

L 02244-67 EWT(1) JM

ACC NR: AR6013691

SOURCE CODE: UR/0058/65/000/010/H033/H033

59  
B

AUTHOR: Andrushkevich, V. S.; Toreyev, A. I.

TITLE: Certain problems in the theory of O-type backward wave tubes in the presence of reflections

25

SOURCE: Ref. zh. Fizika, Abs. 10Zh224

REF SOURCE: Sb. Vopr. elektron. sverkhvysok. chastot. Vyp. I. Saratov, Saratovsk. un-t, 1964, 47-56

TOPIC TAGS: Backward wave tube, space charge, electron beam, electron reflection

ABSTRACT: The authors analyze the influence of reflections in the linear mode of a backward wave tube, with allowance for damping in the system and simultaneous allowance for the space charge of the beam and attenuation of the system. The equation for the excitation of the line by the bunched current and the equation for the perturbation of the electron beam by the field of the line yield, when obtaining a solution by the method of successive approximation, a system of equations which determines the starting conditions. By comparing them with the starting conditions of a backward wave tube without reflection, it is possible to find the ratio of the starting currents of a resonant and nonresonant backward wave tube and the change in phase of the signal. Circle diagrams are presented, which give the dependence of these parameters on the modulus and on the phase of the reflection coefficient for different values of space charge and attenuation. Introduction of attenuation of the order of 4-5 db limits the region of variation of the ratio of the starting currents to a value

Card 1/2

ACC NR: AR6013691

0.5-1.5, and the change of the signal phase is limited to values 2.4-4.1. Allowance for the space charge leads to a certain increase in the region of variation of the indicated parameters, but it has a smaller effect than attenuation. A. B. [Translation of abstract]

SUB CODE: 09,20

Cord

2/2

MAKSIMOV, V.F.; TORF, A.I.

Use of a jet apparatus for the purification of exhaust gases in  
sulfate woodpulp manufacture. Trudy LITSEBP no.13:155-160 '62.

(MIRA 18:2)

GUROV, A.N., dotsent; LOGINOV, A.P., dotsent [deceased]; RABINOVICH,  
G.L., dotsent; RUSIN, Z.Kh., dotsent; EYDINOVA, L.L., dotsent;  
TORF, I.F., prepodavatel'; ALEKSANDROV, A.M., prof., red.;  
FILIPPOVA, E., red.; LEBEDEV, A., tekhn. red.

[State budget of the U.S.S.R.] Gosudarstvennyi biudzheta SSSR.  
Moskva, Gosfinizdat, 1961. 560 p. (MIRA 15:2)

1. Kafedra Gosudarstvennogo byudzheta SSSR Leningradskogo  
finansovo-ekonomicheskogo instituta (for all except Filippova,  
Lebedev).

(Budget)

*Torgonenko, K. Ye.*

NEDOSPASOV, A.V.; TORGONENKO, K. Ye.

The range of low-voltage arc in inert gases. Radiotekh. i elektron.  
2. no. 4: 494-501 Ap '57. (MLBA 10:9)

1. Moskovskiy elektrolampnyy zavod.  
(Electric discharges through gases)

*TORGONENKO, Ye.*

TORGONENKO, Ye.

~~\_\_\_\_\_~~  
New wage rate for builders in operation and problems in its im-  
provement. Sots. trud no.2:58-66 F '58. (MIRA 11:1)  
(Construction industry--Production standards)



29

*ca*

**Method of working the split grain side of goat and sheep skins for chrome-tanned garment and lining material.**  
 N. M. Torosv, *Kozhennno-Obovnyaya Prom.* 14, 148-9 (1938).--Goat skins are split after liming, cleaning of the face, fleshing, Na<sub>2</sub>S treatment at 16-18°, and washing in running water. The grain-side split is weighed, washed at 18-20°, delimed with HCl, softened, pickled, tanned by using in the first drum 100% of spent soln., 4% Na<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> (SO<sub>4</sub>) and 0.8% Na<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> and a second soln. of 4% Na<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> and water 100%. After a resting period, the skin is washed in running water at 35°, neutralized with (a) 0.8-1% Na<sub>2</sub>CO<sub>3</sub> and dyed. It is fat-liquored with (a) monopot soap 2, alizarin oil 2 and castor oil 0.75%, or (b) emulsion (waste from the chamois process contg. 60 g. fat per l.) 35, alizarin oil 1.5 and castor oil 0.75%. The finished product contains Cr<sub>2</sub>O<sub>3</sub> 3.65-5.14 and fat 6.76-14.1%; breaking strength is 1.27-2.57 kg./sq. mm., elongation 23.7-24.4%, av. thickness 0.79 mm. and weight 0.46 g. per sq. mm. The sheep skins are limed for 8 days, washed in running water at 16-18°, sorting, split, treated with HCl, softened with 0.2-0.5% concentrate (of the weight of the split sheep skins) and then treated in the same way as goat skins. A. A. B.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION



B-2-10

**METHOD OF WORKING THE SPLIT-GRAIN SIDE OF GOAT AND SHEEP SKINS FOR CHROME-TANNED GARMENT AND LINING MATERIAL. N. M. TORSEK (Kosh.-Obuvn. Prom., 1936, 14, 148-149).--The chrome-tanned hides are dyed and fat-liquored with soap (or waste emulsion from chamois process)--alissarin oil-castor oil Ch. lbs. (p)**

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

117 AND 120 OFFICE      120 AND 4TH OFFICE

PROCESSES AND PROPERTIES INDEX

COMMON VARIABLES INDEX

COMPOUND ELEMENTS

MATERIAL INDEX

117 AND 120 OFFICE

120 AND 4TH OFFICE

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

117 AND 120 OFFICE

120 AND 4TH OFFICE

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

25

CA

Plant fibers. Lajos Tojczyk. Hung. 110,523, Dec. 1, 1934. The plants are disintegrated in dry or moist state, cleaned mechanically, washed, wet with soda-soult, water and boiled in alkalis or milk of lime. Electrolysis in cold salt water may replace the boiling treatment. Stems of corn, pea and sweet clover can be thus worked up.

