey body whose properties can be represented by a mean value of its absorption coefficient $\tilde{\mathbf{X}}$. The value of this coefficient and its dependence on the discharge power are of great theoretical interest and are important in construction of menon lamps. The present paper reports a determination of the mean absorption coefficient \bar{x} in the visible region of a xenom discharge at very high pressures. The authors found directly the degree of transparency of the discharge, d. given by:

(1)

where is the geometrical depth of the discharge. The above equation gives the optical depth of discharge T = il, and if the value of lis

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67150 SOV/51-7-0-2/38

On the Degree of Transparency of a Discharge in Xenon at Very High Pressures

known, the absorption coefficient $\overrightarrow{\mathbf{x}}$ can be deduced. The method used to determine transparency of the discharge was the same as that used earlier by Fabrikant and Pul'ver (Ref 5) to determine transparency of a discharge in mercury. The apparatus used is shown schematically in Fig 1. The discharge gap of a spherical xenon lamp P1 was projected by means of a lens \mathfrak{A}_1 on to a screen A_1 with an aperture at its centre. The radiation which passed through the aperture was projected by means of a second lens extstyle extstyleThe image of the aperture in Δ_1 in the discharge plane of the F2 lamp had a diameter of 0.3 nm. The lamp P2 could be moved both vertically and horizontally at right angles to the optical axis of the apparatus. The image of the discharge plane of P2, magnified 2.5 times, was projected on to a screen A_2 with an aperture behind which a piece of matt glass and a selenium photocell 69 was placed. The authors first measured the total luminance Biz due to the lamp P1 and due to the region of P2 which was traversed by the beam from P1. Then an opaque screen 3 was placed between P_1 and P_2 and the luminance B_2 due to the portion of the discharge in P2, which was earlier traversed by a beam from P1, was Finally the lamp P2 was switched off and the luminance B1 of the beam from P1 which passed through the walls of the lamp P2 was

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On the Degree of Transparency of a Discharge in Kenon at Very High Pressures

measured. These measurements yielded the value of the degree of transparency d, since

$$\alpha = (B_{12} - B_{2})/B_{1}' . (5)$$

All the measurements of transparency were made on spherical d.c. kenon lamps of DKsSh-3000 type using powers of 600-3000 W. For the sake of comparison similar measurements were carried out on Osram lamps of KhVO(HVO)-1001 and KhVO(HVO)-2001 type using powers of 570-1500 W. working pressure in all these lamps was 20-25 atm. The results of measurements are shown in Fig 2 in the form of dependence of the degree of absorption a = 1 - d (in %) on the discharge power calculated per unit length of the discharge column (in kN/cm); the discharge power was taken to be the total power minus the electrods losses. Fig 2 shows that absorption rises fairly rapidly at low powers. Above 2.5 kW/cm this rise slows down due to enlargement of the discharge channel. Fig 3 shows dependence of the degree of absorption a at the cathode spot on the power per unit length of the discharge channel. The energy density at the cathode spot is considerably higher than in the main channel of the discharge and consequently at the same discharge powers much higher degrees of absorption are observed at the cathode spot than in the channel Broadening of the cathode spot with increase of power is not

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50V/51-7-6-2/38

On the Degree of Transparency of a Discharge in Kenon at Very High Pressures

great and consequently the degree of absorption is a linear function of the discharge power. At wavelengths of 483, 530 and 608 mu the decreases of absorption at the centre of the discharge column (power of 4.1 kN/cm) were found to be the same and equal to 18%. The absorption coefficient X was determined from the degree of absorption, a, and the geometrical depth of the discharge channel. The latter was taken to be the diametrical distance between points on the discharge cross-section at which the luminance fell to 1/4 of its maximum value. Fig 4 snows the dependence of the absorption coefficient $\tilde{\mathbf{x}}$, in the discharge channel, on the discharge power per unit length. Fig 5 shows a similar dependence for the cathode spot. The curves of Figs 4 and 5 are similar to those showing the dependence of the degree of absorption on the discharge power (Figs 2, 3). Two points in Fig 5 which lie far outside the straight line represent the values of X at the cathode spot of a lamp of KhVO(HVO)-1001 type; the construction of the cathode in this type of lamp is such that the cathode-spot temperature is high even at low discharge powers. Acknowledgments are made to V.A. Fabrikant for suggesting this work and for his advice on it. There are 5 figures and 5 references, 1 of which is Soviet, 1 English and 3 German.

Card 4/4

SUBMITTED: May 13, 1959

RAZUVANOV, A.; RUTKOVSKIY, V.

Continuous line for repairing connecting rods. Avt. trgnsp. 42
no.7:34-36 Jl '64.

(MIFA 17:11)

RAZUVANOV, A., tekhnik

Stripping device for dismounting conical bearings. Avt. transp. 37
no.10:53 0 '59. (MIRA 13:2)

(Automobiles--Maintenance and repair)

RAZUNOV, Ippolit Mikhailovich.

Technical standardization in the nonferrous metals industry.

