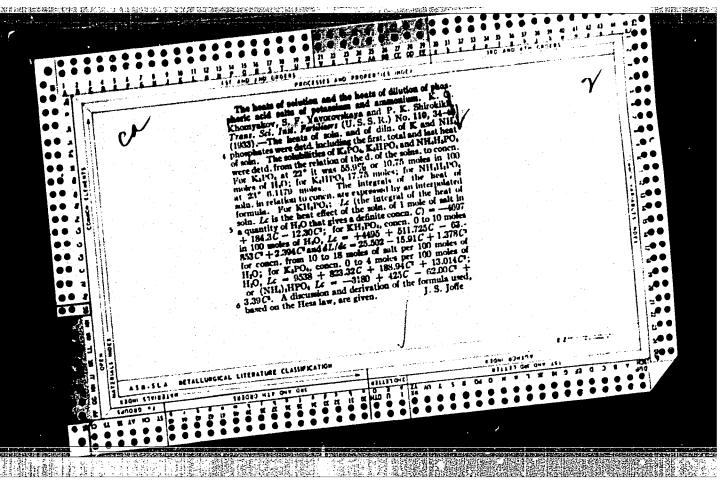
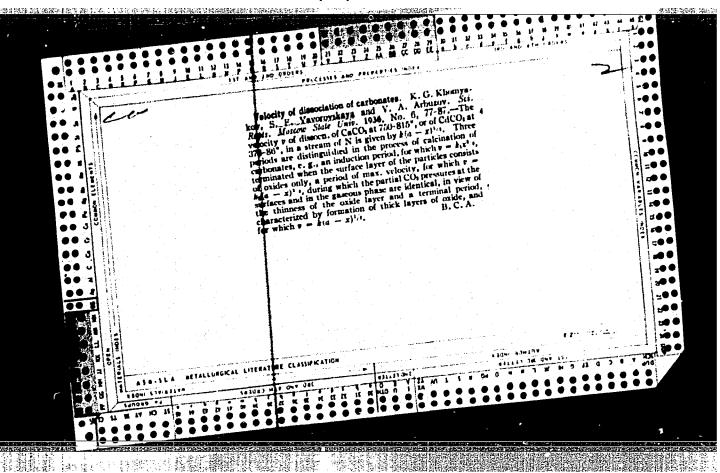


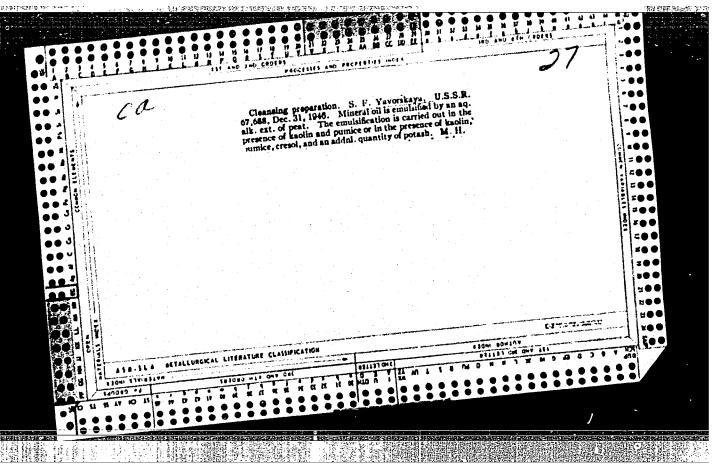
NESHUMOV, B.V., kand.iskusstvoved.nauk; KOSHELEV, A.Ye., arkhitektor; ASTROVA, T.Ye., arkhitektor; SHIKHEYEV, V.N., arkhitektor; VOSHCHANOVA, G.K., arkhitektor; GCRBUNOVA, V.A., arkhitektor; KOVAL'KOV, V.G., arkhitektor; MARKEYEV, Yu.S., arkhitektor; YAYOROVSKAYA, M.E., arkhitektor; OCRYZKO, P.V., arkhitektor; TIKHONOVA, N.V., arkhitektor; MANANNIKOVA, L.V., arkhitektor; GRADOV, G.A., red.; PAVLENKO, M.V., red.

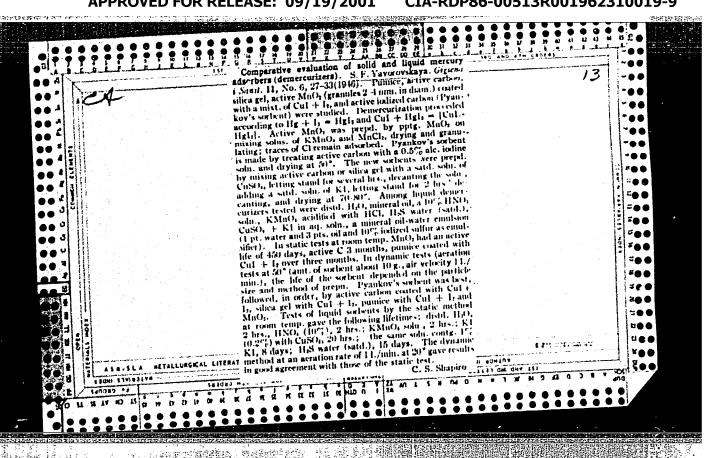
[Furniture and equipment for public buildings; catalog based on materials from the Exhibition of Furniture and Equipment for Public Buildings, 1959-1960] Mebel' i oborudovanie dlia obshchestvennykh zdanii; katalog sostavlen po materialam vystavki mebeli i oborudovaniia dlia obshchestvennykh zdanii, 1959-1960 gg. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 186 plates. (MIRA 14:2)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut obshchestvennykh zdaniy i sooruzheniy. 2. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Gradov). (Furniture--Catalogs) (Public buildings--Equipment and supplies)









YAVOROVSKAYA, S. F.

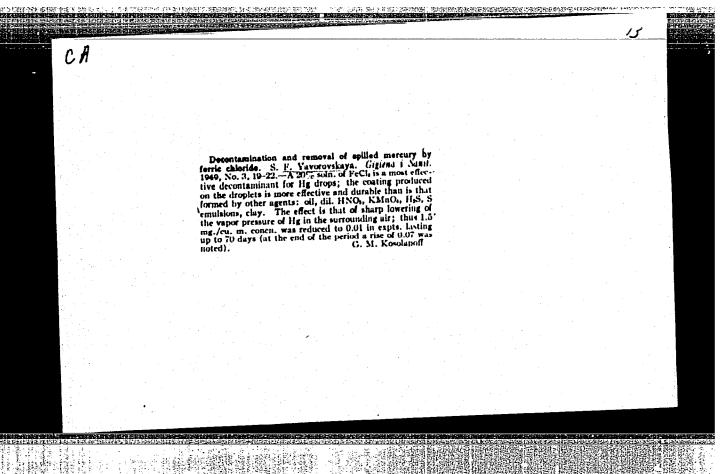
Cand Chem Sci

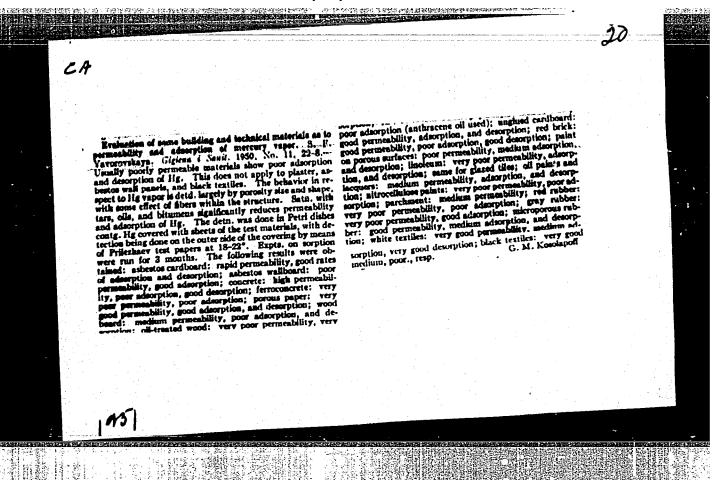
Dissertation: "Removal and Detoxification of Mercury and Its Vapors."

