

REMS, Maks

To the memory of Comrade Tone Rope, electrotechnical engineer,
1904-1962; obituary. PTT zbor 16 no.11:264 N '62.

REMS, Maks

Introducing working norms for the maintenance of telegraph and telephone apparatus. PTT zbor 16 no.3:59-60 Mr '62.

REMSE, Bogdan, ing. (Ljubljana)

Evaluation of series reactances between cylindrical windings of two-limb transformers. Elektr vest 28 no.11/12:241-244 '60.

1. Institut za elektrisko gospodarstvo, Ljubljana, Hajdrihova 2.

(Reactance(Electricity))
(Electric transformers)

PALI, Kalman, dr.; VISEGRADY, Lajos, dr.; REMSEY, Erno, dr.

Our experience with the treatment of incontinence in women.
Magy.noorv.lap. 20 no.6:301-306 N '59.

1. A Baranya Megyei Tanacs Korhaza (Igazgato: Steinmetz Endre dr.)
Szuleszeti es Nagygyaszati Osztalyanak (Foorvos: Pali Kalman dr.)
es Rontgen Osztalyanak (Foorvos: Visegrady Lajos dr.) kozlemenye.
(URINATION DISORDERS surg)

REMSEY, Ildiko, dr.

An unusual sleep disorder, Orv. hetil. 103 no.5:212-214 F '62.

i. Janos Korhaz, Gyermekosztaly.

(SLEEP DISORDERS)

REMSNY, Ildiko, dr.

Nutrition of premature and undernourished infants by means of a permanent catheter. Gyermekgyogyaszat 6 no.11:349-351 Nov 55.

1. Janos-korhaz Gyermekosztalyanak kozlemenye. Gyermekgyogyaszat 6 no.11:349-351 Nov 55

(INFANT NUTRITION

artificial feeding through permanent polyethylene nasal catheter in premature & undernourished newborn. technic & advantages)

(INFANT, PREMATURE

same)

REMSOVA, M., PhDr., (Praha 10, Srobarova 48); KRACMAR, J.

Contribution to the evaluation of pyrvinium methylene-bis(hydroxy-naphthoate) (varquin). Cesk. Farm. 14. ro. 8:413-418 C '65.

1. Statni ustav pro kontrolu leziv, Praha. Submitted March 11, 1965.

CZECHOSLOVAKIA

REMSOVA, M.; KRACMAR, J.; State Institute for Drug Control (Statni Ustav Pro Kontrolu Leciv), Prague.

"Analytical Study of L-3-(3,4-Dihydroxyphenyl)-2-Methylalanine (Presinol)."

Prague, Ceskoslovenska Farmacie, Vol 15, No 6, Jul 66, pp 294-299

Abstract [Authors' English summary modified]: Absorption in the ultraviolet region was studied in various solvents, and their effect on the changes of absorption minima and maxima is described. Optimum conditions for color reaction with ferric cations are discussed. Ultraviolet spectrophotometry, colorimetry after reaction with Fe⁺⁺⁺, and protogenic titration in non-aqueous solvent were used in determination of Presinol in tablets. Optical rotation characteristics and characteristic paper chromatography are discussed. 6 Figures, 2 Tables, 3 Czech references. (Manuscript received 3 Dec 65).

1/1

REMTA F.- Mechanisace Mol. 3, No. 1, Jan. 1954

Automatic loading and unloading of materials on cable railways. p. 4.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No.9, Sept. 1955 Uncl.

KLEPA, F.

Power drag scrapers. p. 229.

Vol. 3, no. 7, July 1954 (Mechanizace)

INŽENÝRSKÉ STAVBY

Praha, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

REMTA, F., prof. inz. dr.

"Trail chain conveyers" by M.Dasek, F. Jerabek, J.Baar. Reviewed
by F.Remta. Strojirenstvi 14 no.11:874 N '64.

RENTA, F.

"Automatic Loading and Unloading of Loose Materials Transported
by Aerial Ropeways or Telefers.

SO: Mechanisace, Czechoslovakia, Vol 3, No 1,
Jan 1954, (AF-617422, 12 Apr 1954)

PROCESS AND PROPERTIES INDEX

Rods, Beams, Shafts, Springs, Cables, etc.

62. Remta, F., Calculation of the cable of a cableway (in Czech), *Strojrenstvi* 1, 9, 329-335, Sept. 1951.

Emphasis is placed on correct and exact determination of stresses in all cross sections of the cables during operation of cable tramways. The following kinds of stresses and stress components are thoroughly investigated and discussed: (1) Stresses due to dead load components; (2) stresses due to resistance during operation, and to friction and stiffness of cables; (3) stresses due to gravity forces, especially at start and stop (resistance to the motion); (4) initial stresses due to balancing counterweights at one terminal; (5) stresses due to bending over power drums and grip wheels. Exact and approximate methods of calculating these stresses are explained and demonstrated by a numerical example. References are made to the following authors: Haufstengel, Dukobkij, Stephan, Rubin, and Rempa.

J. J. Polivka, USA

29

Jan '52

13-514 METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS

COMMON VARIANTS INDEX

REMTEL, S.I.

11925 AEC-tr-3000 H
SERIES OF VOLTAGES FOR HEAVY COLORED METALS
AND THEIR SULFIDES IN FUSED CHLORIDES OF
ALKALINE METALS. I. Romtel (S. E. Rennel) and L. N.
Ozeryanya (E. N. Ozeryanga). Translated from Zhur. Fiz.
Khim. 25, 1181-5 (1951). 10p.
Measurements to establish the relative arrangement of
heavy colored metals and their sulfides in a series of
voltages in a fused equimolecular mixture of KCl and NaCl
are presented. For this purpose it was sufficient to deter-
mine and compare either the electrode potentials with
respect to the reversible comparison electrode, or the
electromotive forces of the chemical chains. As compari-
son electrode the chlorine electrode was chosen, which
is reversible with respect to the $M\text{Cl}_2/\text{Cl}_2$ anion and
 Pb/PbCl_2 cation. (W.L.H.) 008

REMUKHOV, Ya., inzh.

Saving of 400,000 rubles. Mias. ind. SSSR 30 no.5:14 '59.
(MIRA 13:1)

1. Kurganskiy sovnarkhoz.
(Kurgansk Province--Meat industry)

MAY, 1.

Description of Yugoslav caves in Hercegovina, Dalmatia, Montenegro, and the former Sanjak of Novi Pazar. p. 175, (GLASNIK, No. 5/6, 1953, Belgrade, Yugoslavia)

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 1
Jan. 1955, uncl.

REMYANNIKOVA, T.N.

Characteristics of natural foci of cutaneous leishmaniasis
in some areas of Turkmenia. Izv. AN Turk. SSR. Ser. biol.
nauk no.3:60-66 '63. (MIRA 17:1)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.

ZAGNIBORODOVA, Ye.N.; KERBABAYEV, E.B.; REMYANNIKOVA, T.N.; MELEDZHAYEVA,
M.A.

Fleas in the Kara Kum Canal region. Vop.kraev.paraz.Turk.SSR
3:235-238 '62. (MIRA 16:4)
(KARA KUM CANAL REGION--FLEAS AS CARRIERS OF DISEASE)

REMZHIN, G., instruktor-trener

On race tracks of the Spartakiade. Za rul. 16 no.9:4 S '58.
(MIRA 11:10)

1. Avtomotoklub, Ordzhanikidze.
(Motorcycle racing)

REMZHINA, I.M.

Dependence of the nitrogen nutrition of corn on the moisture and
temperature of the soil. Uch.zap.Ped.inst.Gerts. 249:353-361 '63.
(MIRA 17:12)

Czechoslovakia / Zooparasitology - Mites and Insects - G-4
Disease Vectors

Abs Jour: Referat. Zh. Biol., No. 1, 1958, 381

Author : Ren, Radvan

Title : Isolation of Coxiella Burneti from Ticks Ixodes
Ricinus

Orig Pub: Ceskosl. epidemiol. mikrobiol., imunol., 1957,
6, No. 2, 85-88

Abstract: No abstract.

Card 1/1

Ren, A. G.

*Kinetics of glass formation: A. G. Ren. J. Appl.
Chem. U.S.S.R. 26, 437-43 (1953) (Engl. translation). See
C.A. 48, 6086i. H. L. H.*

SHEVCHENKO, V.B.; RENARD, E.V.; SOLOVKIN, A.S.