1. Monferrous metal industries - Russia.

```
RAZUS, M.
      Case of periarteritis nodosa treated with antibiotics and cortisone.
       Bratisl. lek. listy 35 no.10:622-629 1955.
       1. Z I. internej kliniky LFUK v Bratislave, predn. akademik
       L. Derec.
              (CORTISONE, therapeutic use,
                  periarteritis nodosa in pregn., with penicillin &
                  streptomycin.)
              (PERIARTERITIS NODOSA, in pregnancy,
                  ther., cortisone with penicillin & streptomycin)
              (PREGNANCY, complications,
                  periarteritis nodosa, ther., cortisone with penicillin
                  & streptomycin.)
              (PEMCILLIN, therapeutic use,
                  periarteritis nodosa in pregn., with cortisone &
                  streptomycin.)
              (STREPTOMYCIN, therapeutic use,
                  periarteritis nodosa in pregn., with cortisone &
                  penicillin.)
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EXCERPTA MEDICA Sec. 6 Vol. 10/9 Internal Medicine Sept56

5808, RAZUS M. and KRAJČOVIČOVA S. I. intern. Klin., Lekársk, Fak., Univ. Komenského., Bratislava, "Diabetická neuritkia e jej liečenie. Diabetic neuritiis and its treatment LEK. OBZOR 1955, 4/9 (513-523)

Tables 3

Report on 16 cases treated with diet, insulin and vit. B or B 12. It is claimed that vit, B 12 had an excellent effect.

Stransky - Manila

ZAJACOVA, E.; RAZUS, M.

Effect of diabetes on intrauterine fetal death. Cesk.gynek. 28 no.8:552-555 0 '63.

1. I. gyn.-por. Min. Lek. fak. UK v Bratislave prednosta prof. dr. S. Stefanta) a Int. klin. Lek. fak. UK v Bratislave (prednosta prof. dr. M. Ondrejicka).

THLUS, M.

HEGYI, E. RAZUS, M.

Food allergy. Bratisl. 1ek. listy. 30 no.8-10:649-658 Aug-Oct (CLML 20:4)

1. Of the Skin Clinic and the First Internal Clinic of Slovak University, Bratislava.

RAZUVALOV, Ya.A., chlen Komunistichnoi partii Radyans'kogo Soyuzu, agrolisomeliorator.

In the flame of the Civil War. Mekh. sil'. hosp. [8] no.12:10-11 (MIRA 10:12)

1. Studenikivs'ka mashinno-traktorna stantsiya, Kiivskoi oblasti. (Ukraine--Revolution, 1917-1921)

L 19590-65 EWT(m)/EPF(c)/EWP(j)/T Pr-4 ASD(m)-3/AFETR RM

ACCESSION NR: AP4045102

S/0020/64/158/001/0170/0172

AUTHOR: Razuvanyev, G. A.(Corresponding member AN SSSR); Minsker, K. S.; B Sangalov, Yu. A.

TITLE: Initiation of vinyl chloride polymerization by the reactions of triethylaluminum with halogen-containing organic compounds

SOURCE: AN SSSR. Doklady*, v. 158, no. 1, 1964, 170-172

TOPIC TAGS: vinyl chloride, polymerization, polymerization initiation, triethylaluminum catalyst system, titanium trichloride catalyst system, chloroorganic catalyst system, polyvinyl chloride, catalyst