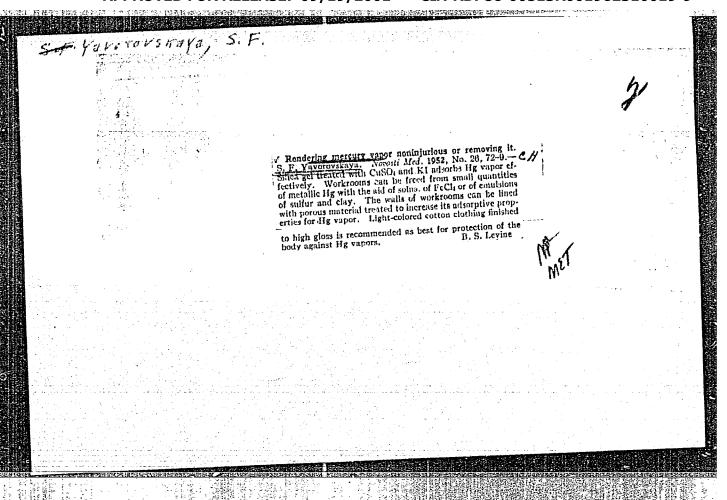
25 May 49

Moscow Order of Lenin State V imeni M. V. Lomonosov

SO Vecheryaya Moskva Sum 71







### YAVOROVSKAYA, S.F.

WAR THE WAR THE PROPERTY

Comparative evaluation of permeability and adsorptive ability of mercury vapors in various construction and technical materials. Gig. sanit., Moskva no.12:35-39 Dec 1952. (CLML 23:4)

1. Of the Central Scientific-Research Laboratory of Hygiene and Epidemiology of the Ministry of Ways of Communication USSR.

YAVOROVSKAYA, S.F.

Rapid method of determination of mercury vapors in air. Gid. sanit., Moskva no.4:48-49 Apr 1953. (CIML 24:4)

1. Of the Central Scientific-Research Laboratory of Hygiene and Epidemiology of the Ministry of Communication Routes USSR.

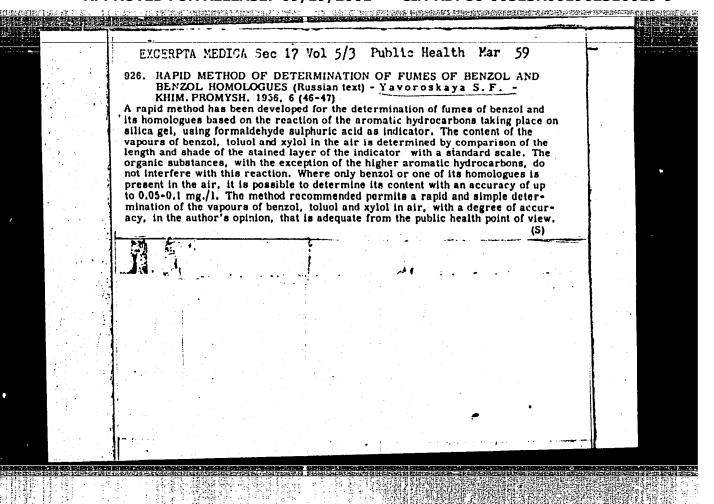
## YAVORSKAYA, S.F.

Rapid indicator determination of the content of mercury in structural materials. Gigiena i Sanit. '53, No.4, 49-50. (MLRA 6:4) (CA 47 no.21:11072 '53)

YAVOROVSKAYA, S.F., kandidat khimicheskikh nauk; POLUBINSKIY, A.L.

Pseudoliquefaction applied in gas purification. Khim.prom. no.2:91-94 Mr 155. (MIRA 8:8)

 TSentral'naya nauchno-issledovatel'skaya laboratoriya gigiyeny i epidemiologii Ministerstva putey soobshcheniya. (Scrubber (Chemical technology))



YAVORESKAYA, S.F.

USSR/Analysis of Organic Substances.

G-3

Abs Jour

: Referat Zhur - Khimiya, No 6, 1957, 19685

Author

S.F. Yavorovskaya.

Title

: Express Indicator Method of Determination of Vapors of

Benzene and Its Homologs.

Orig Pub

Khim. prom-st', 1956, No 6, 366-367

Abstract

In order to prepare the indicator, silica gel (ASK, MSK, ShSK or KSK), grain size 0.25 to 0.5 mm, is treated with boiling diluted HCl (1:1), washed, roasted at 8000, treated with concentrated H<sub>2</sub>SO<sub>1</sub> (5 to 6 ml per 3 g), heated intil SO<sub>3</sub> is eliminated, and 4 to 5 l of air are sucked through it, the air having been passed preliminarily through a 30% solution of CH<sub>2</sub>O. The indicator containing about 30% of H<sub>2</sub>SO<sub>1</sub> and 3% of CH<sub>2</sub>O is put into tubes (dia. 1.5 mm, length 80 mm, layer height 60mm) and closed on both sides with cotton plugs and powdered porcelain or glass. The contents of C<sub>6</sub>H<sub>6</sub>, toluene and

Card 1/2

Cent. Sci Res. IAB. HYGIENE + Epidemiology, MIN. of Ways of Communication.

SOV/64-59-4-21/27 Yavorovskaya, S. F., Candidate of Technical Sciences 5(3) AUTHOR: A Rapid Method for the Determination of Chloro-organic Compounds in the Air (Bystryy metod opredeleniya khlororganicheskikh TITLE: soyedineniy v vozdukhe) Khimicheskaya promyshlennost:, 1959, Nr 4, pp 77-79 (USSR) PERIODICAL: With the development of the chemistry of synthetic fibre the air as to the presence of poisonous ABSTRACT: investigation of chloroorganic compounds, as for instance tetrachloro alkene (I), becomes important. The different investigation methods of this kind may be subdivided into four groups. The rapid determination method which is based on the coloring of the test paper or the flame is not so precise as the analytical method but it is of interest because of the short time it requires. Since the (I) molecules have four chlorine atoms and thus intensive coloring of the flame is obtained, in the present case a corresponding rapid method was worked out, which is based on the Beilsteinreaction. The operation curves were plotted after several analyses which were made after the microcombustion and flame coloring. The organic substances in the air sample were absorbed Card 1/2

A Rapid Method for the Determination of Chloro-organic Compounds in the Air

SOV/64-59-4-21/27

either on a resting coal layer (activated charcoal) in a special glass tube (Fig 2) or on a pending coal layer in a special absorption vessel (Fig 3). Complete absorption occurs with air current velocities of 10-15 1/minute. The activated coal with the absorbed substance is put above the flames on a copper grid above the flame in an attachment (Fig 4) and the duration of the flame coloring is measured with a stop watch. According to the aforementioned operation curves the content of (I) may be calculated. The determination results obtained from air and alcohol solutions (Tables 1, 2) show that the minimum chlorine content which must be in the sample amounts to 0.5 mg chlorine. The method was checked under working operations and yields results which are well in line with those obtained after microcombustion. There are 6 figures, 2 tables, and 8 references, 3 of which are Soviet.

ASSOCIATION:

Institut gigiyeny truda i profzabolevaniy Akademii nauk SSSR (Institute of Working Hygiene and Occupational Diseases of the Academy of Sciences, USSR)

Card 2/2

### YAVOROVSKAYA, S.F.

Determination of small amounts of chlorine organic compounds in the air by gas chromatography. Khim.prom. no.8:573-577 Åg '61.
(MIRA 14:8)

1. Institut gigiyeny truda i profzabolevaniy Akademii meditsinskikh nauk SSSR.

(Chlorine organic compounds) (Gas chromatography)

# YAVOROVSKAYA, S.F.

Separate determination of the components of certain gaseous nixtures in the air of industrial enterprises by the method of gas-liquid distribution chromatography. Trudy Kom. anal.khim. 13:269-276 163. (MIRA 16:5)

 Institut gigiyeny truda i profzabolevaniy AMN SSSR. (Gas chromatography) (Air—Analysis)

### YAVOROVSKAYA, S.F., kand.khim.nauk

Absorption of gaseous and vaporous harmful ingredients from the air by a boiling layer of solid sorbents. Gig. i san. 28 no.1:36-38 Ja<sup>1</sup>63. (MIRA 16:7)

1. Iz Instituta gigiyeny truda i professional'nykh zabolevaniy AMN SSSR.

(AIR ---PURIFICATION)

DREYZIN, R.S.; ZUBOVA, Z.F.; YAVOROVSKAYA, V. Ye.; BOCHAROV, Ye.F.; FOKINA, G.I.; BALANDINA, A.M.; ROZINA, E.E.; VOROB'YEVA, N.N.; ZALESSKIY, G.D.; ZHDANOV, V.M.

