

5.3400

77904
SOV/79-30-2-55/78

AUTHORS: Ol'dekop, Yu. A., Mayer, N. A.

TITLE: Decarboxylation of Mercuric Propionate With Peroxides

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol 30, Nr 2, pp 619-623 (USSR)

ABSTRACT: The decarboxylation of mercuric propionate and acetate on UV irradiation and the decarboxylation of mercuric acetate with various peroxides were reported previously by the authors (this j., 1960, our abstracts 77400; 77404; 77405). The present study investigates the mechanism of the decarboxylation of mercuric propionate in reaction with propionyl peroxide, benzoyl peroxide, and hydrogen peroxide. Mercuric propionate and propionyl peroxide (in 1:2 molar ratio) in propionic acid were heated at 97-98° C for 3.5 hr. After distillation of ethyl propionate and propionic acid, the residue was dissolved in water and treated with KCl to give ethylmercury chloride in 61.5%

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Decarboxylation of Mercuric Propionate With
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yield. The mother liquor treated with KI excess gave ethylmercury iodide in 27.3% yield; the total yield of C_2H_5HgX compounds was 88.8%. The reaction gases contained CO_2 , CO , C_2H_6 , C_4H_{10} , and traces of C_2H_4 .

The same reagents as above, but in a 1:1 molar ratio, gave ethylmercury compounds in 65% yield, mercurous propionate in 38.2% yield, and 13.4% unreacted starting mercuric propionate. Mercuric propionate and benzoyl peroxide (in a molar ratio 3:1) in propionic acid, were heated for 4 hr at $97-98^\circ C$. On filtering, 20.1% mercurous propionate was separated; the filtrate, after distillation of the solvent, dissolution of the residue in ether, extraction with water, and treating the water extract with KI, gave ethylmercury iodide in 54.2% yield. The solvent was evaporated from the ether solution, the residue mixed with KCl, and steam passed through the mixture. The reaction gave phenylmercury chloride in 16% yield (24% based on benzoyl

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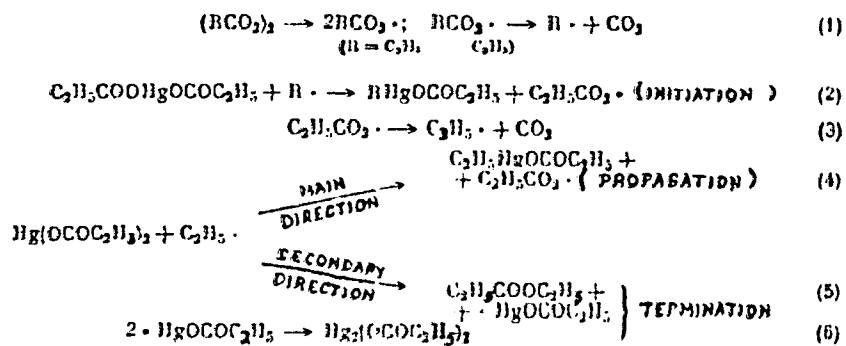
peroxide), and also a small amount of m-dinitrobenzene. The reaction gases composition was qualitatively identical with that of the preceding reaction. Mercuric propionate with benzoyl peroxide (in molar ratio 3:1) in benzene on heating at 80° C for 8 hr gave on similar treatment 10% mercurous propionate, 50% phenylmercury chloride (75% based on benzoyl peroxide), 14.35% ethylmercury chloride, 24.4% ethylmercury iodide, and a small amount of benzoic acid. Considering the products obtained, the decarboxylation mechanism of mercuric propionate can be explained by reactions (1)-(10).

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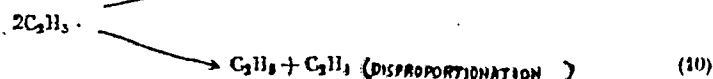
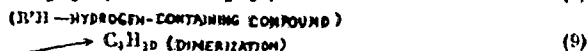
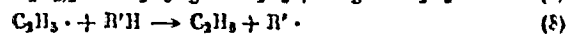
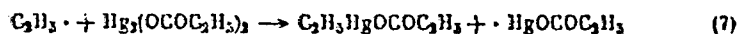


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The steam distillate, after filtration and separation of biphenyl, gave 1.21% ethylmercury iodide. Total yield of ethylmercury iodide was 55.41%. A convenient synthesis of ethylmercury salts is the reaction of mercuric propionate with 42% hydrogen peroxide in a mixture of propionic acid and propionic anhydride. On heating at 97-98% for 2 hr, the reaction gave 2.16% metallic Hg, 79% ethylmercury chloride, and 6.35% ethylmercury iodide (see method used in the decarboxylation of mercuric propionate with propionyl peroxide in

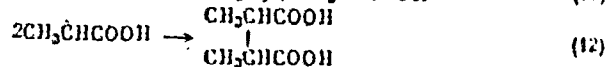
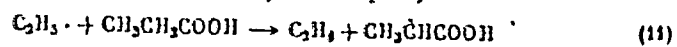
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propionic acid). Total yield of ethylmercury salts was 76.35%. The reaction gave also mercurous propionate in 1.95% yield, and 16.6% unreacted starting salt. The presence of dimethylsuccinic acid was detected, and its formation can be explained by reactions (11) and (12)



There are 10 references, 2 U.S., 1 U.K., 1 Dutch, 2 German, 4 Soviet. The U.S. and U.K. references are: F. E. Blacet, W. E. Bell, Discus. Parad. Soc., 14, 70 (1953); J. N. Pitts, Jr., R. S. Tolberg, F. W. Martin, J. Am. Chem. Soc., 76, 2843 (1954); C. D. Wagner, R. H. Smith, E. D. Peters, Ind. Eng. Ch., Anal Ed., 19, 976 (1947).

ASSOCIATION:
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Institute of Physical Organic Chemistry, Academy of

Decarboxylation of Mercuric Propionate With
Peroxides

77904
SOV/79-30-2-55/78

Sciences, Belorussian SSR (Institut fiziko-organicheskoy
khimii Akademii nauk Belorusskoy SSR)

SUBMITTED: February 9, 1959

Card 7/7

OL'DEKOP, Yu.A.; AZAMOVSKAYA, M. M.

Reactions of ditertiary butyl peroxide with mercurous and mercuric acetates, with mercuric benzoate, and with metallic mercury. Zhur.ob.khim. 30 no.7:2291-2294 J1 '60.
(MIRA 13:7)

1. Institut fiziko-organicheskoy khimii Akademii nauk Belorusskoy SSR,
(Butyl peroxide) (Mercury) (Mercury acetate)
(Benzoic acid)

OL'DEKOP, Yu.A.; IDEL'CHIK, Z.B.

Photochemical reactions of mercury organometallic compounds in solutions. Part 15: Photochemical reactions of mercury-bis-n-benzoic acid and its dimethyl ester. Zhur.ob.khim. 30 no.8: 2564-2567 Ag '60. (MIRA 13:8)

1. Institut fiziko-organicheskoy khimii Akademii nauk Belorusskoy SSR.

(Benzoic acid)

(Mercury organic compounds)

OL'DEKOP, Yu.A.; MAYYER, H.A.; GESEL'BERG, Y.I.

Photochemical reaction of n-mercury butyrate. *Zhur.ob.khim.* 30
no.8:2567-2569 Ag '60. (MIRA 13:8)

1. Institut fiziko-organicheskoy khimii Akademii nauk Belorusskoy
SSR.

(Butyric acid)

OL'DEKOP, Yu.A.; MAYYER, H.A.

