

1ST AND 2ND ORDERS      PROCESSING AND PROPERTIES INDEX      3RD AND 4TH ORDERS

25

**Effect of additions upon the colloid chemical properties of viscose** S. M. Rizov. *Trudy Leningrad. Khim. Tekhnol. Inst. im. Leningrad. Soveta 10, 103-111 (1941); Chem. Zentr. 1941, II, 1898.*—A study is reported of the effect of the addn. of  $\text{Na}_2\text{S}$ , mannitol (I), and thioglycol (II) to the mercerization liquor upon the viscosity of the resulting viscose. The addn. of 12 g. l. of  $\text{Na}_2\text{S}$  produces a decrease of about 50% in the viscosity, which is further decreased during the ripening of the alkali cellulose (III); the viscosity of the III also decreased with the  $\text{Na}_2\text{S}$  and the two curves become identical after about 70 hrs. The ripening of the III appears to be catalytically accelerated by the  $\text{Na}_2\text{S}$ . However, it is not practical to use  $\text{Na}_2\text{S}$ . The addn. of 1% of I (on the wt. of the alkali) causes a much greater lowering of the viscosity of the viscose than does  $\text{Na}_2\text{S}$  and also decreases its stability. The effect is much less if the addn. is made after the III has ripened somewhat; after 24 hrs. of ripening, I has no effect on the viscosity and after a longer ripening period I may even cause a slight increase in the viscosity. I increased the velocity of  $\text{Na}_2\text{CS}_2$  formation about 2.5 times. Again, however, the use of I is not practical. Addn. of II increased the viscosity of viscose, which remains higher during the course of the ripening process than without the addn. i. e., the ripening process is retarded by II.

C. F. West

-ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

E-277

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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LOLOV, P.; RIZOV, VI.

Roentgen diagnosis of diseases of the breast. Khirurgia (Sofia)  
16 no.2:185-192 '63.

1. Iz rentgenovoto otdelenie na Okruzhnata bolnitsa - Varna.  
(BREAST DISEASES)

KOZHEVNIKOV, N.I.; RIZOV, Ya.F.

Determining the instrumental contour of a diffraction spectrograph.  
Subb.GAISH no.126:31-43 '63. (MIRA 17:2)

RIZOV, Z.M.; TODES, O.M.; MAKAROVA, A.P.

Drying of a moist charge with hot and cold air. Inzh.-fiz.  
zhur. 6 no.9:10-17 S '63. (MIRA 16:8)

RIZOV, Z.M.; TODES, O.M.

Propagation of a heat wave due to the blowing of a gas through  
a bed of porous granular materials. Part 1. Inzh.-fiz. zhur.  
6 no.5:70-74 My '63. (MIRA 16:5)  
(Heat--Transmission) (Drying)

RIZOVA, N.

"More Attention to Public Cultural Work." p. 3,  
(ZORAVEN FRONT, No. 42, Oct. 1954, Sofiya, Bulgaria)

SU: Monthly List of East European Accessions, (EEAL), LC, Vol. 4  
No. 5, May 1955, Uncl.

RIZOVA, S.

Ice cubes. Obshchestv. pit. no.4:60 Ap '58. (MIRA 11:4)  
(Ice) (Restaurants, lunchrooms, etc.--Equipment and supplies)

RIZOVA, S., sanitarnyy vrach

Sanitary conditions during the transportation of food products.  
Obshchestv.pit. no.5:50-51 My '59. (MIRA 12:8)

1. Kombinat pitaniya na Tsentral'nom stadione im. V.I.Lenina.  
(Food--Transportation)



RIZOVA, S.

Pay strict attention to sanitation. Obshchestv. pit. no. 8:10-12  
Ag '58. (MIRA 11:8)

1. Starshiy sanitarny vrach otдела organizatsii obshchestvennogo  
pitaniya Ministerstva trgovlii SSSR.  
(Restaurants, lunchrooms, etc.--Sanitation)

RIZOVA, S.

Portable laboratory. Obshchestv. pit. no.2:54-55 F '58.  
(MIRA 11:3)

(Food adulteration and inspection)

RUSSIA, U. S. R.

R/5  
852.21  
.P9

Sbornok Materialov Po Pischevoy Sanitarii Na Predpriyatiyakh Torgovli  
Obshchestvennogo Pitaniya; Spravochnoye Posobiye Dlya Sanitarnykh  
Yrchey ( Collection of Data on the Sanitary Inspection of Food in Factory,  
Food Store, and Restaurant, by) N. N. Putyagin, S. A. Rizova. Moskva,  
Gostorgizdat, 1977.

294 P. Tables.

At head of Title: Russia. Ministerstvo Torgovli.

MEMO

RIZOVATOV, A.V.

Installation and control of MKP-110 circuit breakers. Prom. energ.  
13 no.7:36-37 J1 '58. (MIRA 11:10)

1. Moskovskiy proizvodstvenno-ekspluatatsionnyy otdel Gosudarstvennogo  
proyektного instituta "Tyazhpromelektroproyekt."  
(Electric circuit breakers)

94-13-7-19/25

AUTHOR: Rizovatov, A. V.

TITLE: Installation and Adjustment of Circuit Breakers Type MKP-110 (O montazhe i regulirovke vyklyuchateley tipa MKP-110)

PERIODICAL: Promyshlennaya Energetika, 1958, Vol 13, Nr 7, pp 36-37 (USSR)

ABSTRACT: This note describes disputes that arise between erection organisations and power supply engineers over the conditions of acceptance of circuit breakers. These arise mainly because the works instructions are not sufficiently explicit. For instance, it is stated that the arc suppression chambers must be installed vertically and no indication of permissible deviations is given. To instal them strictly vertical is often impossible. In point of fact, they could be allowed to be 7 - 10 degrees from the vertical. The instructions give limiting values of contact resistance but state that the contact plugs and sockets should not be stripped for cleaning. In fact, the necessary contact resistance can often not be obtained until the contacts have been cleaned and the already assembled switchgear may have

Card 1/2

94-13-7-19/25

Installation and Adjustment of Circuit Breakers Type MKP-110  
to be partially dismantled for this purpose. Since the  
works give the velocity of the moving contacts the  
power supply engineers often demand that this velocity  
be measured though this is difficult to do. It should  
be sufficient to measure the overall time of opening  
or closing which is relatively easy.

ASSOCIATION: MOPEO GPI "Tyazhpromelektroproyekt"

Card 2/2    1. Circuit breakers - Installation    2. Circuit breakers -  
Operation

SOKOLOV, B.A., red.; RIZOVATOV, A.V., red.

[Instructions on the determination of the possibility of using d.c. machines without preliminary drying] Instruktsiia po opredeleniiu vozmozhnosti vklucheniia vrashchaischikhsia elektricheskikh mashin postoiannogo toka bez susnki (SN 282-64). Moskva, Stroiizdat, 1965. (MII A 18:7)  
8 p.

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Sokolov).
3. Moskovskoye eksperimental'noye otdeleniye Gosudarstvennogo proyektного instituta tyazheloy elektricheskoy promyshlennosti (for Rizovaton).

BOGDANOV, K.D.; DELIBASH, B.A.; VENETSIANOV, Ye.A.; GUREYEV, V.A.;  
ZHIVOV, M.S.; ZEVAKIN, A.I.; MAYFEL'D, M.R.; NEYMAN, Kh.G.;  
KUZNETSOV, I.P.; RIZOVAIGOV, A.V.; RUBINSHTEYN, Ya.A.;  
TRIFONOV, A.N.; TRUNKOVSKIY, L.Ye.; KHROMCHENO, G.Ye.

[Organization and performance of electrical equipment instal-  
lation operations] Organizatsiia i proizvodstvo elektromon-  
tazhnykh rabot. Moskva, Stroiizdat, 1964. 602 p.  
(MIRA 18:3)



RIZOVATOV, A. V.

RIZOVATOV, A. V.

Calipers

Centering of shafts with the aid of  
vernier calipers. Rab. energ. 2 no. 5,  
1952.

Monthly List of Russian Accessions. Library of Congress, August 1952. UNCLASSIFIED.

RIZOVATOV, A. V. Eng.,

Electric Transformers

Moisting and installing radiators on large transformers. Sbor. mat. o nov. tekhn. v stroi.  
15 No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

RIKUNOV, A. V. Eng.

Electric Machinery - Maintenance and Repair

Device for inspecting electric machinery and for installing large current transformers.  
Sbor. nat. i nov. tekhn. v stroi. 15 No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

RIZOVATOV, V.

Mortars and concretes with an addition of table salt.  
Stroitel' 8 no.10:5-6 0 '62. (MIRA 15:11)  
(Concrete construction—Cold weather conditions)  
(Mortar) (Salt)

GRUZANS, A., inzh.; RIZOVS, A., arhitekt; RIEKSTS, I., red.

[Fundamentals of construction and sanitary engineering]  
Celtniecibas pamati un eku sanitara tehnika. Riga,  
Latvijas Valsts izd-ba, 1963. 418 p. [In Latvian]  
(IRA 18:2)

RIZPOLOZHENSKIY, N. I.

