

MAVRODIN, V.V.; VASIL'YEV, A.A., nauchnyy red.; ROZENFARB, I.Ya., red.

~~and-ya.~~  
[Memorable places in Leningrad Province] Pamiatnye mesta Leningradskoi oblasti. Leningrad, Ob-fo po rasprostraneniuiu polit. i nauchnykh znanii RSFSR, Leningr. otd-nie, 1957. 44 p. (MIRA 11:5)  
(Leningrad Province--Description and travel)

**MAVRODIE, Vladimir Vasil'yevich**

[Economic growth of Russia, the domestic and foreign policy of tsarism at the end of the 17th and during the first half of the 18th century; lectures read at the Leningrad interprovincial quadrennial party school] Ekonomicheski rost Rossii, vnutrenniaia i vneshniaia politika tsarizma v kontse XVII - pervoi polovine XVIII veka; lektsii, pročitannye v Leningradskoi meshoblastnoi chetyrekhgodichnoi partiinoi shkole. Moskva, Vysshiaia partiinaia shkola pri TsK KPSS. Kafedra istorii SSSR, 1957. 67 p.

(MIRA 12:6)

(Russia--Economic conditions)

(Russia--Foreign relations)

PHASE I BOOK EXPLOITATION 866

Mavrodin, Vladimir Vasil'yevich; Sladkevich, Naum Grigor'yevich;  
Shilov, Leonid Aleksandrovich

Leningradskiy universitet; kratkiy ocherk (Leningrad University;  
a Brief Sketch) [Leningrad] Izd-vo Leningradskogo univ-ta,  
1957. 127 p. 3,570 copies printed.

Sponsoring Agency: Leningradskiy universitet.

Ed.: Vostokova, E.S.; Tech. Ed.: Vodolagina, S.D.

**PURPOSE:** This book was written for persons interested in Leningrad  
University and also for persons who are enrolling in the  
University and who desire to obtain concise information about it.

**COVERAGE:** This essay on Leningrad University gives information  
about its history, about the activities of its outstanding

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Leningrad University; a Brief Sketch

866

scientists and professors, and about the lives of statesmen and famous social, literary, and political figures who were educated at the University. Among those listed are Herzen, Chernyshevskiy, Lenin, D.I. Mendeleev, and such scientists as: I.P. Pavlov, (physiology), A.S. Popov (radio), and Lebedev (physics). Famous writers, painters and sculptors are also mentioned. The book describes the faculties, institutes, professorial chairs, laboratories, scientific and publishing activities, and other special features of the University.

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AVAILABLE: Library of Congress (LP4373.M35)

Card 2/2

JP/jmr  
11-24-58

*MAVRODIN, V V*

AUTHOR: Mavrodin, V.V.

12-1-16/26

TITLE: Against the Falsification of the History of Geographical Exploration (Protiv fal'sifikatsii istorii geograficheskikh issledovaniy)

PERIODICAL: Izvestiya Vsesoyuznogo Geograficheskikh Obshchestva, 1958, pp. 81 - 86 (USSR)

ABSTRACT: This is a review of a book on arctic exploration, by K.S. Bagidin, a Hero of the Soviet Union and well known navigator, "The Road to Grumant" (Put' na Grumant) published by the TsK VLKMS " Molodaya Gvardiya" publishing house in 1953. The critic reproaches Bagidin for utilizing falsified reference material and not only of giving wrong historical picture but of influencing other authors. The critic considers the role of the book to be negative: it cannot be approved by Soviet scientists.

There is one Russian reference.

\*) Ancient Russian name of the Spitsbergen Archipelago

AVAILABLE: Library of Congress

Card 1/1

SOV-3-58-8-26/26

AUTHORS: Struve, V.V., Academician; Viatkin, M.P., ~~Mayrodin, V.V.~~  
Predtechenskiy, A.V., Revunenkov, V.G., Professors; Ste-  
fanikhin, V.V., **Docent** ; and Gussyatnikov, P.S., Candidate  
of Historical Sciences

TITLE: Letters to the Editor (Pis'ma v redaktsiyu) To Create the  
Scientific History of the Country's Vuzes (Sozdat' nauch-  
nuyu istoriyu vuzov strany)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 8, pp 95 - 96 (USSR)

ABSTRACT: The authors point out the outstanding role which the coun-  
try's higher educational institutions have played in nat-  
ional and world's science, in training intellectual per-  
sonnel and in developing the country's industrial forces.  
They advocate the writing of a scientific history of every  
vuz and considers this to be a matter of urgency and of  
great educational importance.

Card 1/1

MAVRODIN, Vladimir Vasil'evich.

Russian navigation on southern seas (Black Sea, Azov Sea and Caspian Sea) from ancient times to the last century. Simferopol', Krymizdat, 1955. 178 p.

1. Black Sea - Navigation - Hist.
2. Caspian Sea - Navigation - Hist.
3. Azov, Sea of - Navigation - Hist.

MAYRODIN, V.V., doktor istoricheskikh nauk; MEKHED, G.N., kand.tekhn.nauk

Reviews and bibliography. Vest. AN SSSR 35 no.7:119-126 31 '65.  
(MIRA 18:8)



MAVRODINOV, N.

Diagnostic value of various precordial leads in electrocardiography;  
preliminary communication. Nauch. tr. ISUL, Sofia 2 no.1:221-236  
1953.

1. Katedra po vutreshni bolesti sus surdechno-sudovi saboliavaniia  
Zav. Katedrata: dots. V. Tsonchev.  
(ELECTROCARDIOGRAPHY,  
precordial leads, diag. value.)

MAVRODINOV, N.; TOSKOVA, B.; BOTEV, B., RADULSKA, A.; DOBHEVA, I.

Treatment of hypertension by irradiation of the mesencephalon.  
Suvren.med., Sofia 6 no.3:59-63 1955.

1. Iz katedrata po vutreshni bolesti sus surdechno-sudovi zaboliavania pri ISUL (zav.dots. V.T.Tsonchev), Pengeviiia institut pri ISUL (zav. prof. G.Tenchov) i XVII poliklinika pri SOHS na TST - Sofia.

(HYPERTENSION, therapy

x-irradiation of mesencephalon (Bul))

(RADIOTHERAPY, in var.dis.

hypertension, irradiation of mesencephalon (Bul))

(MESENCEPHALON, eff. of radiations on,

x-rays, ther. of hypertension by mesencephalon irradiation(Bul))

MAVRODINOV, N.; SOKEROV, Khr.; MADZHAROV, G.

Some functional manifestations of hypertension during treatment  
in the health resort of Bianka. Suvrem. med., Sofia 7 no.9:41-48  
1956.