Serological properties and pathogenicity of the R-virus in suckling mice. Vop. virus 9 no.4:462-468 Jl-Ag \*64

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskovskiy nauchno-issledovatel skiy institut virusnykh preparatov i Novosibirskiy meditsinskiy institut.

YAVOROVSKAYA, V. F.: Master Chem Sci (diss) -- "On the effect of sulfuryl chloride on certain terpenes". L'vov, 1958. 20 pp (Min Higher Educ, Dnepropetrovsk State U im 300th Anniversary of the Unification of the Ukraine with Russia, Chem Faculty), 200 copies (KL, No 8, 1959; 135)

# MALINOVSKIY, M.S.; YAVOROVSKAYA, V.F. Partiest of sulfuryl chloride on &-pinene. Ukr.khis.zhur. 25 no.1: 107-110 '59. 1. Dnepropetrovskiy gosudarstvennyy universitet. (Sulfuryl chloride) (Pinene)

YAVOROVSKAYA, V. Ye., Cand Med Sci -- (diss) "Aggressive properties of hemolytic streptococcus and immunobiological indices in patients ill with scarlet fever." Novosibirsk, 1958. 10 pp; (Novosibirsk State Medical Inst); number of copies not given; price not given; (KL, 21-60, 132)

DREYZIN, R.S., YAVOROVSKAYA, V.Yo., BALANDINA, A.M., SHURIN, S.P., YOROD YEVA, N.N., MOSOLOV, A.N., ZALESSKIY, GIDI, ZHDANOV, V.M.

Group of new virus strains, the so-called R virus. Vop. virus. 6 no.5:521-532 S-0 '61. (MIRA 15:1)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva i Novosibirskiy meditsinskiy institut, Novosibirsk. (VIRUSES)

ASHBEL', S.I.; KHIL', R.G.; YAVOROVSKAYA, Yu.S. (Gor'kiy)

Prevention of occupational poisoning in workers of granozane plants due to inhalation of unithiol aerosol. Gig. truda i prof. zab. 4 no.12:16-20 D '60. (MIRA 15:3)

1. Gor'kovskiy gosudarstvennyy nauchno-issledovatel'skiy institut gigiyeny truda i professional'nykh zabolevaniy.

(MERCURY ORGANIC COMPOUNDS--TOXICOLOGY)

YAVORSKAYA, Z.A.; APYKHTIN, F.S.

Experience in the decating of felt footwear. Tekst. prom. 24 no.7: 76-77 Jl '64. (MFA 17:10)

1. Starshiy inzh.-tekhnolog Ukrainskogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti (UkrNIITP) (for Yavorskaya).
2. Zavoduyushchiy sektorom valyal'no-voylochnykh i fatrovykh izdeliy Ukrainskogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti (for Apykhtin).

YAVORKOVSKIY, L. I.

YAVORKOVSKIY, L. I. -- "Diagnostic Significance of Lactic Acid in the Gastric Juice." Latvian State U, 1949. In Latvian (Dissertation for the Degree of Candidate of Medical Sciences)

SO: Izvestiya Ak. Nauk Latviyskoy SSR, No. 9 Sept., 1955

YAVOR OVSKIY, A. A.

"The Mechanism of the Grignard-Wurtz Reaction and the Synthesis of SomeFatty-Aromatic Hydrocarbons of C<sub>10</sub> - C<sub>21</sub> Composition." Cand Chem Sci, L'vov State U, L'vov, 1954, (RZHkhim, No 3, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

USSE/Chemistry - Organic chemistry

Card 1/1

Pub. 116 - 16/24

Authors

Malinovskiy, M. S., and Yavorovskiy, A. A.

Title

Synthesis of alpha-bromethyl benzene and alpha-bromisopropyl benzene and their application in Grignard reactions

Periodical :

Ukr. khim. zhur. 21/2, 240-244, 1955

Abstract

It was established that the saturation of styrene or methylstyrene with hydrogen bromide in an ester, chloroform or carbon tetrachloride solution offers high yields of alpha-bromethyl benzene. The properties of alpha-bromisopropyl benzene obtained through high vacuum distillation of the saturation product are described. The conditions favorable for the formation of organo-magnesium compounds of alpha-bromethyl benzene are discussed. The yields of organo-magnesium compounds obtained during the saturation in a nitrogen atmosphere are listed. Eight references: 5 German, 2 Russian and USSR and 1 French (1882-1950). Table.

Institution: The Ivan Franko State University, L'vov

Submitted : April 20, 1954

### 

laurencosting, n. M.

USSR/ Chemistry - Analytical chemistry

Card 1/1

Pub. 116 - 8/29

Authors

Malinovskiy, M. S., and Yavorovskiy, A. A.

Title

Synthesis of 2-phenylbutane and 2-phenyl-2,3,3-trimethylbutane with the aid of lithium-organic compounds

Periodical :

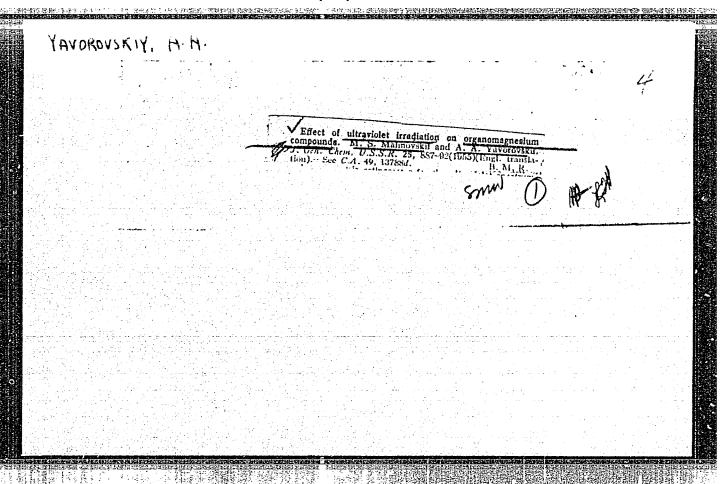
Ukr. khim. zhur. 21/6, 723-725, Dec 1955