COMMON ELEMENTS

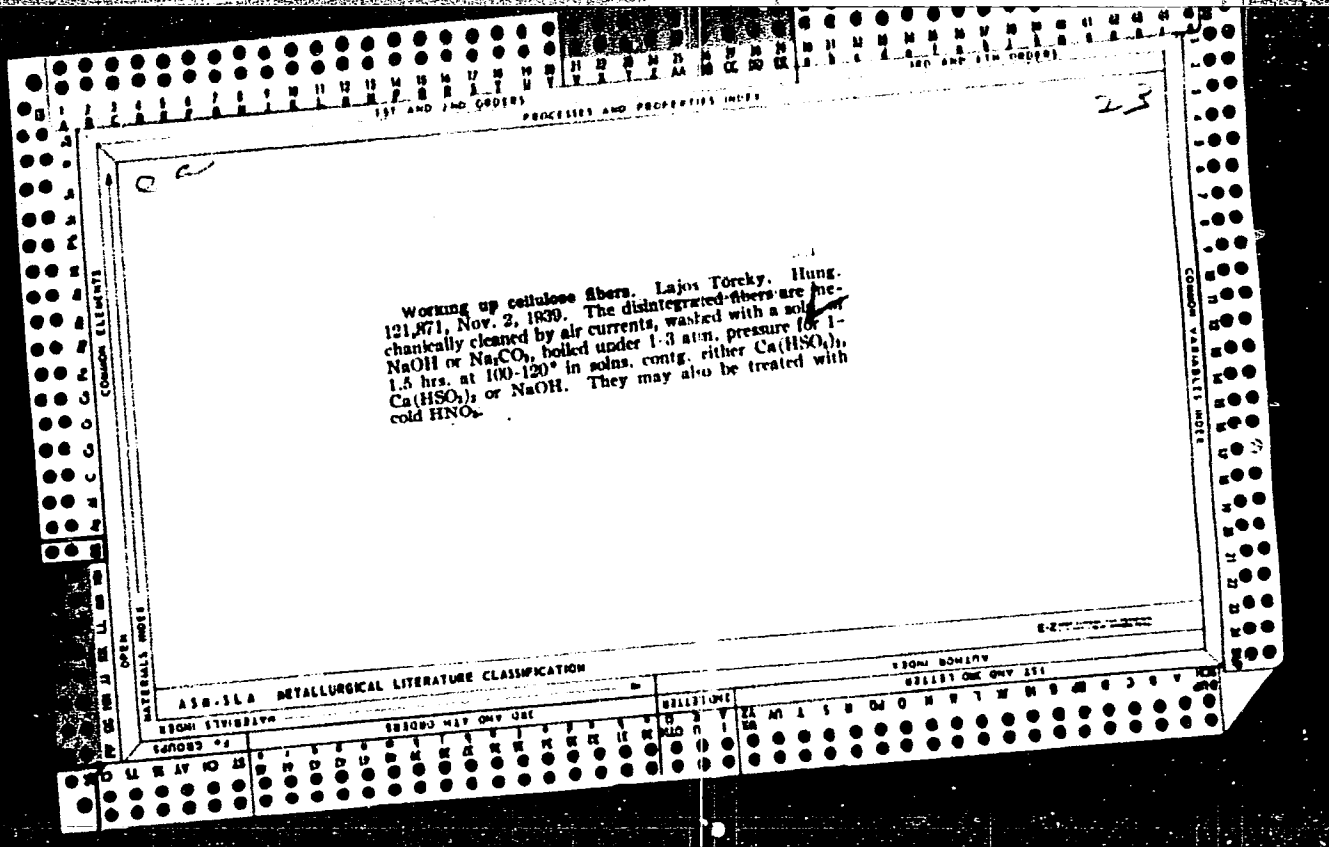
COMMON VARIETIES INDEX

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

GROUPS

LETTERS

1ST AND 2ND ORDERS



TORE, K.: FOTO, I.

AGRICULTURE

Periodicals; PER BUJQUEENNE SOCIALISTE.

TORE, K. FOTO, I. Our experiences in raising lambs. p. 19.

Vol. 13, no. 2, Feb. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 5  
May 1959, Unclass.

TORECKI, Stanislaw (Warszawa)

Impulse heating of cylindrical walls. Archiw bud masz 10  
no. ~~31-351-382~~ 163.

TOREN, M. D.

"Ispol'zovaniye dikorastushchikh rasteniya v russkoy narodnoy meditsine."  
report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.

TORENT'EV, N. N. jt. au.

Organize agricultural experimental stations. Moskva, Krest'ianskaia gazeta, 1930. 77 p.

1. Agricultural experiment stations - Russia. I. Torent'ev, N. N., jt. au.

TOREV, A.K.

Common meadow mushroom as a stimulator of the growth and development of plants. Bot. zhur. 50 no.4:528-532 Ap '65.

(MIRA 18:5)

1. Sel'skokhozyaystvennyy institut, Plovdiv, Bolgariya.



BULGARIA

P. PEICHEV, N. NIKIFOROV and D. TOREVA, Department of Pharmacology of Medical College (Katedra po farmakologiya pri VMI) "I.P. Pavlov", Head (rukovoditel na katedrata) Docent P. PEICHEV, Plovdiv.

"Effect of the 'Salt Spring' Water from the Naretchen Spa on Canine Gastric Motility."

Sofia, Ekspperimentalna Meditsina i Morfologiya, Vol 2, No 2, Apr-Jun 1963; pp 43-48.

Abstract [English summary modified]: Radioactive mineral waters were found to potentiate slightly gastric peristalsis in dogs. They are used as drink in gastric disturbances; their effectiveness is thus presumed established. Two kymograms, 3 tables; 13 Bulgarian ref's.

1/1

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L 45830-66 EWT(1) JM  
ACC NR: AR6015969

SOURCE CODE: UR/0275/65/000/011/A025/A025

58  
25  
B

AUTHOR: Andrushkevich, V.S.; Toreyev, A.I.

TITLE: Some problems in the theory of an O-type backward-wave oscillator tube in the presence of reflections

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 11A156

REF SOURCE: Sb. Vopr. elektron. sverkhvysok. chastot. Vyp. I. Saratov, Saratovsk. un-t, 1964, 47-56

TOPIC TAGS: backward wave tube, space charge, electron beam

ABSTRACT: The effect of reflections under linear operating conditions in a backward-wave oscillator tube is determined with regard to attenuation in the system and with simultaneous consideration to the space charge of the beam and attenuation. The equation for line excitation by grouped current and the equation for perturbation of the electron beam by the line field are solved by the method of successive approximations to give a system of equations which defines starting conditions. A comparison of these conditions with those for a tube without reflections gives a relationship for the starting currents of resonance and nonresonance backward-wave oscillator tubes and the change in signal phase. Polar diagrams are given for these parameters as a function of the modulus and phase of the reflection coefficient for various space charges and attenuations. Bibliography of 13 titles. A. B. [Translation of abstract]

SUB CODE: 09

UDC: 621.385.633

Card 1/1 *db*

TORGASHINA, M.G. ; FEDENYUK, V.G. (Moskva)

Adhesive paper tape for labeling machines. Shvein.prom.  
no.6:32 N-D '59. (MIRA 13:4)  
(Labeling machines)  
(Clothing industry--Equipment and supplies)

M

Country : Rumania  
Category : CULTIVATED PLANTS. COMMERCIAL . Oleiferous. Sugar-  
Bearing.  
Abs. Jour. : REF ZHUR-BIOL., 21, 1958, NO-96064  
Author : Torzo, D.; Dan, A.; Voinea, R.  
Institut. : ~~unspecified~~  
Title : The Behavior of Certain Lines and Varieties of  
Sunflowers in Natural Conditions in the RPR  
Orig. Pub. : Probl. agric., 1958, 10, NO.3. 33-39  
Abstract : No abstract

Card: 1/1

110

MITIN, Sergey Andreyevich; GOBERMAN, M.D.; MIKHAYLOV, P.D.; RUSAKOV,  
A.N.; SEMIBRATOV, V.N.; TORGONENKO, Ye.A.; GIROVSKIY, V.F.,  
glav. red.; USPENSKIY, V.V., zam. glav. red.; BASHINSKIY,  
S.V., red.; GOREBUSHIN, P.B., red.; GUREVICH, M.S., red.;  
LEYKIN, B.P., red.; MALYUGIN, V.I., red.; BOGINA, S.L., red.  
izd-va; NAUMOVA, G.D., tekhn. red.