Extraction of trihydroxyglutaric acid into tri-n-butyl phosphate.
Zhur. neorg. khim. 5 no.10:2350-2353 0 '60. (MIRA 13:10)
(Glutaric acid) (Butyl phosphate)

RENARD, G.K.

BARSUKOV, N.I., kand.sel'skokhozyaystvennykh nauk; KIZYURIN, A.D., doktor sel'skokhozyaystvennykh nauk; BORISEVICH, V.A., kand.sel'skokhozyaystvennykh nauk; BORMUSOVA, S.N., agronom; VERMENICHEVA, M.D., kand.sel'skokhozyaystvennykh nauk; GESHLEZ, E.E., doktor biol. nauk; GOROKHOV, G.I., kand.sel'skokhozyaystvennykh nauk; GUBKIN, S.M., kand. veterinarnykh nauk; YELYKOVA, L.I., kand.sel'skokhozyaystvennykh nauk; KOTT, S.V., doktor biol. nauk; KOCHKINA, V.A., agronom; LAMBIN, A.Z., doktor biol.nauk; LEMBEDEVA, Ye.M., agronom; MALAKHOVSKIY, A.Ya., doktor sel'skokhozyaystvennykh nauk; MAYBORODA, N.M., kand. sel'skokhozyaystvennykh nauk; MAYDANYUK, A.E., zootekhnik; OVSYANNIKOV, G.Ye., kand.sel'skokhozyaystvennykh nauk; PETROV, F.A., kand.biol.nauk; POGORELOV, P.F., agronom; POLKOSHNIKOV, M.G., dotsent; ~~RENARD, G.K.~~, kand. sel'skokhozyaystvennykh nauk; RUCHKIN, V.N., prof.; SADYRIN, M.M., kand.sel'skokhozyaystvennykh nauk; TOBOL'SKIY, V.YA., vetrach; TYAZHEL'NIKOV, S.D., kand.sel'skokhozyaystvennykh nauk; UKHIN, I.I., kand.sel'skokhozyaystvennykh nauk; FEDOROV, G.V., kand.sel'skokhozyaystvennykh nauk; CHIRKOV, D.I., zootekhnik; TSINGOVATOV, V.A., prof.; SHVETSOVA, A.M., kand.sel'skokhozyaystvennykh nauk; SHEVLYAGIN, A.I., kand.sel'skokhozyaystvennykh nauk; SEMENOVSKIY, A.A., red.; GOLUBINSKAYA, Ye.S., red.; NECHAYEVA, Ye.G., red.; PERESYPKINA, Z.D., tekhnicheskij red.

[Siberian agronomist's reference manual] Spravochnaya kniga agronoma Sibiri. Moskva, Gos. izd-vo sel'khoz. lit-ry, Vol.2. 1957. 839 p.
(Siberia--Agriculture) (MIRA 11:3)

5. 5760 2209, 1273, 1208
 26.1610

20486

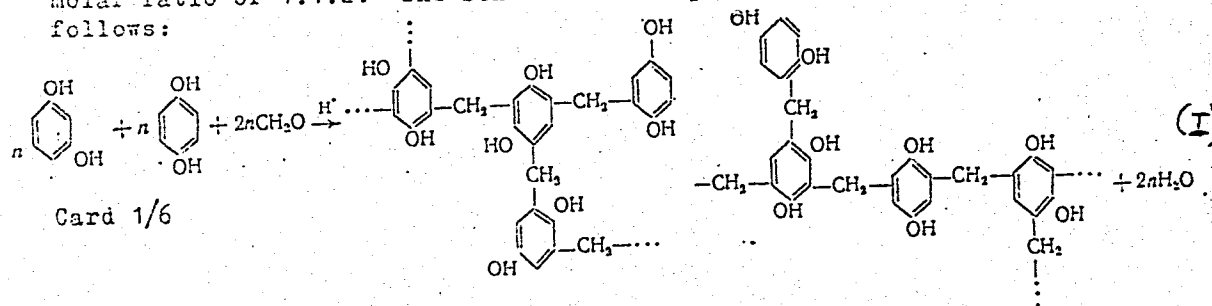
S/191/61/000/003/004/015
 B124/B203

AUTHORS: Gordiyevskiy, A. V., Renard, E. V., Voronovskaya, M. N.

TITLE: Synthesis of an electron-exchanging polymer

PERIODICAL: Plasticheskiye massy, no. 3, 1961, 20-23

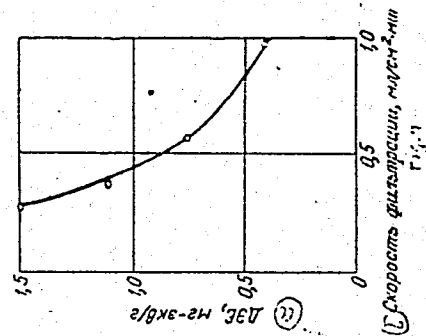
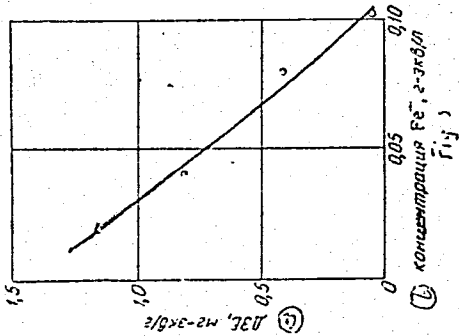
TEXT: It has been attempted during the last ten years to synthesize "electron exchangers", i.e., exchanging resins entering redox reactions and permitting sorption at the same time, the selectivity of processes being guaranteed by the constant redox potential of the polymer. The authors defined the production methods and studied the physicochemical properties of the resorcin hydroquinone formaldehyde polycondensate with a molar ratio of 1:1:2. The scheme of this process can be represented as follows:



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3124/B203

Synthesis of an electron-...



The following data are given for the chemical stability of the electron-exchanging polymer to a number of agents:

Solvent	Loss in weight, %	Solvent	Loss in weight, %
methanol	20.45	nitric acid, 3.5N	4.2
ethanol	17.4	hydrochloric acid	
acetone	19.7	3.5 N	0.2
benzene	2.5	sulfuric acid, 6.0 N	1.5
hydrogenated kerosene	2.0	soda lye, 2.5 N	6.1

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B124/B203

Synthesis of an electron-....

After repeated treatment with the same solvent, no change in weight occurs after the first treatment, since the change in weight is mainly due to the dissolution of the low-molecular components; besides, the redox capacity increases due to increased porosity after the treatment. Therefore, polymers were treated with 1.5 N HNO₃ and methanol in further tests. The

apparent redox potential of the polymer was potentiometrically determined with + 0.68 v. The principal physicochemical properties determined according to Ref. 23 (I. E. Apel'tsin et al.: Ionity i ikh primeneniye (Ionites and their application), Standartgiz, 1949) are: heat resistance 150°C, crushing 93.2%, abrasion 102.7%, bulk weight of the air-dry polymer 0.686 t/m², bulk weight of the moist polymer 0.588 t/m², swelling 11.66%. In reduction of iron, the electron-exchanging capacity after 7 cycles drops from 4.4 to 3.6 mg-equiv/g. The authors studied the effect of Fe³⁺-ion concentrations, H-ion concentration, and filtration rate on the dynamic electron-exchanging capacity (DEC) (Figs. 2-4). For the concentration constant of the redox reaction, they derived the relation $K = e^{\frac{\Delta E^0 \cdot nF}{RT}}$, where ΔE^0 is the difference between the standard redox potentials of the

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B124/B203

X

Synthesis of an electron-...

systems Fe^{+3}/Fe^{+2} and the potentials resin-ox/resin-red (0.77 - 0.68 v), n is the number of electrons participating in the reaction (n=2), and F is the Faraday number. After introduction of the numerical data, K is found to be $10^{3.12}$. There are 4 figures and 23 references: 9 Soviet-bloc and 14 non-Soviet-bloc. The reference to the English-language publication reads as follows: H. J. Gregor, J.Am.Chem.Soc. 77, 3675 (1955).

Fig. 2. Dependence of the dynamic electron-exchanging capacity (DEC) of the polymer on the acidity of the solution (Fe-content 0.04 g-equiv/l, filtration rate 0.43 ml/cm².min)

Legend: (a) DEC, mg-equiv/g, (b) acidity, g-equiv/l.