"Method for Obtaining Some Cyclic Esters of Phosphorous Acid and  
Properties of Some Cyclic Esters of Phosphorous Acid," Iz. Ak. Nauk SSSR, Otdel.  
Khim. Nauk. No.2, 1948

Chem. Sci.Res. Inst. im. Butlerov, Kazan' State U. im. Ul'yanov

Chemical Abst.  
Vol. 48 No. 8  
Apr. 25, 1954  
Organic Chemistry

RIZPOLOZHENSKIY, N. I.

Diethylamides of esters of phosphonoformic acid. <sup>(2) Chen</sup> B. A. Arbuzov and N. I. Rizpolozhenskii. *Bull. acad. sci. U.S.S.R., Classe sci. chim.* 1952, 759-64 (Engl. translation). See *C.A.* 47, 10457g. H. I., H. I.

11-11-54  
my

ARBUZOV, B.A.; RIZPOLOZHENSKIY, N.I.

Diethylamides of esters of phosphonoformic acid. *Izvest. Akad. Nauk S.S.S.R.*  
Otdel. Khim. Nauk '52, 847-53. (MLRA 5:11)  
(CA 47 no.20:10457 '53)

1. A.E.Arbuzov Inst., Kazan.



ARBUZOV, B.A.; RIZPOLOZHENSKIY, N.I.

Esters of ethylphosphonous acid and some of their transformations. I.  
Complete esters of ethylphosphonous acid. Izvest. Akad. Nauk S.S.S.R.,  
Otdel. Khim. Nauk '52, 854-64. (MIRA 5:11)  
(CA 47 no.19:9903 '53)

1. A.Ye. Arbuzov Inst., Kazan.

1. ARBUZOV, B. A., RIZPOLOZHENSKIY, N. I.
2. USSR (600)
4. Phosphinic Acid
7. Esters of ethylphosphinic acid and their transformations. Part 2. Incomplete esters of ethylphosphinic acid. Izv. AN SSSR. Otd. khim. nauk, No. 5, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

RIZP. LOZHENCKIY, N. I.

PA 234T10

USSR/Chemistry - Organophosphorus Com-  
pounds 1 Apr 52

"Esters of Ethylphosphinic Acid," B. A. Arfurov, N. I. Rizpolozhenckiy, Chem Inst imeni A. Ye. Arbutzov, Kazan' Affiliate, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol 83, No 4, p 581

The following esters of ethylphosphinic acid have been synthesized for the 1st time: dimethyl, diethyl, dipropyl, diisopropyl, dibutyl, dihexyl, and dioctyl. They were obtained through the action of the appropriate alc on ethyldichlorophosphine in the presence of pyridine. The reaction was carried out in ether as a solvent under an atm of carbon dioxide. Tabulates the phys properties and yields of these compds which oxidize very readily in air. Investigation of the esters is being continued.

234T10

KIZPOLOZHENSKIY, N. I.

Esters of phosphonic acid. B. A. Arbuzov and N. I. Kizpolozhenskiy. *Doklady Akad. Nauk S.S.S.R.* 89, 291-2 (1953); cf. *C.A.* 47, 9903b, 9904c.—The compds. described by Pleis (*C.A.* 36, 2562<sup>g</sup>) are not authentic, as shown by the current work; their consts. are completely in error. The authentic esters of type  $\text{Et}_3\text{POR}$  (I) are more reactive than  $\text{EtP}(\text{OR})_3$ , as expected from their closer analogy to a tertiary phosphine. The following esters were prepd. from  $\text{Et}_3\text{PCl}$  with ROH in the presence of either pyridine or  $\text{Et}_3\text{N}$  in dry  $\text{Et}_2\text{O}$  under a  $\text{CO}_2$  atm. The following bad smelling liquids are readily oxidized in air (even the decyl esters fumes on exposure to the atm.) (R, b.p.,  $d_4$ , and  $n_D^{20}$  given):  $\text{Et}$ ,  $b_m$  71-2°, 0.8496, 1.4328;  $\text{Pr}$ ,  $b_m$  87-9°, 0.8523, 1.4365;  $\text{Me}_2\text{CH}$ ,  $b_m$  78-9°, 0.8395, 1.4320;  $\text{Bu}$ ,  $b_m$  64-5°, 0.8516, 1.4410;  $\text{iso-Bu}$ ,  $b_m$  81-2°, 0.8430, 1.4381;  $\text{C}_6\text{H}_{13}$ ,  $b_m$  88-9°, 0.8503, 1.4448;  $\text{C}_8\text{H}_{17}$ ,  $b_m$  70-1°, 0.8347, 1.4495;  $\text{C}_{10}\text{H}_{21}$ ,  $b_m$  82-3°, 0.8379, 1.4520;  $\text{C}_{12}\text{H}_{25}$ ,  $b_m$  94-0°, 0.8584, 1.4525;  $\text{C}_{14}\text{H}_{29}$ ,  $b_m$  103.5-5.0°, 0.8531, 1.4531. To 2.5 g.  $\text{Et}_3\text{POBu}$  was added the theoretical amt. of S, which led to temp. rise to 150°, indicating most vigorous addn.; distn. gave  $\text{Et}_2\text{P}(\text{S})\text{OBu}$ ,  $b_m$  74-4.5°, 0.9779, 1.4833. To 2.7 g.  $\text{Et}_3\text{POBu}$  was added 0.2 g. BuI; within 4 min. the temp. of the mixt. rose to 190° yielding  $\text{Et}_2\text{BuPO}$ ,  $b_m$  85.5-6.0°, 0.9290, 1.4589.  $\text{Et}_3\text{CH}_2\text{CO}_2\text{Et}$  gave  $\text{Et}_2\text{P}(\text{O})\text{CH}_2\text{CO}_2\text{Et}$ ,  $b_m$  113-13.5°, 1.0733, 1.4638.  $\text{Et}_3\text{POBu}$  with CuI yields a viscous yellow fluid.  $\text{Et}_3\text{PCl}_2$

adds S in the presence of  $\text{AlCl}_3$  catalyst and  $\text{Et}_3\text{PCl}$  adds S rather energetically, yielding  $\text{Et}_2\text{PSCl}$ ,  $b_m$  90-90.5°, 1.1438, 1.5294. For the prepn. of  $\text{Et}_3\text{PCl}$ , cf. Beeby and Mann (*C.A.* 45, 9062a).  
G. M. Kosolapoff

RIZPOLOZHENSKIY, N. I.

USSR/ Chemistry      Synthesis

Card            : 1/1      Pub. 40 - 9/27

Authors        : Arbuzov, B. A., and Rizpolozhenskiy, N. I.

Title          : Ethylphosphonous acid esters and some of their conversions. Part 4.-  
Synthesis of ethyldiethylamidoformylphosphinic acid esters

Periodical     : Izv. AN SSSR. Otd. khim. nauk 4, 631 - 635, July - August 1954

Abstract       : The synthesis of ethyldiethylamidoformylphosphinic acid esters, through  
the reaction of diethylcarbamic acid chloride with sodium salts of  
ethylphosphinic acid esters, is described. The yield of the reaction  
product in this case was found to be much lower than the yield obtained  
during regrouping of absolute ethylphosphinic acid esters. The  
physical properties, of the esters obtained, are shown in a table.  
Seven references: 5 USSR; 1 USA and 1 German (1897 - 1952).

Institution    : Acad. of Sc. USSR, Kazan Branch, The A. E. Arbuzov Chemical Institute

Submitted     : June 19, 1953

RIZPOLOZHENSKIY, N.I.

Tetraethyl monothioxyphosphate, A. B. Arbusov

B. A. Arbusov, and N. I. Rizpolozhenzki, U.S.S.R.  
100,896, Sept. 25, 1955. Na diethylmonothiophosphate  
is acted upon by phosgene in an inert solvent, e.g., C<sub>6</sub>H<sub>6</sub>,  
and ligroine, and the product is sepd. in the usual manner.  
M. Hoch-

4E4-11

PM 008

RIZPOLOZHENSKIY, N.I.

USSR/ Chemistry - Organic chemistry

Card 1/1 Pub. 40 - 9/26

Authors : Arbuzov, B. A., and Rizpolozhenskiy, N. I.

Title : Esters of ethylphosphinic acids and some of their conversions. Part 5.  
Synthesis of dialkylphosphinic acid esters

Periodical : Izv. AN SSSR. Otd. khim. nauk 2, 253 - 259, Mar-Apr 1955

Abstract : Experiments were conducted to determine the applicability of a certain reaction method to the synthesis of dialkylphosphinic acid esters and particularly esters with mixed radicals. It is shown that acid esters of ethylphosphinic acid, like acid esters of phosphorous acid, form sodium salts when exposed to reaction with metallic sodium. It was established that the reaction between sodium salts of ethylphosphinic acid esters (ethylphosphinates) with alkyl halides results in the formation of ethylalkylphosphinic acid esters. The properties of the esters are analyzed. Six references: 4 USSR, 1 USA and 1 German (1897-1953). Table.

Institution : Acad. of Sc., USSR, Kazan Branch, The A. Ye. Arbuzov Chemistry Inst.

Submitted : January 16, 1954

REZEGIYEVSKIY, N.I.; BOYKO, D.V.; ZVEREVA, N.A.