[Manual on labor and wages in construction] Spravochnik po  
trudu i zarabotnoi plate v stroitel'stve. Pod red. S.A.Mitina.  
Moskva, Gosstroizdat, 1962. 581 p. (MIRA 15:7)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-  
issledovatel'nyy institut ekonomiki stroitel'stva.  
(Wages--Construction industry)

KOVALEV, A.P.; IPPOLITOV, A.S.; TORGONENKO, Yu.M.; BKHADURI, D.; CHELNOKOV, N.I.;  
SHNEYDER, Yu.R.

Flame propagation in laminar and turbulent flows. Inzh.-fiz. zhur.  
no.10:28-36 O '64. (MIRA 17:11)

1. Energeticheskiy institut, Moskva.

TORGOV, A.M.

Escapements of time recorders with a steady gear ratio.  
Nauch. dokl. vys. shkoly; mash. i prib. no.2:233-247 '59.  
(MIRA 12:12)

(Clocks and watches--Escapements)

KOGAN, L.M.; ORANSKAYA, M.S.; SUVOROV, N.N.; SKRYABIN, G.K.;  
TORGOV, I.V.

Microbiological transformations of steroids. Report No.1:  
Preparation of  $17\alpha$ ,  $20\beta$ ,  $21$ -trioil-3-one by  
means of actinomycetes. Izv. AN SSSR Otd.khim.nauk no.2:302-  
303 F '62. (MIRA 15:2)

1. Institut khimii prirodnykh soyedineniy AN SSSR i Institut  
mikrobiologii AN SSSR.

(Pregnene)

(Actinomycetes)



RZHEZNIKOV, V.M.; ANANCHENKO, S.N.; TORGOV, I.V.

Synthesis of some D-homosteriods. *Izv. AN SSSR. Otd. khim. nauk*  
no. 3:465-470 Mr '62. (MIRA 15:3)

1. Vsesoyuznyy institut eksperimental'noy endokrinologii i  
Institut khimii prirodnykh soyedineniy AN SSSR.  
(Homosteriods)

5 (0)  
AUTHOR:

Torgov, I. V.

SOV/79-29-3-1/61

TITLE:

Ivan Nikolayevich Nazarov (Deceased)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 3, pp 701-723 (USSR)

ABSTRACT:

Nazarov was born on July 12, 1906, a son of peasants. In his early youth he became a teacher, but he soon entered the Agricultural Academy imeni Timiryazev and after his graduation as post-graduate student he became the assistant to the well-known chemist and Academician Favorskiy, A. Ye. at Leningrad University. In 1934 he was called to work at the Institute of Organic Chemistry in Moscow, where he remained till the end of his life. In 1935 he was awarded the title of a Candidate of Chemical Sciences in acknowledgment of his work "Metal Ketyls of the Aliphatic and Aliphatic-aromatic Series". From 1936 onward he supervised the investigations of the synthesis of membrane-forming products and began his remarkable work in the chemistry of acetylene and vinyl acetylene. In 1941 he took the degree of a Doctor of Chemistry on the subject "Investigations in the Field of Acetylene Derivatives, the Synthesis of Vinyl Acetylene Alcohols and Their Transformations", and became the Head of the Laboratory for Exact Organic Synthesis. His further scientific

Card 1/2

Ivan Nikolayevich Nazarov (Deceased)

SOV/79-29-3-1/61

and technical activity may be summarized as follows: 1) Organization of the industrial production and application of the carbinol glue invented by him (products that are obtained from the polymers of vinyl acetylene alcohols) for gluing together plastics, metals, glass etc. For this activity carried out during the war he was appointed Corresponding Member of the Academy of Sciences, USSR in 1946. Until his death in 1956, he and his collaborators published, inter al, the following works picked at random: 1) On the Synthesis of Several Physiologically Active, Pain-killing Heterocyclic Compounds Related to the Steroids. 2) On the Synthesis of Natural Terpenes and Terpenoids. 3) Investigations in the Theoretical Field of Stereochemistry and Diene Synthesis. 4) On the Electrophilic Substitution of the Aromatic Hydrocarbons. His publications, known and appreciated also abroad, amount to almost 500. He was also very successfully active in the educational field. More than forty scientific students took the degrees of doctors and candidates of chemical sciences under his guidance. The Government honored him with many decorations. On the whole, his scientific conceptions excelled by profoundness and inventiveness. There are 38 Soviet references.

SUBMITTED: November 10, 1958  
Card 2/2

5 (3)  
AUTHORS:Nazarov, I. N. (Deceased), Andreyev, V. M., SOV/79-29-3-8/61  
Torgov, I. V.

TITLE:

Diene Synthesis With the Participation of Trans- $\alpha$ -dihydro-  
muconic Acid (Diyenovyy sintez s uchastiyem trans- $\alpha$ -digidro-  
mukonovoy kisloty)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 3, pp 775-778 (USSR)

ABSTRACT:

The authors continued their earlier work (Ref 1), concerning cyclic compounds, with a trans-arrangement of the cycles and they further condensed dienes with  $\alpha, \beta$ -unsaturated dicarboxylic acids, of such a structure that the forming cyclic dicarboxylic acids could be transformed into the corresponding transindanone derivatives by subsequent cyclization (Scheme 2). This scheme would offer the possibility of avoiding the complicated and multiple-stage way, per reference 2, which has hitherto been followed in such cases. The condensation of dimethyl ester of trans- $\alpha$ -dihydromuconic acid [(butene-1-dicarboxyl-1,4 acid (I))] was carried out with butadiene and 1-vinyl- $\Delta'$ -cyclohexene. In the first case transdiester (II) formed at 210°, the structure of which was proven according to scheme 3 by conversion into the acid (III) (Ref 3). In the same way, the

Card 1/2

SOV/79-29-3-8/61

Diene Synthesis With the Participation of Trans- $\alpha$ -dihydromuconic Acid

condensation of compound (I) with vinyl cyclohexene led to transdiester (IV) which, owing to the migration of the double bond into the o-position between the cycles, could not be hydrogenated with catalysts. The saponification of diester (IV) yielded the corresponding acid, which was proven according to scheme 4. Also the acid (VI), a homologue of dihydromuconic acid, was synthesized according to scheme 5; it could, however, not be condensed with divinyl. There are 5 references, 1 of which is Soviet.