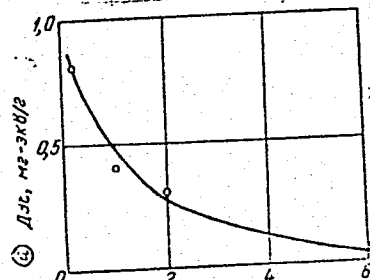


Fig. 2. Зависимость, 2-экв/л

Fig. 2

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B124/B203

Synthesis of an electron-...

Fig. 3. Dependence of the dynamic electron-exchanging capacity (DEC) of the polymer on the concentration of the reduced Fe ion (H_2SO_4 acidity 0.2 N, filtration rate 0.43 ml/cm³.min).

Legend: (a) DEC, mg-equiv/g, (b) concentration of Fe²⁺, g-equiv/l.

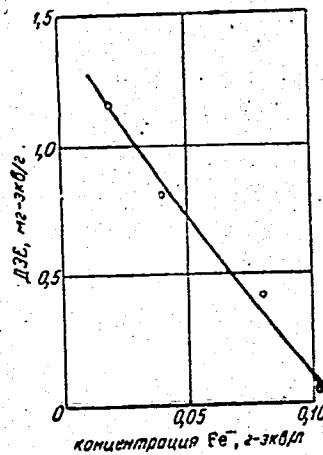


Fig. 3

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S/191/61/000/003/004/015
B124/B203

Synthesis of an electron-...

Fig. 4. Dependence of the dynamic electron-exchanging capacity (DEC) of the polymer on the filtration rate of the reduced solution (H_2SO_4 acidity 0.2 N, Fe-content 0.04 g-equiv/l)

Legend: (a) DEC, mg-equiv/g, (b) filtration rate, ml/cm²·min.

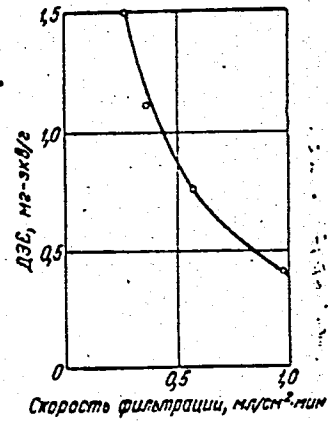


Fig. 4

Card 6/6

SHEVCHENKO, V.B.; RENARD, E.V.

Extraction of tartaric, malic, and lactic acids in tri-n-butyl
phosphate. Zhur.neorg.khim. 8 no.2:516-522 F '63. (MIRA 16:5)
(Acids, Organic) (Butyl phosphates)

GORDIYEVSKIY, A.V.; RENARD, E.V.; Primali uchastiye: BONDAREV, M.A.; SEDEL'NIKOV, V.P.

Reduction of some elements by a redox polymer. Zhur.prikl.khim. 36 no.2:
264-272 F '63. (MIRA 16:3)
(Polymers) (Oxidation-reduction reaction)

GORDIYEVSKIY, A.V.; RENARD, E.V.; VORONOVSKAYA, M.N.

Synthesis of an electron-exchange polymer. Plast.massy no.3:20-23
'61. (MIRA 14:3)

(Polymers) (Ion exchange)

RENARD, G. K.

Biochemical characterization of Omsk varieties of cherry and plum. G. K. Renard (S. M. Kirov Agr. Inst., Omsk). *Biokhim. Problemy i Osnovnye Akad. Nauk S.S.S.R. Inst. Biokhim., Sbornik* 3, 240-9(1955).—Eight varieties of cherries and 5 of plums grown in the Omsk region were analyzed in the course of growth for dry matter, sugars, and acidity. Generally, dry years raise the sugar content in the fruit. During formation of the fruit and formation of the seed kernel there takes place a reduction of dry matter content of the juice, along with increase of sugar and acid content. During ripening proper sugars and dry matter rise, while acidity declines. G. M. Kosolapoff

USSR/Cultivated Plants - Grains.

M-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29761

Author : Renard, K.

Inst : Omsk Agricultural Institute.

Title : The French Bean Crop in Western Siberia.

Orig Pub : S. kh. Sibiri, 1957, No 5, 84-86.

Abstract : Work of the Omsk Agricultural Institute's Department of Selection in deriving high yielding, drought and cold resistant forms of French beans for Southern Siberia. The 12 best forms were picked out and tested at the Botanical Garden of the West Siberian affiliate of the Academy of Sciences USSR.

Card 1/1

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RENARD, PAUL.

Populiarnyia lektsii po aviatsii. [Popular lectures on aviation]. Sostavleno
po P. Renaru i dr. pod red. V. F. Maidanova. S.-Peterburg, 1910. 163p. illus.
DLC: TL570.R3817

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

I. 62054-65 EWT(m)/EPF(c)/EWP(j)/I RM

ACCESSION NR: AP5019565

UR/0191/65/000/008/0011/0013

678.664.01:539-3

AUTHOR: Renard, T. L.; Tseytlin, G. M.; Kamenskiy, I. V.; Korshak, V. V.; Zapadinskiy, B. I.

TITLE: Synthesis and properties of polyester urethane foams based on polyesters modified by polyhydric alcohols

SOURCE: Plasticheskiy massy, no. 8, 1965, 11-13

TOPIC TAGS: polyurethane, foam plastic, polymerization

ABSTRACT: The article presents the results of production and testing thermally and mechanically stable polyester urethane foams based on polyesters synthesized using such compounds as 2,2,5,5-tetrahydroxymethylcyclopentanone and 2,2,6,6-tetrahydroxymethyl-1-hydroxycyclohexane. Such polyols are characterized by the presence of four and five hydroxyl groups and contain 5- and 6-membered saturated rings which results in polymers with high thermal stability. Syntheses were conducted at 200 ± 10°C in nitrogen atmosphere, purified from oxygen. Polyesters were foamed in closed form. It was found that the most thermally stable and strongest foams are obtained

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ACCESSION NR: AP5019565

with dimethylbenzylamine. At the same time the duration of heat treatment effects significantly the properties of polyester urethane foams. The maximum thermal stability was displayed by specimens held at 100°C for 25-30 hrs. "Some physico-chemical and dielectric properties were determined by A. A. Moiseyev and G. V. Troyan, for which the authors are deeply grateful." Orig. art. has: 1 figure and 4 tables. 6

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MT, OC

NO REF SOV: 002

OTHER: 002

llc
Card 2/2

ACC NR: AP6029049 (A) SOURCE CODE: UR/0413/66/000/014/0080/0080

INVENTORS: Konard, T. L.; Tseytlin, G. M.; Kamonskiy, I. V.; Korshak, V. V.;
Lyashevich, V. V.

ORG: none

TITLE: A method for obtaining unsaturated polyester resins. Class 39, No. 183934
[announced by Moscow Institute of Chemical Engineering im. Mendel'ev (Moskovskiy
khimiko-tekhnologicheskii institut)]

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 80

TOPIC TAGS: resin, polyester ^{resin} ~~plastic~~, polycondensation

ABSTRACT: This Author Certificate presents a method for obtaining unsaturated polyester resins by polycondensation of a heated hydroxyl-containing component with an unsaturated acid (or with its anhydride). To enlarge the assortment of fire-resisting polyesters characterized by thermal resistance and radiation stability, dichlorhydrin 2,2,5,5-tetra(hydroxymethyl) cyclopentanone is used as a hydroxyl-containing component.

SUB CODE: 11/ SUBM DATE: 29May65

Card 1/1

UDC: 678.674

KAMENSKIY, I.V.; TSEYTLIN, G.M.; RENARD, T.L.; FILIMONOVA, S.M.

Synthesis of acrylic esters of 2,2,5,5-tetra(oxymethyl)
cyclopentanone. Zhur. prikl. khim. 36 no.11:2557-2558 N '63.
(MIRA 17:1)

REMYANNIKOVA, T.N.; KARAPET'YAN, A.B.

Infection of rodents by *Leishmania tropica* as related to the season and characteristics of the population biology of mosquitoes. Izv. AN Turk. SSR. Ser. biol. nauk no.2:57-62 '62. (MIRA 17:4)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.

REMYANNIKOVA, T.N.; KARAPET'YAN, A.B.

Influence of deratization on the sand fly population of burrows. Vop.kraev.paraz.Turk.SSR 3:145-152 '62.

(MIRA 16:4)

1. Institut epidemiologii i gigiyeny, Ashkhabad.

(RATS--EXTERMINATION)

(ASHKHABAD--SAND FLIES AS CARRIERS OF DISEASE)

(ASHKHABAD--DELHI BOIL)

ACCESSION NR: AP3001576

S/0191/63/000/006/0018/0020

AUTHOR: Kamenskiy, I. V.; Tseytlin, G. M.; Ranard, T. L.; Vy*godskiy, Ya. S.