1. Iz III vutreshna klinika pri ISUL (Direktor: dots. V. Tsonchev)  
i sanatoriy No 2-Bankia. (Gl. lekar: D. Kochankov).

(HYPERTENSION, ther.

determ. of physiol. manifest. during & after ther.  
in health resort)

MAVRODINOV, N.; BELOV, IU; MILKOV, Kh.; POPNIKOLGV, S.

Discussion on our experience with patients with heart disease examined by classical clinical methods from the viewpoint of valvulotomy. Suvr. med. 14 no.13-7 '63.

(MITRAL STENOSIS) (RHEUMATIC HEART DISEASE)  
(HEART SURGERY) (HEART CATHETERIZATION)  
(ELECTROCARDIOGRAPHY) (PHONOCARDIOGRAPHY)

SOV/133-59-6-23/41

**AUTHORS:** Protskiy, N.Ye. and Mavrodiy, P.D., Engineers

**TITLE:** Introduction of Cooled Mandrels on a Disc Piercing Mill (Vnedreniye okhlazhdayemykh opravok na diskovom proshivnom stane)

**PERIODICAL:** Stal', 1959, Nr 6, pp 546-550 (USSR)

**ABSTRACT:** On the basis of experience of operation with various designs of water cooled mandrels a new design was developed on the works (Fig 1). Its main features are: comparatively thin nose; internal and external water cooling. The method of fixing the mandrel to the bar and the diagram of the water cooling system are shown in Fig 4 and 5 respectively. The suitability of a number of steels for water cooled mandrels were tested (table 2), the best results (table 3) were obtained with 3Kh2V8 steel and satisfactory results with steels 12KhN3A and 12N3A. Small mandrels can be made satisfactorily by machining stamped semis, forged in accordance with the external shape of the mandrels. The durability of water cooled mandrels on 140 disc piercing mills was 10 to 15 times higher than that of ordinary mandrels. In addition, working conditions of

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SOV/133-59-6-23/41  
Introduction of Cooled Mandrels on a Disc Piercing Mill

mill operators were improved (number of operators decreased by 6 men) and the basis for a complete automation of the mill was presented. There are 7 figures, 3 tables and 3 Soviet references.

ASSOCIATION: Nikopol'skiy Yuzhnotrubnyy zavod  
(Nikopol' Yuzhnotrubnyy Works)

Card 2/2

POLUKHIN, P. I., prof., doktor tekhn. nauk; OSADCHIY, V. Ya., kand.  
tekhn. nauk; GOLUBCHIK, R. M., kand. tekhn. nauk; RYMOV, V. A.,  
inzh.; KIRVALIDZE, N. S., inzh.; YESAULOV, A. T., inzh.;  
GLADKIKH, D. V., inzh.; MAVRODIY, P. D., inzh.

Improving the grooving of roughing rolls of unit 400 plug  
rolling mills. Sbor. Inst. stali i splav. no.40:319-326 '62.  
(MIRA 16:1)

1. Moskovskiy institut stali i Yuzhnotrubnyy zavcd.

(Rolls(Iron mills)) (Pipe mills)

L 43097-66 EWT(d)/EWT(m)/EWP(v)/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) TOP(S) SE/HW

ACC NR: AR6014379 (A,N)

SOURCE CODE: UR/0137/65/000/011/DO37/DO38

AUTHOR: Mavrodiy, P. D.

TITLE: The performance of two- and three-roller reduction stands in Nikopol' Pipe Plant

SOURCE: Ref. zh. Metallurgiya, Abs. 11D265

REF SOURCE: Sb. Materialy Konferentsii po teorii i praktike redutsir. trub. Sverdlovsk, 1965, 170-171

TOPIC TAGS: pipe, metal working machine, metal rolling

ABSTRACT: In the Nikopol' Pipe Plant four reduction stands are installed as part of the pipe manufacturing assembly. Great attention is paid to the perfection of roller calibration to improve the quality of pipes, to decrease in the fraction of re-rolling, and to promote unification. In the construction of new pipe assemblies it is expeditious to install four-roller reduction stands with a combination of driving and idling rollers in each stand. L. Kochenova [Translation of abstract]

SUB CODE: 13

Card 1/1 MLP

UDC: 621.774.35.005



GRINVALD, Clara; GUTENMAHER, I.; MAVROMATI, Elena

Genetic study of wheat-rye hybrids. Studii cerc biol veget 13 no.3:  
369-381 '61.

1. Comunicare prezentata de Al. Priadcencu, membru corespondent al  
Academiei R.P.R.

GRUNWALD, Clara (Bucuresti); MAVROMATI, Elena (Bucuresti)

Organogenesis of the reproductive elements of barley.  
Natura Biologie 15 no. 3: 3-13 My-Je '63.

ZARETSKIY, Il'ya Semenovich, dots. [deceased]; MAVROMATI, Galina Spiridonovna, dots.; YERMOLIN, N.P., doktor tekhn. nauk, prof., red.

[Design of d.c. machines; course design manual] kuzhet elektricheskikh mashin postoiannogo toka; posobie po kursovomu proektirovaniu. Leningrad, 1962. 181 p.  
(MIRA 18:1)

1. Leningrad. Elektrotekhnicheskiy institut. 2. Kafedra elektricheskikh mashin Leningradskogo Elektrotekhnicheskogo instituta (for Z retskiy, Mavromati). 3. Zaveduyushchiy kafedroy elektricheskikh mashin Leningradskogo Elektrotekhnicheskogo instituta (for Yermolin).

*MAKROMATIJS*

MAKROMATI, I. (Ljubljana, Dr. ...)

Usit. ...  
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USSR / Human and Animal Morphology (Normal and Pathological). The Peripheral Nervous System.

S-2

Abs Jour: Ref Zhur-Biol., No 10, 1958, 45515

Author : Mavromati, M. K.  
Inst : Kursk Medical Institute  
Title : The Innervation of the Periosteum of the Bones of the Skull. (Preliminary Information.)

Orig Pub: Sb. tr. Kurskiy med. in-t, 1956, vyp. 11, 74-77.

Abstract: In the innervation of the periosteum (P) of the bones of the skull participate not only branches of the trigeminal nerve, but also branches of the facial nerve and of the cervical plexus. Some nerve branches penetrate into the P spontaneously, others through the thickness of muscles and tendons, and often proceed in a longitudinal direction,

Card 1/2

20

OLARU, Fl., ing.; GRIGORE, Livia, ing.; PETRESCU, Maria, ing.; MAVROMATI, V. ing.