ABSTRACT: The initiation of the vinyl chloride polymerization reaction by the interaction of triethylaluminum (TEA) with certain haloorganic compounds was studied. Vinyl chloride did not polymerize in the presence of TEA-TiCl₃ and non-polar hydrocarbons. Polymerization with yields of 4-5% to 80-85% was obtained in TEA-TiCl₃-RCl systems (RCl= alkyl or aryl chlorides and di- and polychloro derivatives of saturated and unsaturated hydrocarbons). The compounds

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L 19590-65

ACCESSION NR: AP4045102

containing chemically inert chlorine atoms did not initiate polymerization; the activity of the chlorine increased in the following series:

The very low polymerization in the presence of compounds such as t-butyl chloride, benzylchloride and allyl chloride was believed due to their rapid reaction with TEA. It was concluded that the act of polymerization initiation is associated with the reaction between the TEA and RCl, and TiCl₃ accelerated this reaction and monomer polymerization. The catalyst system comprising aluminumalkyl and titanium halide did not cause vinyl chloride polymerization. Changing the component ratio in the catalyst system or changing the reactivity of the aluminumalkyl affected the polymerization. The TEA-RCl-TiCl₃ catalyst system was effective in the -50 to +50 C temperature range, with the yield lowered at the lower temperature. The PVC produced by this catalyst system was of relatively low molecular weight, had uniform globules of ~0.1 micron diameter, and other properties corresponding to those of PVC produced by free radical polymerization. Orig. art. has: 3 figures and 1 table

Card2/3

L 19590-65

ACCESSION NR: AP4045102

ASSOCIATION: None

SUBMITTED: 15Apr64

ENCL: 00

SUB CODE: GC, OC

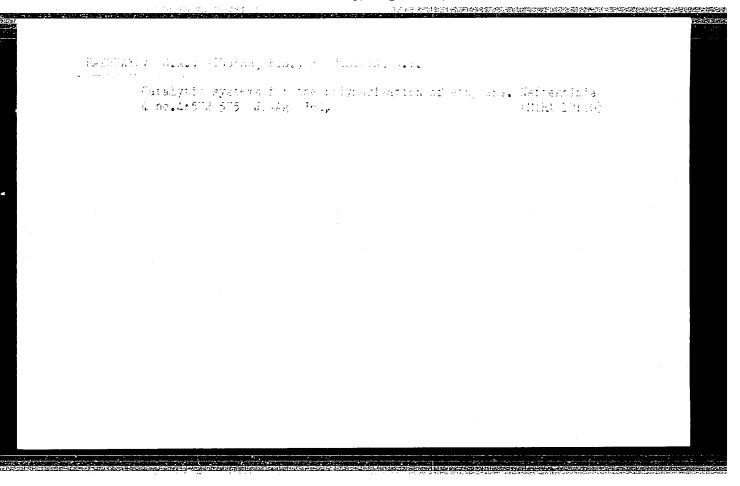
NO REF SOV: 000

OTHER: 002

RULLIVAYEN, A.

O vospitanii kolkhoznkh kadrov /The training of collective farm specialists/. Moskva, Moskovskii ratochii, /1954?/ 61 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 3, June 1954.



ETLIS, V.S.; TROFIMOV, N.H.; RAZUVAYEV, G.A.

Ciderination of elefin exides. Zhur. eb. khim. 34 no.8:2784(MitA 17:9)

2787 Ag '64.

L 19615-65 EWT(m)/EPF(c)/EWP(j)/T/EWP(b)/EWP(t) Pc-4/Pr-4 IJP(c)/SSD/AEDC(b)/AFWL/RAEM(c)/ASD(a)-5/SSD(c)/RAEM(j)/RAEM(1)/ESD(gs)/ESD(t) RM/JD ACCESSION NR: AP5003220 S/0062/64/000/007/1312/1313

AUTHOR: Yegorochkin, A. N.; Khidekel', M. L.; Razuvayev, G. A.; Mironov, V. F.; Kravchenko, A. L.

TITLE: Proton magnetic resonance spectra of certain elemento-organic compounds of silicon and germanium

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 7, 1964, 1312-1313

TOPIC TAGS: proton, organosilicon compound, germanium compound, spectroscopy, magnetic resonance