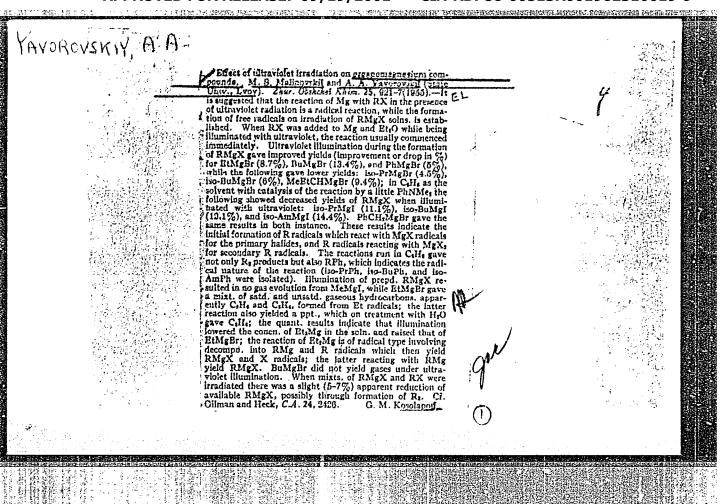
Abstract

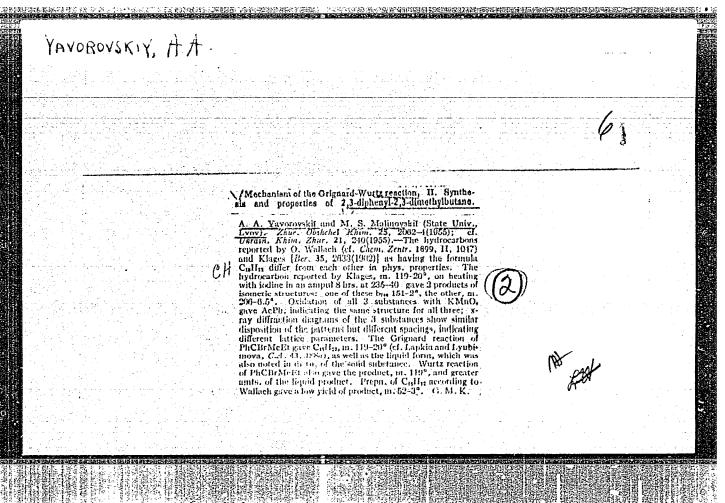
By combining alpha-bromo-isopropylbenzene with tertiary butyllithium and lithiumtriethylmethane the authors obtained two hydrocarbons - 2-phenyl-2,3,-3-trimethylbutane and 2-phenyl-2-methyl-3,3-diethylpentane. Another hydrocarbon - 2-phenylbutane - was obtained in an analogous manner from lithium ethyl and alpha-bromethylbenzene. It was established that the very same reactions but with organo-magnesium compounds instead of lithium-organic ones did not produce the hydrocarbon desired or the yield of the hydrocarbon was extremely low. Five references: 1 USSR, 3 USA and 1 Germ. (1876-1949).

Institution: L'vov State University im. I. Franko, Faculty of Organ. Chem.

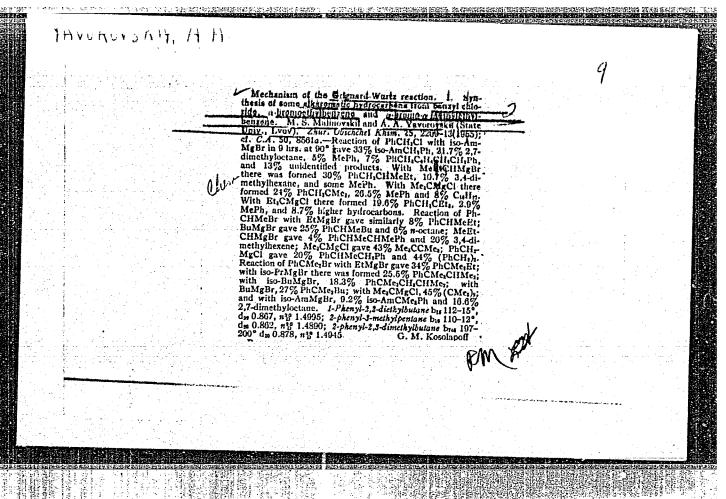
Submitted : May 28, 1955







YAVOROVSKIY, A.A.	
	Mechanism of the Grignard-Wurtz reaction. I. Synthesis of some alkaromatic hydrocarbons from benzyl Schloride, a-bromoethylbenzene, and a-bromo-a-methylethylbenzene. M. S. Malinovskil and A. A. Yavorovskil. J. B. M. R. Gen. Chem. U.S.S.R. 25, 2169-73(1955)(Engl. translation).  See C.A. 50, 9311d.  B. M. R.



VAVOROVSKIY,

137-58-1-2138

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 290 (USSR)

Yavorovskiy, A. A., Galibey, L. I. AUTHORS:

Polarographic Analysis of Type Metal (Polyarograficheskiy TITLE:

analiz tipografskikh splavov)

PERIODICAL: Sb. tr. Ukr. n. -i. in-t poligr. prom-sti, 1956, Vol 4,

pp 104-126

Conditions have been found for simultaneous polarographic ABSTRACT:

analysis of Sb-Sn and Pb-Sb. Determination of Sn in the presence of Pb requires prior separation of the two, as their halfwave potentials coincide under all conditions. 0.2 g type metal is dissolved in concentrated H2SO4 and H2O is added to the foregoing, together with the PbSO<sub>4</sub> precipitate, to bring it up to 50 cc. The solution is filtered and 25 cc filtrate is supplemented by a background solution (132 g NH<sub>4</sub>C1, 80 cc 15 percent HC1, 24 cc 0.5 percent gelatin solution, and 600 cc H2O) up to a total of 100 cc. The Sb and the Sn are subjected to polarography in an H2 atmosphere. Cu and Fe may be analyzed simultaneously. If the Cu and Fe content is greater than 1-2 percent, the peaks

of the Sb and Sn waves diminish, and this results in under-

Card 1/2

137-58-1-2138

Polarographic Analysis of Type Metal

reading of the results. If this is the case, additional curves have to be plotted for purposes of calibration. Under these conditions, Ni and Zn do not yield diffusion current and may be determined separately against an ammonia background after separation of the Pb in the form of PbCO3. It is desirable that Cu also be determined against an ammonia background. The disagreement of the results with those obtained by chemical methods is approximately 2.5 percent for Sb and approximately 5 percent for Sn.

1. Type metals--Polarographic analysis

N.G.

Card 2/2

YAUDROVSKIY, A. A.

137-58-1-2137

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 290 (USSR)

AUTHORS: Yavorovskiy, A. A., Shimanskiy, V. M.

TITLE: Semimicroanalysis of Tin and Antimony in Type Metals

(Polumikroanaliticheskoye opredeleniye olova i sur'my v

tipografskikh splavakh)

PERIODICAL: Sb. tr. Ukr. n.-i. in-t poligr. prom-sti, 1956, Vol 4,

pp 127-134

ABSTRACT: 0.1 g alloy is dissolved with heating in 3 cc concentrated

H<sub>2</sub>SO<sub>4</sub>. After cooling, 10 cc HCl (1:1) are added to the solution. It is heated until the solution clears and is then titrated by 0.1 N KBrO3 in the presence of 0.2 percent methyl orange until it is colorless (at 70-80°). A control experiment is conducted parallel thereto. After titration 5 cc 15 percent HCl are added, as are 10 cc of water, and a 30 cm spiral-shaped iron wire is introduced. The flask is closed by a plug with a bunsen valve. As a result the PbSO<sub>4</sub> dissolves, the Sb<sup>+5</sup> is reduced to the metallic state, and the  $Sn^{+4}$  to  $Sn^{+2}$ . The solution is held

at a temperature close to the boiling point for 20 minutes and is

Card 1/2 filtered through absorbent cotton in a flask with 2-3 pieces of

137-58-1-2137

Semimicroanalysis of Tin and Antimony in Type Metals

marble and 2-4 cc 5 percent HCl. The flask is closed by a plug with a bunsen valve, cooled by water, pieces of marble are added, and the analysis is completed with iodometry. The time required for the analysis is one hour. The results of a verification of the method are presented.

P. K.

1. Type metals—Preparation 2. Tin—Determination 3. Antimony—Determination 4. Titration

Card 2/2

USSR/Physical Chemistry - Colloid Chemistry, Dispersion Systems.

B-14

Abu Jour: Referat. Zhurnal Khimiya, No 2, 1958, 4044.

Author : R.V. Kucher. A.A. Yavorovskiy, M.A. Kovbuz.

Inst

Title

: Study of Colloid Properties of Sodium Salts of Sulfosuccinic

Orig Pub: Kolloidn. zh., 1957, 19, No 4, 454-458.

Abstract: The surface tension isotherms of aqueous solutions of sodium salts of dimethyl, diethyl, dibutyl and diisoamyl esters of sulfosuccinic acid were studied. The micelle formation in the three lower salts is displayed in aqueous solutions at an insignificant degree, which is confirmed with the values of the critical concentration of micelle formation and of the micelle-molar weight determined by the light diffusion method. Diisoamyl ester possesses clearly expressed colloid properties. The conjugate solubility of sudan III starts to increase no-

Card : 1/2

-5-

USSR/Fhysical Chemistry - Colloid Chemistry, Dispersion Systems. CIA-RDP86-00513R001962310019-9

B-14

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 4044.

ticeably in the series of aqueous solutions of lower succinic acid esters beginning from dibutyl ester and it is especially great in the case of diisoamyl ester.