Processing of the sulfurous complex concentrates of heavy  
nonferrous metals in rotating furnaces. Rev. chimie Min.  
petr. 12 no. 8:445-458 Ag'61

TRIANAF, Angela; MAVROMATI, V.; OLARU, Fl.

Modern methods of roasting cuprous concentrates. Rev chimie Min  
petr 13 no.6:334-339 Je '62.

TRIANDAF, Angela; MAVROMATI, V.; OLARU, Fl.

Modern methods of roasting copper concentrates (II). Rev chimie  
Min petr 13 no.7:389-395 J1 '62.



1161952-65 DT(m)/EPT(b)/WP(t)

JD

ACCESSION NR: AP5023458

RU/0003/64/012/011/0657/0664

AUTHOR: Mavromati, V.

14  
B

TITLE: Contributions to the establishment of some characteristics of the technological gases resulting from pyrometallurgical processing in Humanian Non-Ferrous Works

16

SOURCE: Revista de chimie, v. 15, no. 11, 1964, 657-664

TOPIC TAGS: nonferrous metal, metal industry, metallurgic process, gas, industrial waste

ABSTRACT: An analysis of the gases being produced by the pyrometallurgical processing of non-ferrous substances in Rumanian plants leads to the conclusion that while from the point of view of their composition many of these gases can be evacuated directly into the atmosphere, they should in nearly all cases be subjected to a removal of the dust contained in them, either because it is economically advantageous to recover the sub-

POINTS OF VIEW: Orig. Art. Incl.: 0 figures, 1 graph and 20 tables

1/2

L 64952-65

ACCESSION NR: AP5023458

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MM, GC

NR REF SOV: 001

OTHER: 000

JPRS

NC

2/2

HAIKATI, V.

Contributions to the determination of some characteristics of the technological gases and volatile dust resulting from pyrometallurgic processes of the Rumanian nonferrous metalworks. Rev chimie Min part 15 no.11:657-664 N '64.

MAVROV, M.<sup>V.</sup> Cand Chem Sci -- (diss) "Synthesis of  
*GEM-substituted dienes* and their *behavior*  
~~conduct~~  
in a reaction of diene synthesis." Mos, 1958, 14pp  
(Acad Sci USSR. Inst of Org Chem im N.D. Zelinskiy)  
110 copies (KL, 21-58, 88)

- 7 -

AUTHORS: Nazarov, I. N., Mavrov, M. V. 62-58-3-21/39

TITLE: The Dehydration of Vinylcarbinols (Degidratsiya vinilovykh karbinolov)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdelenie Khimicheskikh Nauk, 1958, Vol. Nr 3, pp. 365-366 (USSR)

ABSTRACT: In connection with the systematic investigation of the diene condensation of hem-derivative butadiene (of the kind of 1,1-dimethylbutadiene) the problem of the synthesis of these dienes was formed. Similar dienes can be produced by means of the dehydrogenation of easily accessible vinyl alcohols (of the type I) (see table 1) as well as by means of other unsaturated carbinols. The authors succeeded in working out a catalyst dehydration of unsaturated alcohols (Refs. I-V). It is carried out in the vapor phase on the catalysts. The dehydration of alcohols took place in the Heräus (Gereus) oven with one passage of the alcohols over the corresponding catalyst (see table 2).  
The catalytic dehydration of isopropylvinyl-methylisopro-

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The Dehydration of Vinylcarbinols

62-58-3-21/39

pylvinyl-, diisopropylvinyl-, dimethylallyl-, dimethylpropenyl-, methylisocrotyl- and isopropylpropenylcarbinols were systematically investigated. New methods for the production of hemdimethylbutadiene substituents were found.

There are 3 tables and 3 references, 1 of which is Soviet.

**ASSOCIATION:** Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute for Organic Chemistry imeni N. D. Zelinskogo, AS USSR)

**SUBMITTED:** October 15, 1957.

Card 2/2

AUTHORS: Nazarov, I.N. (Deceased), Mavrov, M.V. SOV/79-28-11-36/55

TITLE: Diene Condensations of the Hem-Substituted Butadienes. I  
(Diyenovyye kondensatsii gem-zameshchennykh butadiyenov. I)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol 28, Nr 11, pp 3061-3071 (USSR)

ABSTRACT: As far as there is always one of the alkyl groups in hem-substituted dienes in the cis-position it was of interest to investigate systematically its behaviour in the reaction of the diene synthesis. The 1,1-dimethyl-, 1,1,4-trimethyl- and 1,1,4,4-tetramethyl butadiene were selected as hem-substituted dienes. First, the synthesis of the two latter was carried out. In the catalytic dehydration of the compound (III) on zirconium dioxide and pumice easily separable mixtures of (IV) and (V) were quantitatively obtained at about the same ratios (Scheme 1). Compound (VI) was obtained by the dehydration of the isopropenyl carbinol in the same way (Scheme 2). In contrast to the result obtained by Bacon (Bacon-Ref 3) (VI) and (VII) (60% : 40%) were formed. The compounds (IV), (VI) and 1,1-dimethyl butadiene with maleic anhydride yielded only amorphous polymer products. The use of methacrylate, acrylonitrile, crotonic aldehyde for diene condensations requires more accurate temperature conditions. Thus, (IV) yields the adduct (X) only at 250-260°, in a yield of

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Diene Condensations of the Hem-Substituted Butadienes. I

SOV/79-28-11-36/55

20-30 %. In the condensation (IV) with crotonic aldehyde (XIV) was separated. On heating the 1,1-dimethyl butadiene with acrylonitrile an adduct mixture of (XV) and (XVI) is formed (Scheme 4), and by its condensation with crotonic aldehyde the adduct (XIX) is formed. Thus, the diene condensations of 1,1-dimethyl- and 1,1,4,4-tetramethyl butadiene take place under the previous isomerization of the dienes into the 1,3-dimethyl- and 1-isopropyl-3-methyl butadiene. On a heating of (VI) with methyl acrylate the compounds (XXII) and (XXIII) are obtained. There are 17 references, 8 of which are Soviet.