ABSTRACT: Comparison of proton magnetic resonance spectra of several saturated and unsaturated organic compounds of silicon and germanium revealed that for unsaturated compounds, the effects of d — pr — conjugation play an appreciable role. The spectra were recorded on the JMN-3 spectrometer using cyclohexane as the internal standard. To determine chemical shifts in saturated compounds, cyclohexane was combined with the sample in 1:1 volume ratio. Chemical shifts of proton signals in unsaturated compounds were determined by subsequent dilution with cyclohexane and extrapolation of the data to infinite dilution. It was found that chemical shifts of the CH₃-and CH₂-protons in compounds not containing multiple bonds correspond to Card 1/2

L 19615-65

ACCESSION NR: AP5003220

greater electroconductivity of germanium compared with silicon and the qualitative notions of the inductive effect of substituents. Thus, in view of the greater electron-donor capacity of the $-CH_2-M(CH_3)$, group, where M=Si, Ge, compared with that of the methyl, resonance frequencies of methylprotons in the compounds $(CH_3)_3M-(CH_2)_n-M(CH_3)$ are shifted toward larger values of γ with respect to the same frequencies in the $(CH_3)_4M$ compounds. Orig. art. has: 1 graph and 1 table.

ASSOCIATION: Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennon universitete (Scientific Research Institute of Chemistry at Gor'kly State University); Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics, Academy of Sciences, SSSR); Institut organicheskoy khimii im.

N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences, SSSR)

SUBMITTED: 25Nov63

ENCL: 00

SUB CODE: OC, OP

NO REF SOV: 001

OTHER: 005

JPRS

Card 2/2

B

L 21866-65 EWT(m)/EPF(c)/EPR/EWP(j)/T Pc-4/Pr-4/Ps-4 RPL WW/RM ACCESSION NR: AR4049264 S/0081/64/000/016/S027/S027

SOURCE: Ref. zh. Khimiya, Abs. 16S142

AUTHOR: Razuvayev, G. A.; Lapshin, N. M.; Khidekel, M. L.; Mory*ganov, B. N.; Ryabov, A. V.

TITLE: Nitrogen containing peroxide compounds as initiators of vinyl monomer polymerization. II. Polymerization of methylmethacrylate initiated by the system aminoperoxide-dimethyl aniline

CITED SOURCE: Sb. Vy* sokomolekul. soyedineniya. Karbotsepn. vy*soko-molekul. soyedineniya. M., AN SSSR, 1963

TOPIC TAGS: bulk polymerization, methylmethacrylate polymerization, vinyl monomer polymerization, nitrogen containing peroxide initiator, aminoperoxide dimethylaniline initiator, polymerization initiator

Card 1/3

L 21865-65 ACCESSION NR: AR4049264

TRANSLATION: The study concerns bulk polymerization of methylmethacrylate initiated by the system cumenyl-N-phenylperoxycarbamate (I) - dimethyl aniline (II) - at 40C. It was found that the admixture of II substantially accelerates the polymerization process, peak acceleration occurring at a II:I ratio of 0.5. Data on molecular weight of polymethylmethacrylate coincide well with kinetic results. A solution containing various ratios of I and II in C6H6 was treated with 2, 4, 6-tri-tert-butylphenol. After reaction with the radicals, the latter provides 2, 4, 6-tri-tert-buty phenoxyl radicals which are stable under these