Reactions of n-mercuric caprate with peroxides. Zhur. ob. khiz.
30 no.9:3017-3019 S '60. (MIRA 13:9)

1. Institut fiziko-organicheskoy khimii Akademii nauk Belorusskoy
SSR.

(Peroxides)

(Capric acid)

OL'DEKOP, Yu.A.; KALININA, A.M.

Reactions of carbon tetrachloride with benzene homologues. *Zhur.*
ob.khim. 30 no.10:3358-3361 0 '61. (MIRA 14:4)

1. Belorusskiy gosudarstvennyy universitet.
(Carbon tetrachloride) (Aromatic compounds)

OL'DEKOP, Yu.A.; MAYYER, N.A.

Reactions of mercury chloroacetate and benzoate with peroxides.
Zhur.ob.khim. 30 no.10:3472-3476 0 '61. (MIRA 14:4)

1. Institut fiziko-organicheskoy khimii Akademii nauk Belorusskoy
SSR.

(Acetic acid) (Benzoic acid) (Peroxides)

88478

S/079/61/031/001/010/025
BC01/B066

5.3700

AUTHORS: Ol'dekop, Yu. A., Azanovskaya, M. M., and Kharitonovich, A. N.

TITLE: Reactions of Silicon Peroxides With Some Tertiary Alcohols

PERIODICAL: Zhurnal obshchey khimii, 1961, Vol. 31, No. 1, pp. 126 - 128

TEXT: Among the numerous reports published in recent years on organo-elemental peroxides El-O-O-C and El-O-O-El (El = Si, B, P, or a heavy tetra- or bivalent metal) (Ref. 8) also their reaction with tertiary alcohols in the presence of acid is described. The authors applied this reaction also to the synthesis of asymmetric organic peroxides of the ROOR' type. For this purpose they studied the reactions of triphenyl carbinol with tetra-(tert-butylperoxy)-silane, trimethyl-(α -cumylperoxy)-silane, and trimethyl-(diphenyl-methylperoxy)-silane, as well as the reactions of dimethyl-phenyl carbinol, trimethyl carbinol, and 1-methyl-cyclohexanol with tetra-(tert-butylperoxy)-silane. Reaction was carried out by interaction between the tertiary alcohol dissolved in acetic acid (in the presence of a little sulfuric acid) and silicon peroxide dissolved in ether. The reaction of triphenyl carbinol with silicon peroxides gave the

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corresponding asymmetric peroxides of the ROOR' type: the peroxides of tert-butyl-triphenyl-methyl, α -cumyl-triphenyl-methyl, diphenyl-methyl-triphenyl-methyl. They are easily separable solid products. From among the liquid peroxides the peroxide of tert-butyl-1-methyl-cyclohexyl could be obtained from tetra-(tert-butylperoxy)-silane and 1-methyl-cyclohexanol in pure condition. The reaction of tetra-(tert-butylperoxy)-silane with trimethyl carbinol, and dimethyl-phenyl carbinol proceeds in an analogous way, but the ROOR'-peroxides do not result in pure condition. The heterolytic reaction of silicon peroxides with tertiary alcohols in the presence of acids takes place according to the equation

$$4ROH + Si[OOC(CH_3)_3]_4 \xrightarrow{H^+} 4(CH_3)_3COOR + Si(OH)_4$$

in the case of tetra-(tert-butylperoxy)-silane, and according to the equation

$$ROH + (CH_3)_3SiOOR' \xrightarrow{H^+} ROOR' + (CH_3)_3SiOH$$

in the remaining trimethyl-(aralkylperoxy)-silanes. The synthesis of ROOR' peroxides does not require pure silicon peroxides as starting material which simplifies the reaction. The well accessible tetra-(tert-butylperoxy)-silane "may be of some interest for synthesis". There are 11 references: 1 Soviet, 1 US,

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Reactions of Silicon Peroxides With Some
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6 British, and 3 German.

ASSOCIATION: Belorusskiy gosudarstvennyy universitet i Institut fiziko-
organicheskoy khimii Akademii nauk Belorusskoy SSR
(Belorussian State University and Institute of Physicoorganic
Chemistry of the Academy of Sciences Belorusskaya SSR)

SUBMITTED: February 18, 1960

Card 3/3

X

OL'DEKOP, Yu.A.; SEVCHENKO, A.N.; ZYAT'KOV, I.P.; BYLINA, G.S.; YEL'NITSKIY,
A.P.

Diacyl peroxides. Part 1: Synthesis and properties of nonsymmetric
diacyl peroxides. Zhur.ob.khim. 31 no.9:2904-2910 S '61.
(MIRA 14:9)

1. Belorusskiy gosudarstvennyy universitet imeni V.I.Lenina.
(Peroxides)

OL'DEKOP, Yu.A.; MOYSEYCHUK, K.L.; SEVCHENKO, A.N., akademik;
ZYAT'KOV, I.P.

1,1-Bis-acylperoxy-dicyclohexyl peroxides. Dokl. AN SSSR
139 no.5:1117-1120 Ag. '61. (MIRA 14:8)

1. Institut fiziko-organicheskoy khimii AN BSSR i Beloruskiy
gosudarstvennyy universitet im. V.I.Lenina. 2. AN BSSR (for
Sevchenko).

(Peroxides)

OL'DEKOP, Yu.A.; KALININA, A.M.; SHKLYAR, S.A.

New method of synthesizing acid chlorides and acid bromides
of aromatic acids. Dokl. AN SSSR 139 no.6:1383-1385 Ag 161.
(MIRA 14:8)

1. Belorusskiy gosudarstvennyy universitet im. V.I. Lenina.
(Acids, Organic)
(Halides)

OL'DEKOP, Yu.A.; MAYYER, N.A.

Methyl mercury pentachlorophenolate, a new fungicide. Dokl. AN BSSR
6 no.2:107-108 F '62. (MIRA 15:2)

1. Institut fiziko-organicheskoy khimii AN BSSR. Predstavleno
akademikom AN BSSR B.V. Yerofeyevym.
(Mercury organic compounds) (Fungicides)

OL'DEKOP, Yu.A.; MAYYER, N.A.

Photoreaction of mercury caprate. Part 2. Zhur.ob.khim. 32
no.5:1441-1443 My '62. (MIRA 15:5)

1. Institut fiziko-organicheskoy khimii AN Belorusskoy SSR.
(Decanoic acid) (Mercury salts) (Photochemistry)

MAYER, N.A.; GESEL'BERG, V.I.; OL'DEKOP, Yu.A.

Photoreaction of mercury (II) benzoate and α -naphthoate. Zhur.ob.-
Khim. 32 no.6:2030-2033 Js '62. (MIRA 15:6)

1. Institut fiziko-organicheskoy khimii Akademii nauk Beloruskoy
SSR.

(Mercury benzoate) (Mercury naphthoate) (Photochemistry)

S/O48/63/027/001/017/043
B163/B180

AUTHORS: Sevchenko, A. N., Ol'dekop, Yu. A., Zyat'kov, I. P., and
Bylina, G. S.

TITLE: Use of vibrational spectra for the investigation of the
reaction mechanism of auto-oxidation

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya,
v. 27, no. 1, 1963, 41-44

TEXT: In a spectrophotometer MKC-14 (IKS-14), the infrared absorption spectrum of a reaction mixture of benzaldehyde and CCl_4 was recorded during consecutive stages of the reaction in the range $700\text{-}2000\text{ cm}^{-1}$. After the end of the auto-oxidation, the absorption bands of a residue of non-oxidized benzaldehyde and of perbenzoic and benzoic acid were found, but no evidence for the presence of any other intermediate products. During the reaction, however, bands with maxima appear at 852 cm^{-1} and 1255 cm^{-1} which belong to neither perbenzoic nor benzoic acid. It is assumed that these new bands belong to some unstable intermediate product

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Use of vibrational spectra for the ...