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

SUBMITTED: November 2, 1957

Card 2/2

SOV/20-120-1-22/63

**AUTHORS:** Nazarov, I. N., Member, Academy of Sciences, USSR (Deceased),  
Mavrov, M. V.

**TITLE:** On the Dien-Alter-Condensation of Geminal Substituted Butadienes  
(O diyenovykh kondensatsiyakh gem-zameshchennykh butadiyenov)

**PERIODICAL:** Doklady Akademii Nauk SSSR, 1958, Vol. 120, Nr 1,  
pp. 86 - 89 (USSR)

**ABSTRACT:** The question of the entrance of the mentioned butadienes into the dien-alter-synthesis was open until very recently. Opinions on such a possibility differ. The authors chose for the purpose of determining such kinds of condensation the most simple compounds such as: 1,1-dimethyl-(I), 1,1,2-trimethyl-(II), 1,1,3-trimethyl-(III), 1,1,4-trimethyl-(IV), some 1,1-dimethyl-2-isopropyl-(V)-butadiene and di-isocrotyl (VI). As dienophiles, malein-anhydride, acrylonitrile, metacrylate and croton-aldehyde (figure 1) were used. The I-, IV- and VI- dienes under different conditions of temperature, durations of reaction, solvents etc. produced only polymeric products. The 1,1-dimethyl-2-isopropyl-

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On the Dien-Alder-Condensation of Geminal Substituted 30V/20-120-1-22/63  
Butadienes

-(V)-butadienes as well as the 1,1,2-trimethyl-(II) with malciane hydride (at 100° for 15 hours) form adducts of a yield of 70 and 40% respectively. Further investigations showed that the compounds obtained comply with the adducts of the isomeric form of initial dienes. The use of dienophiles less reactive than malciane hydride requires harder temperature conditions. Thereby an ample number of polymer is formed from the dienes I, IV, and VI, whereas the condensation products show a yield of only 15-30%. It was possible to feed into the reaction all dienes already studied (table 1). The structure of the obtained compounds as well as the progress of the above mentioned reactions is explained. It was ascertained that 1,1-dimethyl-butadiene and di-isocrotylene enter into the dien-synthesis only after a preceding isomerization of 1,3-disubstituted dienes. They form no sort of normal condensation adducts. The 1,1,2-trimethyl, 1,1,4-trimethyl and 1,1-dimethyl-2-isopropyl-butadienes apart from the adducts of isomeric forms from also normal products of dien synthesis. Only 1,1,3-trimethyl-butadienes normally enters the mentioned synthesis reaction. There are 1 table and 5 references.

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On the Dien-Alder-Condensation of Geminal Substituted SOV/20-120-1-22/63  
Butadienes

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii  
nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy,  
AS USSR)

SUBMITTED: December 21, 1957

1. Butadienes--Chemical reactions    2. Organic compounds--Synthesis

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5(3)

**AUTHORS:** Nazarov, I. N., Mavrov, M. V. SOV/62-59-3-14/37

**TITLE:** Investigation of Dehydration of Isomeric Hexenols (Issledovaniye degidratatsii izomernykh geksenovykh spirtov)

**PERIODICAL:** Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 3, pp 472-483 (USSR)

**ABSTRACT:** In the course of intense investigation of the diene synthesis with endsubstituted dienes it was tried in the present study to obtain the simplest representative of this class, the 1,1-dimethylbutadiene. One of the methods of production of this diene is the dehydration of unsaturated hexene alcohols: isopropylvinyl-(I), dimethylallyl-(II), dimethylpropenyl-(III), and methylisocrotyl-(IV)-carbinol. As far as the three latter are concerned the publications available contain an ample but highly contradictory material. It was possible in the present paper to carry out the dehydration of (I) in the vapor phase on aluminum phosphate or zirconium dioxide which were deposited on pumice stone. The investigation results are given in table 1. Both catalysts yielded about the same result: The yield of conjugated dienes (V)-(VII) was 60-70 %, temperature and the transmission rate exerted no noticeable influence upon

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Investigation of Dehydration of Isomeric Hexenols

SOV/62-59-3-14/37

the distribution of the hydrocarbons. Only the degree of conversion of (I) was affected. The dehydration of (II) yielded on the same catalysts also mixtures of dienes (V)-(VII), but in a different ratio. On the dehydration of (III) and (IV) on zirconium dioxide a hydrocarbon was obtained which proved to be nearly pure 1,3-dimethylbutadiene (VII). In interpreting the results obtained it is to be considered that first the dehydration may take place in any possible direction, secondly, that during the dehydration an isomerization of the intermediate carbonium ions readily takes place under the displacement of hydrogen or the double bond; and finally, the isomerizing effect of the catalyst which is accompanied by a displacement of the hydrogen and the double bond, must also be taken into account. In order to guarantee a normal dehydration such conditions have to be established under which isomerization both of the carbonium ions and the resulting diene-hydrocarbons would be impossible. In the present paper also the pyrolysis of isopropylvinylcarbinol-(VIII)-acetate, which can easily be obtained by acetylation with acetic anhydride, was investigated. As was to be expected the pyrolysis of (VIII) proceeded normally and only

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Investigation of Dehydration of Isomeric Hexenols

SOV/62-59-3-14/37

1,1-dimethylbutadiene (V) was formed. There are 3 tables and 29 references, 10 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences, USSR)

SUBMITTED: June 24, 1957

Card 3/3

5. (3)

## AUTHORS:

Nazarov, I. N., Mavrov, M. V.

SOV/62-59-6-18/36

## TITLE:

Structural Orientation of the Condensation of 1,1,3-Trimethylbutadiene (Strukturnaya napravlennost' kondensatsii 1,1,3-trimetilbutadiyena)

## PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 6, pp 1068 - 1070 (USSR)

## ABSTRACT:

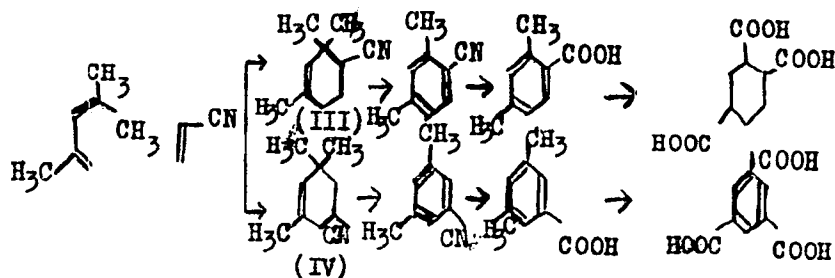
By a previous investigation (Ref 1) of the institute mentioned in the Association it has been shown that the compound mentioned in the title (I) with unsymmetrical dienophiles forms a mixture of structure isomers. The present investigation was to determine the orientation of the reaction of (I) with the most simple dienophiles. This reaction is often dealt with in publications. (Refs 2-11). In the course of the investigations there were only the ortho-isomers found, all attempts to discover also other possible isomers failed. By synthesis of 1,1,3-trimethylbutadiene with acrylonitrile, which synthesis lasted for 2 hours and was carried out at 220°, the authors succeeded in obtaining an adduct - yield 75% - which consisted in a mixture of the cyclic nitriles (III) and (IV) meta-isomers ~ 3.5%

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Structural Orientation of the Condensation of  
1,1,3-Trimethylbutadiene

807/62-59-6-18/36



The above-mentioned mixture was dehydrated by means of a Cr<sub>2</sub>O<sub>3</sub>/Al<sub>2</sub>O<sub>3</sub> catalyst at 480° in nitrogen current. Aromatic nitriles were obtained. By treating them with caustic soda, and by subsequent recrystallisation of the acid mixture a pure 2,4-dimethylbenzoic acid could be produced. When further treating this under pressure with nitric acid a mixture of trimellitic- and trimesic acid in a ratio of 3:2 was obtained. Thus, the investigation dealt with by the present paper, besides the ortho-isomers, for the first time also lead to the meta-iso-

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**Structural Orientation of the Condensation of  
1,1,3-Trimethylbutadiene**

SOV/62-59-6-18/36

mers from the reactions described. In the experimental part the condensation and production of the different compounds mentioned are described in detail. There are 16 references, 5 of which are Soviet.