conditions and can be fixed by means of the EPR technique. The concentration of stable radicals fixable in this manner was highest at a II:I ratio of 0.5. The decomposition of equimolecular mixtures of I and II in a C6H6 solution was studied at 40C. Analysis of decomposition products disclosed CO2, aniline, dimethylaniline, dimethylphenyl carbinol, acetophenone, azobenzene and tarry residues. Admixture of II had negligible effects on polymerization at 60C with four aminoperoxides containing the > NCH200- group. Asymmetrical aminoperoxides are more susceptible to this effect than are their

Card 2/3

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AMERITY I. A. A.

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Further improvements in quality and assortment of production: 1. In past ficer industry, Tekst. prom., No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, ____arch

RAZUVAYEV, A.A., redaktor; KOPELEVICH, Ye.I., redaktor; EL'KINA, E.M., tekhnicheskiy redaktor

[Manual on the primary processing of flax] Spravochnik po zavodskoi pervichnoi obrabotke l'na. Pod red. A.A.Razuvaeva. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva promyshlennykh tovarov shirokogo potrebleniia SSSR, 1954. 494 p. (MLRA 8:7)

1. Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut lubyanykh volokon. (Flax)

RAZUVAYEV, A.A.

Results of socialist competition of organizations of the All-Union Scientific Society of Textile Engineers. Tekst.prom. 14 no.11:51-52 N '54. (MLRA 8:1)

1. Predsedatel' shyuri po itogam sorevnovaniya. (Testile research)

RAZUVAYEV, Aleksandr Aleksandrovich; SAPUKHIN, Aleksandr Aleksandrovich; GREBTSOV, P.P., redaktor; SOKOLOVA, N.N., tekhnicheskiy redaktor

[The power of an example] Sila primera. Moskva, Gos. izd-vosel'khoz, lit-ry, 1956. 110 p. (MIRA 10:3)

 Sekretar' Ramenskogo gorkoma Kommunisticheskoy partii Sovetskogo Soyuza (for Razuvayev).
 Sekretar' Kiyevo-Svyatoshinskogo Raykoma Kommunisticheskoy partii Ukrainy (for Sapukhin) (Collective farma)

MARKOV, Valentin Vasil'yevich; RAZUVAYEV, A.A., retsenzent; ARNO, A.A., retsenzent; SOKOLISKIY; I.F., redektor; MEDVRDEV, L.Ya., tekhnicheskiy redaktor

[Primary processing of bast crops] Pervichnaia obrabotka lubianykh kul'tur. Moskva. Gos. nauchno-tekhn. izd-vo Ministerstva legkoi promyshl. SSSR, 1956. 291 p.

(Bast)

(Bast)

RAZUVATEV, A.A., kand.tekhn.nauk

For further technical progress in the initial industrial
processing of bast fibers. Tekst. prom. 18 no.6:9-10 Je '58.

(Bast)

(Bast)

DMITRIYEVA, A.I.; SHUSHKIN, A.A.; MIRONOV, K.M.; DERBENEV, S.I.;
GRANICHNOVA, Z.P.; OKUN', M.M.; MIKHAYLOVA, N.N.; ANDREYEV,
V.V.; MAKEYEV, V.S.; OSIFOVA, V.M.; L'VOVYY, V.S.;
SMIRNOV, G.N., nauchnyy sotr.; ZAIKIN. I.N.; TAL'NISHNIKH,
G.N.; MORKOVIN, V.A.; GALAGAN, V.A.; RAZUVAYEV, A.A., red.;
SOKOLOVA, V.Ye., red.; TRISHINA, L.A., tekhm. red.

[Manual on the industrial primary processing of flax]