TITLE: Polymeric materials based on condensation products of alicyclic ketones with aldehydes. Synthesis and investigations of polymers based on 2,2,6,6-tetra(oxymethyl)cyclohexanol and 2,2,5,5-tetra(oxymethyl)cyclopentanone.

SOURCE: Plasticheskiye massy, no. 6, 1963, 18-20

TOPIC TAGS: alicyclic ketones, aldehydes, polymers

ABSTRACT: Polymers were made and characterized using different molar ratios of 2,2,6,6-tetra(oxymethyl)cyclohexanol or 2,2,5,5-tetra(oxymethyl)cyclopentanone with adipic acid. Increasing the molar portion of acid in the original component mixture increased rate of product strengthening. Addition of acid or basic compounds to the synthesized products does not affect strengthening rate since diisocyanates accelerate the process at that time. Thermomechanical curves for 2,2,6,6-tetra(oxymethyl)cyclohexanol adipate and 2,2,5,5-tetra(oxymethyl)cyclopentanone adipate indicate the addition of 25% of 2,4-toluylene diisocyanate increases thermal stability of the products. Adhesive joints made of the tetramethylolcyclohexanol adipate were not destroyed with prolonged heating at 250-300C. Orig. art. has: 3 figures, 3 tables and 1 equation.

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ACCESSION NR: AP3001576

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 01Jul63

ENCL: 00

SUB CODE: 00

NO REF SOV: 003

OTHER: 006

Card 2/2

GOVALLO, I.; RENARD, V.

Large Moscow television center. Radio no. 3:28-29 Mr '56.
(Moscow--Television) (MIRA 9:6)

RENARD, V.

USSR/Electronics - Television
Mobile Stations

Mar 52

"Transmissions From Outside the Studio," V. Renard

"Radio" No 3, pp 28-30

Completely describes the mobile station used for the MTTs (Moscow Television Center). The radio channel between the pickup unit and the studio operates in the centimeter band. The unit can operate at distances up to 10-15 km from the MTTs. The transmitter in the pickup unit and the receiver at the MTTs both employ reflex klystrons.

229T64

NOVAKOVSKIY, S.V.; RENARD, V.B.

[Moscow presents] Pokazyvaet Moskva. Moskva, Sviaz'izdat, 1954.
96 p. (MLRA 8:2D)

RENARD, V., inzhener.

On the other side of the television screen. Tekh.mol. 22 no.7:23-27
Jl '54. (MLRA 7:6)
(Television)

AID P - 4394

Subject : USSR/Radio

Card 1/1 Pub. 89 - 3/11

Authors : Govallo, I. and V. Renard

Title : The large Moscow Television Center

Periodical : Radio, 3, 28-29, Mr 1956

Abstract : It is reported that the Moscow Television Station (MTTs) using 625 lines and reportedly the largest in the country is not sufficient. A second station and channel are planned. The article gives details on the planned station, its location, program distribution and future color television transmission. One diagram.

Institution : None

Submitted : No date

KRIVOSHEYEV, Mark Iosifovich; LEYTES, Lev Semenovich; RENARD, Vladimir Borisovich; KRIVOSHEYEV, M.I., otv.red.; VORONOVA, A.I., red.; KARABILOVA, S.F., tekhn.red.

[Television broadcasting techniques; a collection of information]
Tekhnika televizionnogo veshchaniia; informatsionnyi sbornik.
Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1958. 162 p.
(MIRA 12:5)

(Television--Transmitters and transmission)

KENARD, K.

USSR
Cultivated plants. Commercial. Glabrous.
Sugarbeet seed.
Zhurnal, No. 1, 1957, No. 15763

M

Kenard, K.

Sugar Beet Seed Growing in Siberia

Zhurnal, No. 1, 1957, No. 3, 19-23

Successful cultivation of sugar beets in Siberia is possible only in case local seeds are sown. Experiments of the Omsk agricultural institute showed that creaser cultivation of seed plants and pinching makes it possible to get high crops of quality beet seeds in the Omskaya oblast. It is recommended that 30 to 40 thousand seedlings per hectare be planted sloping at an angle of 45°. In case of need, the planting of roots by halves and quarters is possible. The planting of one and the same maternal roots during a number of years is

also possible. They store well until spring in the cellar and yield a heightened crop of seeds.

— G.Ya. Kuznetsov

KENARD, V B.

6(6)

PHASE I BOOK EXPLOITATION

SOV/2630

Krivosheyev, Mark Iosifovich, Lev Semyenovich Leytes, and Vladimir Borisovich Renard

Tekhnika televizionnogo veshchaniya; informatsionnyy sbornik (Television Broadcasting; Information Manual) Moscow, Svyaz'izdat, 1959. 162 p. (Series: Tekhnika svyazi za rubezhom) Errata slip inserted. 11,000 copies printed.

Resp. Ed.: M. I. Krivosheyev; Tech. Ed.: S. F. Karabilova; Ed.: A. I. Voronova.

PURPOSE: This collection of articles may be useful to designers of television transmitting equipment and television stations.

COVERAGE: The book contains three articles the authors of which review the operation of Western television stations and their equipment. They describe techniques used in the West for outside broadcasting and discuss equipment and methods of measuring video-channel characteristics. No personalities are mentioned. There are 60 references: 37 English, 16 Soviet (including 5 translations), 4 German, 2 French and 1 Italian. References appear at the end of each article.

Card 1/4

Television Broadcasting; (Cont.)

SOV/2630

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L 44369-66 EWT(m)/EWP(1)/I IJ2(c) RM/WJ

ACC NR: AP6023061 (A)

SOURCE CODE: UR/0191/66/000/004/0022/0023

AUTHOR: Renard, T. L.; Korshak, V. V.; Kamenskiy, I. V.; Tseytlin, G. M.; Belova, M. P.; Kafanova, V. F.; Avtokratova, N. D.

ORG: none

TITLE: Polytetramethylolcyclopentanonmaleinate and glass-textolite based on it

SOURCE: Plasticheskiye massy, no. 4, 1966, 22-23

TOPIC TAGS: glass textolite, polyester plastic, maleic anhydride, ketone, IR spectrum

ABSTRACT: Thermomechanical properties of unsaturated polyester oligomers (UPO) prepared by fusing 2,2,5,5-tetra(oxymethyl)-cyclopentanon with maleic anhydride were studied. The fusion was carried out at 150°C in an inert gas and the liberated water was continually removed from the reaction zone. The physicomechanical properties of glass textolites based on several commercial glass cloths and UPO were examined and tabulated. The unsaturated polyester oligomers were hardened by holding at 120-250°C for 0.5-10 hrs. It was found that the lower the hardening temperature, the lower the temperature of initial deformation and the percentage of insoluble matter. At 200°C, a complete hardening was achieved in 30 minutes. The structure of the unsaturated polyester oligomers hardened at 200°C for 0.5-6 hours was determined from IR spectra. Orig. art. has: 3 figures, 2 tables.

SUB CODE: 11,07/ SUBM DATE: none/ ORIG REF: 006/ OTH REF: 002

Card 1/1 00

UDC: 678.744.342 : 678.5.06 : 677.521

44
B

RENARDI, A.

RENARDI, A. Modern feedback oscillators. Tr. from the English. p. 63. Vol. 5, no. 11, 1956 ELEKTROENERGIJA. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol 6, No. 4--April 1957

Z/032/61/011/003/005/005
E073/E335

AUTHOR: Renatus, R., Engineer

TITLE: Present State and Prospects in the Field of
Extrusion of Steel Sections

PERIODICAL: Strojírénství, 1961, Vol. 11, No. 3, p. 236

TEXT: Summary of a paper presented at a conference of the
Czechoslovak Scientific and Technical Societ, Prague, held
from September 13 - 15, 1960.

Extrusion of tubes and sections made of non-ferrous materials
has been taking place for a long time. Extrusion of steel
became possible only in the 1940's after intensive
experiments over many years, involving the use of glass as
a lubricant (Ugine - Sejournet, France). Rapid development
followed and thin welded stainless-steel tubes and sections,
which could not be produced by rolling, were produced by this
method. In most cases, solid or hollow steel blanks are
heated to 1 100 - 1 250 °C and extruded by a direct process,
i.e. in the direction of movement. The starting material
is machined throughout and then subjected to heating without

Card 1/2

Present State

Z/032/61/011/003/005/005
E073/E335

scale formation. Following that, the material is provided with a thin glass coating which prevents scale-formation, fast cooling of the blank, overheating and excessive die wear. The author gave a detailed description of the presses and the tools employed for the extrusion of steel, discussing their design, the choice of material and, particularly, die problems. Evidently, there is no universal material for dies and the die material must be chosen to suit the given product. (This is a complete translation.)