**ASSOCIATION:** Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences, USSR)

**SUBMITTED:** October 15, 1957

Card 3/3

5 (3)

## AUTHORS:

Nazarov, I. N. (Deceased), Mavrov,  
M. V.

SOV/79-29-1-27/77

## TITLE:

Diene Condensations of Gem-substituted Butadienes (Diyenovyye kondensatsii gem-zameshchennykh butadiyenov). II. 1, 1, 2-Trimethyl Butadiene (II. 1, 1, 2-Trimetilbutadiyen)

## PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 4,  
pp 1158-1168 (USSR)

## ABSTRACT:

The synthesis of 1,1,2-trimethyl butadiene (II) was first described by Y. R. Naves (Refs 2, 3). He assigned the structure of a meta-isomer to the affiliation product in the condensation of (II) with croton aldehyde (Ref 3). This conclusion was in contradiction with the assumed laws governing the structural orientation of the diene synthesis. The diene (II) was obtained according to scheme 1. The formation of 2-isopropyl butadiene (III) was also to be expected according to Vagner-Zaytsev. By dehydrating (I) Naves and Ardizio (Ref 2) obtained a compound (melting point 104-108°) which was regarded as the diene (II). The authors, however, found by the dehydration of the carbinol (I) on potassium bisulfate, magnesium sulfate etc. that the reaction

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Diene Condensations of Hem-substituted Butadienes.

DOV/79-29-1-27/77

## II. 1,1,2-Trimethyl Butadiene

product consists of a mixture of the two possible isomers (II) and (III) (30-40 % of diene II). The structure of (II) and (III) was confirmed by the oxidation with permanganate. (II) could not be obtained in any other way. Diene (II) isomerized in the diene synthesis partially into the dienes (III) and (VI) (Scheme 2). For comparison the diene condensations of these three isomers were therefore investigated. The diene (VI) was synthesized according to scheme 3. Thus the syntheses of the dienes (II), (III) and (VI) were devised and their diene condensations with maleic anhydride, croton aldehyde and methyl acrylate investigated. On the condensation of diene (II) with methyl acrylate and croton aldehyde in addition to ordinary addition products (20-40 %) also adducts of the isomeric dienes (III) and (VI) were obtained. On the condensation of diene (II) with maleic anhydride primarily an adduct is formed which corresponds to the diene (VI). The diene condensations of diene (III) with croton aldehyde and of (VI) with acrylonitrile yielded a mixture of adducts containing 20-25 % and 5-7 % of the meta-isomers, respectively. There are 7 references, 2 of which are Soviet.

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Diene Condensations of Hem-substituted Butadienes.  
II. 1,1,2-Trimethyl Butadiene

SOV/79-29--27/77

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

SUBMITTED: March 3, 1958

Card 3/3

5 (3)

AUTHORS:

Nazarov, I. N. (Deceased), Mavrov,  
M. V.

SOV/79-29-4-2P/77

TITLE:

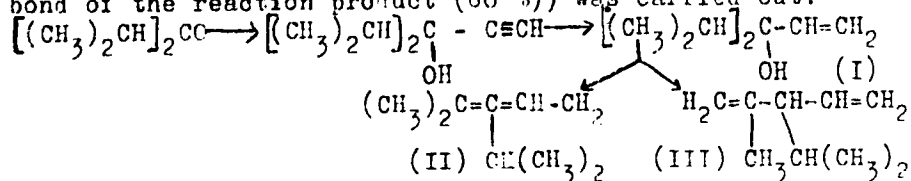
Diene Condensation of Hem-substituted Butadienes (Diyenovyve kondensatsii gem-zameshchennykh butadiyenov). II. 1,1-Dimethyl-2-isopropyl Butadiene (III. 1,1-Dimetil-2-izopropilbutadiyen)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 4, pp 1169-1175 (USSR)

ABSTRACT:

In the systematic investigation of diene condensations with heminal dienes also the behavior of 1,1-dimethyl-2-isopropyl butadiene-1,3 (II) was investigated. In order to obtain this diene the dehydration of diisopropyl vinyl carbinol (I) (obtained by the condensation of diisopropyl ketone with acetylene and subsequent partial hydrogenation of the triple bond of the reaction product (60 %)) was carried out:



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Diene Condensation of Hem-substituted Butadienes.

SOV/73-29-4-28/77

III. 1,1-Dimethyl-2-isopropyl Butadiene

The formation of the dehydration product (I) unexpectedly proceeded in a far more complicated way. In the dehydration via distillation on potassium bisulfate as well as on zirconium dioxide in the vapor phase the carbinol (I) yielded a mixture (1 : 3) of (II) and (III) which were separated by fractional distillation. The position of the double bonds in (II) and (III) was determined by investigation of their oxidation products. By the ozonization of the diene (III) the authors separated formaldehyde, and while acetone and isobutyric acid were separated by the oxidation of the diene (II) with permanganate. The fraction boiling at 130-132.5°, however, which corresponds to the expected diene (II) seems to contain an impurity of the other possible isomer (VI) which might be formed by the isomerization of the hydrocarbon (III) (Scheme 4) as indicated by the spectroscopic investigation. For the investigation of the diene condensations of diene (II) maleic anhydride, acrylnitrile, methyl acrylate, and croton aldehyde were used as previously (Ref 3) (Scheme 5). On the condensation with acrylnitrile and methyl acrylate in addition to the normal products of diene

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Diene Condensation of Hem-substituted Butadienes.  
III. 1,1-Dimethyl-2-isopropyl Butadiene

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synthesis (up to 35 %) the corresponding adduct  
1,3-dimethyl-2-isopropyl butadiene-1,3 is formed. There are  
4 Soviet references.