Spravochnik po zavodskoi pervichnoi obrabotke l'na. Izd.2.,
perer. i dop. Moskva, Rostekhizdat, 1962. 755 p.
(MIRA 15:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut lubyanykh volokon (for Dmitriyeva, Shushkin, Mironov, Derbenew, Granichnova, Okun', Mikhaylova, Ardreyev, Makeyev, Osipova).

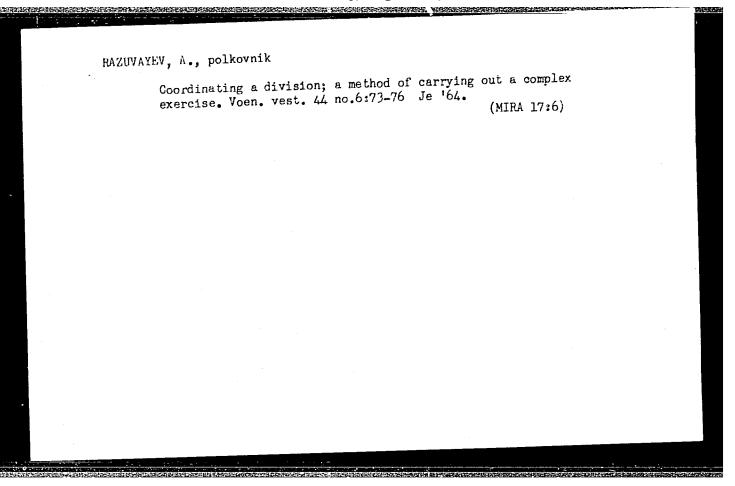
2. Vsesoyuznyy nauchno-issledovatel'skiy institut okhrany truda (for Smirnov). 3. Upravleniye zagotovk i pervichnoy obrabotki l'na Kalininskogo sovnarkhoza (for Zaikin, Tal'nishnikh, Morkovin, Galagan, L'vovyy).

(Flax) (Flax processing machinery)

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RUTKOVSKIY, V., inzh.; RAZUVANOV, A., inzh.; LUDCHENKO, A.; KAMENSHCHIKOV, V., inzh.; GERMAS, M., inzh.; GETSOV, G.; GAYETSKIY, A., inzh.; GELFER, 3., inzh.; ZHUHAZHOVSKIY, P., inzh.; BRUZH, R.; SEMENOV, A., inzh.

Exchange of experience. Avt. transp. 42 no. 5:51-54 My '64. (MIRA 17:5)

1. Glavnyy inzh. Tarashchanskogo avtoparka (for Ludchenko).
2. Kaluzhskiy avtoremontnyy zavod (for Semenov).
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KORONKEVICH, V.P.; GUSTIR', L.Ya.; RAZUVAYEV, A.N.

Interference method for measuring thread elements. Izm.tekh.
no.2:8-14 F '63. (MIRA 16:2)

(Interferometry)

S/115/63/000/002/001/008 E194/E155

AUTHORS: Koronkevich, V.P., Gustyr', L.Ya., and Razuvayev, A.N. TITLE: An interference method of measuring thread parts

PERIODICAL: Izmeritel'naya tekhnika, no.2, 1963, 8-14

TEXT: Since the shadow boundaries observed in the microscope do not coincide with the actual profile of the object, special measuring blades are used to reduce errors when making measurements. If the part is curved in the optical axis, and the measuring microscope has a small aperture of illumination parallel to the part outlined, interference bands are observed which can be used in measuring the part sizes by taking the first interference band as a reference line and calculating the distance from this first band to the shadow outline. However, difficulties arise in using interference bands in this way mainly because the distance to the first interference band depends on the focus of the microscope and on the aperture of the light beam. The present article assesses the influence of these factors. A solution has already been published for transparent objects and large apertures (D.S. Rozhdestvenskiy, Trudy GOI, v.14, 1941, 112-120).

An interference method of ...

5/115/63/000/002/001/008 E194/E155

Calculations are first made of the positions of interference bands at the edges of a cylinder, assuming a parallel light beam in the optical axis. The following formulas are derived:

optical axis. The following form
$$\delta = \sqrt{\left(r \cos \frac{u}{2} + y\right)^2 + \left(r + x - r \sin \frac{u}{2}\right)^2} \times (1 + \cos u), \quad (2a)$$

$$x = -r \cos \frac{u}{2} \tan u - r + r \sin \frac{u}{2} - y \tan u$$