S/048/63/027/001/017/043
B163/B180

preceding the perbenzoic acid. This paper was presented at the 14th Conference on Spectroscopy in Gor'kiy, July 5-12, 1961. There are 3 figures.

ASSOCIATION: Belorusskiy gos. universitet im. V. I. Lenina (Belorussian State University imeni V. I. Lenin)

Card 2/2

OL'DEKOP, Yu.A.; SEVCHENKO, A.N.; ZYAT'KOV, I.P.; YEL'NITSKIY, A.P.

Acyl peroxides. Part 2: Synthesis and properties of aliphatic nonsymmetrical diacyl peroxides with unbranched chains. Zhur. ob. khim. 33 no.8:2771-2774, Ag '63. (MIRA 16:11)

1. Belorusskiy gosudarstvennyy universitet imeni V.I. Lenina.

OL'DEKOP, Yu.A.; MAYYER, N.A.; PSHENICHNYY, V.N.

Acyl peroxides. Part 4: Reactions of methyl radicals with mercury(1)
acetate. Zhur.ob.khim. 34 no.1:317-320 Ja '64. (MIRA 17:3)

1. Institut fiziko-organicheskoy khimii AN BSSR.

SEVCHENKO, A. N.; OL'DEKOP, Yu. A.; ZYAT'KOV, I. P.; BYLINA, G. S.

Use of vibration spectra in studying the mechanism underlying
self-oxidation reactions. Izv. AN SSSR, Ser. fiz. 27 no.1:
41-44 Ja '63. (MIRA 16:1)

1. Belorusskiy gosudarstvennyy universitet im. V. I. Lenina.

(Molecular spectra) (Oxidation)

MAYYER, N.A. [Maer, M.A.]; ERDMAN, A.A.; LIFSHITS, F.Z. [Lifshyts, F.Z.];
CL'DEKOP, Yu.A. [Al'dekop, Yu.A.]

Decomposition of phenyl acetate of mercury oxide in solvents.
Vestsi AN BSSR Ser. fiz.-tekh. nav. no.1:49-54 '64
(MIRA 1/87)

ACCESSION NR: APL40926

S/0250/64/008/005/0316/0320

AUTHORS: Ol'dekop, Yu. A.; Bylina, G. S.

TITLE: The initiation of styrene polymerization by homologs and substitutes of acetylbenzoylperoxide (Presented by Academician N. F. Yermolenko)

SOURCE: AN BSSR. Doklady*, v. 8, no. 5, 1964, 316-320

TOPIC TAGS: styrene polymerization, acetylbenzoylperoxide polymerization initiator, acetylbenzoylperoxide homolog initiator, acetylbenzoylperoxide substitute initiator, ortho substituted acetylbenzoylperoxide, meta substituted acetylbenzoylperoxide, para substituted acetylbenzoylperoxide, styrene polymerization rate, polymerization activation energy, Hammett equation

ABSTRACT: The initiation activity of 18 acetylbenzoylperoxides on block polymerization of styrene was studied. The polymerization rate, determined dilatometrically, was used as a criterion of initiation activity at 60, 70, and 80C in the presence of 0.015 mole/liter of the initiator. It was found that the polymerization rate increased with temperature, and that the substitutions in the ortho position in the benzene ring had an enhancing effect on the polymerization rate of styrene. This was true regardless of whether the substitute was chlorine, bromine,

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ACCESSION NR: AP4040926

a methoxy, or acetoxy group. The substitution of electron-acceptor substances in meta and para positions showed an inhibiting effect on the polymerization rate of styrene, while electron-donor substitutes enhanced it (but to a lesser degree than ortho-substituted acetylbenzoylperoxides). The effect of substituting in meta and para position on the performance of acetylbenzoylperoxide as initiator correlated well with Hammett's equation. It was found that extending the length of the hydrocarbon chain in benzoylperoxides caused a gradual lowering of their initiation activity. Orig. art. has: 1 table and 2 charts.

ASSOCIATION: Belorusskiy gosudarstvennyy universitet im. V. I. Lenina
(Belorussian State University)

SUBMITTED: 12Jul63

ENCL: 00

SUB CODE: CC

NO REF SOV: 012

OTHER: 020

Card 2/2

OL'DEKOP, Yu.A.; KALININA, A.M.

Thermal reactions of polyhalomethanes with aldehydes. Zhur. ob.
khim. 34 no.10:3473-3478 0 '64. (MIRA 17:11)

1. Belorusskiy gosudarstvennyy universitet im. Lenina.

OL'DEKOP, Yu.A.; YEL'NITSKIY, A.P.

Study of acyl peroxides. Part 5: Preparation of symmetrical
diacyl peroxides from asymmetrical diacyl peroxides. Zhur.
ob. khim. 34 no.10:3478-3481 0 '64.

(MIRA 17:11)

1. Belorusskiy gosudarstvennyy universitet im. Lenina.

OL'DEKOP, Yu.A.; BYLINA, G.S.

Acyl peroxides. Part 6: Initiating activity of asymmetrical diacyl
peroxides in th bulk polymerization of styrene. Vysokoz.sped. 6
no.9:1617-1623 S '64. (MIRA 17:10)

1. Belorusskiy gosudarstvennyy universitet imeni Lenina.

OL'DEKOP, Yu.A.; MAYYER, N.A.; FSHENICHNYI, V.N.

Acyl peroxides. Part 8: Reactions of phenyl radicals with mercury
(I) acetate. Zhur. ob. khim. 35 no.5:904-907 My '65. (MIRA 18:6)

1. Institut fiziko-organicheskoy khimii AN Belorusskoy SSR.

L 52112-65 EFP(c)/EWP(j)/EAT(m) Po-L/Pr-L RM

ACCESSION NR: AP5015235

GR/0286/65/000/009/010

AUTHORS: Ol'dekop, Yu. A.; Kabardin, R. V.

TITLE: A method for obtaining oligomer products. Class 12, No. 170488

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 20

TOPIC TAGS: oligomer, octachloropentane, nonachlorobutane, tetrachlorethylene, acetyl peroxide, organic chemistry

ABSTRACT: This Author Certificate presents a method for obtaining oligomer products such as octachloropentane and nonachlorobutane. Tetrachlorethylene is reacted with acetyl peroxide while being warmed. The mass so produced is subsequently washed with water, dried with calcium chloride, separated from the solvent, and dried in a vacuum.

ASSOCIATION: none

SUBMITTED: 06Sep63

ENCL: 00

SUB: 1 D

NO REF SOV: 000

OTHER: 000

Card 1/1

OL'LEKOP, Yu.A.; BYLINA, G.S.; GRAKOVICH, L.K.; BULOYCHIK, Zh.I.; TEF, Zh.D.

Acyl peroxides. Part 7: Synthesis of asymmetrical diacyl peroxides of aliphatic and hexahydroaralyphatic series. Zhur. org. khim. 1 no.1:82-86 Ja '65. (MIRA 18:5)

1. Belorusskiy gosudarstvennyy universitet im. V.I.Lenina.

OL'DEKOP, Yu.A.; KOVALEVSKAYA, A.M.; SHKLYAR, S.A.

Thermal reactions of carbon tetrachloride and bromotrichloro-
methane with organic acids. Zhur. org. khim. 1 no.9:1540-1544
S '65. (MIRA 18:12)

1. Institut fiziko-organicheskoy khimii AN Belorusskoy SSR i
Belorusskiy gosudarstvennyy universitet imeni V.I. Lenina.
Submitted November 23, 1964.

OL'DEKOP, Yu.A.; CHURKINA, L.A.