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

SUBMITTED: March 3, 1958

Card 3/3



KUCHEROV, V.F.; KUZNETSOVA, A.I.; MAVROV, M.V.; ALEKSEYEV, Ye.F.

Chemistry of polyenic and polyacetylenic compounds. Report  
No.3:  $\gamma$ -oxyacetylene- and vinylacetylenecarboxylic acids  
and some of their transformations. Izv.AN SSSR.Otd.khim.nauk  
no.3:484-490 Mr '62. (MIRA 15:3)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.  
(Acetylene compounds)

MAVROV, M.V.; KUCHEROV, V.F.

Chemistry of polyene and polyacetylene compounds. Report No.7:  
Hydration of unsaturated acetylenic alcohols. Izv.AN SSSR.Otd.  
khim.nauk no.7:1267-1275 J1 '62. (MIRA 15:7)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.  
(Unsaturated compounds) (Hydration)

MIRONOV, V.A.; MAVROV, M.V.; YELIZAROVA, A.N.

Substituted cyclopentadienes and related compounds. Part 1:  
1,3-Dimethylcyclopentadiene. Zhur.ob.khim. 32 no.6:2723-2731  
Ag '62. (MIRA 15:9)

1. Institut organicheskoy khimii AN SSSR imeni N.D. Zelinskogo.  
(Cyclopentadiene)

MIRONOV, V.A.; MAVROV, M.V.; YELIZAROVA, A.N.

Substituted cyclopentadienes and related compounds. Part 3:  
3,5- and 2,4-Dimethylcyclopentenes. Zhur.ob.khim. 32 no.8:2739-  
2742 Ag '62. (MIRA 15:9)

1. Institut organicheskoy khimii AN SSSR imeni N.D. Zelinskogo.  
(Cyclopentene)

MAVROV, M.V.; KUCHEROV, V.F.

Cyclization of methyl ester of  $\alpha$ -propionyllevulinic acid.  
Izv. AN SSSR. Ser. khim. no. 1:164-166 Ja '64. (MIRA 17:4)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

MAVROV, M.V.; KUCHEROV, V.F.

Chemistry of polyene and polyacetylene compounds. Report No.10: Con-  
densation of 1-bromo-2,3-dimethyl-2-penten-4-yne with a sodium malonic  
ester. Izv.AN SSSR.Ser.khim. no.9:1653-1660 S '64.

(MIRA 17:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

MAVROV, M.V.; KUCHEROV, V.F.

Synthesis of esters of stereoisomeric 4,5-dimethyl-2,4-heptadien-6-ynoic acid. Izv. AN SSSR. Ser. khim. no.3:546-548 '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

L 64172-65 EWP(m)/EPF(c)/EWP(j)/EWA(c) EM.

ACCESSION NR: AP5019777

UR/0062/65/000/007/1237/1241

547,362

13  
12  
B

AUTHOR: Derzhinskiy, A. R.; Mavrov, M. V.; Kucherov, V. F.

TITLE: Chemistry of polyene and polyacetylene compounds. Report No. 17. Hydroxy-carboxylic acids of the biacetylene series and their chemical transformations



SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 7, 1965, 1237-1241

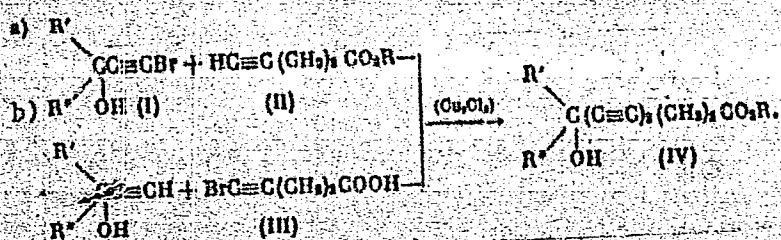
TOPIC TAGS: diacetylenic hydroxycarboxylic acid, dihydromatricaric ester, polyacetylene compound, polyunsaturated compound

ABSTRACT: Various diacetylenic hydroxycarboxylic acids of the types of (IV) were synthesized in order to study their physiological activity and to use them for the preparation of more complex polyunsaturated compounds related to natural ones. The authors used the following general scheme of synthesis based on the condensation of acetylenic alcohols or their bromo derivatives (I) with methyl 4-pentynoate (II) or 5-bromo-4-pentynoic acid (III):

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64-72-65

ACCESSION NR: AP5019777

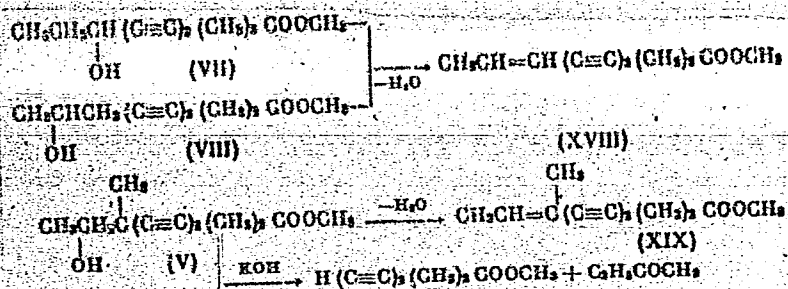


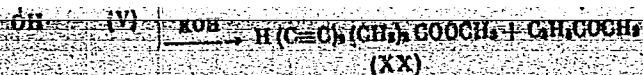
The yield of the condensation products is strongly affected by the amount of cuprous chloride employed. The data show that it is convenient to use methyl 4-pentynoate

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ACCESSION NR: AP5019777





On heating in the presence of KOH, (V) is degraded into methyl ethyl ketone and methyl 4,6-heptadiynoate (XX), an important starting material for the synthesis of various natural polyynes. The synthetic procedures employed are described. Orig. art. has: 1 table and 3 formulas.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR  
(Institute of Organic Chemistry, Academy of Sciences SSSR)

SUBMITTED: 20Jan64

ENCL: 00

SUB CODE: 00

OTHER: 013

SUBMITTED: 20Jan69

CLASS: CC

NO REF SOV 001

OTHER: 013

Card 3/3 *gll*

MAVROV, M.V.; DERZHINSKIY, A.R.; KUCHEROV, V.F.

Reaction of inner-molecular cyclization of vinylacetylenic systems. Izv. AN SSSR. Ser. khim. no.8:1460-1462 '65.

(MIRA 18:9)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

MAVROV, M.V.; KUCHEROV, V.F.

Synthesis of methyl ester of 4-bromo-2,3-butadienoic acid. Izv.  
AN SSSR. Ser. khim. no.8:1494-1495 '65. (MIRA 18:9)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

MAVROV, M.V.; KUCHEROV, V.F.