IZAKOV, Feliks Yakovlevich, kand. tekhn.nauk, dotsent; YAVORSHCHENKO, Nina Yovgen'yevne, aspirantka

Accuracy of sorting materials using drum-type electric corona discharge separators. Inv. vys. ucheb. zav.; elektromekh. 8 nc. 8:946-948 165. (MIRA 18:10)

1. Chelyabinskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva (for Izakov). 2. Kafedra elektrotekhniki Restovskogo instituta sel'skokhozyaystvennogo mashinostroyeniya (for Yavorshchenko).

NESMEYANOV, A.N., akademik; YAVORSKIY, B.M.; ZASIAVSKAYA, G.B.; KOCHETKOVA, N.S.

Absorption spectra of seme ferrocene derivatives. Lokl. AN SSSR 160 no.4:837-840 F 165. (MIRA 18:2)

1. Institut elementoorganienesk kh soyedineniy AN SSSR.

LYASHCHENKO, T.V.; YAVOROVSKIY, O.K. [IAvorovs'kyi, O.K.]

Experience in the mechanization of production processes. Leh.prom. no.4:53-54 O-D '62. (MIRA 16:5)

1. Khar'kovskaya shveynaya fabrika No.4. (Kharkov--Clothing industry)

s/194/62/000/005/021/157 D256/D308

AUTHOR:

Yavorovskiy, V.G.

TITLE:

A system for controlling and simultaneous indicating the water level in the head tank of a thermoelectric

power plant

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-2-99 f (Sakharn. prom-st',

1961, no. 4, 46)

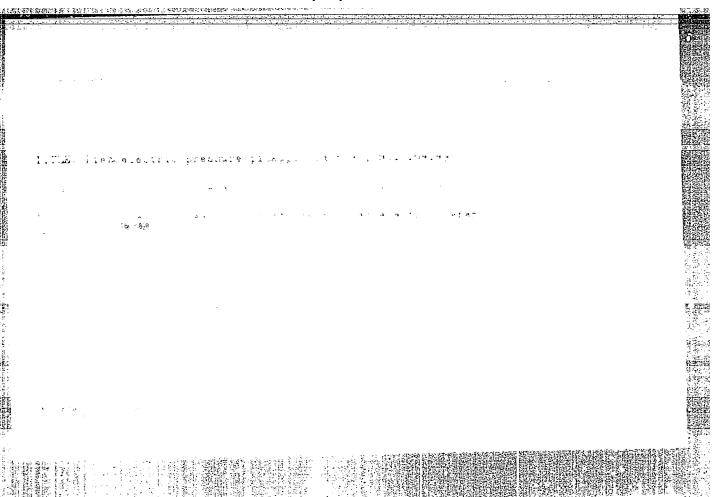
TEXT: Description of a system for regulation and remote indication of water level in the pressure tank of the thermoelectric power in stallation of the Lannovskiy sugar plant. A throttle shutter was installed in the water supply pipe of the tank, and connected with a stalled inside the tank by means of a lever mechanism; the same mechanism countries and the float to a magnetic system commission a choice of the float to a magnetic system commission a choice of the float to a magnetic system commission a choice of the float to a magnetic system commission a choice of the float to a magnetic system commission as the float to a magnetic system commission and the float to a magnetic system commission as the float to a magnetic system commission and the float to a magnetic system commission as the float to a magnetic system commission as the float to a magnetic system commission and the float to a magnetic s nism couples the float to a magnetic system comprising a choke coil on an old 212/12 V transformer core. The choke coil has 200 turns of 1 mm<sup>2</sup> diam. enamelled wire and current is supplied to it from the mains through a 220/12 V reducing transformer. A 5 A ammeter is included into the coil circuit indicating the current flowing through Card 1/2

A system for controlling and ...

S/194/62/000/005/021/157 D256/D308

the coil, the scale of the ammeter being calibrated in the units of the water level in the tank. If the water level drops, the float opens the throttle shutter and the magnetic circuit of the choke. A further drop of the level increases the opening of the shutter and the air gap in the magnetic circuit. The ammeter indicates the drop of the water level in the tank. Should the level rise, the process excessive water consumption and saves el. energy. [Abstractor's note: Complete translation].

: Card 2/2



SOV/137-57-10-19182

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 10, p 106 (USSR)

Yavorshchenko, Ye.l. AUTHOR:

Employment of Odd-shaped Pipe in the Building of Farm Machinery TITLE:

(O primenenii fasonnykh trub v sel'skokhozyaystvennom mashino-

stroyenii)

PERIODICAL. V sb.: Ratsionalizatsiya profiley prokata. Moscow, Profizdat,

1956, pp 279-283

The VISKHOM (All-Union Scientific Research Institute for Agri-ABSTRACT:

cultural Machinery) has developed and perfected the techniques required to produce 15 models and sizes of shaped pipe (SP) of square, rectangular, and triangular section, while until last year the plants of the ferrous-metals industry made only 2 models and sizes of SP. It is necessary to hasten the work of the scientific research institutions and plants in developing and introducing new economical sections, to accelerate the development and production of lightened hot-rolled shapes in accordance with the present GOST government standard, and to undertake the development of SP pro-

duction by shaping. Card 1/1

## YAVORSKAYA, A.A.

Working with a textbook and distributed material in anatomy lessons. Fel'd.i akush. 27 no.7:59-60 Jl '62. (MIRA 15:9)

1. Vinnitskoye meditsinskoye uchilishche.
(ANATOMY—STUDY AND TEACHING)

如此可能的使用的一种性的的性质,但可以可用,在这个人们的一种。

KOZIN, V.M.; CHERVATYUK, V.F.; YAVORSKAYA, A.K. [IAvors'ka, A.K.]; NAKONECHNAYA, A.O. [Nakonechna, A.O.]

Using the dilatometric method for determining the complete setting (polymerization) of "plastic" concrete. Khim.prom. [Ukr.] no.1: 12-15 Ja-Mr '64. (MIRA 17:3)

## YAVORSKAYA, A.R.

Using a planetary mechanism with noncircular wheels for generating an intermittent periodic motion. Trudy Inst.mash. Sem. po teor.mash. 21 no.81/82:16-29 '60. (MIRA 13:11)

(Mechanical movements)

TAVORSKAYA, B.M.; OSIPOVA, G.I.; YEGORSHINA, L.A.

Epidemiological effectiveness of prophylactic action of phage in dysentery nidi. Zhur.mikrobiol.epid.i immun. no.2:69 F '54.

(MLRA 7:3)

1. Iz Tomakogo instituta vaktsin i syvorotok.

(Dysentery) (Bacteriophage)

AVORSKAYA,

SUBJECT USSR / PHYSICS AUTHOR

CARD 1 / 2

PA - 1933

JAVORSKAJA, I.M.

TITLE

The Solution of some Problems of Detonation in a Medium with

Varying Density.

PERIODICAL

Dokl. Akad. Nauk 111, fasc. 4, 783 - 786 (1956)

Issued: 1 / 1957

For the purpose of studying the initial stage of the flashing up of new stars, the extension of compression "jumps" in gas masses with eigengravitation and with a flow of heat on the front of the compression flow (detonation, radiation, etc.) is investigated. A glass sphere is assumed to be at rest at the moment t = 0, in which initial density is distributed in accordance with the law  $Q_0 = A/r^{\omega}$ - The author investigated the not steadied adiabatic motion of a gas caused by the detonation which began in the center of the sphere. This gas motion is described by four partial differential equations. The motion of the gas is, in general, not automodellike. Here strong detonation waves are investigated, the velocity D of which is considerably greater than the velocity a of the sound before this wave.  $(q = a^2/D \sim 0)$ . The term describing the effect of gravitation can be neglected in the equation. The problem investigated here is reduced to that of the propagation of a detonation wave in a glass sphere irrespective of back pressure and the forces of gravitation; on this occasion the problem becomes automodel-like. New dimensionless variables are introduced, and the equations of motion are expressed by them. Also the HUGONIOT conditions on the front of the shock wave are given.