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

SUBMITTED: October 20, 1958

Card 2/2

SOV/79-29-3-11/61

5 (3)  
AUTHORS:

Torgov, I. V., Hazarov, I. N. (Deceased)

TITLE:

Synthesis of the Steroid Compounds and Their Related Compounds (Sintez steroidnykh soyedineniy i rodstvennykh im veshchestv). XLVI. The Acetate of  $\Delta^2$ -Cyclohexenol-4-one-1 and Its Condensation With 1-Vinyl-6-methoxy-3,4-dihydronaphthalene (XLVI. Atsetat  $\Delta^2$ -tsiklogeksenol-4-ona-1 i yego kondensatsiya s 1-vinil-6-metoksi-3,4-digidronaftalinom)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 3, pp 787-793 (USSR)

ABSTRACT:

In the present paper the authors describe the synthesis of the acetate of  $\Delta^2$ -cyclohexenol-4-one-1 (I) and its condensation with 1-vinyl-6-methoxy-3,4-dihydronaphthalene (II). After long and fruitless attempts the authors succeeded in carrying out the synthesis of the ketone (I) (24% yield) (Scheme 3), by the oxidation of the acetate of  $\Delta^2$ -hexenol-1 with the tertiary butyl chromate, together with carbon tetrachloride and acetic acid. Its structure was determined by hydrogenation into the known compound (III). The attempt to obtain the ketone (I) from (III) by bromination and dehydrobromination (Ref 2) was unsuccessful, as resinification occurred in all cases (Scheme 4). In the further attempt to obtain compound (I) by

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SOV/79-29-3-11/61

Synthesis of the Steroid Compounds and Their Related Compounds. XLVI. The Acetate of  $\Delta^2$ -Cyclohexenol-4-one-1 and Its Condensation With 1-Vinyl-6-methoxy-3,4-dihydronaphthalene

bromination with N-bromo succinimide of ketal of  $\Delta^2$ -cyclohexenone-1, with subsequent treatment of potassium acetate and acetic acid, the authors only succeeded in synthesizing phenyl- and diphenyl-ether of ethylene glycol. Compound (I) enters the diene synthesis with certain difficulties. It only reacts with the reactive 1-vinyl-6-methoxy-3,4-dihydronaphthalene (II) at 150-160°, forming a mixture of products, from which the compound (XII) (5% yield), (XIII) and two dimers of the initial diene (XIV-a and XIV-β) could be separated (Scheme 5). There are 12 references, 7 of which are Soviet.

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

SUBMITTED: February 21, 1958

Card 2/2

TORGOVITSKAYA, M.S.; BORISOVSKAYA, B.L.; FAL'KOVA, I.I.; YUZEFPOL'SKAYA, A.I.

Salmonellal diseases in Zaporozh'ye. Zhurn.mikrobiol.epid. i  
immun. 30 no.5:135 My '59. (MIRA 12:9)

1. Iz Zaporozhskoy oblastnoy sanitarno-epidemiologicheskoy  
stantsii.

(SALMONELLA INFECTIONS, epidemiol.  
in Russia (Rus))



TORF, A.

Automobile and motorcycle club in Pirita. Za rul. 17  
no.12:16 D '59. (MIRA 13:4)

1. Zam. predsedatelya ispolkova Tallinskogo gorsoveta.  
(~~Pirita--Automobiles--Societies, etc.~~)

MAKSIMOV, V.F., kand.tekhn.nauk; BUSHMELEV, V.A., starshiy inzhener;  
TORF, A.I., starshiy inzhener

Testing of an experimental system for high-speed gas purification  
apparatuses in the lime recovery shops of the Segezha Central Paper  
Combine. Trudy LTITSBP no.11:82-93 '62. (MIRA 16:10)

TORF, S. F.

USSR/Chemistry - Synthesis

Card 1/1 Pub. 151 - 38/42

Authors : Torf, S. F., and Khromov-Borisov, N. V.

Title : Synthesis of nitro-, amino, and oxy-derivatives of the diphenylethane series

Periodical : Zhur. ob. khim. 24/9, 1674-1684, Sep 1954

Abstract : The synthesis of diphenylethane series hydrocarbons and their conversion into p,p'-dinitro, p,p'-diamino and p,p'-dioxy derivatives are described. The physico-chemical properties of five such hydrocarbons were analyzed. It was established that the presence of two alkyls in positions 1 and 2 of the diphenylethane aids the arrangement of the nitro-groups in p- and p'-positions. The effect of methyl or ethyl positions in the diphenylmethane molecule and the effect of carbon-chain elongation on the yield of the conversion products are explained. Twenty references: 10-USA; 6-USSR; 1-English; 1-French and 2-German (1866-1952).

Institution : Acad. of Med. Sc. USSR, Scientific Research Chemical Pharmaceutical Institute, Institute of Experimental Medicine, Pharmacology Dept., Laboratory of Synthetic Chemistry, Leningrad

Submitted : April 9, 1954

TORF, S.F.; KHROMOV-BORISOV, N.V.

Alkylated diamino derivatives of the diphenylethane series. Zhur.  
ob.khim.24 no.12:2168-2173 D '54. (MIRA 8:3)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh  
nauk SSSR.  
(Ethane) (Alkylation)

TORF, S.F.

...derivatives of esters of meso- $\alpha,\alpha'$ -  
...  
2

...  
(CN)CH<sub>2</sub>CO<sub>2</sub>Et, m. 101° according to  
EtOH). Hydrolysis of 75 g. (PhCHON) according to  
... followed by sepn. of the  
...  
...

H<sub>2</sub>SO<sub>4</sub> and AcOH ... with more AcOH and ...  
was reduced 6 hrs. with more AcOH and ...  
92.3% meso-(PhCHCO<sub>2</sub>H), m. 227-9°, which (27.8 g.)  
with ... POCl<sub>3</sub> gave on heating to 100°  
...

1/2

Inst. Exptl. Med., AMS USSR

*Tor F. S. F. and Kharyov-Borisov N. Y.*

with EtOH gave the de-Et ester in 100% yield. Me<sub>2</sub>NCH<sub>2</sub>-  
CH<sub>2</sub>OH similarly gave the de-Et ester in 100% yield.

Me<sub>2</sub>NCH<sub>2</sub>-CH<sub>2</sub>-OH

TORF, S. F.

✓ Synthesis of some derivatives of *p,p'*-diamino-meso-*B*,*B'*  
diphenylmethane

2

3

RM  
MST

*Top Secret*  
TORG, S.F.; KHROMOV-BORISOV, N.V.

Hexamethylenebis-trimethylammonium salts (hexonium and hexonium B).  
Med.prom. 12 no.2:18-21 F '58. (MIRA 11:3)

1. Institut eksperimental'noy meditsiny AMN SSSR  
(AMMONIUM COMPOUNDS)



TORR, S.F.; KHROMOV-BORISOV, N.V.

Diphensuccindan and 2,6-dioxydiphensuccindan. Zhmr.ob.khim. 28  
no.9:2452-2458 S '58. (MIRA 11:11)

1. Institut eksperimental'noy meditsiny AMN SSSR.  
(Indenoindene)

TORF, S.F.; KHROMOV-BORISOV, N.V.