Chemistry of polyene and polyacetylene compounds. Report No.11:  
Intramolecular cyclization of vinylacetylene derivatives. Izv.  
AN SSSR. Ser. khim. no.10:1820-1827 O '64. (MIRA 17:12)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

DERZHINSKIY, A.R.; MAVROV, M.V.; KUCHEROV, V.F.

Synthesis of acids of the polyacetylene series. Izv. AN SSSR.  
Ser. khim. no. 3: 544-546 '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.



MAVROV, Todor; FILIPOV, Angel, inzh.

Training of the personnel of the Maritsa-Iztok I Thermo-  
electric Plant for work with new machines and equipment.  
Elektroenergiia 13 no.5/6:50-51 My-Je '62.

1. Direktor na Topoelektricheskata tsentrala "Maritsa-  
Iztok I" (for Mavrov). 2. Gl. inzhener na Topoelektricheskata  
tsentrala "Maritsa-Iztok I" (for Filipov).

MAVROV, ZH.

A case of aortic aneurysm in the region of Valsalva's sinus.  
Suvrem.med., Sofia no.9/10:194-197 '59.

1. Iz Obedinenata gradska bolnitsa - gr. Iambol. Glaven lekar:  
D. Kuppenov.

(AORTIC ANEURYSM case report)

RUSEV, K.; MAVROV, Zh.

Unusual case of tuberculosis of the nasal mucosa. Khirurgia, Sofia  
13 no.6:611-612 '60.

1. Iz Obedinenata gradska bolnitsa, Iambol.  
(TUBERCULOSIS case reports)  
(NOSIS dis)

DISHLIEV, B.; MAVROVA, M.

A case of multiple foreign bodies in the intestines. Khirurgia,  
Sofia 13 no.7/8:711-712 '60.

1. Iz Klinikata po fakultetska khirurgia i Instituta po rentgeno-  
logia i radiologia pri VMI "I.P.Pavlov" Plovdiv.  
(INTESTINES for.bodies)

**MAVRUDCHIEV, B.**

The Upper Oligocene intrusions in the Madaharovo ore district.  
Gedishnik: biol 52 no.2:251-300 '57/'58 [publ. '59].

BOIANOV, Iv.; MAVRUDCHEV, B.

~~MAVRUDCHEV, B.~~  
Paleogenic magmatism in the Northeastern Rhodope Mountains.  
Godishnik biol 54 no.2:113-158 '59/'60 [publ. '61].

VERGILOV, V.; KOZHUKHAROV, D.; MAVRUDCHIEV, B.

Notes on the Western-Rhodopean batholith and its contact cover.  
Izv Geol inst BAN 9:153-196 '61.

VERGILOV, V.; KOZHUKHAROV, D.; BOIANOV, Iv.; MAVRUDGHIEV, B.; KOZHUKHAROVA, E.

Notes on the Propleozoic metamorphic complexes in the Rhodopean  
Massif. Izv Geol inst BAN 12:187-211 '63.



MAVRUDCHILV, B.

Petrology of the basaltic andesites of the Krasnodar region.  
Gosizdatk. 1952. 27 p. (Izv. Gosizdatk. 1952. 10).

MAVRYCHEV, S.N., inzh.

Power dissipated in the heating of a transformer. Elek. sta.  
36 no.9:82-83 S '65. (MIRA 18:9)

MAVYYEV, O. A.:

MAVYYEV, O. A.: "Intraossal anesthesia in operations on the extremities (the clinical course and antitoxic functions of the liver)". Ashkhabad, 1955. Turkmen State Medical Inst imeni I. V. Stalin. (Dissertation for the Degree of Candidate of Science of Medical Sciences)

SO: Knizhnaya Letopis', No. 41, 8 Oct 55

MAVYYEV, O.A., kand.meditsinskikh nauk

Case of hemorrhagic necrosis of the pancreas. Zdrav. Turk. 4 no.4;  
37 JI-Ag '60. (MIRA 13:9)

1. Iz kafedry gosptal'noy khirurgii (zav. - prof. I.F. Berezin)  
Turkmenskogo gosudarstvennogo meditsinskogo instituta im. I.V. Stalina.  
(PANCREAS...DISEASES)

MAVYEV, O.A., kand.med.nauk

Clinical and anatomical parallels in appendicitis. Zdrav. Turk.  
4 no.6:15-19 N-D '60. (MIRA 14:1)

1. Iz kafedry gosital'noy khirurgii (zav. - chlen-korrespondent  
AMN SSSR prof. I.F. Berezin) Turkmenskogo gosudarstvennogo meditsinskogo instituta imeni I.V. Stalina.  
(APPENDICITIS)

MAVYEV, O.A., kand.med.nauk

Combination of cancer of the stomach and carcinoid of the appendix.  
Zdrav. Turk. 5 no.5:37-38 S-0 '61. (MIRA 14:12)

1. Iz kafedry gospiatal'noy khirurgii (zav. - chlen-korrespondent  
AMN SSSR prof. I.F.Berezin) Turkmenskogo gosudarstvennogo meditsinskogo instituta imeni I.V.Stalina.  
(STOMACH--CANCER) (APPENDIX (ANATOMY)--TUMORS)

MAVYYEV, O.A., kand.med.nauk

Constricted abdominal hernia in the presence of an abscess of the ileocecal region of appendicular origin. Zdrav. Turk. 5 no.6:26  
N-D '61. (MIRA 15:2)

1. Iz kafedry gosptal'noy khirurgii (zav. - chlen-korrespondent  
AMN SSSR prof. I.F.Berezin) Turkmenskogo gosudarstvennogo meditsin-  
skogo instituta.

(HERNIA)

(ABDOMEN—ABSCESS)

MAVIYEV, O.A., kand.med.nauk

Rupture of the ovary and acute appendicitis. Zdrav. Turk.  
7 no. 3:30-32:Mr:63. (MIRA 16:6)

1. Iz kafedry gosptal'noy khirurgii (zav. - chlen-korrespondent AMN SSSR, prof. I.F.Berezin) Turkmenskogo gosudarstvennogo meditsinskogo instituta i Ashkhabadskoy gorodskoy bol'nitsy No.1 imeni N.I.Semashko (glavnyy vrach G.V.Bondar').  
(OVARIES--RUPTURE) (APPENDICITIS)



MAVYYEVA, G.

Solar System, Meteors and Meteorites (2324)

Izv. AN Turkm. SSR, No 5, 1953, p 95

Mavyyeva, G.