Card 2/2

RENAUD, Henri

Social Conditions - France

French workers struggle as one for their pay, for freedom and peace. Vsem.
prof. dvizh. no. 13, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952 ~~1951~~, Uncl.

REPORT, 10003
10003 Re/A.E.P., Fr. 864,842, May 6, 1941

REPORT, LOUIS.

LOUIS BRADY, Jr. 264,124, April 21, 1941

PROCESSES AND PROPERTIES INDEX

ca

6

The mutual action of the chlorides and bromides of phosphorus. H. -A. Rem. *Russkidi Chem.* 13, 501-18 (in French 519)(1931). - Analysis of the clear red liquid showed the X (halogen) to P ratio to be greater than 3:1. Further sepn. of crystals from the liquid by cooling [ice + CaCl₂ (approx. -54°)] showed the liquid had the compn. PX₃. Crystals analyzing very closely to PClBr₂ were obtained when the following reagents were used in the indicated mol. ratios: PCl₃ + 2.5PBr₃; PBr₃ + 0.5PCl₃; PBr₃ + PCl₃; they were also obtained from 3 g. PCl₃ + Br₂ + 2.84 g. PCl₃ + 2.84 g. PBr₃. PCl₂Br and PClBr₂ were also obtained. C. T. Ichimiowski

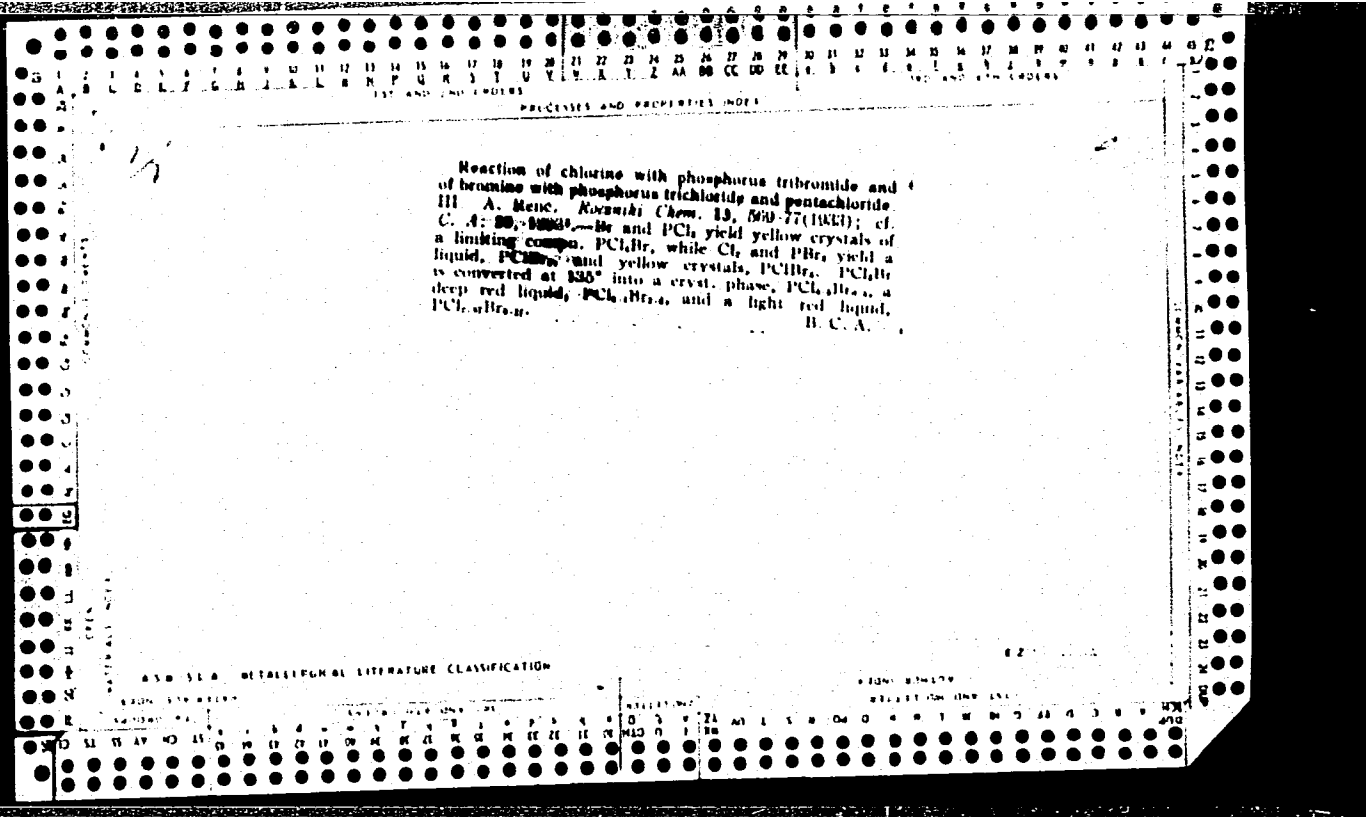
METALLURGICAL LITERATURE CLASSIFICATION

P

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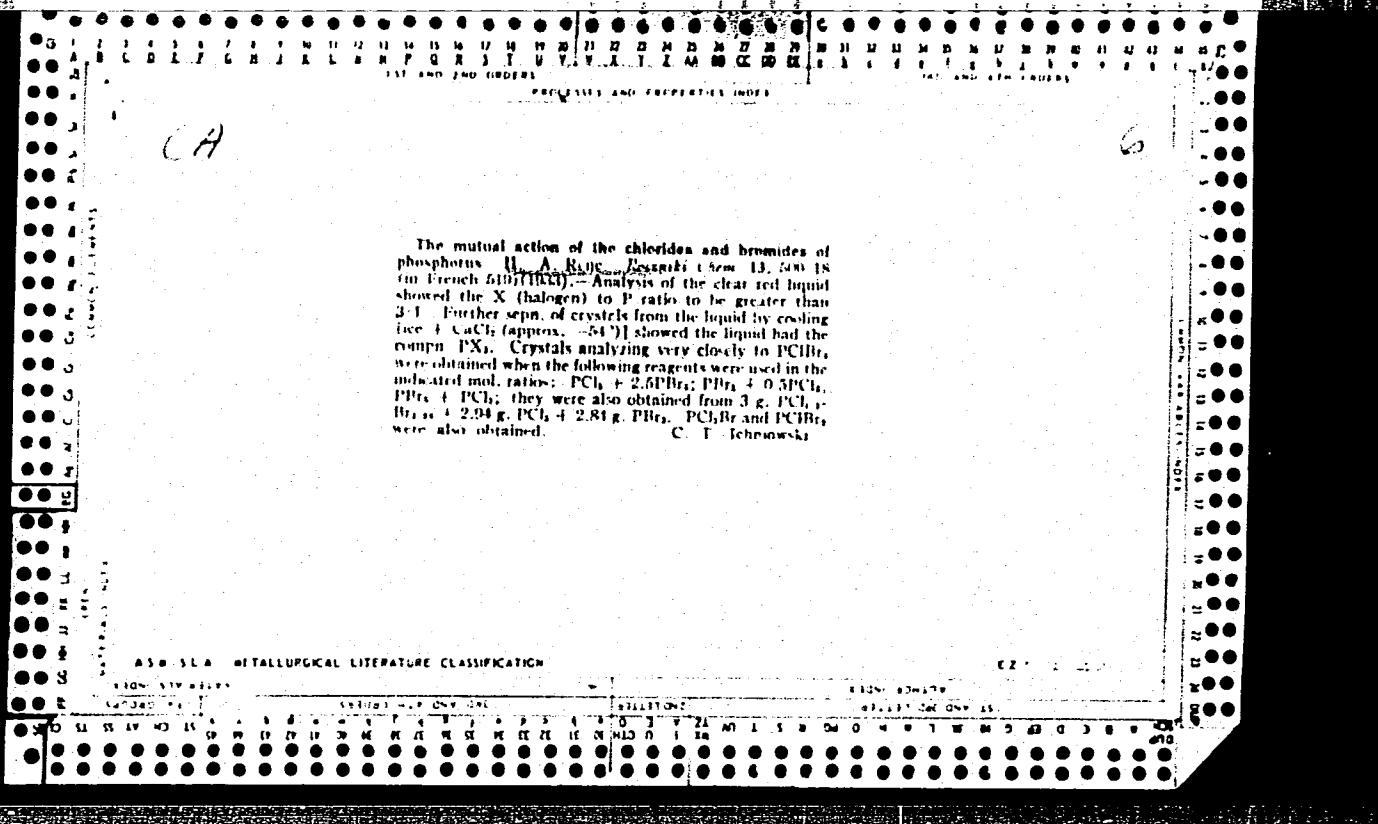
CP