Disulfo derivatives of di-ter-butylperoxide. Zhur. org. khim. 1
no.9:1563-1567 S '65. (MIRA 18:12)

1. Institut fiziko-organicheskoy fiziki AN Belorusskoy SSR.
Submitted June 22, 1964.

АЛЕКСАНДРОВ, Е.А.; КИЧЕВЧУК, К.Л.

Acyl peroxides. Part II: Reactions of 1,1'-bishydroperoxydi-
cyclopentyl peroxide with acyl chlorides and ketones. Zhur.
org. khim. 1 no.11:1934-1936 N '65. (MIRA 18:12)

1. Institut fiziko-organicheskoy khimii AN Belorusskoy SSR.
Submitted September 25, 1964.

5.3700, 5.3400

77405
SOV/79-30-1-66/78

AUTHORS: Ol'dekop, Yu. S., Mayer, N. A.

TITLE: Photochemical Reactions of Mercurous and Mercuric Acetate and Mercuric Propionate

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol 30, Nr 1, pp 303-307 (USSR)

ABSTRACT: Photochemical decarboxylation of mercuric acetate in benzene, acetic acid, and their mixtures; of mercurous acetate in acetic acid; and of mercuric propionate in benzene and acetic acid was investigated in this work. Experiments were conducted in a quartz flask provided with a reflux condenser and a bubbler. A PRK-4 mercury-arc lamp was sealed horizontally into the flask at such a level as to be immersed into the reaction mixture (0.03 moles of salt in 150 ml solvent). The evolved gases were collected in a gas burette, connected with the reflux condenser, and analyzed on VTI-2 and Kh-1M

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Photochemical Reactions of Mercurous
and Mercuric Acetate and Mercuric Propionate

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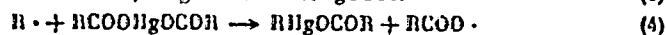
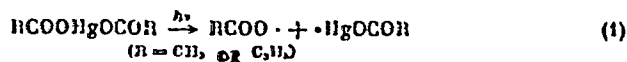
gas analyzers. After cooling of the reaction mass, the solid products were washed with benzene or acetic acid and analyzed. The product analysis has shown that: (1) Photochemical decomposition of mercuric acetate and propionate in benzene results in formation of mercurous salts and compounds of the type RHgOCOR (where $\text{R} = \text{CH}_3$ or C_2H_5), their respective yields being 60-68, and 30-34%. Both salts are stable to irradiation in benzene. (2) Addition of acetic acid speeds up photodecomposition of $(\text{RCOO})_2\text{Hg}$ with increasing yield of RHgOCOR and a decrease in yield of RCOOHg ; some metallic mercury is also formed. (3) After irradiation of mercuric and mercurous acetate in acetic acid and mercuric propionate in propionic acid, metallic mercury and compounds of the type RHgOCOR (in 60-68% yield) were obtained. The latter are decomposed upon prolonged irradiation with formation of metallic mercury. (4) The gaseous products were: methane, ethane, CO_2 ,

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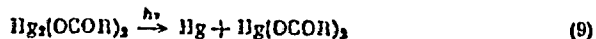
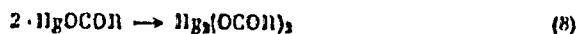
Photochemical Reactions of Mercurous
and Mercuric Acetate and Mercuric Propionate

77405
SOV/79-30-1-66/78

and CO from Hg(I) and Hg(II) acetates; ethane, ethylene, butane, CO₂, and CO from Hg(II) propionate. (5) On the basis of these results, the following scheme was proposed for the decarboxylation of mercuric salts:



R'H is
hydrogen-
containing
compound



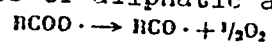
Card 3/4

Photochemical Reactions of Mercurous
and Mercuric Acetate and Mercuric Propionate

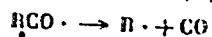
77405

SOV/79-30-1-66/78

Thus, alkylmercuric salts ($RHgOCOR$) can be conveniently synthesized by photochemical decarboxylation of mercuric salts of aliphatic acids.



(10)



(11)

There is 1 table; and 7 references, 6 Soviet, 1 German.

ASSOCIATION:

Institute of Physical Organic Chemistry, Academy of Sciences, Belorussian SSR (Institut fiziko-organicheskoy khimii Akademii nauk Belorusskoy SSR)

SUBMITTED:

January 14, 1959

Card 4/4

OLDENBURGER, R.; POPOV, B. [translator]

Theory and application of optimum nonlinear control.
Novosti avtomat telemekh no. 1:7-24 '64.

OL'DENBORGER, A.A., veterinarnyy vrach (Gomel')

Characteristics of the course of rabies in swine. Veterinaria 39
no.1:30-31 Ja '63. (MIRA 16:6)
(Rabies) (Swine--Diseases and pests)

OL'DKHROGGE, G.B.

Superregenerative receiver using a squitter circuit. Radiotekhnika
8 no. 4:27-38 J1-Ag '53. (MIRA 11:6)
(Radio—Receivers and reception)

OLDERFELD, JAN

✓ O Pewnym Typie Kiszwick Rozriad-
czach (On a Certain Type of Valva ligor
Carni) Jan Olderfeld, *Acta Biologica*
Martyni (Warsaw) 1964, 1: 111-
118. In Polish with abstracts in English
and Russian.

ETHNOLOGY, GREAT BRITAIN, 1951.

Ethnology--Great Britain

Functional school of ethnography in service of British imperialism. Trudy Inst. etn.
AN SSSR, No. 12, 1951.

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Uncl.
2

LIBRARY, U. S.

Malay Race

Malayan system of kinship. Trudy Inst. etn. AN SSSR 14, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1958, Uncl.
2

GLIDERCANE, S. A.

Sudan - Ethnology

Origin of the people of the Central Sudan from the ancient history of the Hausa-kotoko language groups. Sov. etn. No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1953², Uncl.

OL'DEROGGE, D.A.

Antiquities of Benin (on the basis of collections of the Museum
of Anthropology and Ethnography). Sbor.Mus.ant,i etn. 15:357-410
'53. (MLRA 7:4)

(Benin, Nigeria--Antiquities)

OL'DEROCGE, D. A.

Report presented at
The Sixth International Congress on Anthropological and Ethnological
Sciences, Paris 31 July-7 August 1960.

"TRAITS ESSENTIELS DE L'ÉVOLUTION DES SYSTEMES DE PARENTÉ"

OL'DEROGGE, D. A.

"Opisatel'nyye sistemy rodstva narodov Zapadnogo Sudana."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

OL'DEROGGE, G.B.

Certain special mathematical correlating codes. Radiotekhnika 18
no.7:14-19 JI '63. (MIRA 16:10)

1. Deystvitel'nyy chlen Nauchno-tekhnicheskogo obshchestva
radiotekhniki i elektrosvyazi im. A.S.Popova.

I 63076-65

ACCESSION NR: AF5013031

presented; the formulas are valid for any law of error distribution. The probability of distorting the digit is determined for KTDS, Milgo, A-1, and Kinplex transmission systems described by A. V. Fountain and R. G. Chaffin (Proc. IRE, 1961, no. 6). With a group error distribution, the use of error codes is not efficient because the redundancy associated with such codes results in such an increase in the probability of distortion that it cannot be offset by the correcting ability. The use of error-detecting codes and the repetition of messages on request seems to be more promising. Orig. art. has: 2 figures, 16 formulas, and 2 tables.

ASSOCIATION: none

SUBMITTED: 13Oct64

ENCL: 00

SUB CODE: EG,DP

NO REF SOV: 005

OTHER: 002

Card 2/2

OL'DEROGGE, YE. B.