Dokl.Akad.Nauk 111, fasc. 4, 783-786 (1956) CARD 2 / 2

PA - 1933

For the determination of gas motion behind the detonation wave the field of the integral curves of the equation of motion and the modification of a parameter along these integral terms are studied. A graph illustrates the integral curves for different  $\omega$  . Furthermore, an expression for the modification of the character of the singular points on the occasion of the modification of  $\omega$  is

At  $0 \le \omega \le 2f/(f+1)$  the CHAPMAN-JOUGET condition can be satisfied. At  $\omega$  > 0 (contrary to  $\omega$  = 0) there is no nucleus at rest in the center, and the moving gas occupies the entire space within the wave front and pressure in the center is finite. At  $\omega > 2 f/(f+1)$  the CHAPMAN-JOUGET condition cannot be satisfied, and velocity and pressure behind the detonation wave then surpass their values which hold in the case of the CHAPMAN-JOUGET wave condition being satisfied. At  $\omega = 3(f+1)/(3f-1)$  an exact solution is obtained. In conclusion the case  $\omega > 3(f+1)/(3f-1)$  is discussed. If the motion is automodellike, it is possible, by means of a qualitative investigation to determine the charactefistics of the gas on the wave front and thus solve the problem. However, in the case of non-automodellike motions, considerable difficulties may be encountered when solving the problem.

INSTITUTION: Moscow State University

CIA-RDP86-00513R001962310019-9"

APPROVED FOR RELEASE: 09/19/2001

SOV/124-58-3-3044D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 3, p 71 (USSR)

Yavorskaya-Shapshal, I.M. AUTHOR:

Investigation of Some Transient Motions of Gravitating Gas in TITLE:

the Presence of Detonation Shock Waves and a Magnetic Field (Issledovaniye nekotorykh neustanovivshikhsya dvizheniy gravitiruyushchego gaza pri nalichii udarnykh voln detonatsii,

magnitnogo polya)

Bibliographic entry on the author's dissertation for the degree ABSTRACT:

of Candidate of Physical and Mathematical Sciences, presented

to the MGU (Moscow State University), Moscow, 1957

ASSOCIATION: MGU (Moscow State University), Moscow.

KL. 26-57, 104-105

Card 1/1

20-5-19/60

AUTHOR TITLE

The Oscillations of an Infinite Self-Gravitating Cas Cylinder in the

Presence of a Magnetic Field. (Kolebaniya beskonechnogo gazovogo tsilindra s sobstvennoy gravi-

tatsiyey v magnitnom pole - Russian) Doklady Akad. Nauk SSSR, 1957, Vol 114, Nr 5, pp 988 - 990 (U.S.S.R.)

PERIODICAL

**ABSTRACT** 

The author here investigates onedimensional notions of a gas which have become nonsteady and may be connected with the motion of cosmic masses under the influence exercised by magnetic fields. The author especially presupposses the following: The electric conductivity of the gases is assumed to be so high that the magnetic lines of force may be supposed to be practically "Frozen" in in the medium. The author furthermore investigates the problems of radial motions with cylindrical symmetry under the effect of the forces of Newton's gravitation and the interior magnetic field. The velocity is assumed to depend linearly on the distance from the symmetry axis. Reference is

made to works dealing with this subject. 1. The interior magnetic field is assumed to be directioned along the symmetry axis, and the corresponding system of equations of notion is written down in cylinder coordinates. Also the strict particular solution of this problem, which is to be investigated here, is written down. The motion of the gas depends on the amount of the coefficients occuring in this solution. All possible cases are described: I. The gradients of pressure and of magnetic intensity are assu-

Card 1/2

**APPROVED FOR RELEASE: 09/19/2001** 

CIA-RDP86-00513R001962310019-9"

20-5-19/60

The Oscillations of an Infinite Self-Gravitating Gas Cylinder in the Presence of a Magnetic Field.

med at the beginning to be positive. II. The gradient of magnetic intensity is negative. III. The gradient of pressure is negative, the gradient of magnetic intensity is positive. IV. The magnetic field is constant. V. Gas pressure is at first constant. VI. The magnetic field is constant and gravitation forces are lacking. This case agrees with that in which mass forces are lacking. VII. The forces of gravitation are lacking. Pressure and magnetic intensity are constant. In the case of the existence of gravitation forces and a magnetic field which is directioned along the symmetry axis it is possible that, in the case of the here studied initial distributions, gas configurations fly apart.

2. In conclusions the author deals with the case in which the magnetic lines of force are closed concentric circles. The solution of this problem which is mentioned here does not depend on an arbitrary function. The effect of gravitational forces is in this case equivalent to the change of the gradient of magnetic intensity. (1 illustration)

ASSOCIATION

PRESENTED BY SEDOV L.I., Member of the Academy

Moscow State University"M.V.Lomonosov"

SUBMITTED

27,3.1957

AVAILABLE Card 2/2

Library of Congress.

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	I'E 1 D Iroline hydrody	2-10 July 1952), Rige, 1975, 3 Jority of the texts of the 55 ary presented in the source L orts are included there are there to the first time (abril	stohydrodynamics an ites, by D. A. Fran mics and the Study	tra and Their Role 1	The inclumes of a Aspette Field on the Stalling Conducting Fluid, by In. Pallingar, Moscow, pp 59-9-8 ages Problems of the Histon of a Rarefield Flaces by No. P. Priceially, Moscow, pp 59-22	eady-State Potions	"On the Criterion of Applicability of the Equationalist to a Flatam," by §. I. Applicability, Noscov, of the report by R. V. Polovia, Eds. key, pp 71-72)	ility of Accelerating agretised Flaces, 1	mation of Charged P ing the Collision o 83-38	of a longitudinal Plans, by H. V.	of Certain Charact	of Electrodynamic Cosal Convertor, by T. G. Timofeyers, Nosc	ection of Weak Pert Shock Waves in Magni 125	"On the Biability of Spock Pares in M. Sprontially, Moseow, pp 127-131	On the Scattering of Mydronemetic Verres of O. Sitenko and Yu. A. Kirochila, Dar' bay	"On the Damping of Magnetchydrolyzanic Waves in Eagleyev, Moscow, pp 147-149	in Mayetchydrodyn i. V. Polovin, Mer'	inal Problems of Factors of Factors of Factors of Factors of Management	1) i of an include Gu				
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Man conquers space. Rabotnitsa 37 no.2:26 7 '59. (MIRA 12:3)

1. Uchenyy sekretar' Komissii po mezhplanetnyn soobshcheniyam pri
AN SSSR. (Cosmic physics)

YAVORSKAYA, I. M. (Moscow)

"On Some One-Dimensional Unsteady Gas Motions, with Consideration of Radiation Effects."

report presented at the First All-Union Congress on Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb 1960.

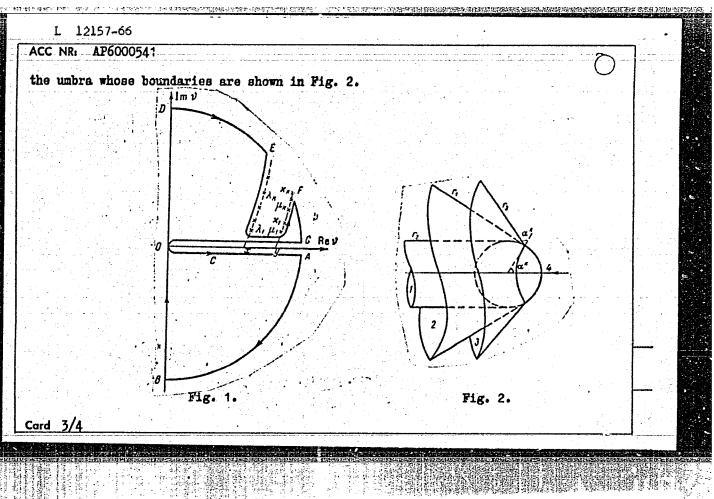
L 12157-66 EWT(d) Turke;	SOURCE CODE: UR/0040/65/029/006/1023/1034
AUTHOR: Yavorskaya, I. M. (Moscow)  ORG: none	6/1/2
and the control of the first term of the control of	raction field on a sphere under incident plane
SOURCE: Prikladnaya matematika i mekhar	nika, v. 29, no. 6, 1965, 1023-1034
function, plane wave, asymptotic proper ABSTRACT: The problem of plane wave digated and short wave asymptotes were for various regions of elastic space: light assumed polarized in the x-direction $W_0 = w_0 \exp{(-i\alpha)}$	ffraction on a spherical obstacle was investi- and for the scattered wave displacement in , umbra, and penumbra. The incident wave is $a_{ij}(t) = x_0 \exp \left[-i\left(\omega t + k_2 z\right)\right],$
The second secon	the stationary waves is described by $-\frac{1}{k_1!}\nabla \times \nabla \times \mathbf{w} + \mathbf{w} = 0.$ and in spherical functions with boundary as hollow spheres. The resulting displacement
Card 1/4:	