Studies in the series of alkylated aromatic amines. Part 1:  
Methylated derivatives of phenylenediamines. Zhur.ob.khim.  
30 no.6:1798-1805 Je '60. (MIRA 13:6)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh  
nauk SSSR, Leningrad.  
(Phenylenediamine)

TORF, S.F.; KHROMOV-BORISOV, N.V.

Synthesis of sigetin (dipotassium salt of p,p'-disulfo-meso 3,4-diphenylhexane). Med. prom. 15 no.3:13-14 Mr '61. (MIRA 14:5)

1. Institut eksperimental'nyy meditsiny AMN SSSR.  
(HEXANE)

TORF, S.F.; KHROMOV-BORISOV, N.V.

Fluorine- and sulfur-containing derivatives of meso-3,4-diphenylhexane. Zhur.ob.khim. 31 no.7:2102-2106 J1 '61.

(MIRA 14:7)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR.

(Hexane)

TORF, S.F.; KHROMOV-BORISOV, N.V.

Bis-trimethylammonium and bis-dimethylsulfone compounds of  
the diphenylethane series as curarelike substances. Med. prom.  
15 no.6:18-22 Je '61. (MIRA 15:3)

1. Institut eksperimental'noy meditsiny AMN SSSR.  
(CURARELIKE SUBSTANCES)

TORF, S.F.; KHROMOV-BORISOV, N.V.

Some derivatives of 1,4-bis (dimethylamino)- and 1,4-bis (diethylamino)-  
2,3-dihydroxbutane. Zhur.ob. khim, 32 no.6:1838-1846 Je '62. (MIRA 15:6)

1. Leningradskiy institut eksperimental'noy meditsiny Akademii  
meditsinskikh nauk SSSR.  
(Butane) (Chemistry, Organic--Synthesis)

TORF, S.F.; KUDRYASHOVA, N.I.; KHROMOV-BORISOV, N.V.; MIKHAYLOVA, T.A.

Synthesis of some derivatives of pyrazole containing the diethyl-  
aminoacetyl amino or trimethyl ammonium group in the position<sub>4</sub>.  
Zhur.ob.khim. 32 no.6:1740-1746 Je '62. (MIRA 15:6)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk  
SSSR, Leningrad.

(Pyrazole)

TO: F, S.F.; KHROMOV BORISOV, N.V.; INDENBOM, M.L.

Methyldiazil, methyldipacil and their quaternary ammonium salts.  
Med. prom. 15 no.12:19-25 D '61. (MIRA 15:2)

1. Institut eksperimental'noy meditsiny AMN SSSR.  
(ANTISPASMODICS)



TORFIMOV, A. V.

Carbon

Isotopic constitution of carbon in magmatic rocks. Dokl., AN SSR 85, no. 1, 1952.

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

TOFFIMOV, A.V.

Carbon

Isotopic constitution of carbon in magmatic rocks. Dokl., AN SSR 85, no. 1, 1952.

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

TORGASHOV, F.V.

~~Suspended electric forging tilter. Kuz.-shtam.proizv. 1 no.5:~~  
32-33 My '59. (MIRA 12:10)  
(Forging machinery)

IL'YENKO, O.G.; PEROV, Ye.V., kand. tekhn. nauk, otv. red.; DUROV,  
S.A., doktor khim. nauk, red.; PONOMAREV, I.F., doktor khim.  
nauk, red.; MOROZOVA, A.I., kand. khim. nauk, red.; ~~TOPCASEV,~~  
P.D., kand. khim. nauk, red.; POGREBTSOVA, L.V., red. izd-va;  
~~NAUMOVA, Yu.A., tekhn. red.~~

[Motor-vehicle fuels and lubricants] avtomobil'nye topliva i  
smazochnye materialy. Novochoerkassk, Redaktsionno-izdatel'-  
skii otdel NPI, 1960. 112 p. (MIRA 15:11)  
(Motor vehicles--Lubrication) (Motor fuels)

TORGASHEV, P. D.

AUTHORS: Durov, S.A., Professor, Doctor of Chemical Sciences, and Bykov, I.Ya.;  
Vologdina, M.P.; Kravtsova, N.M.; Nemirowskiy, Ya. M.; Perova, N.I.,  
and Torgashev, P.D., Candidates of Chemical Sciences

TITLE: The Training of Specialists in Chemistry - to Attain the Level of New Tasks  
(Khimicheskuyu podgotovku spetsialistov - na uroven' novykh zadach) Our  
Considerations (Nashi soobrazheniya)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 9, pp 28-29 (USSR)

ABSTRACT: The authors consider that the article of Professor I.N. Putilova and Docent G.A. Raytsyn in Nr 7 of this periodical was published at the proper time, as it substantiates the necessity to bring the teaching of chemistry closer to the speciality of the respective vtuz, to revise the theoretical part of the course's program and to entitle the various vuzes to compose their own programs according to their individual sections. The authors (personnel of the Chairs of Inorganic and Organic Chemistry of the Novocherkassk Polytechnical Institute) set forth in the present article their considerations on the suggestions of I.N. Putilova and G.A. Raytsyn and describe how instruction in chemistry is organized in the Institute's various faculties. Since the number of students coming from plants is increasing year to year, and as many of them require a review course, the most important sections of elementary chemistry should be retained. The idea of specializing chemistry according to the type of vuz is absolutely correct. There is 1 Soviet reference.

ASSOCIATION: Novocherkasskiy politekhnicheskly institut imeni S. Ordzhonikidze  
(Novocherkassk Polytechnical Institute imeni S. Ordzhonikidze)

TORGASHEV, P.D., dotsent, kand.khimicheskikh nauk; CHERN, N.G.,  
assistent, kandidat khimicheskikh nauk

Use of radioisotopes for the investigation of physico-  
chemical processes taking place inside the boilers of simple  
units. Trudy NPI 47:113-129 '58. (MIRA 13:5)

1. Novocherkasskiy ordena Trudovogo Krasnogo Znameni  
politekhnicheskiy institut im. Sergo Ordzhonikidze, kafedra  
obshchey i neorganicheskoy khimii.  
(Boilers) (Radioisotopes)

TORGASHEV, P.M., vettekhnik (Ramenskiy rayon, Moskovskoy oblasti)

Treating mastitis in swine. Veterinariia 35 no.11:44 N '58.  
(Swine--Diseases) (MIRA 11:11)  
(Mammary glands-Diseases)



117 AND 120 ORDERS

PROCESSES AND PROPERTIES INDEX

120 AND 4TH ORDERS

BC

u 3

Treatment of  $\beta$ -triethylammonium salts with acetone. V. I. Bazarov and I. I. Tomashenko (J. Gen. Chem. Russ. 1954, 23, 1894-1895). Of the two isomers of  $\beta$ -triethylammonium salts, that of m.p. 110-111° reacts with  $\text{CCl}_4$  to give a yield of  $\beta$ -triethylammonium chloride salt, an oil, while the isomer of m.p. 129-131° does not combine with  $\text{CCl}_4$  under the given conditions. Presence of corresponding  $\beta$ -OH groups in the former, but not the latter, case is postulated.