Mar/Apr 1948

USSR/Electricity
Coaxial Lines
Waves, Electromagnetic

"Theory of Coaxial Spiral Lines," L. H. Loshakov, Candidate Phys Tech Sci; Ye. B. Ol'derogge, 10 pp

"Radiotekh" Vol III, No 2

Gives approximate theory of distribution of electromagnetic waves in spiral coaxial line, and establishes method to calculate dependence of phase velocity upon geometry of the line and the frequency.

PA 51T7

FA 30/1979

USSR/Radio Reception
Generators

Nov/Dec 48

"A Contribution to the Problem of Utilization of a Super-Generator in a Nonlinear System for Reception of Frequency-Modulated Signals," G. B. Ol'derogge, *Dokl.*, 12 pp

"Radiotekhn" Vol III, No 6 - pp. 76-87

Examines basic relationships characterizing operation of supergenerator with its circuit slightly out of tune with the frequency of the signal being received. Shows that the supergenerator frequency does not appear in its oscillation spectrum despite the fact that the instantaneous frequency at any given time is equal to the supergenerator frequency.

USSR/Radio Reception (Contd)

Nov/Dec 48

Examines problems of supergenerator detecting and amplification of frequency-modulation oscillations. Submitted 23 Jul 47.

OL'DEROGGE, G. B.

30/1979

160350, Ye.B.

AUTHOR

LOSHAKOV L.N., Regular Member of Society OLDEROGGE Ye.B.

102-3-5 11
1957-06-07

TITLE

Fast Waves in a Coaxial Spiral Line.

(Bystryye volny v koaksial'noy spiral'noy linii-Russian)

PERIODICAL

Radiotekhnika, 1957, Vol 12, Nr 6, pp 25 - 30 (U.S.S.R.)

ABSTRACT

An approximate theoretical investigation of the propagation of fast waves of various kinds in a coaxial spiral line is carried out. The conditions under which such a propagation is possible are determined. The analysis is carried out within the frame of idealization, i.e. the spiral is replaced by an anisotropically conducting cylindrical surface with a radius similar to that of the average spiral radius. First the initial relations and then the equations for the phase constant and the critical frequencies are found. For the purpose of simplification of the calculation an ideal conduction of the spiral as well as of the screen are assumed. Six independent equations are formed by means of which 5 of the 6 integration constants of the equations for the fields can be expressed by one. A transcendental equation is obtained required for the phase constant β_m of the waves of various types, which can propagate in the line investigated. The determination of the phase constant β_m leads to the graphical solution of the transcendental equation for the given geometry of the line as well as of the frequency. The equation for the critical frequencies is obtained and the evaluation of the roots of this equation shows that the basic types of the waves in the line investigated which have the lowest frequency are the a-

Card 1/2

OLDE ROUGE, Ye. G.

PHASE I BOOK EXPLOITATION

SOV/5292

Konferentsiya po elektronike sverkhvysokoy chastoty

Trudy (Transactions of the Conference on Superhigh-Frequency Electronics) Moscow, Gosenergoizdat, 1959. 271 p. 3,500 copies printed.

Sponsoring Agency: Vsesoyuznyy nauchnyy sovet po radiofizike i radio-tekhnike AN SSSR.

Eds. (Title page): I. S. Dzhigit, Professor, and Ye. G. Solov'yev, Candidate of Technical Sciences; Ed.: S. Akalunin; Tech. Ed.: G. Ye. Larionov.

PURPOSE: This book is intended for scientific and technical personnel concerned with the development and operation of superhigh-frequency devices.

COVERAGE: The book contains a number of papers dealing with the more important problems of superhigh-frequency electronics. The papers

Card ~~1/5~~ 1/3

X

SOV/5292

Transactions of the Conference (Cont.)

- Ol'derogge, Ye. B., and L. N. Loshakov. Computation of the Coupling Factor in a Bifilar-Helix Backward-Wave Oscillator 23
- Solov'yev, Ye. G. "Counter-Line Stretchers in a Rectangular Waveguide" Delay System 35
- Silin, R. A. Analysis of Multistage and Polyserial Line Stretchers of Delay Systems 45
- Afonskaya, M. N., V. G. Gabyshev, A. S. Dunayev, S. A. Zusmanovskiy, M. L. Lyubimov, A. G. Mishkin, and G. P. Shchelkunov. Klystron Amplifier of the 10-Centimeter Band With 20-Milliwatt Pulse Power 58
- Ovcharov, V. T. Cylindrical Electron Beam in a Uniform Magnetic Field 80
- Kozel', I. Sh. Concerning the Problem of Focusing a Cylindrical Hollow Electron Flow in a Periodic Magnetic Field 90

Card 3/5 ⁷/₁₅

AUTHORS: Stel'makh, M.F. and Ol'derogge, Ye.B. SOV/109-4-6-10/27

TITLE: Propagation of Electromagnetic Waves in Corrugated Systems with Annular Slots (Rasprostraneniye elektromagnitnykh voln v diafragmirovannykh zamedlyayushchikh sistemakh s kol'tsevymi shchelyami)

PERIODICAL: Radiotekhnika i elektronika, 1959, Vol 4, Nr 6, pp 980 - 987 (USSR)

ABSTRACT: The systems considered are shown diagrammatically in Figures 1a and 1b. It is assumed that in general the inner periodic structure can be displaced (along the axis z) with regard to the outer structure by a distance l . It is further assumed that losses in the conductors can be neglected and that all the time functions are sinusoidal. The system can be analysed by using the method of the "partial regions" (V.M. Lopukhin - Ref 6). It is assumed that in the regions I and III (Figures 1) only radial TEM-waves can propagate, while in the region II a TM-wave exists whose dependence on the co-ordinate z is in the form $\exp(-j\beta z)$. The fields in the region I are given by Eqs (1), (2). In the region II, the fields

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SOV/109-4-6-10/27
Propagation of Electromagnetic Waves in Corrugated Systems with
Annular Slots

are expressed by Eqs (3), (4) and (5). For the region III of the corrugated waveguide (Figure 1b) the fields are expressed by Eqs (6) and (7), while for the coaxial corrugated line (Figure 1a) the fields are expressed by Eqs (8) and (9). The boundary conditions for a slot denoted by the number q can be expressed by Eqs (10)-(13). The boundary conditions are used to evaluate the integration constants in the field equations. The constants are defined by Eqs (14)-(21). The dispersion equation of the systems is in the form of Eq (26), where the various parameters are defined by Eqs (27)-(31); the parameter α for the waveguide is given by Eq (32), while for the coaxial line it is defined by Eq (33). The solution of Eq (26) can be found graphically by finding the intersection points of the left-hand side and the right-hand side parts of the equation. The coupling coefficient between the n -th spatial harmonic of the electron beam is defined by Eq (34) where E_{zn} is the longitudinal component of the

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SOV/109-4-6-10/27

Propagation of Electromagnetic Waves in Corrugated Systems with Annular Slots

electric field of the n -th harmonic and P is the power flow through the system (without the beam). The final expression for the coupling coefficient is in the form of Eq (39). The theoretical results are employed to evaluate a number of curves illustrating the performance of the corrugated systems. The results are shown in Figures 2-8. Figure 2 shows the dispersion curves for the first background harmonic. Figure 3 illustrates the dependence of the first backward harmonic on the wavelength in planar and coaxial systems. The dependence of the coupling coefficients and the density of the starting currents on the parameter $\theta = D\beta/2\pi$ is illustrated in Figure 4; the solid curves give the coupling coefficient while the dashed curves illustrate the current densities. Further dispersion curves are given in Figure 5, while Figure 6 illustrates the coupling coefficient for anti-symmetrical waves. The distribution of the electric field in the annular slots is illustrated in Figures 7 and 8.