"Daily Variation of the Hourly Number of Meteors According to Observation in Ashkhabad from 1942 to 1945"

The results of this study are presented in tabular form. The data was obtained by visual observation of the zenith region of the sky.

SO: Referativnyy Zhurnal--Astronomiya i Geodeziya, No 1, Jan 54, No 2, Feb 54;  
(W-30785, 28 July 1954)

MAVZHUDOV, A.A.

Caucasian nettle *Celtis caucasica* Willd. and prospects for its  
cultivation in Uzbekistan. Uzb. biol. zhur. 6 no.2:34-36 '62.  
(MIRA 15:4)

1. Botanicheskiy sad AN UzSSR.  
(UZBEKISTAN--NETTLES)

MAVSHINOV, A.A.

Characteristics of the growth of *Salix L.* in young age.  
Dob. Biol. zhurn. 9 no. 1: 39-41 '65. (MIRA 18:6)

1. Botanicheskly sad AN UzSSR.

MAVZHUDOV, A.A.

Caucasian Celtis species in nature. Vop.biol.i kraev.med. no.3:  
86-91 '62. (MIRA 16:3)

(CAUCASUS--HACKBERRY)

MAVZHUDOV, A.A.

Hackberry reproduction by seeds. Vol. 1. biol. i kraev. med.  
no.4:206-209 '63. (MIRA 17:2)

MAVZHUDOV, A.A.

Representatives of the genus *Celtis* L. in Tashkent. Uzb. biol.  
zhur. 7 no.3:32-37 '63. (MIRA 16:9)

1. Botanicheskiy sad AN UzSSR.

MAVZYUTOV, L.Kh. (Aksubayev, Tatarskaya ASSR)

Two-stage method for the collection and transfusion of preserved blood  
in a rural district hospital. Kaz. med. zhur. no.4:81-82 J1-Ag '61.

(MIRA 15:2)

(BLOOD\_COLLECTION AND PRESERVATION)

(BLOOD\_TRANSFUSION)

MAVZYUTOV, L.Kh., aspirant

Diagnosis of endarteritis of the vessels of the extremities  
and its treatment with cholinomimetic preparations. Kaz. med.  
zhnr. 4:18-21 JI-Ag'63 (MIRA 17:2)

1. Kafedra obshchey khirurgii (zav. - prof. V.N. Shubin) i  
tsestral'naya nauchno-issledovatel'skaya laboratoriya Kazan-  
skogo meditsinskogo instituta.



*MAX, H*

MAX, H.

A comparative analysis of the economic feasibility of plans.

p. 40 (Budownictwo Przemyslowe) Vol. 4, no. 1, Jan. 1955, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

MAX H.

MAX, H.

The problem of an analytic evaluation of the economic merits of projects.

p. 27 (Budownictwo Przemyslowe) Vol. 4, no. 6, June, 1955, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

MAXA, Jan

Farewell to Tatra motor trucks leaving for Russia. Automobil  
6 no.12:358 D '62.

ACCESSION NR: AF 500607

AUTHOR: Konecny, D. (Docent, Engineer, Doctor of sciences); Maxa, J. (Engineer) 28

TITLE: Physical analysis of plane flow by a fluid through contour grills

SOURCE: Letnary. Vyzkumny a zkusebni letecky ustav. Zpravodaj VZLU, no. 2, 1964,  
3-8

TOPIC TAGS: plane flow, contour grill, cascade, subsonic flow, supersonic flow, gas stream, energy transfer, stream deflection, shock wave

ABSTRACT: On the basis of the law of conservation of energy, the authors studied the  
characteristics of curved blades and classified the

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L. 29687-65

ACCESSION NR: AP500285

but is a direct transmission of energy from the streams uniform rotary motion. If a super-  
sonic flow decelerates within the grill to subsonic velocity, a discontinuity of

Card # 1581

MAXA, MIROSLAV

FEISHHANS, Bohuslav, Dr.; NEUMANN, Miroslav, Dr.; KLIMA, Jaroslav, Dr.;  
BARTA, Vladimir, MUC; KVASHICKA, Vladimir, MUC; MAXA, Miroslav, MUC

Chronic bronchitis and pulmonary emphysema in farmers. Cas. lek.  
cesk. 94 no.7:158-163 11 Feb 55.

1. Interni oddeleni OUNZ ve Slanem; primar MUDr Bohuslav Fleischhans  
(OCCUPATIONAL DISEASES  
bronchitis & pulm. emphysema in agriculture)  
(AGRICULTURE  
bronchitis & pulm. emphysema in farmers)  
(EMPHYSEMA, PULMONARY  
in agricultural workers)  
(BRONCHITIS  
in agricultural workers)

FLEISCHMANS, Boh.; BARTA, Vlad.; KVASNICKA, Vlad. MAXA, Mir.

Data on the electrocardiographic diagnosis of right ventricular hypertrophy in cor pulmonale. Cas. lek. cesk. 98 no.10:299-304  
6 Mar 59.

1. Interni oddeleni Okresniho ustavu narodniho zdravi ve Slanem,  
primar MUDr. Bohuslav Fleischmans.

(PULMONARY HEART DISEASE, diag.

ECG in right ventric. hypertrophy in chronic pulm.  
heart dis. (Cz))

(ELECTROCARDIOGRAPHY, in various dis.

right ventric. hypertrophy in chronic pulm. heart  
dis. (Cz))

(CARDIAC ENLARGEMENT

ECG in right ventric. hypertrophy in chronic pulm.  
heart dis. (Cz))

MAXA, P. - Vol. 3, no. 10, Oct. 1953. ZA SOCIALISTICKOU VEDU A TECHNIKU

Method of improving the standard of living. p. 409.

Shortcomings in introducing new methods in the building industry; a contribution to a discussion. p. 433.

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



MAXA, P.

Ensuring scientific progress in the development of mechanization in building. p. 109.

Vol. 3, no. 4, April 1954 (Mechanisace)  
INZENYRSKE STAVBY  
Praha, Czechoslovakia

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

MAXA, P.

Subjects covered by the editing plan of the State Publishing House of Technical Literature for 1954. p. 251.

Vol. 3, no. 7, July 1954 (Mechanisace)  
INZENYRSKE STAVBY  
Praha, Czechoslovakia

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

MAXA, P.

Industrializing building by standardization. p. 321.

Vol. 3, no. 10, Oct. 1954. (Mechanisace)  
INZENYRSKE STAVBY  
Praha, Czechoslovakia

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

MAXA, P.

Principle trends in the development of the mechanization of construction. p. 393.

Vol. 3, no. 12, Dec. 1954 (Mechanisace)  
INZENTRSKE STAVBY  
Praha, Czechoslovakia

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