 (3)

5 - difference between the distances travelled by the direct and reflected (interfering) beams beyond the point of reflection; u - the half-angle of reflection; x - the abscissus of the interference pattern; y - its ordinate. The position of the first interference band is found by putting δ = one halfwavelength and y = 0. Then a table can be drawn up relating the distance to the first interference band in microns to the cylinder diameter in millimetres. Various errors are then analyzed. a small error in focussing the microscope has a considerable

Card 2/4

CIA-RDP86-00513R0014445 APPROVED FOR RELEASE: Tuesday, August 01, 2000

S/115/63/000/002/001/008 E194/E155

An interference method of ...

influence on the result and the development of a simple and convenient method of focussing is a prerequisite to the application of interference bands in the measurement of parts. A small angle between the incident beam and the optical axis is shown to be relatively unimportant. The formulas assume a point source, but relatively unimportant. The formulas assume a point source, but in fact the microscope always has an appreciable aperture. Up to a certain point increasing the microscope aperture only affects the outer bands; however, above a certain critical aperture, given by the expression

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 $d = \frac{f \lambda \cos u}{2 r \cos \frac{u}{2} + y \sin u}$ (11)

the interference bands near the object lose their contrast. For example in examining an object of 100 mm diameter, the critical diaphragm of a microscope type YMM-21 (UIM-21) is 4 mm, and with an aperture of 8 mm no interference bands are observed. The radius of curvature of a screw surface R is given by

 $R = \frac{\frac{d_{cp}}{2 \sin \frac{\alpha}{2}}}$ (12)

Card 3/4

An interference method of ...

S/115/63/000/002/001/008 E194/E155

where: $d_{\rm cp}$ - mean diameter; α - thread profile angle. Tables may then be drawn up for the correction in microns to be applied for threads of various mean diameters and profile angles. In an experimental check of the theory, to obtain precise focus, a cylindrical gauge of known diameter was measured by the recommended procedure and it was taken that if there was no error the focus was correct. Standard threads of various mean diameters and profile angles were then checked by measurements with blades or by the three-wire method using the same microscope; divergences did not exceed 2 microns. It is concluded that, provided precautions are taken to ensure accurate focusing, the interference method of measuring screw threads has advantages over the usual blade or wire contact methods. There are 5 figures and 3 tables.

Card 4/4

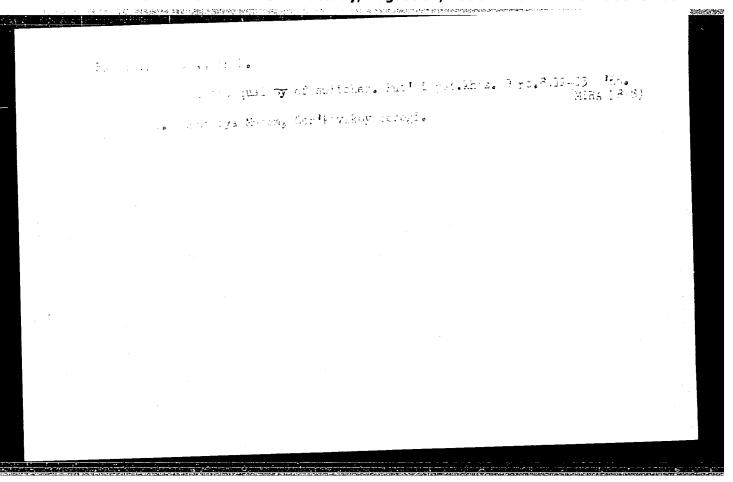
ZHURAVEL!, A.I., kand. ekonom. nauk; KAZAKOVTSEV, N.M.; SIDOROVICH, Ye.A., inzh.; KOZHEVNIKOV, Ye.N., inzh.; RAZUVAYEV, A.S., inzh.