PROCESSES AND PROPERTIES INDEX

Action of the bromides and chlorides of phosphorus. IV. A. Runc. *Roczniki Chem.* 14, 60-77(1934); cf. C. A. 29, 5771. The products obtained by mixing CS_2 solns. of PCl_3 and PBr_3 in various proportions are the same as those obtained in the absence of a solvent. The Cl content of the products of recrystallization of PCl_2Br and PCl_2Br_2 from CS_2 is less than, and that of PCl_2Br is greater than, that of the original crystals. Crystals contg. more than 3 atoms of Cl per atom of P lose Br under reduced pressure, yielding products of limiting compn. PCl_2Br , while those of compn. PCl_2Br_2 yield PCl_2Br . The d. of PCl_2Br and PCl_2Br_2 is less than that of mixts. of PCl_3 and PBr_3 in corresponding proportions. B. C. A.

ASB 51A METALLURGICAL LITERATURE CLASSIFICATION

470



PROCESSING AND PROPERTY INDEX

A-1

BC

Interaction of phosphorus bromide and chloride. IV. -- A. Rasm. (Zinn. Chem., 1934, 14, 66-77; cf. this vol., 188).--The products obtained by mixing OS_2 solutions of PCl_3 and PBr_3 in various proportions are the same as those obtained in the absence of a solvent. The Cl content of the products of recrystallization of $POBr_3$ and $POCl_3 \cdot Br_2$ from OS_2 is $<$, and that of $PCl_3 \cdot Br_2$ is $>$, that of the original crystals. Crystals containing > 3 atoms of Cl per atom of P lose Br under reduced pressure, yielding products of limiting composition $POCl_3 \cdot Br_2$, while those of composition $PCl_3 \cdot Br_2$ yield $POCl_3 \cdot Br_2$. The d of $PCl_3 \cdot Br_2$ and $POCl_3 \cdot Br_2$ is $<$ that of mixtures of PCl_3 and PBr_3 in corresponding proportions.

R. T.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND LETTERS	3RD AND 4TH LETTERS	5TH AND 6TH LETTERS	7TH AND 8TH LETTERS
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

ch

6

The mutual action of the chlorides and bromides of phosphorus. II. A. Renc. *Rozprawy Chem.* 13, 509 18 (in French 519)(1863).—Analysis of the clear red liquid showed the X (halogen) to P ratio to be greater than 3:1. Further sepn. of crystals from the liquid by cooling (ice + CaCl₂ approx. - 54°) showed the liquid had the compn. PX₃. Crystals analyzing very closely to PClBr₂ were obtained when the following reagents were used in the indicated mol. ratios: PCl₃ + 2.5PBr₃; PBr₃ + 0.5PCl₃; PBr₃ + PCl₃; they were also obtained from 3 g. PCl₃, Br₂ + 2.94 g. PCl₃ + 2.84 g. PBr₃. PCl₂Br and PClBr₂ were also obtained. C. I. Ichmowski

ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1900-1919

1920-1929

1930-1939

1940-1949

1950-1959

1960-1969

1970-1979

1980-1989

1990-1999

2000-2009

2010-2019

2020-2029

2030-2039

2040-2049

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2060-2069

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2180-2189

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2200-2209

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2290-2299

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2540-2549

2550-2559

2560-2569

2570-2579

2580-2589

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2650-2659

CA

6

The mutual action of the chlorides and bromides of phosphorus. I. A. Reus. *Kazanski (Chem. 13, 454 (1931); cf. C. A. 7, 20, 1203*. — Varying proportions of PCl_3 and PBr_3 were heated to 135° in sealed tubes constricted at one end. Mixts. obtained after the reaction was over fell into 3 classes: (a) From the starting mixts. corresponding to PCl_3Br_3 to PCl_2Br_4 were obtained red crystals analyzing from PCl_2Br_3 to PCl_2Br_4 and a clear red liquid; (b) starting mixts. PCl_2Br_3 and PBr_3 yielded a dark red liquid corresponding to PCl_2Br_3 and a clear red liquid; (c) starting from PCl_2Br_3 to PCl_3Br_2 gave yellow crystals of from PCl_2Br_3 to PCl_3Br_2 , a deep red liquid from PCl_2Br_3 to PCl_3Br_2 and a clear red liquid. The crystals were best sepd. by centrifuging (560 r. p. m.).
C. T. Ichniowski

ASB SEA METALLOGICAL LITERATURE CLASSIFICATION

REGION: 517-81198

RESEARCH CENTER

RESEARCH CENTER

Interaction of phosphorus bromides and chlorides. II. A RENO (Rec. Chem., 1933, 43, 509-519).—The red crystals (I) obtained on mixing PCl_3 with PBr_3 (cf. this vol. 1130) have composition $PX_{2.5}$ — $PX_{3.5}$ ($X=Cl+Br$), the yellow crystals (II) are $PX_{2.5}$, the deep red liquid (III) is $PX_{2.5}$ — $PX_{3.5}$, and the light red liquid (IV) is $PX_{2.5}$ — $PX_{3.5}$. (IV) on freezing partly crystallizes, and the liquid phase then has the composition PX_2 (PCl_2Br_2 — PCl_2Br_3). The formation of PX_2 is ascribed to elimination of Br from PBr_3 to form the chloropolybromides (I) and (II). Attempts to prepare PCl_2Br by adding mixtures of PCl_3 and PBr_3 in various proportions to (II) or to PCl_3 were unsuccessful, the ratio P:Br of the cryst. products being in all cases < 1 . The liquid phases of the systems PCl_3 — PBr_3 and PBr_3 — PCl_3 approximate to (IV), and the solid phases to (I) and (II); in particular, the compound PCl_2Br is described.

R. T.

A 5 B - 5 L A METALLURGICAL LITERATURE CLASSIFICATION

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CA

10

Monomethyl phosphite. T. MIKUROZKI AND A. RENC. *Kozwiski Chem. 11*, 811 (1930 in French)(1931).—*Monomethyl phosphite*, $C_{12}H_{15}O_2P(O)H$ (I), can be obtained by treating 1 mol. PCl_3 with 1 or 2 mols of menthol (m. pt. 42° , $[\alpha]_D^{20} -8.0^\circ$) in $PhMe$ and hydrolyzing the resulting $(C_{12}H_{15}O)PCl_2$. In addn., trimethyl phosphite is always formed (cf. *C. A.* 21, 1800). Dimethyl phosphite acid, on the other hand, cannot be prepd. because the unstable $(C_{12}H_{15}O)_2PCl$ decomps., forming $(C_{12}H_{15}O)PO$ and $C_{12}H_{15}Cl$. The yield of I equals 60% of P taken into the process. I crystallizes with difficulty, in 20° , is slightly sol. in H_2O , at 110° it gives off menthol, at 135° menthene, at 220° P_2O_5 . *Ca salt*, white tablets. *Pb salt*, white crystals, jelly like when humid. *Ag salt*, crystals. I. WURDOLAK

ASO 518 METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS
1ST AND 4TH ORDERS
PROCESSES AND PROPERTIES INDEX

BC a-3

MONOMETHYLPHOSPHOROUS ACID. T. MIKODDEK and A. RYBA (Bull. Chem., 1981, 11, 624-629).— Monomethylphosphorous acid, m. p. 26° is obtained together with trimethyl phosphite and methyl chloride by hydrolyzing $C_2H_5OPCl_2$ prepared by the action of excess of 1-methyl on PCl_5 .
ANAL. Calcd. for $C_2H_5O_2P$: C, 40.0%; H, 6.7%; P, 53.3%. Found: C, 39.8%; H, 6.5%; P, 53.1%.