R. T.

ALPHABETICAL LITERATURE CLASSIFICATION

120 AND 4TH ORDERS

USSR/Cultivated Plants. Cereals.

M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77651.

Author : Torgasheva, A. P.  
Inst : Stavropol Scientific-Research Institute of Agriculture.  
Title : Grain Legume Crops in the Zone of Variable Moisture  
in the Stavropol Kray.

Orig Pub: Byul. nauchno-techn. inform. Stavropol'sk. n.-i. in-ta  
s.-kh., 1957, No 3, 25-27.

Abstract: No abstract.

Card : 1/1

KARAYEV, M. F.; TOGASHIN, S. F.

Textile industry and fabrics

Setting up the vasic thread after the method of L. M. Tigalomskaia., Tekst. prom.,  
no. 2, 1952

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

KARAYEV, M.F.; TORGASHIN, S.F.

Textile industry and fabrics

Setting up the basic thread after the method of L. M. Tigalomskaia., Tekst. prom.,  
no. 2, 1952.

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

ZIMOROV, I.A.; TORGASHINA, T.M.

Enlisting students' help in the collection of mollusks for chick  
feed. Biol. v shkole no.3:60-61 My-Je '60. (MIRA 13:7)

1. Kurskiy pedagogicheskiy institut.  
(Poultry--Feeding and feeds)  
(L'gov District--Mollusks)

132

B-I-3

CRACKING OF KEROSENE IN PRESENCE OF VARIOUS CATALYSTS. Z. I. Torgashina. (Abh. Staatsuniv. Saratov, 1936, 1, 29-35). The yields of gaseous and liquid products at 640° in presence of Fe filings, limestone, pumice stone, marl, clay, or sch of bituminous shales were measured. J. J. B.

ASR-35A METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX

AUTOMATIC INDEX

1ST AND 2ND LETTERS

3RD AND 4TH LETTERS

5TH AND 6TH LETTERS

7TH AND 8TH LETTERS

9TH AND 10TH LETTERS

11TH AND 12TH LETTERS

13TH AND 14TH LETTERS

15TH AND 16TH LETTERS

17TH AND 18TH LETTERS

19TH AND 20TH LETTERS

21ST AND 22ND LETTERS

23RD AND 24TH LETTERS

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87TH AND 88TH LETTERS

89TH AND 90TH LETTERS

91ST AND 92ND LETTERS

93RD AND 94TH LETTERS

95TH AND 96TH LETTERS

97TH AND 98TH LETTERS

99TH AND 100TH LETTERS

10

Acetone of 9,10,12-trihydroxystearic acid. V. I. Haslov and Z. I. Torgashina. *J. Gen. Chem. (U. S. S. R.)* 9, 1804-0(1938); cf. *C. A. B.* 4268. —In the condensation of stereoisomeric forms of 9,10,12-trihydroxystearic acid (I) with acetone contg. 3% dry HCl at room temp. for 6 days, l. m. 110°, gave 99% 9,10-isopropylidene-tri-hydroxystearic acid, slightly yellow oil, d<sub>4</sub><sup>20</sup> 0.9652, n<sub>D</sub><sup>20</sup> 1.4811, M. R. 103.87 (calcd. 103.32), white l. m. 139-41°, did not react at all. Hengy, in l. m. 110°, the 9,10-HO groups are spatially situated in a corresponding position and are not in the higher-melting l. Chas. Blanc

COMMON ELEMENTS

COMMON SYMBOLS

OPEN MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

RELATIONS

GROUPS

ALPHABETIC INDEX

USSR/Chemical Technology - Chemical Products and Their Application. Treatment of Natural Gases and Petroleum. Motor Fuels. Lubricants, I-13

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62580

Abstract: the oxidized product of carboxylic acids and aldehydes oxygen content in residue was decreased to 0.21% (as compared with 2.72%) which indicates the low content in the oxidation products of such compounds as alcohols and ethers.

Card 2/2



TOBGASHINA, Z.I.; NAUMCHUK, A.L.

Reaction of vinyl esters with compounds containing mobile hydrogen.  
Part 1. Reaction of vinyl butyrate with esters of malonic acid.  
Zhur.ob.khim. 26 no.12:3353-3355 D '56. (MIRA 10:11)

1. Chernovitskiy gosudarstvennyy universitet.  
(Butyric acid) (Malonic acid)

L h737h-66 EWT(d)/EWT(1)/EWP(v)/T-2/EWP(k)/EWP(h)/EWP(1) WW

4

ACC NR: AP6029071

SOURCE CODE: UR/0413/66/000/014/0128/0129

INVENTOR: Gerlovin, L. I.; Chernovin, N. A.; Averin, V. A.; Nagibin, A. Ya;  
Torgashov, A. I.; Aleksandrovskiy, A. A.; Sigachev, V. P.; Mikhaylovskiy, M. M.;  
Mironov, M. I.

56  
B

ORG: none

TITLE: Valve with a hydraulic or pneumatic piston drive. Class 47, No. 184084  
[announced by the Special Design Office of the Baltic Boiler Building Factory im.  
Sergo Ordzhonikidze (Spetsial'noye konstruktorskoye byuro kotlostroyeniya Baltiyskogo  
zavoda)]

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 128-129

TOPIC TAGS: valve, hydraulic piston drive, pneumatic piston drive, *hydraulic device,*  
*pneumatic device, piston engine* 14

ABSTRACT: The proposed valve with a hydraulic or pneumatic piston drive is designed  
for opening and closing the through flow-section of main and auxiliary pipings. In  
order to synchronize the opening and closing of both pipings, its control piston is  
provided with an annular groove, which, in the open valve position, connects the

Card 1/2

UDC: 621.646.23-82-85

L 47374-66

ACC NR: AP6029071

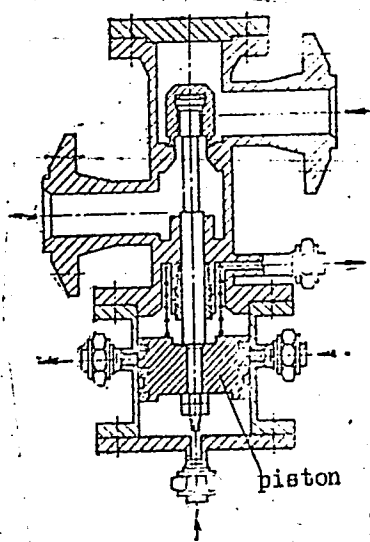


Fig. 1. Piston valve

0

intake and outlet cavities of the auxiliary piping (see Fig. 1). Orig. art. has:  
1 figure.

[AV]

SUB CODE: 21.3/SUBM DATE: 11May65/

Card 2/2 mjs

BLANTER, M.Ye.; GARBUZOVA, N.Ye.; TORGASHOVA, A.G.

Mechanism of the recovery of strain-hardened iron under the  
effect of rapid heating. Metalloved. 1 term. obr. met. no.4:  
22-26 Ap '65. (MIRA 18:6)

1. Vsesoyuznyy zaochnyy mashinostroitel'nyy institut.

TORGMAN, A. I.