Synthesis of glycidyl esters of phosphorus acids. Dokl.  
AN SSSR 155 no. 6:1137-1139 Ap 1962. (MIRA 17:5)

L. Khimicheskiy institut im. A.Ye.Arbusova Kazanskogo filiala  
AN SSSR. Predstavleno kandidatom N.A.Arbusovym.



RIZPOLOZHENSKIY, N. I.

Chem

Esters of ethylphosphinous acid and their conversion. VI. Ethyl-*NN*-diethylphosphonamidous acid. B. A. Arbuzov, N. I. Rizpolozhenskii, and M. A. Zvereva (*Izv. Akad. Nauk SSSR, Otd. Khim. Nauk*, 1955, 1021-1030).—The chloroanhydride of ethyl-*NN*-diethylphosphonamidous acid (I) was obtained by reaction of  $\text{NHEt}_2$  on  $\text{PEtCl}_2$  in absolute ether. (a) By the action of  $\text{EtOH}$  on the chloroanhydride of I in absolute ether,  $\text{EtP(OEt)}_2$  and  $\text{Et}_2\text{NH}\cdot\text{HCl}$  were obtained. (b) Esters of I were obtained by action of  $\text{EtOH}$  on the chloroanhydride of I in absolute ether in presence of  $\text{NEt}_3$ . (c) By this method, esters (Me to decyl) of I were obtained with yields of 77-22%; these easily combined with sulphur to form esters of ethyl-*NN*-diethylphosphonamidothionic acid.

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A. L. B.

ARBUZOV, B.A.; RIZPOLOZHENSKIY, N.I.; ZVEREVA, M.A.

Esters of ethylphosphinous acid and some transformations of these esters. Report No. 7. Mixed anhydrides of ethylphosphinous and dialkyl phosphorous acids; anhydride of ethylphosphinous and isopropoxyethylphosphinous acids. Methyl ester of ethyldithiophosphinous acid. Izv. AN SSSR Otd. khim. nauk no. 2: 179-186 F '57.  
(MLRA 10:4)

1. Khimicheskiy institut im. akad. A. Ye. Arbuzova, Kazanskogo filiala Akademii nauk SSSR.

(Phosphinous acid)

AUTHORS: Arbuzov, B. A., Rizpolozhenskiy, N. I., Zvereva, M. A. SOV/62-58-6-9/37

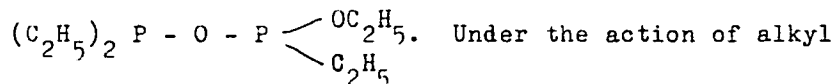
TITLE: The Esters of Ethyl-Phosphinic Acid and Some of Its Transformations (Efiry etilfosfinistoy kisloty i ikh nekotoryye prevrashcheniya) Communication 8. Mixed Anhydrides of Dialkyl-Phosphoric Acid, Ethyl-Phosphinic Acid, and Diethyl-Phosphinic Acid (Soobshcheniye 8. Smeshannyye angidridy dialkilfosforistoy, etilfosfinistoy i dietilfosfinistoy kislot)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk, 1958, Nr 6, pp. 706-712 (USSR)

ABSTRACT: Kosolapov and Watson (Uotson) (Ref 1) were the first to obtain anhydrides of di-n.-propylic and di-n.-butyl phosphinic acid as a result of the action of the chlorine anhydride of dialkyl phosphinic acid upon the esters of this acid. Later, the same authors (Ref 2) obtained anhydrides of dimethyl- and diethyl phosphinic acid. In the present paper the authors describe the method of obtaining mixed anhydrides of the type

Card 1/3  $(Et)_2 P - O - P (OH)_2 (R=C_2H_5; C_3H_7-n; C_3H_7-i)_4$

The Esters of Ethyl-Phosphinic Acid and Some of Its Transformations. Communication 8. Mixed Anhydrides of Dialkyl-Phosphoric Acid, Ethyl-Phosphinic Acid, and Diethyl-Phosphinic Acid. SOV/62-58-6-9/37



halides brought to bear upon the mixed anhydrides tetraalkylhalidephosphonium is formed. Under the action of sulphur the mixed anhydrides combine only with a sulphur atom (and sulphur combines with phosphorus which contains 2 ethyl radicals). There are 2 tables and 3 references,

ASSOCIATION: Khimicheskiy institut im. A. Ye. Arbuzova, Kazanskogo filiala AN SSSR (Chemical Institute imeni A. Ye. Arbuzov Kazan' Branch, AS USSR)

SUBMITTED: December 21, 1956

Card 2/3

Properties of Ethyl-Phosphinic Acid and Some of its  
Derivatives. Communication 8. Mixed  
Anhydrides of Dialkyl-Phosphoric Acid, Ethyl-Phosphinic Acid, and  
Ethyl-Phosphinic Acid SOV/62-58-6-9/37

1. Chlorine anhydrides--Chemical reactions 2. Phosphinic acid esters--Chemical  
reactions 3. Phosphinic anhydrides--Production 4. Sulfur--Chemical effects

Cont 5/3

5(3)

SOV/62-59-2-32/40

AUTHORS:

Rizpolozhenskiy, N. I., Zvereva, M. A.

TITLE:

 $\beta,\beta$ -Dichloro-vinyl Ester Derivatives of Ethyl Phosphinic Acid  
(Proizvodnyye  $\beta,\beta$ -dikhlorvinilovogo efira etilfosfinovoy kisloty)

PERIODICAL:

Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk,  
1959, Nr 2, pp 358-360 (USSR)

ABSTRACT:

In the present paper the interaction of chloral with alkyl and dialkyl phosphinic acid derivatives was investigated as well as the physiological activity of derivatives of the  $\beta,\beta$ -dichloro-vinyl esters of ethyl phosphinic acid. The reaction of chloral with the following compounds was investigated:  $C_2H_5P(OR)_2$ ,

where OR =  $OCH_3$ ;  $OC_2H_5$ ;  $OC_3H_7-n$ ;  $OC_3H_7-i$ ;  $OC_5H_{11-n}$ ;  $OCH_2C_6H_5$ ;

$(C_2H_5)_2POR$  and  $C_2H_5P \begin{matrix} N(R')_2 \\ \backslash \\ OR \end{matrix}$ , where  $R' = CH_3$  and  $C_2H_5$ ; OR =  $OCH_3$ .

Corresponding  $\beta,\beta$ -dichloro-vinyl ester derivatives of the ethyl phosphinic acid were obtained. The principal physico-chemical constants and analyses of the compounds obtained are given in

Card 1/2

SOV/62-59-2-32/40

$\beta,\beta$ -Dichloro-vinyl Ester Derivatives of Ethyl Phosphinic Acid

table 1. Preliminary investigations of the physiological activity of some of these compounds were carried out at the Physiological Laboratory KFAN USSR under the supervision of I. D. Neklesova. It was proved that they are physiologically highly active. In the course of the investigation the esters of the ethyl phosphinic acid not yet described were synthesized in addition. They were obtained according to a method previously described (Ref 5). The principal constants of these esters are listed in table 2. There are 2 tables and 5 references, 3 of which are Soviet.

ASSOCIATION: Khimicheskiy institut im. A. Ye. Arbuzova Kazanskogo filiala AN SSSR (Institute of Chemistry imeni A. Ye. Arbuzov of the Kazan' Branch, AS USSR)

SUBMITTED: July 12, 1958

Card 2/2

5 3630

27489  
S/062/61/000/009/004/014  
B117/B101

AUTHORS: Rizpolozhenskiy, N. I., and Muslinkin, A. A.  
TITLE: Reaction of epichlorohydrin with chlorides of phosphoric acids  
PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 9, 1961, 1600-1606

TEXT: The reactions of epichlorohydrin with phosphorus trichloride, phenyl-dichloro phosphine, ethyl-dichloro phosphine and methyl-dichloro phosphine oxide were studied. In the presence of a few drops of titanium tetrachloride, epichlorohydrin reacts with phosphorus trichloride in a molar ratio 1 : 1 under considerable spontaneous heating. Distillation of the reaction products yielded 3 fractions: the  $\beta, \beta'$ -dichloro-isopropyl phosphinous acid dichloride, b.p. 49-51°C (1 mm Hg), yield 28%; the bis- $(\beta, \beta'$ -dichloro-isopropyl) phosphinous acid chloride, b.p. 122-124°C (1 mm Hg), yield 26%, and the bis- $(\beta, \beta'$ -dichloro-isopropyl ester) of  $\beta, \gamma$ -dichloropropyl phosphinic acid, b.p. 170-172°C (0.02 mm Hg), yield 47.5%. The two first-mentioned fractions fume in air, the first more  
Card 1/4



27189  
S/062/61/000/009/004/014  
B117/B101

Reaction of epichlorohydrin ...