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

ADDITIONAL INDEX

1ST AND 2ND ORDERS

1ST AND 4TH ORDERS

COMMON ELEMENTS

COMMON VARIABLES INDEX

OPEN

WATERGALL INDEX

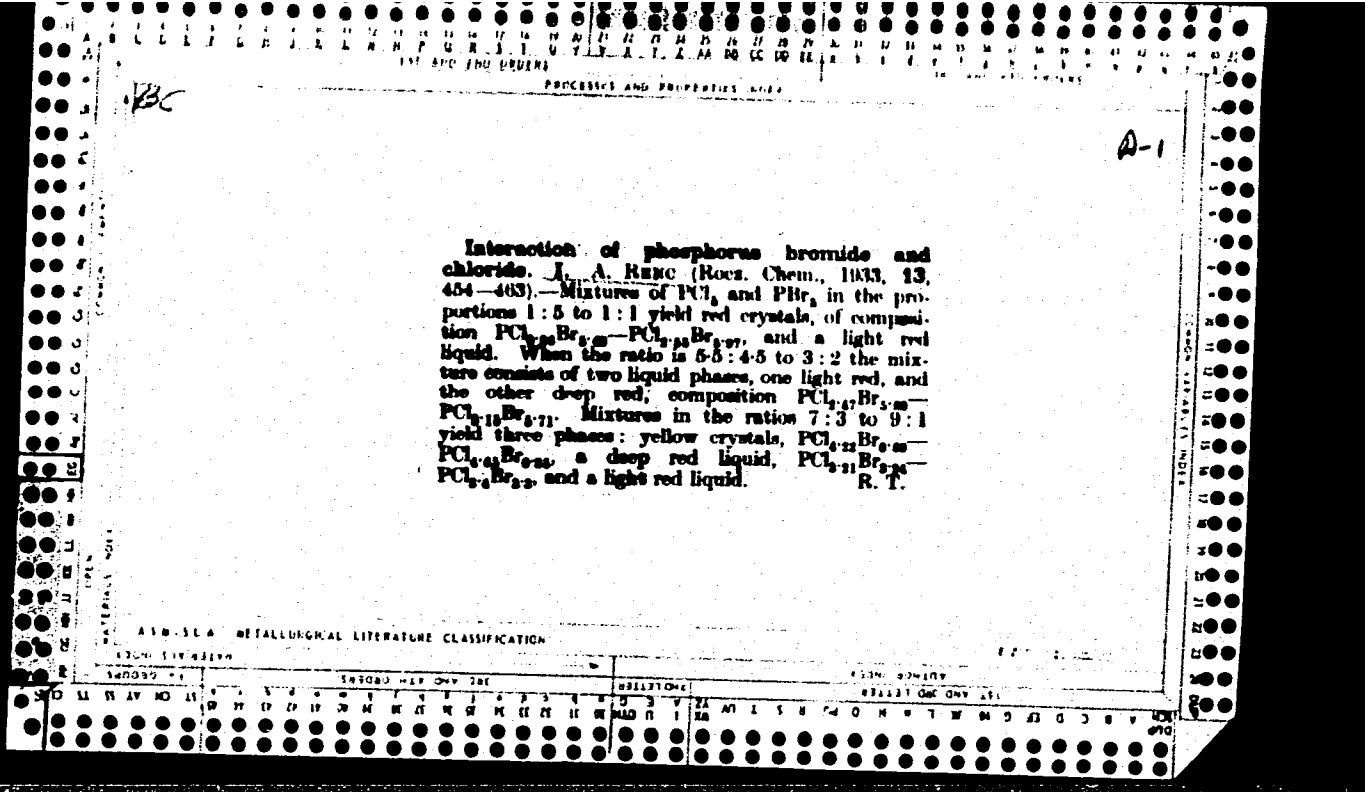
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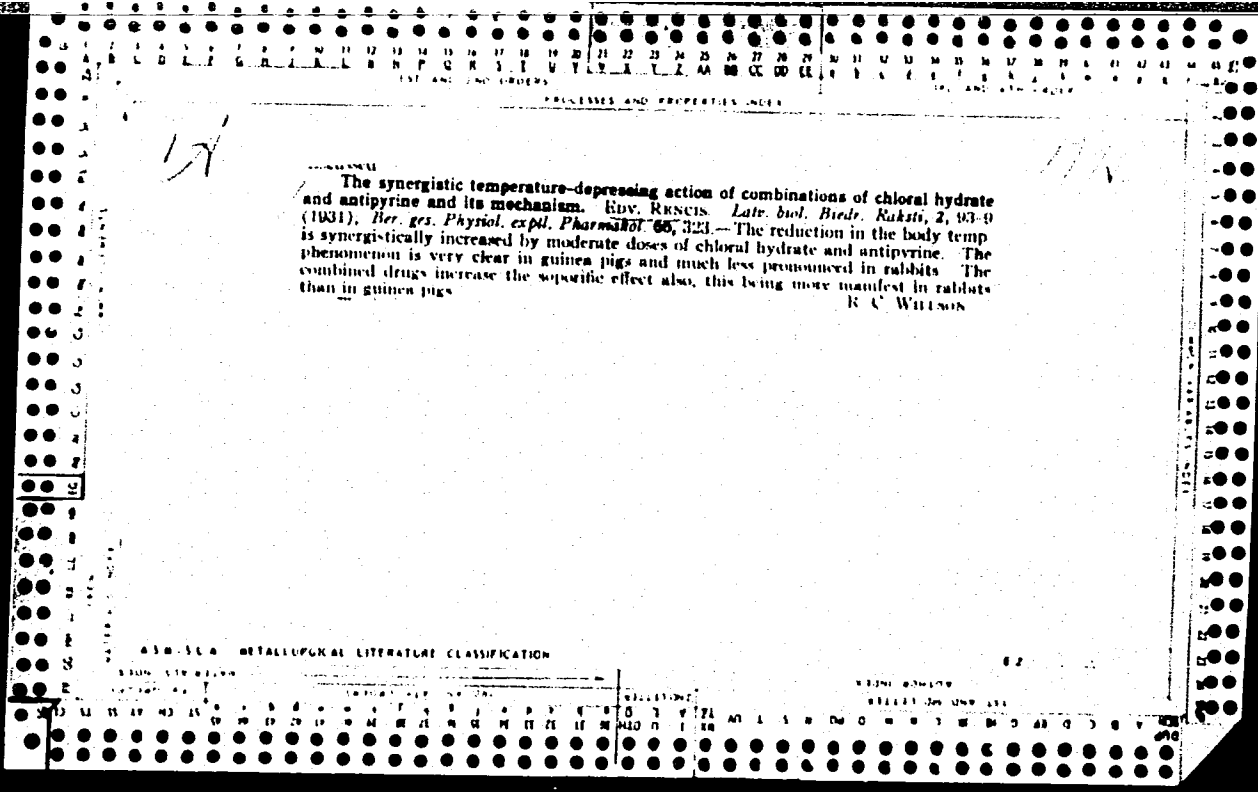
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COMMON ELEMENTS

COMMON VARIABLES INDEX





CEGIELSKI, Mieczyslaw; RENC, Barbara

Glycemic curve in surgical therapy of simple goiter and hyperthyroidism. Polski przegl. chir. 32 no.10:967-973 '60.

1. Z II Kliniki Chirurgicznej A.M. w Krakowie Kierownik: doc. dr J. Oszacki.

(GOITER surg) HYPERTHYROIDISM surg)
(BLOOD SURAR)

LASKOWNICKI, Andrzej; RENC, Barbara

Renal function in diseases of the excretory bile ducts according to the urea clearance coefficient. Polski przegl. chir. 33 no.1: 63-68 '61.

1. Z II Kliniki Chirurgicznej A.M. w Krakowie Kierownik: doc. dr J. Oszacki.

((KIDNEY FUNCTION TESTS) (BILE DUCTS dis)

EXCERPTA MEDICA Sec 8 Vol 9/9 Neurology Sept '56

3701. RENC V. *Ependymom. Ependymoma VNITŘ. LÉK. 1955, 1/1 (40-44)
TIUS. 2

Description of a case of ependymoma in the right hemisphere, with a concomitant finding of a small cyst in the hypophysis and a haemorrhage in the pineal gland. The post-mortem examination of the 6-year-old patient confirmed the clinical diagnosis.
Henner - Prague (VII, 16)

ANGYAL, L.;VAJDA, A.;NYARY, P.;RENCOK, S.;NYARY, J.