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From the analysis, it is concluded that the symmetrical

SOY/109-4-6-10/27
Propagation of Electromagnetic Waves in Corrugated Systems with
Annular Slots

waves can propagate in a coaxial corrugated line only within a narrow band; the anti-symmetrical waves can propagate over a wide band. Only one symmetrical wave type can exist in a corrugated waveguide. The displacement of the two periodic structures (the inner and the outer) with respect to each other has no significant effect on the shape of the dispersion curves in both the corrugated systems. There are 8 figures and 9 references, 6 of which are Soviet and 3 English; one of the Soviet references is translated from English.

SUBMITTED: March 7, 1958

Card 4/4

88698

S/058/60/000/010/007/014
A001/A001

9,4231

Translation from: Referativnyy zhurnal, Fizika, 1960, No. 10, pp. 309-310, # 27427

AUTHORS: Ol'derogge, Ye.B., Loshakov, L.N.

TITLE: Calculation of Coupling Coefficient in a Backward-Wave Tube With a Double Spiral

PERIODICAL: Tr. Konferentsii po elektronike SVCh, 1957, Moscow-Leningrad, Gosenergoizdat, 1959, pp. 23 - 24

TEXT: The authors derive a formula for calculating the coupling coefficient K_c for the interaction of an electron beam with a field of arbitrary space harmonic in a backward-wave tube with a double spiral. The spiral is assumed to be of the strip type, screen effect and losses in the spiral are neglected. Numerical calculations of K_c are performed by the formula obtained for a number of particular cases. It turned out that the way of current distribution over the spiral strip affects the magnitude of K_c only insignificantly. K_c -values decrease sharply with the increasing number of the harmonic. The coupling coefficient of the first reverse harmonic, K_{c-1} , was investigated in detail. The graphs of K_{c-1}

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Card 1/2

88698

S/058/60/000/010/007/014
A001/A001

Calculation of Coupling Coefficient in a Backward-Wave Tube With a Double Spiral

are presented as functions of geometry of the spiral, frequency and dimensions of the beam, which are of interest for the selection of characteristics of the backward-wave tube. It is found out that there is an optimum value of the spiral pitch, corresponding to the K_{c-1} maximum, for the fixed values of frequency and radius of the spiral. It is mentioned that annular beams are expedient for the operation of backward-wave tubes at sufficiently low voltages. Spirals with relatively large diameters can be used in this case.

G.N. Shvedov

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

1. 12. 021-2

ACCESSION NR: AP 374881

S. 0108/63/018/007/0014,00.

AUTHOR: Ol'derogge, G. B. (Member of the Society, see "Association")

TITLE: Some special matrix-type corrective codes

SOURCE: Radiotekhnika, v. 18, no. 7, 1963, 14-19

TOPIC TAGS: corrective code

ABSTRACT: A square matrix consisting of two-digit elements can be transformed into another square matrix whose rows and columns do not contain the numbers of the corresponding rows and columns of the original matrix. This transformed matrix is called the "Euler's square." The article considers corrective binary codes whose control symbols are formed by making even parity in the rows and columns of Euler's squares. The suggested codes permit detecting and correcting single, double and triple errors that occur in transmitting information along a symmetrical channel and also permit detecting

Card 1/2

L 14923-63

ACCESSION NR: AP3004086

quadruple errors. It is pointed out that the new code is close to optimum as far as the number of resolved code combinations is concerned. Orig. art. has 10 formulas.

ASSOCIATION: Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi (Scientific and Technical Society of Radio Engineering and Electrocommunication)

SUBMITTED: 25May62

DATE ACQ: 05Aug63

ENCL: 00

SUB CODE: CO

NO REF SOV: 001

OTHER: 000

Card 2/2

L 49799-65 EWT(1)/EEC(b)-2/EWA(h) Pm-4/Pu-4/Pac-4/Peb/Pi-4/Pj-4 JM
ACCESSION NR: AP5916100 UR/0109/65/010/004/0681/0688

AUTHOR: Loshakov, L. N., Ol'derogge, Ye. B., Pchel'nikov, Yu. N.

TITLE: Possibility of obtaining a negative depression factor in TW tubes
(Reported at the International Microwaves Electronics Congress, Paris, 1964)

SOURCE: Radiotekhnika i elektronika, v. 10, no. 4, 1965, 681-688

TOPIC TAGS: TW tube, depression factor, dispersion equation

ABSTRACT: It was stated in previous authors' works (Rad. i elektronika, 1965, 5, 12, 1968, and 1969, 4, 10, 1670) that, under certain conditions, the depression factor Γ in a TW tube may take on a negative value. The present article considers a particular case when the electron beam is close to the axis and the arguments of the Bessel function are small. In this case, the transcendental dispersion equation (1) of the TW tube may be approximately transformed into an algebraic characteristic equation of the 4th degree. Solution

Card 1/2

L 49799-65
ACCESSION NR: AP5010100

of the latter yields this formula for the depression factor:

$$\Gamma = - \frac{(\alpha \tau_0)^2 \ln \frac{1.12}{\alpha \tau_0}}{2 - \frac{1}{\ln \frac{1.12}{\alpha \tau_0}}}$$

whose values may be negative. Peculiarities of behavior of the TW tube, under negative Γ conditions, are analyzed by a numerical solution of the characteristic equation. In addition to the usual field amplification, the TW tube, when its electron velocity is varied, may amplify the space-charge wave without taking power from the electron beam. Orig. art. has: 5 figures and 25 formulas.

ASSOCIATION: none

SUBMITTED: 16 Mar 64

NO REF SOV: 008

ENCL: 00

OTHER: 002

SUB CODE: EC

Card 2/2

L 29197-66 JXT(EX)

ACC NR: AP6008287

SOURCE CODE: UR/0109/66/011/003/0503/0513

AUTHOR: Loshakov, L. N.; Ol'derogge, Ye. B.

ORG: none

TITLE: Calculating the coupling factor and depression factor for a ribbon helix when the electron beam interacts with the field of one of spatial harmonics

SOURCE: Radiotekhnika i elektronika, v. 11, no. 3, 1966, 503-513

TOPIC TAGS: TW tube, electron tube

ABSTRACT: Design formulas are developed and some numerical values calculated of the coupling factor and depression factor for the case when the electron beam interacts with the field of a spatial harmonic in a ribbon-helix-type delay system. A dispersion equation is set up for a single- or multi-start ribbon helix placed in a homogeneous nonabsorbing medium. Boundary conditions at the helix are

Card 1/2

UDC: 621.385.6.001.24

L 29197-66

ACC NR: AP6008287

0

formulated according to D. A. Watkins ("Topics in Electromagnetic Theory," NY, 1958, p. 52). Finally, very complicated general formulas for the coupling and depression factors are developed. Numerical values of both factors, for $a/b = 0.9$ and 0.4 , are calculated; a is the electron-beam radius and b is the helix radius. These values show that the depression factor for (a BW tube with) a two-start ribbon helix is of the same order as the depression factor of an anisotropic conducting surface replacing the helix. Orig. art. has: 5 figures, 58 formulas, and 1 table.

SUB CODE: 09 / SUBM DATE: 25Nov64 / ORIG REF: 004 / OTH REF: 001

Card 2/2

BLG

OLDRICH, Kliska; OTAKAR, Marban

Use of polyester resins as casting and corrosion material
in anatomical practice. Cesk. morf. 11 no.3:286-288 '63.

1. Z anatomického ustavu lekárske fakulty University Karlovy
v Praze Prednosta: prof. MUDr. et RNDr. L. Borovansky, ScDr.
(RESINS)

OTAKAR, Marhan; OLDRICH, Eliska

Embedding of anatomical preparations into the resin, ChS
polyester 104. Cesk. morf. 11 no.4:372-375 '63.