intensely than the second. The reaction of epichlorohydrin with phosphorus trichloride in a molar ratio 3 : 1, leading to a thick, yellow liquid is also exothermic. During distillation under vacuum the tris-( $\beta,\beta'$ -dichloro-isopropyl) phosphite formed in the reaction undergoes isomerization according to a mechanism suggested by M. I. Kabachnik and P. A. Rossiyskaya (Ref. 3: Izv. AN SSSR. Otd. khim. n. 1946, 403), yielding the bis-( $\beta,\beta'$ -dichloro-isopropyl) ester of  $\beta,\gamma$ -dichloro-propyl phosphinic acid. Isomerization occurs at a bath temperature of  $\sim 160^{\circ}\text{C}$  and is accompanied by intense bubbling of the substance. The reaction product is a transparent, viscous liquid. Epichlorohydrin reacts with phenyl-dichloro phosphine and ethyl-dichloro phosphine in the presence of a few drops of titanium tetrachloride with evolution of heat, an effect particularly marked in the second case. Rearrangement of the reaction product leads to the  $\beta,\beta'$ -dichloro-isopropyl ester of  $\beta,\gamma$ -dichloro-propyl-phenyl phosphinic acid, b.p.  $179-181^{\circ}\text{C}$  (0.02 mm Hg), yield 88%; and the  $\beta,\beta'$ -dichloro-isopropyl ester of  $\beta,\gamma$ -dichloro-propyl-ethyl phosphinic acid, b.p.  $149-151^{\circ}\text{C}$  (0.05 mm Hg), yield 54%, respectively. On heating to  $75^{\circ}-80^{\circ}\text{C}$ , epichlorohydrin reacts with methyl-dichloro phosphine oxide. The reaction product, the bis-( $\beta,\beta'$ -dichloro-isopropyl ester) of methyl

Card 2/4

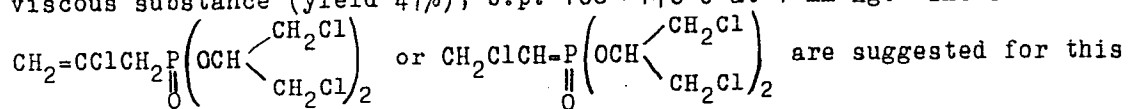
27489

S/062/61/000/009/004/014

B117/B101

Reaction of epichlorohydrin ...

phosphinic acid, is a colorless liquid, b.p. 127-129°C (1 mm Hg), yield 75%. By treating the bis-(β,β'-dichloro-isopropyl ester) of β,γ-dichloro-propyl phosphinic acid at 130°-140°C with phosphorus pentachloride in a molar ratio 1 : 2, the β,β'-dichloro-isopropyl ester of β,γ-dichloro-propyl phosphinic acid chloride, b.p. 188-190°C (8 mm Hg), yield 43%, was obtained. Dehydrochlorination of the bis-(β,β'-dichloro-isopropyl ester) of β,γ-dichloropropyl phosphinic acid with triethyl amine in benzene by the method of Ye. L. Gefter (Ref. 5: Zh. obshch. khimii 28, 2500 (1958)) yielded a viscous substance (yield 47%), b.p. 168°-170°C at 1 mm Hg. The formulas



compound. The structure of the products formed by the reaction of epichlorohydrin with phosphoric acid chlorides was confirmed by synthesis according to a different reaction path. The reaction of ethyl-dichloro phosphine with glycerol α,γ-dichlorohydrin yielded the bis-(β,β'-dichloro-isopropyl ester) of ethyl phosphinic acid. After vacuum distillation and isomerization, the β,β'-dichloro-isopropyl ester of β,γ-dichloro-propyl-

Card 3/4

271,89  
S/062/61/000/009/004/014  
B117/B101

Reaction of epichlorohydrin ...

ethyl phosphinic acid was isolated. The identity of the products obtained in these two ways was verified by comparison of their physical and chemical constants. The infrared spectra of the compounds were also in complete agreement. The studies performed indicate the compounds obtained to have iso structure. The authors thank R. Shagidullin for taking several infrared spectra. The Arbuzov isomerization is mentioned. There are 2 tables and 6 references: 5 Soviet and 1 non-Soviet.

ASSOCIATION: Institut organicheskoy khimii Akademii nauk SSSR, Kazan' (Institute of Organic Chemistry of the Academy of Sciences USSR, Kazan')

SUBMITTED: February 20, 1961

Card 4/4

ACC NR: AP7005111

SOURCE CODE: UR/0020/66/168/004/0807/0809

AKAMSTIN, V. D., RIZPOLOZHENSKIY, N. I., Institute of Organic and Physical Chemistry (Imeni A. Ye. Arbuzov, Academy of Sciences USSR (Institut organicheskoy i fizicheskoy khimii AN SSSR))  
"Esters of Diethylthiophosphinous Acid"

Moscow, Doklady Akademii Nauk SSSR, Vol 168, No 4, 1966, pp 807-809

Abstract: Esters of diethylthiophosphinous acid were produced by the reaction of diethylchlorophosphine with mercaptans in the presence of triethylamine in dry ether medium at reduced temperature. All the synthesized esters added sulfur exothermally, forming esters of diethyldithiophosphinic acid. In a calculation of the molecular refractions of the esters of diethyldithiophosphinic acid on the basis of the literature values of the atomic refractions of sulfur and phosphorus, a consistent discrepancy was obtained. Under the action of alkyl halides (ethyl iodide, benzyl bromide, methyl iodide), the ethyl ester of diethylthiophosphinous acid isomerized to an alkyldiethylphosphine sulfide, yielding an alkyltriethylphosphonium halide as a side product. Intermediate products of the Arbuzov rearrangement: addition products of alkyl halides to the ethyl ester of diethylthiophosphinous acid were isolated. Thermal decomposition (110-120°) of the addition product of benzyl bromide to the ethyl ester of diethylthiophosphinous acid produced benzyldiethylphosphine sulfide in 82% yield. Esters of diethylthiophosphinous acid reacted with chloral, but no individual reaction products could be isolated. Orig. art. has: 3 formulas and 3 tables. [JPRS: 38,970]

Card 1/2

UDC: 547.241 + 661.718.1

ACC NR: AP6035681 (A,N) SOURCE CODE: UR/0413/66/000/019/0030/0030

INVENTOR: Rizpolozhenskiy, N. I.; Akamsin, V. D.

ORG: none

TITLE: Preparation of thiophosphinites and dithiophosphinites.  
Class 12, No. 186463

SOURCE: Izobreteniya, promyshlennyye obraztsey, tovarnyye znaki, no. 19,  
1966, 30

TOPIC TAGS: thiophosphinite, dithiophosphinite, phosphinic acid, mercaptan,  
chloride

ABSTRACT: To simplify the process of the preparation of thiophosphin-  
ites and dithiophosphinites by the reactions of mercaptans with phos-  
phinic acid chloride and phosphinic acid dichloride, the reaction is  
conducted in a solvent, e.g., methylene chloride. [W.A. 50]

SUB CODE: 07/ SUBM DATE: 06Dec65

Card 1/1

UDG: 547.419.1'122.07

RIZPOLOZHENSKIY, N.I.; MUSLINKIN, A.A.

Reactions of epichlorohydrin with phosphorus acid chlorides. Izv.  
AN SSSR. Otd.khim.nauk no.9:1600-1606 S '61. (MIRA 14:9)

1. Institut organicheskoy khimii AN SSSR, Kazan'.  
(Epichlorohydrin) (Phosphorus acids)

RIZSKIN, V.J., a muszaki tudományok kandidátusa, tanszékvezető docens

Development of up-to-date thermal plants in the Soviet Union.  
Energia es atom 16 no.3:125-131 Mr '63.

1. Moszkvai Energetikai Intezet Hoeromuvek Tanszeke.

RIZUN, B.P.

Prospects for finding gas in the northeastern part of the  
outer zone in the Carpathian piedmont fault. Geol. zhur.  
25 no.3:95-98 '65. (MIRA 18:11)

1. Institut geologii i geokhimii goryuchikh iskopayemykh  
AN UkrSSR.



RIZUN, I. (g.Dnepropetrovsk)

Elimination of faults in "Rekord" and "Verkhovina" television  
receivers. Radio no.6:46 Je '62. (MIRA 15:5)  
(Television--Receivers and reception) (Television--Repairing)

RYABCHENKO, A. (poselok Tomilino, Moskovskoy oblasti); DEMENT'YEV, G.  
(Murmansk); RIZUN, I. (Dnepropetrovsk); KRYSHKIN, I. (g. Kasimov,  
Ryazanskoy oblasti)

Exchange of experience. Radio no. 11:49 N '60. (MIRA 14:1)  
(Television)

L 09189-67  
ACC NR: AP7002800 SOURCE CODE: UR/0144/66/000/009/0995/1000

AUTHOR: Vinogradov, A. L.; Rizun, V. I.; Chebotarev, Ya. P. 7  
3

ORG: none

TITLE: Automatic control system for asynchronous motors for a lifting apparatus for the stopping period, using controlled valves

SOURCE: IVUZ. Elektromekhanika, no. 9, 1966, 995-1000

TOPIC TAGS: thyristor, electronic rectifier

ABSTRACT: In order to provide a source of controlled voltage for dynamic braking in asynchronous drive apparatus, the authors have created small controllable rectifiers, operating on the phase control principle, using silicon thyristors. The requirements for accuracy and range of control are satisfied by using a phase controller, in which the heating signal is applied in the form of a pulse with a steep leading edge, which provides accurate control of the anode current. The main element of the phase controller is a shift register made of pulse logical elements. The supply pulses for the logic elements are formed by a pulse generator whose generation frequency is inversely proportional to the difference signal created by the difference between the assigned and actual speeds of the machine. Movement equations for the lift machine are presented. Orig. art. has: 3 figures and 20 formulas. [JPRS: 39,183]

SUB CODE: 13, 09 / SUBM DATE: 03Sep65 / ORIG REF: 006

Card 1/1

UDC: 621.313.333+621.375  
0425-1628

RIZVANBEGOVIC, Osman, d-r

Necrosis of the femoral head as a complication of acute  
hematogenic osteomyelitis. Med. arh., Sarajevo 13 no.6:113-  
120 N-D '59.