"Textbook on Aircraft Piloting", Voenizdat, M., 1947.

TORGMAN, A.I.

Textbook of Aerial Navigation. Voenizdat (1947)

TORGMAN, A. I.

PHASE X TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 752 - X

BOOK

Call No.: AF657727

Authors: SOKOLOV, V. I., Maj. Gen. of Aviation, KUDRYAVTSEV, N. F., GORSHKOV, M. F.,  
KUNITSKIY, R. V., TORGMAN, A. I.

Full Title: AIRCRAFT NAVIGATION (Textbook)

Transliterated Title: Samoletovozhdeniye

PUBLISHING DATA

Originating Agency: None

Publishing House: State Publishing House of the Ministry of Defense of the USSR

Date: 1955 No. pp.: 367 No. of copies: Not given

Editorial Staff: Sokolov, V. I., Maj. Gen. of Aviation

PURPOSE AND EVALUATION: A textbook for aviation schools and for the flying personnel  
of the Air Force. The text is easy to follow. Its value is only instructional.

TEXT DATA

Coverage: The book is presented in an easily accessible form, and is provided with 200  
diagrams and 16 tables. The instruments are shown mostly schematically, and  
are not identified by trademarks. A number of examples of calculation of navi-  
gational data are given.

NOTE: See card for SOKOLOV, V. I. for pages 2-4 of the report.

TSATURYAN, A.T.; SARKISYAN, M.A.; TORGOMYAN, A.Kh.; KARAGEZYAN, A.G.

Role of *Lamblia* in intestinal diseases in children. Zhur.  
eksp. i klin. med. 3 no.3:81-87 '63. (MIRA 17:1)

1. Institut epidemiologii i gigiyeny Ministerstva zdravo-  
okhraneniya Armyanskoy SSR.



KYANDARYAN, K.A., starshiy nauchnyy sotrudnik; TORGOMYAN, G.B.,  
mladshiy nauchnyy sotrudnik

Radiation exposure of the sick and the personnel in some X-ray investigations and in the therapeutic application of radioactive isotopes. Vop. radiobiol. [AN Arm. SSR] 1:41-45 '60. (MIRA 15:3)

1. Iz Sektora radiobiologii AN Armyanskoy SSR, Instituta rentgenologii i onkologii.

(RADIATION PROTECTION)  
(RADIOISOTOPES--THERAPEUTIC USE)

TORGOMYAN, L.T.; NERSESYAN, V.M.

Inheritance of blood groups in man. Zhur. eksp. i klin. med.  
5 no.1:110-114 '65. (MIRA 18:10)

TORGOMYAN, M.S.

Effect of the averaging of monthly consumption on the computed production value of electric energy for an unregulated hydroelectric power station. Izv.AN Arm.SSR.Ser.FMET nauk 6 no.1:91-104 Ja-F '56.

1. Vodno-energeticheskiy institut AN Armyanskoy SSR.  
(Hydroelectric power stations)

TORGOMYAN, M.S., kand. tekhn. nauk; CHILINGARYAN, L.A., kand. tekhn. nauk; SHAKHBAZYAN, Sh.A., kand. tekhn. nauk; AGAKHANYAN, G.A., kand. sel'khoz. nauk; KULOYAN, I.T., kand. tekhn. nauk; ARSHAKYAN, D.T.; BARKHUDAKYAN, I.G.; SARKISYAN, S.G., kand. tekhn. nauk; MKHITARYAN, S.A.; OSEINYAN, A.M., doktor ekon. nauk, prof.; BEK-MAMMARCHEV, B.I., kand. geogr. nauk, red.; AYVAZ'YAN, V.G., otv. red.; FEL'DMAN, M.P., otv. red.; AVETISYAN, A.A., tekhn. red.; CHAKHAIYAN, TS.P., tekhn. red.

[Results of the combined studies of the Sevan problem] Rezul'taty kompleksnykh issledovaniy po Sevanskoi probleme. Erevan, Izd-vo Akad. nauk Armyanskoi SSR. Vol. 3. [Water resources and power engineering] Vodnoe khoziaistvo i energetika. 1962. 330 p. (MIRA 15:11)

1. Akademiya nauk Armyanskoy SSR, Erivan. Institut vodnykh problem.

(Sevan Lake region--Water resources development)

(Sevan Lake region--Power engineering)

TORGOMYAN, M.S.

Characteristics of mountain river water resources from the standpoint  
of power utilization. Izv. AN Arm. SSR. Ser. FMET nauk 8 no.2:75-84  
Mr-Apr '55. (MIRA 8:7)

1. Vodno-energeticheskiy institut Akademii nauk Armyanskoy SSR.  
(Armenia--Hydroelectric power)

TORJOMYAN, T. L., (Physician)

Dissertation: "Role of the Transfusion of an Erythrocytic Mass in the Comprehensive Treatment of Postmalarial Anemia." Cand Med Sci, Yerevan Medical Inst, 26 May 54.  
Kommunist, Yerevan, 13 May 54.

30: SUM 224, 26 Nov 1954

TORGONSKIY, Mikhail Nikolayevich, dots., kand. tekhn. nauk;  
DOROVSKOY, Ivan Mikhaylovich, retsenzent; FEDORENKO, Mikhail  
Fedorovich, retsenzent; LOBACHEV, N.V., red.; PITERMAN, Ye.L.,  
red. izd-va; PARAKHINA, N.L., tekhn. red.

[Principles of construction work] Osnovy stroitel'nogo dela.  
Moskva, Goslesbumizdat, 1961. 221 p. (MIRA 15:3)  
(Construction industry)

*TORGOVITSKAYA, M.S.*

**TORGOVITSKAYA, M.S.**

Case of food toxoinfection. Zhur.mikrobiol.epid. i immun. 28 no.8:  
129-130 Ag '57. (MIRA 11:2)

1. Iz Zaporozhskoy oblastnoy sanitarno-epidemiologicheskoy stantsii  
(FOOD POISONING, case reports,  
(Bus))



*Torgonenko, K. Ye*

NEDOSPASOV, A. V.; TORGONENKO, K. Ye.

The range of low-voltage arc in inert gases. Radiotekh. i elektron.  
2 no.4:494-501 Ap '57. (MLRA 10:9)

1. Moskovskiy elektrolampvyy zavod.  
(Electric discharges through gases)

TORGONENKO, K. YE.