## L 12157-66

ACC NR: AP6000541

The solution of this equation is studied in the complex plane  $\vee$  for  $k_1a$  and  $k_2a >> 1$  according to the Watson transformation (G. N. Watson. Diffraction of electric waves by the earth. Proc. Roy. Soc. A, 1918, vol. 95, No. 666) (see also Fig. 1). The short wave asymptotes of the above transformation are studied next, using the asymptotic expressions for spherical Bessel functions and associated Legendre functions. The longitudinal displacement is found to converge fast everywhere in the umbra region whose bounds  $(r_1 = a / \cos (\theta - a^*))$ 

represent a conic section with an apex angle  $\pi$ -2 $\alpha$ <sup>x</sup>. The transverse displacement series shows convergence in the same region, coincident with the geometric domain of Card 2/4



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L 32003-66 -- EWI (1)

ACC NR: AP6013160

SOURCE CODE: UR/0387/66/000/004/0003/0014

AUTHOR: Yavorskaya, I. M.

42

ORG: Mathematics Institute, Academy of Sciences, SSSR (Matematicheskiy institut, Aka-demiya nauk SSSR)

TITLE: Scattering of high frequency plane longitudinal waves from convex bodies

SOURCE: AN SSSR. Izvestiya. Fizika Zemli, no. 4, 1966, 3-14

TOPIC TAGS: elastic scattering, shear wave, compression shock wave

ABSTRACT: Scattering of stationary waves from rigid spheres and spherical cavities in various zones of the elastic space is studied. The results are applied to smooth bodies of arbitrary convexity. A method suggested by Watson (1918) and further developed by Fok (1946) and Bremmer (1949) for the acoustical and electrodynamic problems is applied for the solution of diffraction problems, by setting up basic equations and certain boundary conditions. The equations for "creeping" waves in the "shadow" zone and diffraction waves in the "light" zone were developed and applied to diffraction phenomenon from smooth convex bodies using a method developed by Levy and Kellov (1959). The author thanked G. A. Shuridin for her interest in the work. Orig. art. has: 6 figures, 31 formulas.

SUB CODE: 0830/

SUBM DATE: 10Sep65/

ORIG REF: 012/

OTH REF: 014

Card 1/1 -

UDC: , 534.26

YAVORSKAYA, I.M. (Moskva)

Short-wave asymptotic behavior of a diffraction field on a sphere under the effect of incident plane transverse waves. Prikl. mat. i mekh. 29 no.6:1023-1034 N-D '65. (MIRA 19:2)

1. Submitted July 22, 1965.

IOTKOVSKIY, Aleksandr Arturovich; YAVORSKAYA, I.S., red.

[Economic problems of the automation of Soviet trade]
Ekonomicheskie problemy avtomatizatsii sovetskoi torgovli.
Leningrad, Izd-vo Leningr. univ., 1965. 122 p.

(MIRA 18:10)

TOLMACHEV, Aleksandr Innokent'yevich; YAVORSKAYA, I.S., red.; ZHUKOVA, Ye.G., tekhn. red.

[Fundamentals of the study of the ranges of plants; introduction to the chorology of plants]Osnovy ucheniia ob arealakh; vvedenie v khorologiiu rastenii. Leningrad, Izd-vo Leningr. univ., 1962. 99 p. (MIRA 16:1)

(Phytogeography)

LAGUTINA, Yekaterina Ivanovna; SEMEVSKIY, B.N., prof., red.;
YAVORSKAYA, I.S., red.; BLIZAROVA, N.A., tekhn. red.

[Africa; economic and geographical study] Afrika; ekonomikogeograficheskii ocherk. Uchebnoe posobie dlia studentovzaochnikov pod red. B.N.Semevskogo. Ieningrad, Izd-vo Leningr. univ., 1962. 73 p. (MIRA 15:7)

(Africa—Economic geography)

ALEKHIN, Yuriy Mikhaylovich; YAVORSKAYA, I.S., red.; ZHUKOVA, Ye.G., tekhn. red.

[Statistical forecasts in geophysics; dynamic and statical method for the forecast or geophysical macroprocesses] Statisticheskie prognozy v geofizike; dinamiko-statisticheskii metod prognoza geofizicheskikh makroprotsessov. Leningrad, Izd-vo Leningr.univ., 1963. 84 p. (MIRA 16:10) (Geophysics)

PAVLOVA, Nina Nikolayevna; BABKOV, I.I., otv. red.; YAVORSKAY4, I.S., red.

[Physical geography of the Crimea; a textbook] Fizicheskaia geografiia Kryma; uchebnoe posobie. Leningrad, Izd-vo Leningra, univ., 1964. 104 p. (MIRA 17:7)

YAVORSKAYA, K. Ya.: Master Med Sci (diss) -- "The problem of the effect of removal of the cerebellum on the conditioned-reflex activity of birds and mammals (Experiments on doves and cats)". Leningrad, 1959. 19 pp (Inst of Experimental Medicine, Acad Med Sci USSR, First Leningrad Med Inst im Acad I. P. Pavlov), 200 copies (KL, No 16, 1959, 110)

sov/35-59-9-6979

Translation from: Referativnyy zhurnal, Astronomiya 1 Geodeziya, 1959, Nr 9, p 15 (USSR)

AUTHORS:

Demenko, I.M., Lysyakova, R.F., Yavorskaya, L.N.

TITLE:

The Exact Positions of the Minor Planet Hebe

PERIODICAL:

Astron. tsirkulyar, 1958, September 18, Nr 195, pp 5 - 6

ABSTRACT:

Seventeen photographic positions of Hebe are cited, (epoch. 1950.0). The plates were obtained by the astrograph MAO AS UkrSSR (D = 40 cm, F = 5.5 m) during 1955 - 1957; the coordinates of the reference stars were taken from

the Yale catalogues.

Card 1/1

- 1. YAVORSKATA, H. T.
- 2. SSSR (600)
- 4. Fur
- 7. Comparative study of group components of the microflora of raw furs preserved with acid salts and with brine.
  Trudy VNIO No. 10, 1951

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

CHERKASSKIY, Ye.S.; YAVORSKAYA, M.T.

Secondary microbes associated with distemper and their variability.
Trudy VNIO no.13:204-206 '53. (KLRA 7:5)
(Distemper) (Pseudomonas)

AUTHOR:

ORSKaya, T.I.

hipov, P.Ya., Candidate of Technical Sciences; Yavorskaya,

I., Engineer

TITLE:

Suction Silt-Condenser (Vsasyvayushchiy sgustitel' lul'py)

PERIODICAL:

Gidrotekhnicheskoye Stroitel'stvo, 1958, Nr 4 pp 47-48 (USSR)

ABSTRACT:

Investigation of the process of sand dredging has revealed the possibility of separating part of the indrawn water, rushing into the tube between the edge of the suction nozzle and the ground. The flow of water entering the dredging tube under the suction action of the dredge forms a sort of cylindrical sleeve, entraining at its center the mass of silt. By introducing a thin walled pipe into the suction nozzle, it is possible to transport through this pipe a more-highly-concentrated silt. This interior pipe separates the water surrounding the silt (when it enters the nozzle) from the silt in the center of the flow. To increase the effectiveness of the dredge, the section nozzle can be given the shape of a flange or a funnel as shown in figure 2. It is recommended to use pumps "NF" when working with dredging machines "NZ".

AVAILABLE:

Library of Congress

Card 1/1

1. Dredging machines-Equipment

MILKONAZII, I.V.

20-5-23/60

AUTHOR:

SPIVAK, G.V., KROKHINA, A.I., YAVORSKAYA, T.V., DURASOVA, YU.A. Etching of Dielectrics by Ionic Bombardment. (Travleniye dielektri-

kov ionnoy bombardirovkoy, Russian)

PERIODICAL:

Doklady Akademii Nauk SSSR, 1957, Vol 114, Nr 5, pp 1001-1003

(U.S.S.R.)