1. Hirursak klinika Medicinskog fakulteta u Sarajevu, sef: prof.

d-r B. Kovacevic.

(OSTEOMYELITIS pathol.)

(FEMUR HEAD pathol.)

YUGOSLAVIA

MITROVIĆ, Milan, RADULOVIĆ, Branko, RAKIĆ, Cvotko, RIZVANBEGOVIĆ, Osman:  
Special Orthopedic Hospital "Banjica", Belgrade

"Our Experience in the Treatment of Primary Osseous Tumors"

Belgrade, Srpski Arhiv za Tselokupno Lekarstvo, Vol 94, No 6, 1966,  
pp 573-586

Abstract: In 14 out of 34 cases of benign osseous tumors there appeared difficulties in differential diagnosis with regard to tuberculosis of the joints and bones and such was also the case in more than 1/3 of the 18 patients with malign osseous tumors. Consequently, it is of great importance that the primary tumors be discovered as early as possible and be subjected to an anatomical-pathological examination. All patients with benign tumors were subjected to surgical treatment and 19 of these cases involved osteoplastic reconstructions. A three-year long follow-up study shows that all the cases exhibited satisfactory recovery. In the cases of malign tumors involving 10 amputations and 3 applications of radiotherapeutical means, the results were much less satisfactory: 22.2% died in the hospital, and 16.6% died following release from the hospital. The article contains X-ray photographs of numerous cases, statistically organized data, and extensive description of individual cases. There are 6 Yugoslav and 11 Western references. (Manuscript received, 3 Mar 66.)

1/1

- 45 -

I 40982-65 EWT(1)/EWG(v)/EEC(t) Po-4/Pe-5/Pae-2 GN

ACCESSION NR: AR5009009

S/0269/65/000/002/0022/0022

SOURCE: Ref. zh. Astronomiya. Otd. vyp., Abs. 2.51.190

AUTHOR: Rizvanov, N. G.

TITLE: Computation of the velocity of apparent lunar motion

CITED SOURCE: Izv. Astron. Engel'gardtovsk. observ. Kazansk. un-ta, no. 34, 1963, 60-62

TOPIC TAGS: moon, lunar motion, Markovits camera, lunar diurnal parallel, lunar apparent motion

TRANSLATION: An estimate has been made of the necessary accuracy of preliminary determination of the velocity components of apparent lunar motion for its observations with a Markovits camera. Considering the existing kinematic parameters of the Markovits camera of the Astronomicheskaya Observatoriya imeni V. P. Engel'gardta (Astronomical Observatory), the velocity of the moon (V) must be known with an accuracy to 0".02 per minute and the position angle of its apparent motion relative to the diurnal parallel P with an accuracy to 2'. The author discusses the method for computing the rate of change of the apparent coordinates

Card 1/2

L 40982-65

ACCESSION NR: AR5009009

$\alpha' = \alpha - P_{\alpha} + R_{\alpha}$  and  $\delta' = \delta - P_{\delta} + R_{\delta}$  using tables compiled by the method of numerical differentiation of the values of the parallax components ( $P_{\alpha}$ ,  $P_{\delta}$ ) and refraction components ( $R_{\alpha}$ ,  $R_{\delta}$ ) between a series of nodal values. The values

$$V = \sqrt{\left(\frac{d\alpha'}{dt} \cos \delta\right)^2 + \left(\frac{d\delta'}{dt}\right)^2}$$

and

$$P = \text{arctg} \left[ \frac{(d\delta'/dt)}{(d\alpha'/dt) \cos \delta} \right]$$

are computed for each hour; their intermediate values can be found by graphic interpolation. Bibliography of 6 items. Kh. Potter.

SUB CODE: AA

ENCL: 00

*llc*  
Card 2/2

ACC NR: AR6020757

SOURCE CODE: UR/0269/66/000/003/0019/0019

AUTHOR: Rizvanov, N. G.; Tokhtas'yev, S. S.

TITLE: Filming a solar eclipse on February 15, 1961, near the second and third contacts

SOURCE: Ref. zh. Astronomiya, Abs. 3.51.166

REF SOURCE: Sb. Itog. nauchn. konferentsiya Kazansk. un-ta za 1963 g. Sekts.: paramagnitn. rezonansa, spektroskopii i fiz. polimerov, radiofiz., astron., bion. Kazan', 1964, 105

TOPIC TAGS: solar eclipse, motion picture photography

ABSTRACT: An eclipse was filmed using a camera with  $D = 120$  mm and  $F = 540$  mm which had a high-speed movie camera SKS-1 mounted in place of the plate. The movie film was exposed to flashes of a neon bulb. The difference of 2s.54 between the calculated and experimental times of contacts was attributed to inaccuracies in the coordinates of the observation point. N. B. Translation of abstract

SUB CODE: 03,14

Card 1/1

UDC: 529.7:523.78



ACC NR: AR6020757

SOURCE CODE: UR/0269/66/000/003/0019/0019

AUTHOR: Rizvanov, N. G.; Tokhtas'yev, S. S.

TITLE: Filming a solar eclipse on February 15, 1961, near the second and third contacts

SOURCE: Ref. zh. Astronomiya, Abs. 3.51.166

REF SOURCE: Sb. Itog. nauchn. konferentsiya Kazansk. un-ta za 1963 g. Sekts.: paramagnitn. rezonansa, spektroskopii i fiz. polimerov, radiofiz., astron., bion. Kazan', 1964, 105

TOPIC TAGS: solar eclipse, motion picture photography

ABSTRACT: An eclipse was filmed using a camera with  $D = 120$  mm and  $F = 540$  mm which had a high-speed movie camera SKS-1 mounted in place of the plate. The movie film was exposed to flashes of a neon bulb. The difference of 2s.54 between the calculated and experimental times of contacts was attributed to inaccuracies in the coordinates of the observation point. N. B. Translation of abstract

SUB CODE: 03,14

Card 1/1

UDC: 529.7:523.78

ACC NR: AR6028744

SOURCE CODE: UR/0269/66/000/006/0008/0008

AUTHOR: Rizvanov, N. G.

TITLE: Ephemeris time from photographic observations of the moon in "AOE"

SOURCE: Ref. zh. Astronomiya, Abs. 6.51.64

REF SOURCE: Uch. zap. Kazansk. un-t, v. 125, no. 7, 1965, 63-88

TOPIC TAGS: moon, lunar photography, photographic equipment, time

ABSTRACT: A Markovits type camera for photographing the moon with a visual refractor (D = 148 mm, F = 2580 mm) is described. The results of studies of the refractor lens are presented. A method is proposed for measuring and reducing lunar photographs in order to make corrections both of ephemeridal equatorial coordinates  $\Delta\alpha$ ,  $\Delta\delta$  and ephemeridal time  $\Delta T$ . The results of processing 225 plates, which were made in the period 1958-1961, are given in three variants, i.e., photoelectric and visual measurements of the limb and measurements of the Moesting crater. The accuracy of the results is analyzed, and the effect of systematic errors in the catalogs of reference stars on corrections of the ephemeridal time are discussed. The following corrections of  $\Delta T$  were made:

Epoch	1958,25	1959,61	1960,43	1961,37
$\Delta T$	21 <sup>o</sup> ,66	22 <sup>o</sup> ,26	23 <sup>o</sup> ,77	23 <sup>o</sup> ,65

Card 1/2

UDC: 529.77:523.3

ACC NR: AR6028744

[Translation of abstract] Bibliography of 40 titles. Kh. Potter

SUB CODE: 03, 14

Card 2/2

L 4001-66 FSS-2/EWT(1)/EWA(a)/T/RED(b)-3 TIP(c) GS/GW

ACC NR: AT5027127

SOURCE CODE: UR/0000/65/000/000/0056/0057

AUTHOR: Rizvanov, N. G. <sup>12, 55</sup>

ORG: none

TITLE: Use of a long-focus horizontal telescope with coelostat for positional observations of the moon by the photographic method <sup>12, 55</sup> <sub>20, 44, 53</sub>

SOURCE: AN SSSR. Astronomicheskii sovet. Komissiya priborostroyeniya. Soveshchaniye. Kazan, 1964. Novaya tekhnika v astronomii (New techniques in astronomy); materialy soveshchaniya, no. 2, Moscow, Izd-vo Nauka, 1965, 56-57

TOPIC TAGS: astronomy, astronomic geodesics, lunar environment, astronomic telescope, lunar photography, astrometry, selenography <sup>12, 55</sup>