Improvement of the economic work in stations. Zhel. dor. transp. (MIRA 18:5) 47 no.3:59-72 Mr 165.

1. Nachal'nik proizvodstvenno-tekhnicheskogo otdela stantsii Novosibirsk-Glavnyy (for Kazakovtsev).

RAZUVAYEV, A.S., inzh.

Dependability of the basic allocation expenditures of railroad services on the volume of operations. Trudy NIIZHT no.33:161-177 163. (MIRA 17:3)



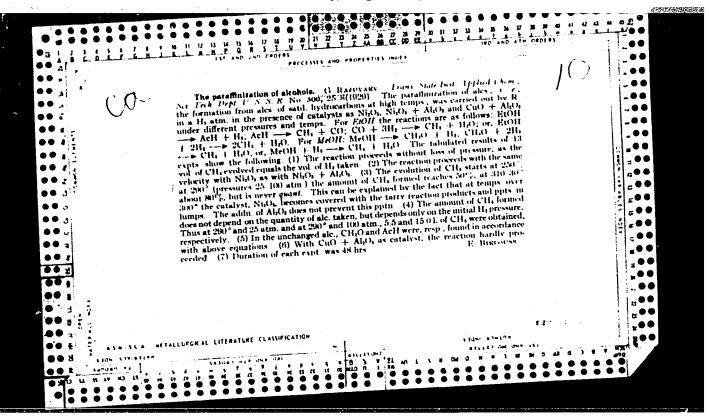
How the snow melter works. Put' 1 put. khoz. no.3:4-5 hr '57.

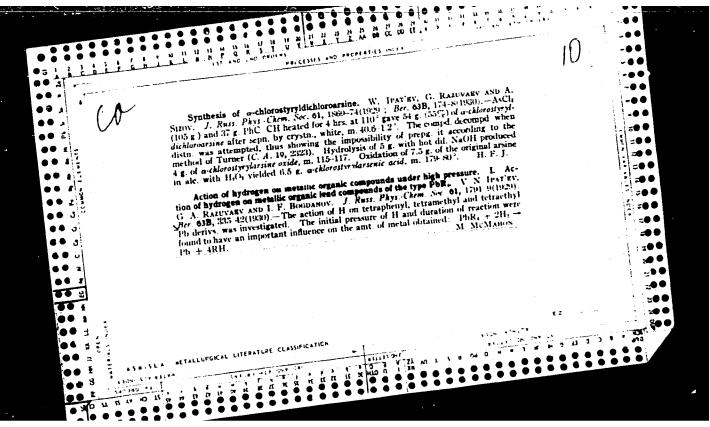
(Railroads-Snow protection and newwal) (NLRA 10:5)

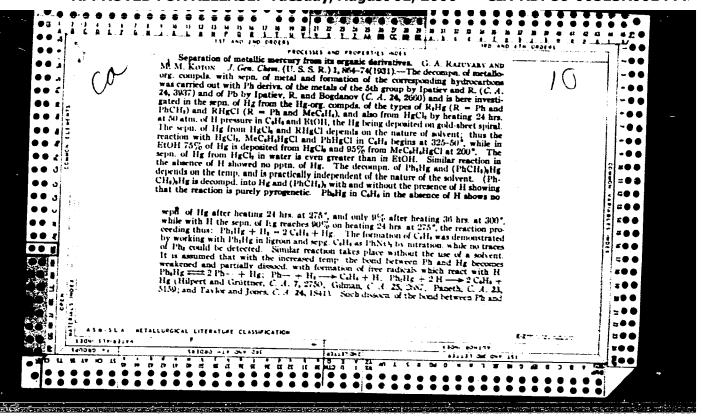
RAZUVAYEV, F.A., inzhener.

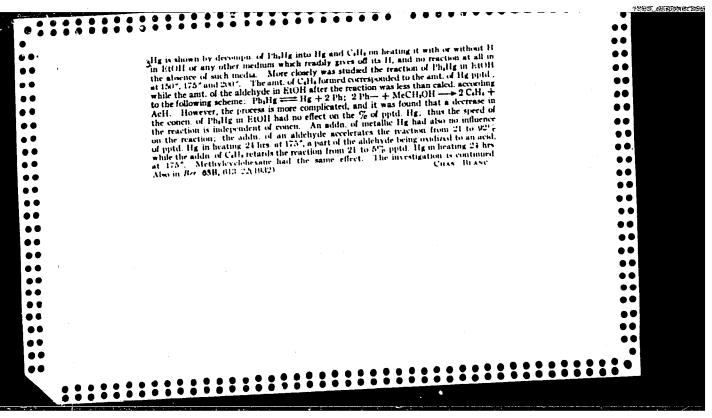
How we economize on materials for track superstructure. Put.i put.khoz.
no.4:28-30 Ap '57. (MLHA 10:5)

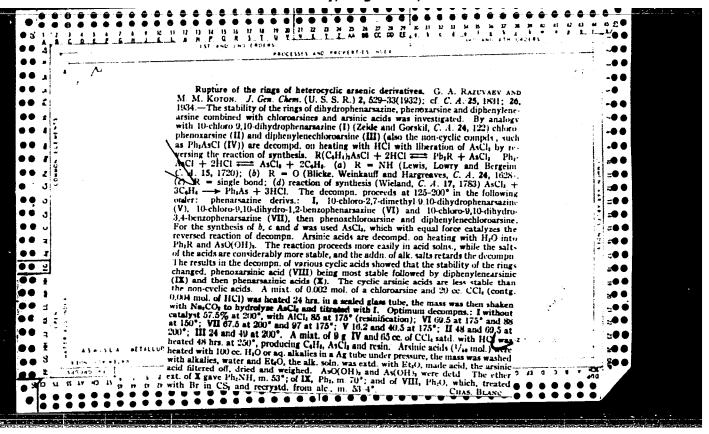
(Railroads--Track)



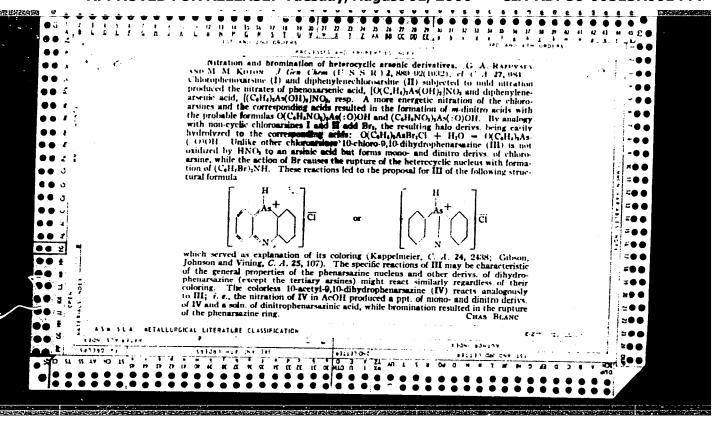






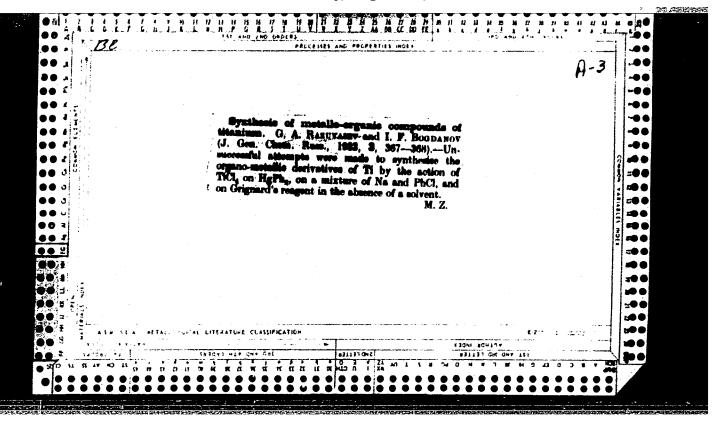


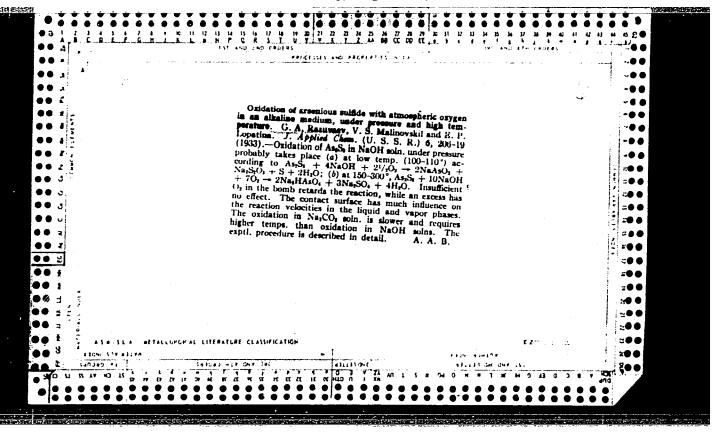
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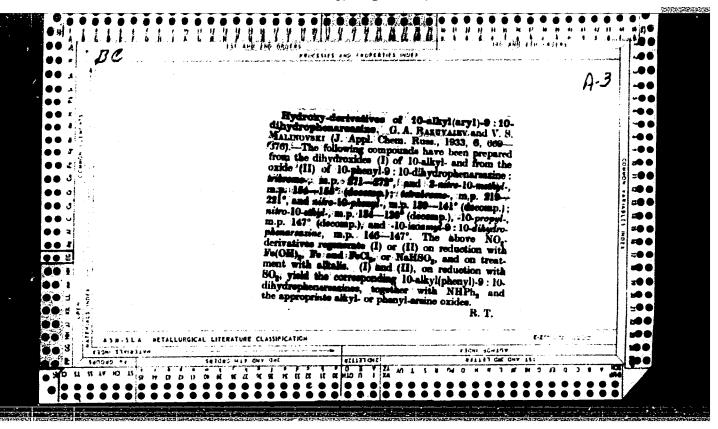


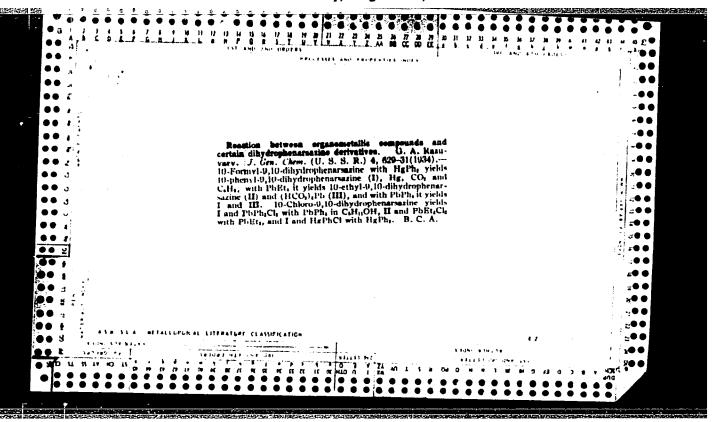
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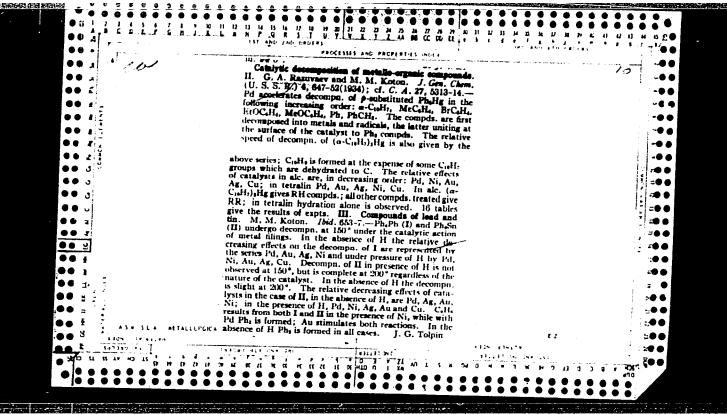
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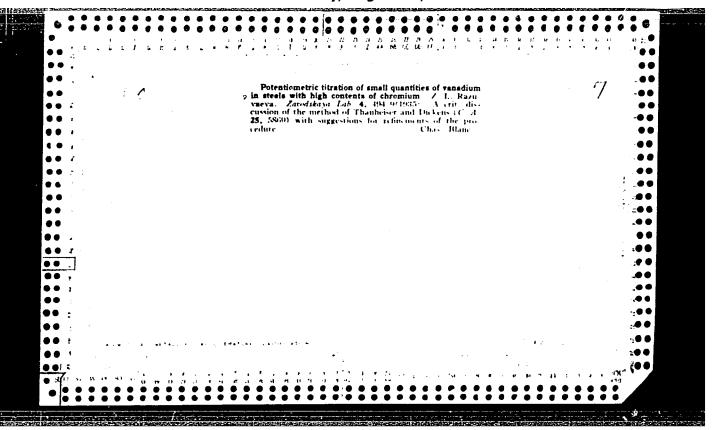


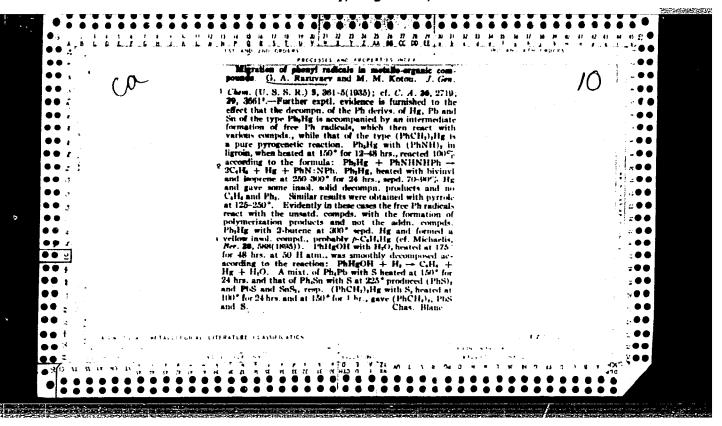


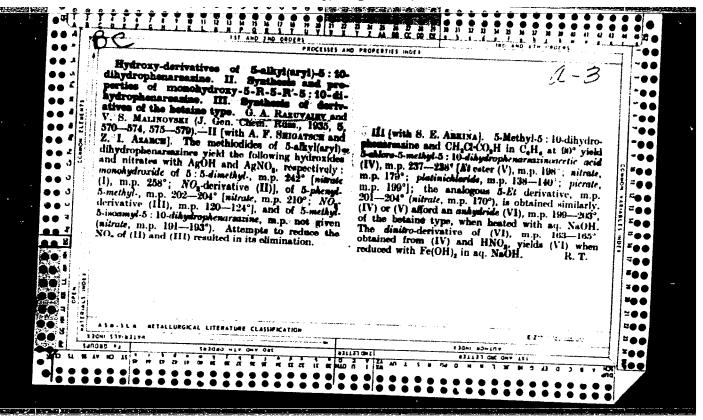


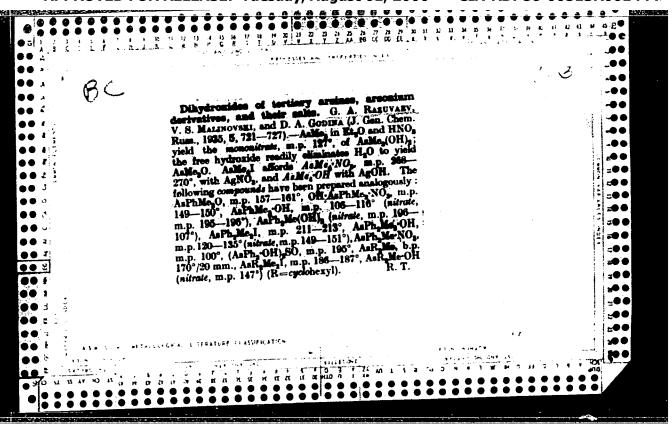










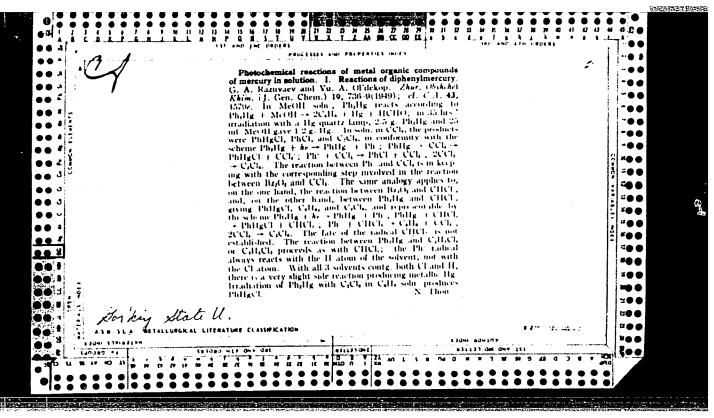


ANT YAYW, C. A. (Co-suther)

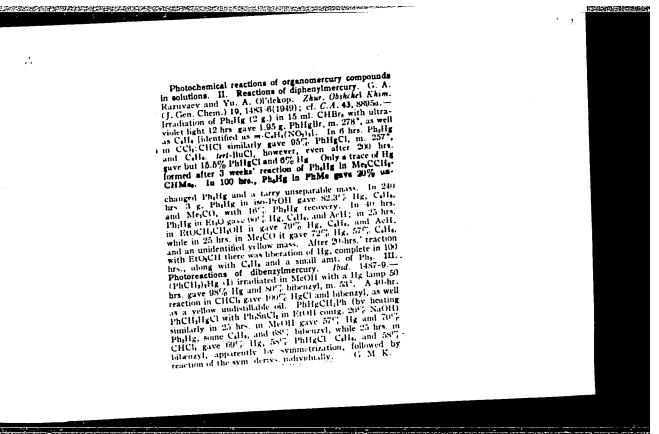
Sec: MANAGER, Yu.

Rezuveyev, G. A. and Ol'dekop, Yu. - "The photoreaction of dip enyl mercury in solution", (Report), Soobsich. o hauch. rabotale chlenev Vsesoyuz. Llim. c-va im. Hendeleyeva, 1249, iss e 1, p. 9-10.

S: 7-L630, 16 Sent. **53**, (Letopis 'Zhurnel 'nykh Statey, No. 23, 1949).



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Ra LVAYAV, J. A.

PA 26/49T7

USSR/Chemistry - Organic Compounds, of Mercury

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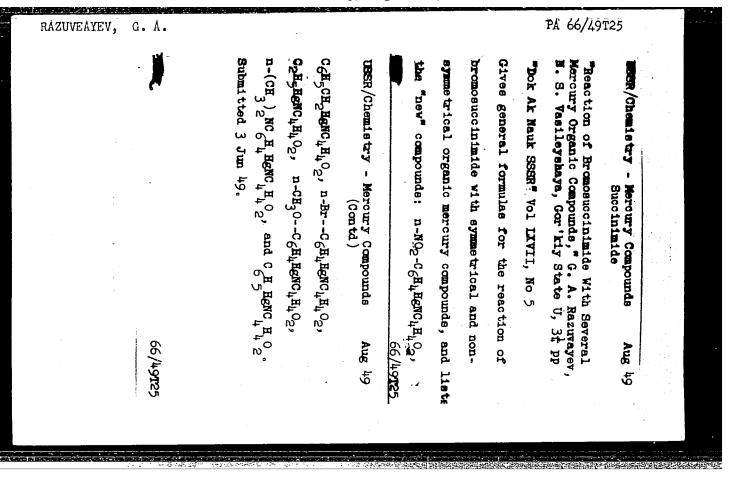
Chemistry - Light, Effect of

"Photoreaction of Organic Mercury Compounds in Solutions," G. A. Razuvayev, Yu. A. Ol'dekop, Gor'kiy State U, 4pp

"Dok Ak Nauk SSSR" Vol LXIV, No 1

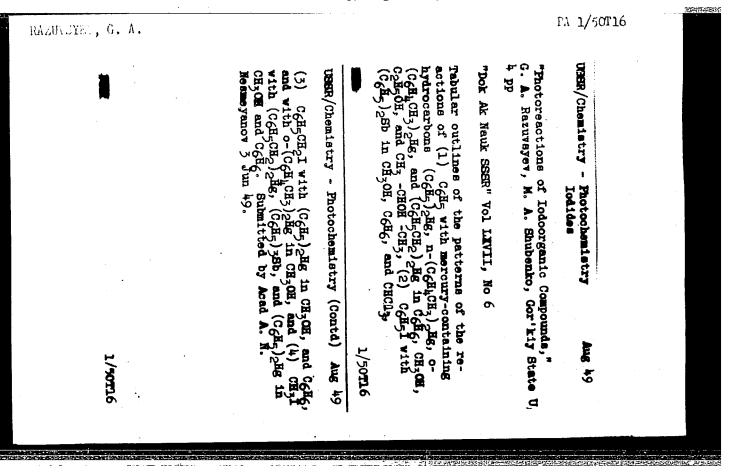
Investigated photoreaction of several organic mercury compounds, diphenylmercury, o-ditolylmercury, a-dinaphthylmercury and dibenzylmercury. Submitted 20 Sep 48.

26/49**1**7

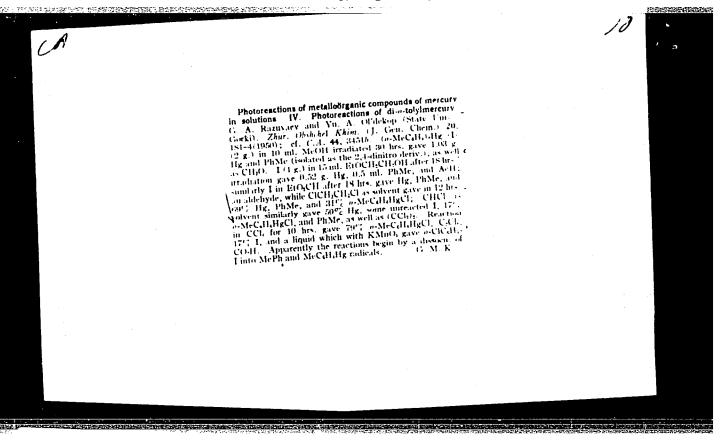


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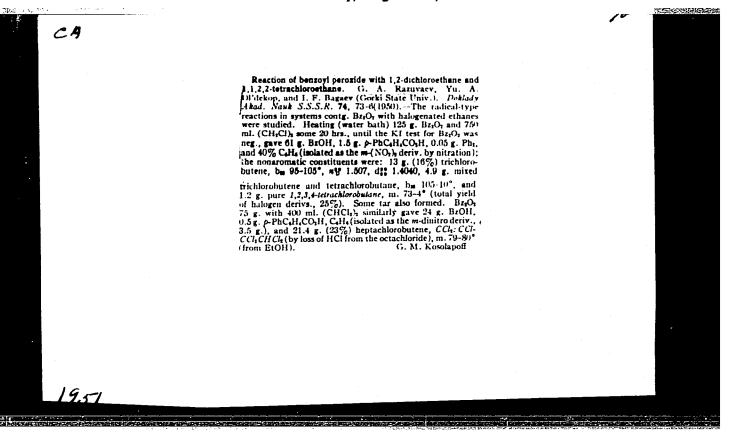
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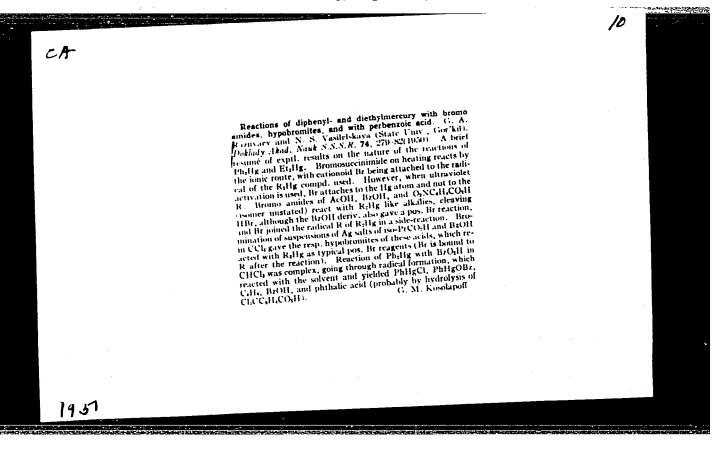


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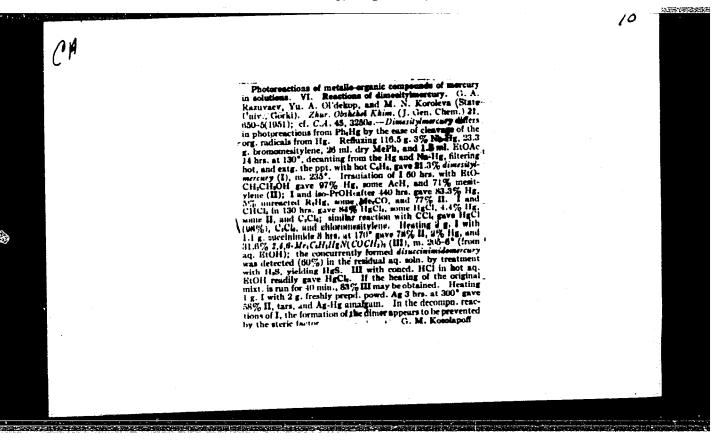


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