ABSTRACT:

The following is shown by the present paper: On the occasion of the bombardment of the surface of a dielectric by means of gasions geometrically regular etching figures may form which reflect the crystal structure of the object. Bombardment with positive ions was carried out in a low pressure discharge. The action of neon ions upon crystalline and amorphous dielectrics was investigated. Reference is made to some previous works dealing with this subject. When the cathode was constructed, the fact was taken into account that cathode spattering is proportional to the density of the ion flux, and that there is less depositing of metal at those points where current density is greater. If, therefore, a greater current density is produced on the surface of the dielectric than at neighboring points of the metal, the dielectric is not powdered with metal. This happens in the case of a periodic development of the potential being caused, so that indentations correspond to the domains of the dielectric to be spattered. The orystalline dielectrics used were quartz, Iceland spar, rook salt, and seignette

Card 1/2

20-5-23/60

Etching of Dielectrics by Ionic Bombardment.

salt. Besides, also the amorphous dielectrica amber and plexiglass were etched. Etching with ions took place on the occasion of different kinds of discharge. For amber and plexiglass the method of ion etching must be selected with particular care; I = 2 - 2,5 ma/cm, V = 1.5 kV and t = 2 - 3 hours. The surfaces of the amber and the plexiglass were uniformly destroyed and the figures of destruction had no geometrical pattern. On the occasion of the etching of quartz with ions in the Z-section, distinctly marked triangles were obtained. Of all dielectrics, quartz is the most difficult to investigate. With a weak ion bombardment no figures at all are formed, and in the case of a heavy bombardment the same figures are obtained as in glass. When rock salt is etched (surface {100}) cubes are formed. The etching figures thus obtained can be used for determining the symmetry of the crystal. This method is simpler and often more reliable than that employed in connection with other processes. (With 3 Illustrations).

ASSOCIATION:

Moscow State University "M.V.LOMONOSOV" (Moskovskiy gosudarst-

vennyy universitet im.M.V.Lomonosova

PRESENTED BY: SUBMITTED:

A.V. SHUBNIKOV, Member of the Academy, on 24.1.1957 7.1.1957

AVAILABLE:

Card 2/2

Library of Congress

YAVOROVSKAYA, V.Ye.; MOSOLOV, A.N.; BALANDINA, A.M.

Cultural and various antigenic properties of strains of the virus isolated from patients with rhoumatic fover. Vop. virus. 5 no. 6:695-701 N-D '60. (MIHA 14:4)

1. Kafedra mikrobiologii Novosibirskogo meditsinskogo instituta i revmatologicheskaya laboratoriya. (RHEUMATIC FEVER) (VIRUSES)

SHURIN, S.P.; YAVORSKAYA, V.Ye.; LOZOVOY, V.P.

Detection of the virus isolated from patients with rheumatic fever in a culture of fibroblasts with the aid of labelled fluorescent serum. Vop.virus. 7 no.3:273-276 My-Je '61. (MIRA 14:7)

1. Iz kafedry fakul tetskoy terapii i revmatologicheskoy laboratorii Novosibirákogo meditsinskogo instituta. (RHEUMATIC FEVER) (VIRUSES)

YAVORSKAYA, Yelena Stanislavovna; URBANOVICH, Lyudmila Ivanovna; DANILEVSKIY, N.F., red.

[Pulpitis] Pul'pity. Kiev, Zdorov'ia, 1964. 231 p. (MIRA 17:12)

CATAGORY : USSR

ABS. JOHR.; RZBiol., No. 1959, No. 10310

AUTHOR : Plantonov, F. P., Yavorskaya, Ye. G.
INST. : Moscow Agricultural Academy torent K.

TITLE Moscow Agricultural Academy Intent K. A. \*
TITLE Testing Dichloroethane in the Control of the Root-

Knot Nematode

ORIG. PUB. : Dokl. Mosk. s.-kh. akad. im. K. A. Timiryazeva,

1957, No 31, 152-154

ABSTRACT : \* Timiryazev

In a small scale experiment treatment of the soil with dichlorocthane, 2 liters per square meter, with the use of mulching completely eliminates the nematode. With the use of 2-3-4- liters per square meter without mulch 78.6-18.2-2.3% of the plants, respectively, were affected. When the soil is furnigated its moisture should not exceed 20%. When the soil water content is 37% even the use of 4 liters per square meter reduces the

CARD: 1/2

Country : CATEGORY :

ABS. JOUR. : RZBiol., Ro. 1959, No. 10310

AUTHOR INST, TITLE

ORIG. PUB. :

ABSTRACT : involvement of cucumbers by only 45%.

Dichloroethene can be introduced into the soil with an injector to a depth of 10-15 centimeters, working in gas masks. The cichloroethane should not be introduced under the root -- the cucumber

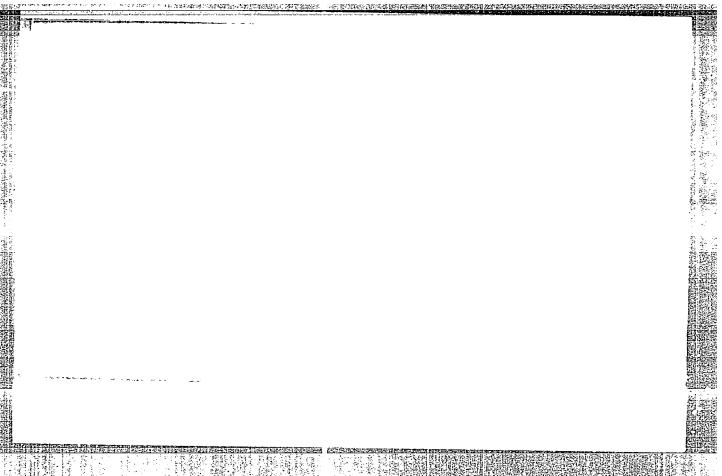
seedlings die. -- A. P. Adrianov

CARD: 2/2

YAVCREKAYA, Ye. S.

"Biological Method of Treatment of Acute Cases of Pulpitic." Cand Med Sci, Kiev Order of Labor Red Banner Medical Inst imeni A.A. Logomol yets, Kiev, 1955. (KL, No 14, Arr 55)

SO: Sua. No. 704, 2 Nov 55 - Survey of Scientific and Technical Discortations Defended at USSR Higher Educational Institutions (16).



YAVORSKAYA, Ye.S., kandidat meditsinskikh nauk (Kiyev)

Biological method for treating acute pulpitis. Probl. stom.
3:99-103 '56 (MLRA 10:5)

YAVORSKAYA, Ye.S., kandidat meditsinskikh nauk (Kiyev)

Histological studies of dental pulp treated with antibiotics. Probl. stom. 3:115-120 '56 (MIRA 10:5)

YAVORSKAYA, Ye.S., dots. (Kiyev)

Condition of the periodontium in diseases of the hemopoietic organs. Probl. stom. 4:225-228 '58. (MIRA 13:6) (GUMS--DISEASES) (HEMOPOIETIC SYSTEM--DISEASES)

## YAVORSKAYA, Ye.S., dotsent

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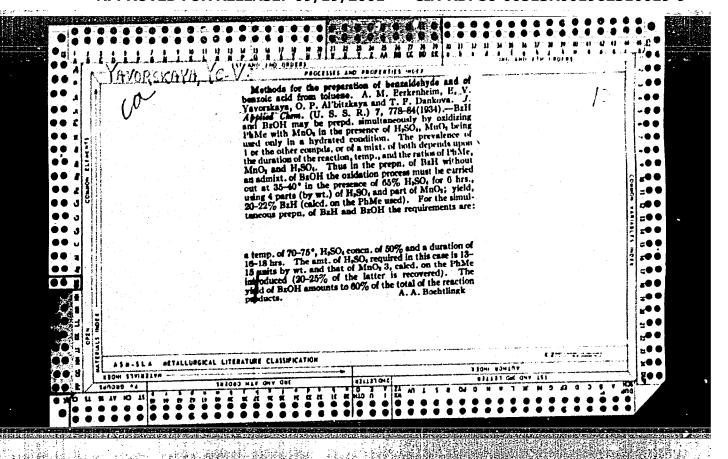
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