ABSTRACT: In order to study the rotation and the figure of the moon, a horizontal telescope was constructed in 1949 at the Astronomical Observatory imeni V. P. Engel'garda (Kazan University). The telescope has an immovable objective (D = 200 mm, F = 8000 mm), a coelostat, a clock mechanism worked by weights, and an additional mirror. When making positional observations of the moon with the horizontal telescope, many difficulties arise in obtaining clear pictures of the surrounding 9-10<sup>m</sup> stars. Due to diffraction and atmospheric turbulence, the diameter of the photographic images of stars reaches 0.5-1.0 mm, when the lens opening is 1:40. Additional absorption of light occurs on the two mirrors. Therefore, in order to obtain

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I 4001-66

ACC NR: AT5027127

contrast in pictures of the stars, the time of photographing the star field has to be increased to 3—10 min. It must be noted that the results obtained by this method may contain large random errors due to the atmospheric turbulence and the periodic errors of the clock mechanism. However, the measurement and the analysis of several pictures of the moon with the stars, obtained with the horizontal telescope in 1963, have shown that, with good pictures of stars, the accuracy of plate reduction was entirely satisfactory. [JJ]

SUB CODE: AA, ES/ SUBM DATE: 25Jun65/ ORIG REF: 003/ OTH REF: 000/  
ATD PRESS: 4123

*mlr*  
Cord 2/2

L 45220-66 EWT(1)/T/FSS-2 IJP(c) JGS/GW

ACC NR: AR6015214

SOURCE CODE: UR/0269/65/000/012/0014/0014

AUTHOR: Rizvanov, N. G.

TITLE: Position observations of the Moon by the photographic method

35  
B

SOURCE: Ref. zh. Astronomiya, Abs. 12.51.115

REF SOURCE: Sb. Itog. nauchn. konferentsiya Kazansk. un-ta za 1963 g. Sekts: paramagnitn. rezonansa, spektroskopii i fiz. polimerov, radiofiz., astron., bion. Kazan', 1964, 100-103

TOPIC TAGS: moon, lunar photography/Markowitz camera

ABSTRACT: Some results of the processing of photographs of the Moon obtained in 1958—1961 with a Markovitz camera at the Engelhardt Astronomical Observatory (AOE) are reported. A table shows the values of mean square sigma<sub>alpha</sub> errors, and sigmadelta corrections of the right ascension and the declination of the Moon, obtained with plates of various exposures. The problem of the influence of the photometric effect and the errors of the reference catalogue on the coordinates obtained

Card 1/2

UDC: 522.61.523.3

Card 2/2

hs

L 45220-66

ACC NR: AR6015214

②  
[GC]

is analyzed. [Translation of abstract]

SUB CODE: 03, 14, 20/      SUBM DATE: none

Card 2/2      hs

GORSHTEYN, G.A., inzh.; RIZVANOV, K.N., arkhitektor.

Standard sections in multistoried industrial buildings. Stroi. prom.  
36 no.1:14-19 Ja '58. (MIRA 11:1)

(Precast concrete construction)  
(Architecture--Designs and plans)



Country : BULGARIA  
Category : Farm Animals. Q  
Cattle.  
Abs. Jour : Ref Zhur-Biol., No 21, 1958, 96846  
Author : Vladimirov, Iv.; Rizvanov, Kr.; Dimitrov, V.  
Institut. : -  
Title : The Influence of Acidophilic Powder Added to  
the Feed of Calves during Lactation Period.  
Orig Pub. : Zootekhn. fak., 1956, 6, 515-526  
Abstract : Thirty-two calves 1-2 months old participated  
in 3 experiments. Each experiment lasted 45-60  
days. An experimental calf received a table  
spoon of acidophilic powder before it was given  
its milk ration; during a period of 24 hours,  
the calf received 3 spoons of powder containing  
250-300 millions of cells of Lactobact. acido-  
philum. The weight gain of experimental cal-  
ves was by 48-110 g (5.5-15.7 percent) higher,  
their blood contained 10.4-14.9 percent more  
Card: 1/2

EREMENOV, Miril; RIZVANOV, Krum

Effect of the rations containing different protein sources  
on some physiological and microbiological indexes in sheep.  
Selskoston nauka 2 no.7:855-865 '63.

RIZVANOV, Krym

Study of the relationship between *Lactobacterium bulgaricum*  
and *Saccharomyces lactis*. Mikrobiologiya 29 no. 4:536-543  
Jl-Ag '60. (MIRA 13:10)

1. Kafedra mikrobiologii i tekhnologii pri Vysshem sel'sko-  
khozyaystvennom institute "Georgi Dimitrov" Sofiya, Bolgariya.  
(YEAST) (LACTIC ACID BACTERIA)

RIZVANOV, N.G.

Observations of Giacobini-Zinner's comet (1959b) at the Engel'gardt  
Astronomical Observatory. Astron.tsir. no.208:7 Ja '60.

(MIRA 13:11)

1. Astronomicheskaya observatoriya im.Engel'gardta.  
(Comets--1959)

L 33175-66 EWT(1) GN  
ACC NR: AR6015213

SOURCE CODE: UR/0269/65/000/012/0014/0014

AUTHOR: Rizvanov, N. G.

TITLE: Photographic observations of Mars<sup>12</sup> at the Astronomical Observatory im. Engel'gardt

25  
B

SOURCE: Ref. zh. Astronomiya, Abs. 12.51.114

REF SOURCE: Sb. Itog. nauchn. konferentsiya Kazansk. un-ta za 1963g. Sekts.: para-  
magnitn. rezonansa. spektroskopii i fiz. polimerov, radiofiz., astron., Bion. Kazan',  
1964, 104

TOPIC TAGS: astronomic observatory, astronomic data, Mars planet, photographic  
observation

ABSTRACT: In the spring of 1963, observations of Mars were made with the Zeiss  
astrograph at the Astronomical Observatory im. Engel'gardt (AOE). The results of  
processing measurements on five plates:  $\alpha$ ,  $\delta$ ,  $\Delta\alpha(O-C)$ ,  $\Delta\delta(O-C)$ , and mean square  
errors  $\Delta\alpha$  and  $\Delta\delta$  were presented. [Translation of abstract.] [NT]

SUB CODE: 03/ SUBM DATE: none

Card 1/1mL

UDC: 522.61:523.43

RIZVANOV, N.G.

Photographic observations of the moon at the Engel'gardt Astronomical  
Observatory. Astron.tsir. no.213:2-3 JI '60. (MIRA 14:1)

1. Astronomicheskaya observatoriya im. V.P.Engel'gardta, Kazan'.  
(Moon—Observations)

ACC NR: AR6035369

SOURCE CODE: UR/0271/66/000/009/B007/B007

AUTHOR: Dyad'kin, I. G.; Rizvanova, M. A.; Pogorelova, M. A.

TITLE: Random-number algorithms for the "Razdan-2" computer

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 9B44

REF. SOURCE: Uch. zap. Bashkirsk. un-t, vyp. 20, 1965, 132-139

TOPIC TAGS: ~~random-number-generator~~, algorithm, ~~computer-component~~, <sup>digital</sup>computer, computer programming/nazdan-2 computer

ABSTRACT: Four algorithms and programs for obtaining pseudorandom numbers for the "Razdan-2" digital computer are described. Results of a check on the algorithms for periodicity and randomness are given. 4 tables. Bibliography, 4 titles. G. V.

SUB CODE: 09

Card 1/1

UDC: 518.5:681.142.32.001

RIZVASH, S. I.

USSR/Medicine - Literature  
Bones, Marrow

Aug 49

"Collected Scientific Works of Evacuation Hospital Doctors, Ministry of Public Health, Dagestan ASSR, Vol III," Daggiz, 1948,  $\frac{1}{4}$ p

"Khirurgiya" No 8

Volume contains 60-odd works about professors and teachers in Dagestan Med Inst and the work of evacuation hospitals in treating wounded and sick soldiers. Among the articles are: L. V. Sokilov's "The Ne Rhesus Factor and Its Clinical Significance," S. I. Rizvash's "Experimental Studies of the Bone-Forming Capacity of Marrow," and articles on osteomyelitis, neoplasms and plastics.

1/50T64



K 32311 7-67

RIZVASH, S.I., prof. (Makhachkala)

New symptom in acute appendicitis. Klin.med. 35 no.11:145-146 N '57.  
(APPENDICITIS, diag. (MIRA 11:2)  
detection of ileo-cecal pain in deep breathing)

RIZVASH, S.I.

Formation of weight-bearing amputation stump. Vest. khir. Grekona,  
Leningr. 72 no. 3:30-32 May-June 1952. (CIML 22:4)

1. Of the Department of Hospital Surgery (Head -- Prof. S. I. Rizvash),  
Dagestan Medical Institute, Makhach Kala.

ASKERKHANOV, R.P., kandidat meditsinskikh nauk; POBEDINSKIY, M.N., professor, direktor; RIZVASH, S.I., professor, direktor.

Etiology and pathogenesis of varicose veins of the lower extremities.  
Khirurgiya no.4:76-80 ap '53. (MLBA 6:6)

1. Tsentral'nyy rentgenologicheskiy, radiologicheskiy i rakovyy institut (for Askerkhanov and Pobedinskiy). 2. Gospital'naya khirurgicheskaya klinika Dagestanvokogo meditsinskogo instituta, (for Askerkhanov and Rizvash). (Varix)

RJABOCINSKIJ, A. ; IVANCENKO, D.