**AUTHOR:** Nedospasov, A.V. and Torgonenko, K.Ye. 109-4-15/20

**TITLE:** The Region of Low-voltage Arc in Inert Gases. (Oblast' nizkovoġtnoy dugi v inertnykh gazakh)

**PERIODICAL:** Radiotekhnika i Elektronika, 1957, Vol.2, No.4, pp. 494 - 501 (USSR).

**ABSTRACT:** In an earlier work [Ref. 1] one of the authors attempted to give the theory of the low-voltage of low-pressure arc discharges. The resulting formulae were not very accurate and did not always agree with the available experimental data (e.g. see Ref.3). A new formula for the electric charge distribution in the low-voltage region of a cylindrical tube of radius  $r_0$  is therefore proposed; the charge density as a function of radial and axial distances (  $r$  and  $z$  ) is in the form:

$$n(r, z) = \dots \quad (5)$$

where  $\mu_a$  satisfies the transcendental equation:

$$\mu J_1(\mu) = \dots \quad (6)$$

in which  $U_p$  and  $U_e$  are the temperatures of ions and electrons (expressed in electron-volts),  $\lambda_D$  is the mean free path of the ions and  $c$  is a dimensionless quantity which can be

## The Region of Low-voltage Arc in Inert Gases.

109-4-15/20

determined from the condition that  $Q$  is equal to the diffusion current at the walls of the tube;  $D_a$  is the diffusion coefficient. Eq.(5) can be used to derive an expression for the axial field in the tube and to determine the length  $D$  of the low-voltage arc. It is shown that:

$$D = \frac{r_0}{\mu_1} \ln \left( \frac{k b_e e_o Q}{b_p i} \right) \quad (8)$$

where  $i$  is the current and  $k = 2\pi c \int_1 (\mu_1) a_1$ .

The low-voltage arc region was also investigated experimentally. The measurements were carried out in three cylindrical tubes (with diameters of 62, 36 and 23 mm) which were fitted with moving disc-shaped anodes; the cathodes were in the form of a small filament which could be heated in order to initiate an arc discharge; one of the tubes was fitted with a moving probe which was used in measuring the diffusion current at the walls. Length of the low-voltage arc was measured in Kr, Ar, Ne and Ar + Hg as a function of pressure  $p$  at a current of 0.3 A Card2/3 (Fig.4). It was found that  $D$  can be expressed as:

The Region of Low-voltage Arc in Inert Gases.

109-4-15/20

$$D = \frac{r_0}{a} \ln \frac{A}{p} \quad (10)$$

where  $a$  and  $A$  are constants. Density of the ion current diffusing to the walls was measured as a function of the distance from the cathode for gas pressures ranging from 2 to 10 mm Hg (Figs. 5 and 7). An experimental curve of the cathode-fall of potential as a function of pressure was also taken (Fig.8). The theory and the experimental data given in this article are only very loosely related.

There are 8 figures and 7 references, of which 6 are Slavic.

ASSOCIATION: Moscow Electric Bulb Plant  
(Moskovskiy Elektrolampovyy Zavod)

SUBMITTED: October 26, 1956.

AVAILABLE: Library of Congress.

Card 3/3

TORGONENKO, Ye.

Transfer to a seven-hour workday and wage regulation in the construction industry. Sots.trnd.5 no.4:51-57 Ap '60. (MIRA 13:9)  
(Construction industry) (Hours of labor)  
(Wages)

TORGONENKO, Ye.

New wage system for line engineering and technical workers in  
construction. Sots. trud no. 7:125-130 JI '58. (MIRA 11:8)  
(Construction industry--Production standards)

NIKITIN, Aleksandr Aleksandrovich; TORGONENKO, Ye.A., otv. red.;  
KUSHKINA, R.I., red. izd-va; MELENT'YEV, A.M., tekhn.red.

[Tables for calculating the wages of construction workers]  
Tablitsy dlia rascheta zarabotnoi platy rabochikh na  
stroitel'stve. Moskva, Gosstatizdat, 1961. 197 p.  
(MIRA 15:7)

(Wages--Construction industry)

*TORGONENKO, Ye. A.*

GAL'PERIN, M.I., inzhener; TORGONENKO, Ye.A., inzhener; DEGTYAREV, A.P.,  
inzhener.

Working frozen ground. Stroi.prom. 32 no.10:14-17 0 '54. (MLBA 7:11)  
(Earthwork) (Frozen ground)



ZPA/SWT(1)/EPA(+) 2/SWT(m)/EPT(c)/EPR Pr-h/Ps-h/Pt-10 BSB/AFWL/  
 ADD. 8  
 NW/JH  
 S/0170/64/000/010/0028/0036

ACCESSION NR: AP4047821

AUTHOR: Kovalev, A. P.; Ippolitov, A. S.; Tergonenko, Yu. M.; Bkhaduri, D.; Chelnokov, N. I.; Shneyder, Yu. R.

B

TITLE: Flame propagation in laminar and turbulent flows

SOURCE: Inzhenerno-fizicheskii zhurnal, no. 10, 1964, 28-36

TOPIC TAGS: flame propagation, laminar flow, turbulent flow, combustion

ABSTRACT: The proposed theory of flame propagation in turbulent flows of mixed gases is based on the assumption that under certain conditions the known differential equation of thermal conductivity is applicable to both laminar and turbulent flows. According to this theory, flame propagation in a turbulent flow may be calculated by taking account of the dependence between the time average parameters of combustion (temperature, concentration, flow velocity, density, and the reaction rate) and the turbulent exchange characteristics,  $E_T/ud$  (where  $E_T$  is the turbulent exchange coefficient,  $u$  is the gas

Card 1/2

L 10405-65

ACCESSION NR: AP4047821

velocity, and  $d$  is the nozzle diameter). On the basis of the concepts of molecular and turbulent thermal conductivity, the total heat

ASSOCIATION: Energeticheskii Inst. ...

TORGONSKAYA, T. I.

ТОРГОНСКАЯ; Т. I

Adaptation of ... from solutions on ... 3/ 4 •

0 11

GUBIN, R., parikmakher (Khar'kov); TORGONSKIY, M. (Krasnoyarsk); SLAVIN, R.

Expert hairdressers write to us. Zhil.-kom. khoz. 13 no.4:21 Ap  
'63. (MIRA 16:5)

1. Starshiy instruktor shkoly parikmacherskogo uchenichestva, Leningrad  
(for Slavin).

(Hairdressing)

TORGONSKIY, Mikhail Nikolayevich, kand.tekhn.nauk; KSENOFONTOV, M.A.,  
retsensent; YEVSTAF'YEVA, N.V., retsensent; LÄRMAN, A.S., red.;  
PITREMAN, Ye.L., red.izd-va; SEITS, V.P., tekhn.red.

[Construction work] Proizvodstvo stroitel'nykh robot. Moskva,  
Goslesbumizdat, 1958. 311 p. (MIRA 13:8)  
(Lumberyards) (Building)

BRATIN, Vsevolod Sergeevich, inzh.; TORGONSKIY, Mikhail Nikolayevich,  
dotsent, kand.tekhn.nauk; PIGULEVSKIY, S.V., retsenzent;  
D'YAKOVA, Ye.I., retsenzent; ZEYEST, M.B., red.; GORYUNOVA,  
L.K., red.izd-va; KUZNETSOVA, A.I., tekhn.red.

[Construction of logging roads and artificial structures]  
Stroitel'stvo lesovoznykh dorog i iskusstvennykh sooruzhenii.  
Moskva, Goslesbumizdat, 1960. 330 p.

(MIRA 14:4)

(Forest roads)

NIKOLAYEV, Aleksey Ivanovich; TORQONSKIY, M.N., redaktor; SHAKHOVA, L.I.,  
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