1. Anatomicky ustav fakulty vseobecneho lekarstvi university
Karlovy v Praze, prednosta prof. dr. L. Borovansky, DrSc.
(RESINS) (HISTOLOGICAL TECHNIQS)

OLDRICH, H.

OL'DRZHIK, Godok [Oldrich, Hodek], inzh. (Chekhoslovakiya)

Coal preparation in heavy fluids at the Komorany coal preparation
plant. Obog. i brik. ugl. no.7:61-68 '58. (MIRA 12:7)
(Czechoslovakia--Coal preparation)

L 24 12-62

ACCESSION NR: AP4049937

Z/0059/64/000/001/0049 0050

AUTHOR: Oldrich, K. (Engineer, Candidate of sciences)

16

TITLE: The STIA section

SOURCE: Letnany. Vyzkumny a zkusebni letecky ustav. Zpravodaj valu, no. 1, 1962, 49-50

TOPIC TAGS: computer center, data processing center, aeronautical research, aviation industry, automation

ABSTRACT: On January 1, 1962 the Vyzkumny a zkusebni letecky ustav (Aviation Research and Testing Institute) organized the Center for Information Theory and Automation - STIA in order to concentrate its workers and equipment devoted to automation and computer techniques in the aviation industry. STIA now has four expert groups under the titles Applied Mathematics, Single-purpose Computers, Analog Computers MEDA and ANALAGON, imported Digital Computers, and ARITHMATIC card machines for administrative operations. These all advise ZP (factories) of the CSVTB (Czechoslovak Scientific-Technical Service), arrange performances and help train their technicians. STIA also conducts monthly seminars for experts on specific phases of automation and computer work. Following this article is a description of the Mathematics Reference Library (SMB) published in series of Card 1/2

L 24742-65

ACCESSION NR: AP4049937

Vizmatgiz, Moscow, since 1961. Its eight volumes are listed, averaging 300 pages each, and recommended for all research and development workers dealing with mathematics.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: AC, DP

NO REF SOV: 000

OTHER: 000

Card 2/2

OLDRICH, MERT

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Application. Dyeing and Chemical Treatment of Textiles. H-34

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 16567.

Author : Mert Oldrich

Inst :

Title : Development of Modern Technology of the Dyeing of Fabrics Part III.

Orig Pub: Textil., 1956, 11, No 11, 338-340; No 12, 367-369.

Abstract: Continuous methods are considered of the dyeing of fabrics with vat dyes and direct dyes which are fixed with copper salts or by means of diazotization and coupling. The following dyeing procedures are discussed: by immersion, by immersion and steaming, in Williams' chests, in fused metal. Part I see RZhKhim, 1957, 49180.

Card : 1/1

GROSMANN, Vojtech, prof. MUDr. Techn. spoluprac: DYNAROVA, Hana; OLDRICH, Peca

The change in the effect of adrenalin and noradrenalin on the blood pressure during the ontogenesis in rats and its causes.
Sborn. ved. prac. lek. fak. Karlov. Univ. 7 no.4:513-521 '64.

1. Katedra farmakologie (prednosta: prof. MUDr. V. Grossmann)
Lekarske fakulty Karlovy University v Hradci Kralove.

S/271/63/000/004/012/04

AUTHOR: Oldrich, Poupe

TITLE: A magnetic amplifier with positive feedback and controlled setting of displacement current

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 4, 1963, 15 abstract 4A95 (Czechosl. pat., kl 21a" 18/08, no. 10230, 13.11.61)

TEXT: The text represents a patent for a magnetic amplifier circuit with internal feedback guaranteeing blocking of the load when disruption of operation occurs in the displacement current circuit. The load is connected through an output transformer to the secondary winding of two windings for saturation of the cores by DC current. The current of the magnetic amplifier is supplied through one of the windings from the power supply, compensating the current of the first winding passing through the cores. With disruption of the current in the circuit, unbalance in the action of both the windings results in saturation of the output transformer and blocking of load. M. Ts.

[Abstracter's note: Complete translation]

Card 1/1

JAROMIR, Janek; OLDRICH, Vostal

The take-off foot in athletes. Acta chir. orthop. trauma. Cech.
28 no.6:526-534 D '61.

1. Ortopedicke oddeleni Krajske detske nemocnice v Brne, prednosta
MUDr. Jaromir Janek a chirurgicke oddeleni okresni nemocnice ve
Valticich, prednosta MUDr. Jan Kralik.
(FOOT physiol) (SPORT MEDICINE)

OLDUROVA, S.V.

Significance of the filtering surface in a device for the transfusion of blood and its components. Probl. gemat. 1 paral. Krovi 8 no.9: 52-57 S '63. (MIRA 17:9)

1. Iz laboratorii konservirovaniya krovi (zav. - prof. F.R. Vinograd-Finkel') Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

USSR / Human and Animal Physiology. Blood.
Abs Jour: Ref Zhur-Biol., No 9, 1958, 41200.

T

Author : Pokrovskiy, P. I.; Oldurova, S. V.
Inst : Not Given.
Title : The Effect of Preserving Agents and the Duration
of Blood Storage on the Survival of Erythrocytes
and Their Circulation Time in the Recipient.

Orig Pub: V sb.; Sovrem. probl. gematol. i perelivaniya
krovi Vyp. 32,k., Medgiz, 1956, 164-173.

Abstract: An analysis of 121 transfusions of blood prepared
according to 7 formulas, stored for 5-15-25 days,
is presented. The number of donor erythrocytes (E)
in the recipient's blood was determined by the

Card 1/3

USSR / Human and Animal Physiology. Blood.

T

Abs Jour: Ref Zhur-Biol., No 2, 1958, 41200.

Abstract: method of selective agglutination with anti-M and anti-N sera by a method elaborated at the CIOHBTOL (Central Institute of Hematology and Blood Transfusion of the Order of Lenin). The erythrocytes of the blood preserved with the formulae CIOHBTOL No. 2,3,6,7,8,9, maintained the ability to survive for a long period of time. The best media appear to be solutions of glucose-citrate (formula No 7), glucose saccharo-citrate (formula No 9), and glucose-citrate-saline (formula No 2); somewhat less effective- saccharose-citrate solution (formula No 6); the erythrocytes of blood stored for 5 days preserved with citrate with the addition of carbohydrates had a survival time almost similar to that of direct transfusions (86-89.7%). In transfusions of blood stored for 15 days and preserved with

Card 2/3

49

USSR / Human and Animal Physiology. Blood. T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41200.

Abstract: glucose-citrate and glucose-saccharose-citrate media the survival time is 79-86%, 25 days - 67-73%. Erythrocytes of blood preserved for 5 days circulate in the recipient's blood for 11-14 weeks. E incapable of survival are broken down mainly during the first days after transfusion, particularly during the first 3 hours. This was substantiated by the results of serum bilirubin and Fe determinations. -- A. D. Beloborodova.

Card 3/3

OLDUROVA, S. V. Cand Med Sci -- (diss) ^{Reservator} "Conservation of blood with the
^{acid} new (~~acid~~) preparation of the domestic ^{acid} blood stabilizer natrog [sodium
trihydroxyglutarate]. Mos, 1957. 13 pp (Min of Health USSR. Central Inst
for the Advanced Training of Physicians), 200 copies (XL, 42-57, 94)

OLDUROVA, S.Y.