Use of V-K (Vasatko-Krizan) saturated chalk during storage and vege-  
tation of sugar beets. p. 607. CHEMICKE ZVESTI. Bratislava. Vol. 9,  
no. 10, Dec. 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956.

Rjabovskiy, A.

The use of chalk "V-K" (Vasátko-Křizan) during storage and vegetation of sugar beet. D. Ivančenko and A. Rjabovskij (Sloven. akad. vied. Bratislava, Czech.). Chem. Zvesti, 007-24(1955); cf. C.A. 48, 14822c. Yield of sugar was increased if chalk "V-K" (lime cake) was applied during storage and vegetation of sugar beet especially if treated with Cl. Jan Micka

RJABOV, G., zaslouzil lekar RSRSR

V. E. Snegirev. *Cesk. gyn.* 19 no.5:358-360 Oct 54.

(BIOGRAPHIES  
Snegirev, Vlamimir, F.)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1ST AND 2ND ORDERS

PROCESS AND PROPERTIES INDEX

3RD AND 4TH ORDERS

*BC*

*B-1-2*

**Thermal properties of absorbent oils and coal tar and its fractions. L. I. RYANOV (Koks i Chim., 1936, No. 9, 47-53).—Sp. heat, latent heat of fusion and vaporization, mol. wt. and v. p. data are recorded. R. T.**

COMMON ILLUSTRATIONS

COMPONENTS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

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ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

EXTRACTS

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

1ST AND 2ND 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

AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ

BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ

CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ

DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ

EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ

FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ

GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ

HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ

IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ

JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ

KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ

LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ

MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ

NA NB NC ND NE NF NG NH NI NJ NK NL NM NN NO NP NQ NR NS NT NU NV NW NX NY NZ

OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ

PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ

QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QQ QR QS QT QU QV QW QX QY QZ

RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ

SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ

TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ

UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UU UV UW UX UY UZ

VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VU VV VW VX VY VZ

WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WU WV WW WX WY WZ

XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ

YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YY YZ

ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ

L-3

BC

Conversion of furfuraldehyde into hydrocarbons. N. A. Orlov and O. A. Ryabovskaya (J. Appl. Chem. Russ., 1956, 9, 249-253).—Furfuraldehyde reacts with H<sub>2</sub> in presence of MoS<sub>2</sub> (270°/150 atm.; 2-4 hr.) to yield sylvan, tetrahydroxyvan, EtOH, and CHMePr-OH; at 330-350° (1.5-2 hr.) the product consists chiefly of n-pentane, together with unsaturated condensation products. R. T.

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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PROCESSES AND PROPERTIES INDEX

1ST AND 2ND ORDERS

19D AND 4TH ORDERS

BC

P-I-D

Preparation of hydrogen by the continuous iron-steam process in a rotating oven, using Moscow-basin coal and burnt pyrites. I. I. RIASHNY (J. Chem. Ind. Russ., 1936, 13, 76-85).—A mixture of burnt pyrites and coal is fed continuously into a rotating oven (R), in which reduction of  $Fe_2O_3$  to Fe takes place, and the product, at  $800^\circ$ , is exposed to steam in a second oven, in which  $Fe_2O_3$  and  $H_2$  are formed. The resultant mixture of  $Fe_2O_3$  and ash is returned to R, and the process is continued until the ash content of the mixture becomes high enough to lead to sintering. The materials used to produce 1 cu. m. of  $H_2$  are: coal 4.26,  $H_2O$  3.23, and burnt pyrites 0.167 kg. The gas obtained consists of  $H_2$  95,  $CO$  1, and  $CO_2$  4%.

R. T.

METALLURGICAL LITERATURE CLASSIFICATION

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

BC

B-1-2

GASIFICATION OF PEAT AND MOSCOW-BASIN COAL IN REVOLVING OVENS. A. I. Semenov and I. I. Rjabtsev (J. Chem. Ind. Russ., 1936, 13, 294--299).--Peat or lignite is passed continuously together with air into a revolving oven at 850°; the resultant gas contains CO 4--12, CO<sub>2</sub> 8--15, H<sub>2</sub> 17--32, CH<sub>4</sub> 0.4--1, and N<sub>2</sub> 45--60%. The N<sub>2</sub> content may be reduced by adding<sup>2</sup> O<sub>2</sub> to the air. R. T.

ANALYTICAL METALLURGICAL LITERATURE CLASSIFICATION

1930-1939      1940-1949      1950-1959      1960-1969      1970-1979      1980-1989      1990-1999

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1 A 2 B 3 C 4 D 5 E 6 F 7 G 8 H 9 I 10 J 11 K 12 L 13 M 14 N 15 O 16 P 17 Q 18 R 19 S 20 T 21 U 22 V 23 W 24 X 25 Y 26 Z

17c

PROCESSES AND PROPERTIES INDEX

B-I-2

Catalytic action of coke from Moscow-basin coals in the cracking of methane-containing gases in presence of steam. I. I. EYANOV and M. V. KONOVA (J. Chem. Ind. Russ., 1956, 13, 593-595).— The catalytic activity of coals in the reaction  $CH_4 + H_2O \rightarrow CO + 3H_2$  is greatest at 1000°, and falls with time as a result of rising content of inorg. constituents in the coals. Varying the rate of flow of the gas, or its H<sub>2</sub>O content above theoretical, does not significantly affect the results. R. T.

COMMON ELEMENTS

MATERIALS INDEX

AS N. S. I. A. METALLURGICAL LITERATURE CLASSIFICATION

INDEX AND 2ND LETTER

INDEX AND 3RD LETTER

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INDEX AND 5TH LETTER

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BC B-II-1

PROCESSES AND PROPERTIES INDEX

**Influence of conditions of absorption on the yield of solvent. V. RIABUCHIK (J. Chem. Ind. Russ., 1936, 13, 983-985).—The efficiency of absorption of EtOH or Et<sub>2</sub>O from air by cresol is  $\propto$  its o-cresol content, and is inversely  $\propto$  its temp. and content of tarry products, the rate of flow of the gas, and the solvent content of the gas.**

R. T.

METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS  
COMMON VARIABLES INDEX

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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YUGOSLAVIA

PITELJ, Anton; RJABINSKIJ, Vladimir and RODOMAN, Vladimir; Urology Clinic of the Second Moscow Medical Institute "Nikolaj I. Pirogov" [original affiliation not shown], Director Prof Anton PITELJ, Moscow, U.S.S.R.

"The Use of Triphenyltetrazoliumchloride Test in the Determination of Bacteriuria."

Belgrade, Srpski Arhiv za Tselokupno Lekarstvo, Vol 93, No 4, Apr 1965; pp 345-351.

Abstract [English summary modified]: Use of the triphenyltetrazolium-chloride test for the detection of urinary tract infection in 407 tests on 197 patients, compared with urine culture results revealed that 9 hours' incubation prior to read-out then another supplemental read-out 6 hours later is more valid if the threshold of urinary tract infection is considered to be 100,000 microbes per ml. Data also on use of the test in 149 obstetric and gynecologic, and 89 strictly gynecologic patients. Chemical structure of reagent, 7 Soviet and 19 Western references; manuscript received 6 May 65 [Sic].

1/1

RZHADA, Zh. [Rjada, J.]

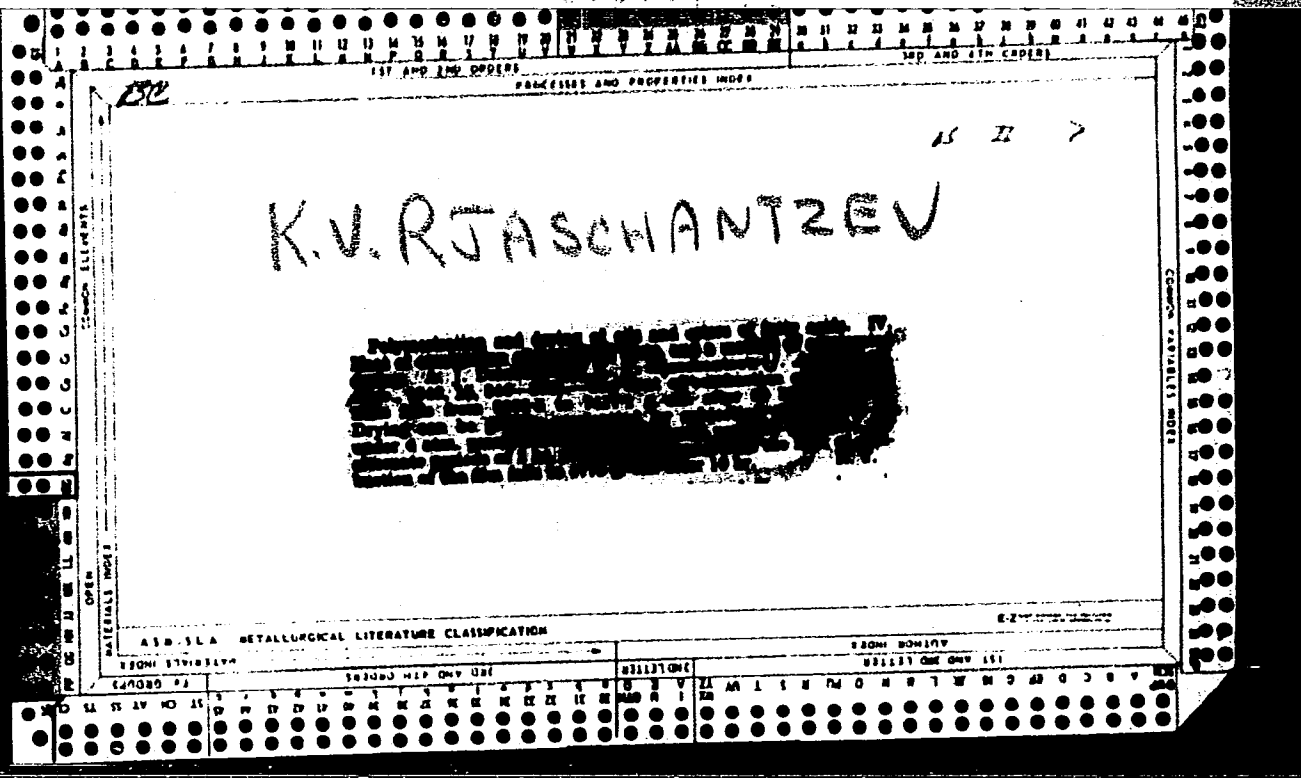
The role of trade unions grows under socialism. Vsem.prof.  
dvizh. no.4:33-35 Ap '59. (MIRA 12:6)  
(Trade unions)