Antaethyl therapy of alcoholism. Orv. hetil. 93 no. 30:861-867
27 July 1952. (CML 23:3)

1. Doctors. 2. First Male and Female Psychopathic Department (Director
- Dr. Ivan Krasznai), Robert Karoly-korut General Hospital.

RENCUS, M., ing.

Causes of breakdowns in steam boilers. Industria usoara 3
no.9:381-387 S '56.

HERNADI, F.; RENCZ, A.; JENEY, A.; VALYI-NAGY, T.

A microbiological method for the study of radioprotective substances.
Kiserl. orvostud. 13 no.6:613-617 D '61.

1. Debreceni Orvostudományi Egyetem Gyógyszertani Intézete és I sz.
Sebeszeti Klinika Röntgen Osztálya.

(RADIATION PROTECTION) (MICROBIOLOGY)

PONGRACZ, Endre, dr.; RENCZ, Antal, dr.

Gastric neurilemmoma polyposum with unusual symptoms. Orv. hetil.
97 no.42:1172-1174 14 Oct 56.

1. A Debreceni II. sz. Sebeszeti Klinika (igazgato: Ladanyi, Jozsa,
dr. tanar) es a Debreceni I. sz. Sebeszeti Klinika Rontgen
Intezetenek (vezeto: Rencz, Antal, dr. egyet. docens) kozlemenye.

(NEURILEMMOMA

polyposum, of stomach, x-ray diag. & unusual gastric
sympt. (Hun))

(STOMACH NEOPLASMS

neurilemmoma polyposum, x-ray diag. & unusual gastric
sympt. (Hun))

MOSONYI, Laszlo, dr.; RENCZ, Antal, dr.

Clinical and roentgenological symptoms in chronic brucellosis.
Magy. belorv. arch. 8 no.5:142-148 Oct 55.

1. A Budapesti Orvostudományi Egyetem II. sz. Belklinikájának
(igazgató: Haynal, Imre dr.) és a debreceni Orvostudományi
Egyetem I. sz. Sebészeti Klinikájának (igazgató: Loessl, János dr.)
közleménye.

(BRUCELLOSIS, diagnosis.(Hun))

LIT ~~APPROVED FOR RELEASE: Tuesday, August 01, 2000~~ CIA-RDP86-00513R001 5

Complexometric determination of chromium by re-titration of
complexon excess with $\text{Co}(\text{NO}_3)_2$ in the presence of sulfocyanide
and organic bases. Studia Univ B-B S. Chem 8 no. 2:85-88 '63.

RENDEL', N., arkhitektor

Residential block along the Melnsil Street in Riga. Zhil. stroi.
stroi. no.7:6-10 '59. (MIRA 12:10)

(Riga--Apartment houses)

Rendel, T. I.

7000

Chem

Alkylation of biphenyl with alcohols in the presence of boron trifluoride. I. Romadane and T. I. Rendel (State Univ., Riga, Latvia). *Zhur. Obshchei Khim.* 26, 202-8; *J. Gen. Chem. U.S.S.R.* 26, 215-20 (1956) (Engl. translation).

Alkylation of Ph₂ with EtOH, PrOH, BuOH, iso-BuOH, iso-AmOH, and C₆H₁₁OH in the presence of BF₃ yields the purest alkyl derivs. free of olefins only when primary alcs. are employed. The alkylation occurs at the instant of decompn. of complexes of ROH with BF₃ at 162-5°. Mono- and to lesser extent dialkyl derivs. are formed. The alkylation products are oils with low solidification temp. BF₃ was generated from a soln. of B₂O₃ in H₂SO₄ by addn. of CaF₂. The alcs. were satd. with BF₃ in 3-5 hrs. and the mixt. d. treated with Ph₂; heating to 165-70° gave a vigorous reaction, continued by heating 1.5-3 hrs. at this temp. Thus were prepd.: isoamylbiphenyl, b. 150-2° (oxidation gave p-biphenylcarboxylic and terephthalic acids); isobutylbiphenyl, b. 282-6°; butylbiphenyl, b. 308-10° (dibutylbiphenyls, b. 324-6°); isopropylbiphenyl, b. 295-8°; propylbiphenyl, b. 299-300°; ethyl- and diethylbiphenyls, b. 281-2° and 304-5°, resp.; hexylbiphenyl, b. 313-15°; b. 148-50° (dihexylbiphenyls, b. 330°). The reaction products were isomer mixts. and solidified generally well under -40°.

G. M. Kosolapoff

23

PM

RENDOSH, F. [Rendos, F.]; DOMANSKIY, R.; KOZMAL, F.; ZELNIK, A.; PAYTIK, I.

Production of furfurole and acetic acid by means of low-temperature
pyrolysis of sawdust in a fluidized bed. *Gidroliz. i lesokhim. prom.*
17 no.7:12-13 '64. (MIRA 17:11)

1. Slovatskaya akademiya nauk (for Rendosh, Domanskiy, Kozmal).
2. Slovatskiy politekhnicheskiy institut (for Zelnik).
3. Zavod
'Buchina" (for Pavtik).

RENE, Vojtech, inz.

Future of monocrystals. Tech prace 16 no.12:941-943 D '64.

1. State Commission for the Development and Coordination of
Science and Technology, Prague.

TRIFAN, S. dr. N. d. ; KUK, E., dr.; DIACONU,
J. dr.

Alimentary toxicoinfection caused by *Salmonella paratyphi C*.
Microbiologia (Bucur.) 9. no. 2: 207-211. 22-Aug'67

1. Cercare efectuada la Instiutia de studii pentru igiena si protectia
muncii, Regiunea Galati.

L 3901 1210

ACC NR: AP6029595

SOURCE CODE: RU/0022/66/011/004/0204/0208

AUTHOR: Renea, Silvia (Engineer; Research Chief)

ORG: Land Improvement and Pedology Research Institute (Institutul de cercetari pentru imbunatatiri funciare si pedologie)

TITLE: Use of plastic sheets for the waterproofing of irrigation canals

SOURCE: Hidrotehnica, gospodaria apelor, meteorologia, v. 11, no. 4, 1966, 204-208

TOPIC TAGS: waterway engineering, polyethylene plastic, insecticide

ABSTRACT:

A report on the experimental use of plastic sheets for waterproofing irrigation canals. Best results were obtained with 0.15 millimeter thick black polyethylene sheets covered to a depth of 25 to 30 centimeters and protected by insecticides against insects and rodents. Such sheets increased the efficiency of the canals from 0.65 to 0.99, and are recommended for permanent canals having a discharge of 300 to 400 liters per second. Orig. art. has: 1 figure and 3 tables. [Based on author's Eng. abst.] [JPRS]

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OTH REF: 007

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UDC: 626.82:678.5

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LEADR, A.

Roller bearings. (to be contd.) p. 59.

STROJNISKI VESTNIK. (Fakulteta za elektrotehniko in strojninstvo Univerze v Ljubljani, Institut za turbotroje v Ljubljani, Drustvo strojnih inženirjev in tehnikov LR Slovenije in strojna industrija Slovenije.) Ljubljana, Yugoslavia. Vol. 5, no. 2 Mar. 1959.

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Incentive payments to the workers of design organizations.
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USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 841

Author: Romadan, I. A., and Rendel, T. I.

Institution: None

Title: Alkylation of Diphenyl with Alcohols in the Presence of BF_3

Original

Periodical: Zh. obshch. khimii, 1956, Vol 26, No 1, 202-208

Abstract: With a view to the production of heat-transfer agents, diphenyl has been alkylated with $\text{C}_2\text{H}_5\text{OH}$ (I), $\text{C}_3\text{H}_7\text{OH}$ (II), iso- $\text{C}_3\text{H}_7\text{OH}$ (III), $\text{C}_4\text{H}_9\text{OH}$ (IV), iso- $\text{C}_4\text{H}_9\text{OH}$ (V), iso- $\text{C}_5\text{H}_{11}\text{OH}$ (VI), and $\text{C}_6\text{H}_{13}\text{OH}$ (VII) in the presence of BF_3 . Mixtures of mono- and dialkyl diphenyls were obtained (usually in equal amounts). Products of highest purity and in the best yields were achieved when normal alcohols were used. The authors are of the opinion that alkylation proceeds by the formation of the complex ROHBF_3 . Procedure: to 40 gms of cold VI saturated with BF_3 add 25 gms of diphenyl and heat with mixing to 165-170° for 1.5 hours (in general, 0.5-1.5 hours for iso-alcohols and 3 hours

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UNCL.

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SERZHANTOV, S., inzhener-arkhitektor

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