Blood preservation with a new Russian stabilizer, acidic ustrog
[with summary in English]. Probl.gemat. i perel.krovi 2 no.4:
19-22 J1-Ag '57. (MLRA 10:10)

1. Iz Tsentral'nogo ordena lenina instituta gematologii i pereli-
vaniya krovi (dir. - deyatvitel'nyy chlen AMN SSSR prof. A.A.
Bagdasaryov) Ministerstva zdравookhraneniya SSSR.
(BLOOD, PRESERVED,
stabilizer monosubstituted sodium salt of trioxyluteric
acid (Rus))
(GLUTARATES,
mono-substituted sodium salt of trioxyluteric acid as
stabilizer in blood preserv. (Rus))

OLDUROVA, S.V.

Experimental and clinical study of blood preserved with a new
Russian blood stabiliser, acid natrog. Azerb.med,shur. no.3:
70-74 Nr '58 (MIRA 11:7)

1. Iz laboratorii konservirovaniya krovi (zav. prof. F.R. Vinograd-
Finkel') Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi (dirktor - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov).
(BLOOD--COLLECTION AND PRESERVATION)
(GLUTARIC ACID)

VINOGRAD-FINKEL', F. R., prof.; OLDUROVA, S. V.

Use of citric acid as a blood stabilizer in its prolonged preservation. Probl. gemat. i perel. krovi no.10:43-45 '61.
(MIRA 14:12)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A. A. Bagdasarov [deceased]) Ministerstva zdravookhraneniya SSSR.

(BLOOD--COLLECTION AND PRESERVATION)
(CITRIC ACID)

OLDUROVA, S.V.

Experimental and clinical study of the effectiveness of transfusions with blood preserved with citric acid instead of acid sodium citrate. Probl.gemat. i perel.krovi no.11:52-55 '61.

(MIRA 15:1)

1. Iz laboratorii konservirovaniya krovi (zav. - prof. F.R. Vinograd-Finkel') Tsentral'nogo ordena Lenina instituta gamatologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov [deceased] Ministerstva zdravookhraneniya SSSR.

(BLOOD—TRANSFUSION) (CITRIC ACID) (SODIUM CITRATE)

OLLUROVA, S.V.

Clinical study on transfusions of an erythrocyte suspension containing gelatin. Probl. gemat. i perel. krovi 9 no.4: 29-30 Ap '64. (MIRA 17:11)

1. Laboratoriya koneservirovaniya krovi (zav. - prof. F.R. Vinograd-Finkel') Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya SSSR, Moskva.

L 03007-67

ACC NR: AP6033486

SOURCE CODE: UR/0413/66/000/018/0093/0093

23
B

INVENTOR: Vinograd-Pinkel', F. R.; Oldurova, S. V.

ORG: none

TITLE: Blood preservative, ²² Class 30, No. 186095

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 93

TOPIC TAGS: preserved blood, trisodium sulfate, antibiotic, *PHOSPHORIC ACID*

ABSTRACT: An Author Certificate was issued for a blood preservative containing sugars, antibiotics, citric acid, and water with phosphoric acid salt (trisodium sulfate) added to extend the preservation periods. A variation of this preservative for preserving slightly diluted blood contains: 0.75 g citric acid, 3 g glucose, 0.75 g trisodium sulfate, 0.015 g levomycetin, and 100 ml double-distilled water. A variation for preserving highly diluted blood contains: 3 g citric acid, 15 g levomycetin, and 1000 ml double-distilled water.

SUB CODE: 06/ SUBM DATE: 26Jun64/ ATD PRESS: 5099

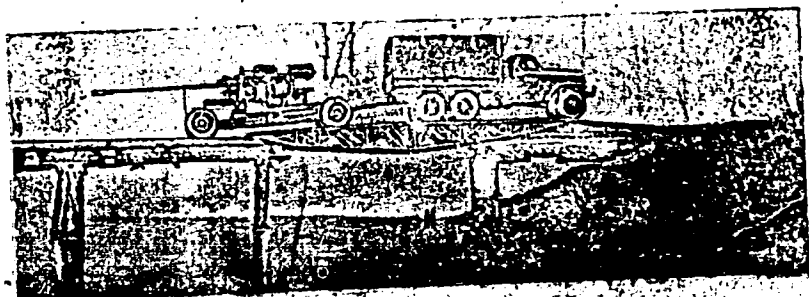
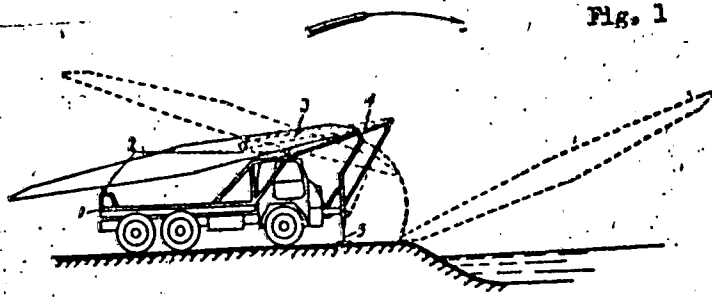
Card 1/1 awm

VDG: 615.411.387-012

L 05683-67

ACC NR: AP6014503

Fig. 1



Orig. art. has: 1 figure and 1 table.

SUB CODES: 13, 15/ SUBM DATE: None

Card 2/2

USSR/Medicine - Pancreatic Secretions

Sep/Oct 52

"The Reaction of the Nerve Tissues on Pancreatic Secretion," L. V. Oleandrov, Chair of Physiol, Moscow Acad of Agric Imeni K. A. Timiryazev

"Zhur Obshch Biol" Vol 13, No 5, pp 336-345

238749

Author discusses the historical argument bet the school of I. P. Pavlov and the British physiol school of Bellis and Starling on the causal mechanism regulating pancreatic secretions. After experimentation on animals, author asserts his findings show this

238749

mechanism as solely a neuro-humoral process (photographs). Requests physiologists reading this article to check his expts using methylene blue, treating it as a microphysiol and micropharmacol method. Refers to a book published by Bellis and Starling in 1902.

238749

STERNY L. V.

GREUDA, Jozef; KIESZ, Wadiusz; OLEARCZYK, Andrzej

Testicular seminoma with pleural metastases. Pol. przegl.
chir. 35 no.11:Supplement: 1265-1269 N°63

1. Z Oddzialu Chirurgicznego (ordynator: dr. J.Grenda); z
Oddzialu Wewnetrznego II (ordynator: dr. W.Klesn) Szpitala
Miejskiego w Starachowicach. Dyrektor Szpitala: dr. J.Grenda.

*

GRĘDA, Josef; KLARCZYK, Andrzej

Procedure during resuscitation. *Wiad. lek.* 18 no. 21:
Suppl. 19-24, 15 1965

1. Z Oddziału Chirurgicznego Szpitala Wojewódzkiego
w Kielcach (Ordynator: dr. med. J. Gręda) i z Działu
Anestezjologii (Kierownik: lek. med. A. Klarczyk).

KOWARZYK, H.;BULUK, K.;OLEARCZYK, J.

On the properties of so called "thrombin protease". Acta physiol.
polon.3 Suppl. 3: 161-164 1952. (CZML 24:1)

1. Of the Institute of General and Experimental Pathology (Head--Prof.
H. Kowarsyk, M.D.) of Wroclaw Medical Academy. 2. Thrombin
protease--is a preparation of fibrinolysin with a very high titer,
containing besides fibrinolysin thrombin in varying quantities.

BRATKOWSKA, Barbara; JANIAKOWA, Alina; OLSARCZYK, Julian

Case of parahemophilia. Polski tygod. lek. 9 no.33:1050-1052
16 Aug 54.

1. Z II Kliniki Chorob Wewnętrznych A.M. we Wrocławiu, kierownik:
prof. dr Antoni Falkiewicz i z III Kliniki Chorob Wewnętrznych A.M.
we Wrocławiu, kierownik: prof. dr Edward Szczekliki.
(HEMORRHAGIC DIATHESIS,
parahemophilia, case report)