L 1.

## *Natural Latex*

2179. Relation between the size of the caoutchouc globules of kok saghiz latex and their stability. A. A. PROKOPINA and F. P. RYKOVA. *Dokl. Akad. Nauk SSSR*, 1950, 75, 801-804, 10 refs. (BY2, 22, 101) Tests were made of the effect of acetic acid, salts, and coagulants, and freezing, on kok saghiz latex. In all cases of partial coagulation, whatever the reagent, the largest globules (forming the best quality latex) begin first. Thus each partial coagulation of latex not only reduces the caoutchouc content but also lowers the quality of the remaining latex.

2228





RJAZANCOV, H.

Striving for good quality by increasing personal responsibility.  
Pod org 17 no.8:380-381 Ag '63.

RAKOPENKO, V.

On the road toward communism. Sov.shakht. 11 no.1:14-15 Ja '62.  
(MIRA 14:12)

1. Predsedatel' komiteta profsoyuza shakhtoupravleniya No.19 tresta  
Rutchenkovugol'.

(Donets Basin--Coal miners)

YEGOROV, K.D., kand.ekon.nauk; TROSHINA, A.P.; KOVALEV, P.P.; NOVIKOVA, A.A.; LAGUTINA, M.V.; VOLNINA, N.A.; SHESTAKOVA, R.V.; AKIMCHENKO, O.Ye.; KULEBAKIN, V.S., akademik, red.; VEYTS, V.I., red.; BUTENKO, A.F., kand.filosof.nauk, red.; RYBINSKIY, M.I., red.; CHASHNIKOVA, M.V., red.; NIZHNYAYA, S., red.; VOSKRESENSKAYA, T., red.; CHEKHUTOVA, V., red.; RKLITSKAYA, A.D., red.; CHEPELEVA, O., tekhn.red.

[Works of the State Commission for the Electrification of Russia; documents and materials] Trudy Gosudarstvennoi komissii po elektrifikatsii Rossii GOELRO; dokumenty i materialy. Red.komissia: V.S.Kulebskin and others. Moskva, Izd-vo sotsial'no-ekon.lit-ry. (MIRA 14:2) 1960. 306 p.

1. Russia (1917- R.S.F.S.R.) Gosudarstvennaya komissiya po elektrifikatsii Rossii. 2. Chlen-korrespondent AN SSSR (for Veyts). (Electrification)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1ST AND 2ND ORDERS      PROCESSES AND PROPERTIES INDEX      3RD AND 4TH ORDERS

SA

B662

P. REASIN

Aug 2. Pulling of Oscillators - P. Reasin, *IEEE Trans. Electron Devices*, Vol. ED-10, No. 2, pp. 119-121, 1963. *Abstract* - The author studies the mathematical nature of the pull-in of a nonlinear oscillator by an applied frequency. The results are compared with the theoretical results of a linear oscillator. The pull-in point is found to be a function of the quality factor of the oscillator.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS

COMMON VARIABLES INDEX

OPEN

MATERIALS INDEX

1ST AND 2ND ORDERS      3RD AND 4TH ORDERS      5TH AND 6TH ORDERS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

SA

B 66  
f

2033. On the Electromagnetic Field from a Vertical Half-Wave Aerial above a Plane Earth. P. Rjabin. *Techn. Phys., U.S.S.R.* 8, 1, pp. 29-40, 1938. In English.—The paper is divided into two parts. In the first part the calculation of the electromagnetic field from a radiating half-wave aerial in a homogenous non-conducting medium is carried out based on the representation of the field from the Hertzian vector of an elementary dipole by a zero order Bessel function. This calculation leads exactly to the same expressions which had been obtained previously by the author when solving the same problem in a different way. In the second part, starting from the results of part 1, the vertical component from the electrical vector of a half-wave aerial above a finitely conducting plane earth is calculated. It is also shown that the field from the vertical component of the electrical vector of the aerial is identical with the field from the Hertzian vector of two elementary dipoles located at the top and the base of the aerial, the electrical constants of the surrounding medium remaining the same in both cases.

AUTHOR.

ASB-52.4 METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

2

M

How to Combat Failures of Lead Bronze. V. S. Bjeznikov (*Aeropromshennost (Aeroplane Ind.)*, 1937, (1), 15-18).-- [In Russian.] A short review.  
N. A.

ASIA-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS	3RD AND 4TH ORDERS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

RKLITSKAYA, A.

You came into a library. Nauka i zhizn' 30 no.3:64-66 Mr '63.  
(MIRA 16:5)

1. Glavnyy bibliograf Gosudarstvennoy biblioteki SSSR imeni V.I.  
Lenina.

(Library catalogs) (Bibliography)

MASLOV, Leonid Aleksandrovich; BIKKE, R.; RKLITSKIY, M.

[Fish dishes] Rybnye bliuda. Moskva, Gos.izd-vo trgovoi  
lit-ry, 1958. 143 p. (MIRA 16:11)  
(Cookery (Fish))



*RKLITSKIY, M.*

ZHOLKOV, S. · REL'TSOVA, T., master-povar; KARPENKO, V.; OTRADNOV, V.;  
~~RKLITSKIY, M.~~ (Yuzhno-Sakhalinsk); USPENSKIY, F.; BARSUKOVA, M.;  
LARIONOVA, T.

Our plans for 1958. Obshchestv. pit. no.1:7, 11, 21, 31, 35, 39, 51.  
Ja '58. (MIRA 11:3)

1.Zaveduyushchiy proizvodstvom stolovoy No.32 1-go Chelyabinskogo  
tresta stolovykh (for Zholkov). 2. Direktor Moskovskoy shkoly  
kulinarnogo uchenichestva (Karpenko). 3.Glavnyy inzhener Soyuz  
giprotorga (for Otradnov). 4.Zaveduyushchiy proizvodstvom stolovoy  
No.2 "Dal'nevostochnik" (for Rklitskiy). 5. Direktor Moskovskogo  
tekhnikuma obshchestvennogo pitaniya (for Uspenskiy). 6.Zaveduyushchaya  
uchebnoy chast'yu Moskovskogo tekhnikuma obshchestvennogo pitaniya  
(for Barsukova). 7.Direktor stolovoy zavoda "Stankolit" (for Larionova)  
(Restaurants, lunchrooms, etc.)  
(Cooking schools)

RKYLOV, Ye.F. ingn., SPONDE, Ya.A., kand. tekhn. nauk

Effect of clearance between the moving blades and the housing of  
a radial-flow turbine on its operating indices. Izv. vys. ucheb.  
zav.; energ. 8 no.7.66-73 J1 '65. (MIRA 18:9)

1. Moskovskiy avtomekhanicheskiy institut.

FRENKEL, Stanislaw; RLEDOWSKA, Jadwiga; ROSE, Andrzej

Remote results of conservative therapy of pleural empyema.  
Gruzlica 22 no.8:547-552 Aug 54.

1. Z Panstwowego Zespolu Szanatoriow Przeciwegruzliczych w Zakopanem.  
Dyrektor: dr S.Frenkel.  
(TUBERCULOSIS, PULMONARY, complications,  
pleural empyema, ther., results)

ALIMENKO, A. V.

24293

ALIMENKO, A. V. Ob arterio-venoznykh anastomozakh nologicheskogo troma krovoobrazovaniya. Soobshch. 3. Arteriovenoznyye anastomozy legochnoy i prichetnochnoy plavir i global'nykh spayek; materialy k gistogenazu saykayuchekikh arteriy. Arkhiv patologii, 1988, VIF. 4, S. 62-69.

SC: Letopis, No. 32, 1989.