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Lunar Radio Emissions at 1.63 cm Wavelength,
by M. R. Zelinskaya, V. S. Troitskiy,
L. I. Fedoseyev, 5 pp.

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Centenary of the Birth of Academician, by N. D.
Zelinskiy, A. A. Balandin, 4 pp,

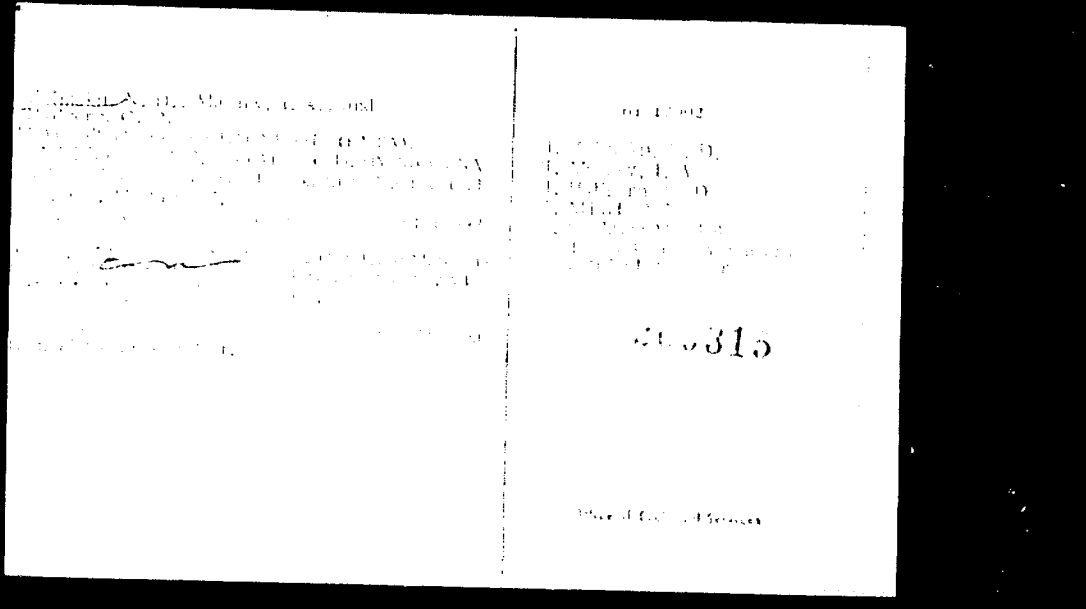
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Zelinski, N. D. and Halpern, G. D.
 INVESTIGATION OF THE PRESSURE FROM THE
 MOSCOW OIL DEPOSIT, COMMUNICATION 3,
 CORRECTED DATA REGARDING THE COMPOSITION
 OF THE CAROTENE-TERPENE FRACTIONS, 13p.
 H refs. MWL: 275
 Order from OIS of ITC \$1.85 61-17990

Trans. of Acad. Sci. USSR, Otdelenie khimicheskoi
 nauki, 1957, No. 5, p. 310.

Translated from Russian, English, Miscellaneous,
 Analytical, 1957, Translation, 1 only 18.

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- I. Zelinski, N. D.
- II. Halpern, G. D.
- III. MWL: 275
- IV. Stichting N.V. Oijk
 Tergrootdijk, Waterloop-
 pelijk Bureau

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Office of Technical Services

Zelinskii, N. D., Arbuzov, Yu. A., and Batuev, M. I.
CONTACT ISOMERIZATION OF 1-OCTENE AND
INVESTIGATION OF THE ISOMERIZATION PROD-
UCTS BY THE COMBINATION SCATTERING SPEC-
TRAL METHOD. [1961] 6p. 8 refs.
Order from OTS or SLA \$1.10

61-18198

Trans. of [Akademiya Nauk SSSR]. Comptes Rendus
(Doklady) de l'Academie des Sciences de l'U. R. S. S.,
1945, v. 46, p. 150-153.

DESCRIPTORS: *Octenes, Molecular isomerism,
Catalysis, Spectrographic analysis, Hydrocarbons.

Isomerization of 1-octene was studied at 450° in the
presence of beryllium oxide and at 400° in the presence
of silica gel. In the first case methylheptenes were
mainly formed. These were hydrogenated and the prod-
uct subjected to Raman spectroscopy, whereby
4-methylheptane, 3-methylheptane and some 2-methyl-
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18198

I. Zelinskii, N. D.
II. Arbuzov, Yu. A.
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CONTACT ISOMERIZATION OF CYCLOHEPTENE.
[1961] Sp. 13 refs.
Order from OTS or SLA \$1.10 61-18165

Trans. of [Akademiya Nauk SSSR]. Comptes Rendus
(Doklady) de l'Academie des Sciences de l'U. R. S. S.,
1944, v. 45, p. 19-21.

DESCRIPTORS: *Cycloheptenes, *Molecular isomerism,
Hydrocarbons.

Isomerization of cycloheptene was effected at 400 and
a rate of flow of 5 g per hour through a reaction tube
15 mm in internal diameter, in which a 50-cm long
layer of silica gel was contained. Data obtained upon
hydrogenation of the product revealed that the principal
product was a mixture of cyclopentene derivatives
among which the 1, 2-dimethyl derivative prevailed.
Formation of 1-methylcyclohexene as an intermediate
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18165

- I. Title: Contact conversion
- I. Zelinskii, N. D.
- II. Arbuzov, Yu. A.

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<p><u>Zelinski, N. D.</u> CONTACT PHENOMENA CHANGING THE CHEMICAL NATURE OF HYDROCARBONS. [1961] 14p. 60 refs. Order from OTS or SLA \$1.60 61-18075</p> <p>Trans. of mono. Trudy Sessii Akademii Nauk SSSR po Organicheskoi Khimii (Transactions of the Organic Chemistry Session of the Academy of Sciences of the USSR) Dec 36, Moscow-Leningrad, 1939, p. 5-24.</p> <p>DESCRIPTORS: Catalysts, Hydrogenation, Dehydrogenation, Hydrocarbons, Heptanes, Pentanes, Methanes, Octanes, Ethylenes, Gasoline, Dissociation, Synthesis.</p> <p>(Unannounced)</p>	<p>61-18075</p> <p>I. Zelinski, N. D. II. Title: Transactions ... III. Title: Organic ...</p> <p>Office of Technical Services</p>
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CONTACT CONVERSIONS OF 1,3-CYCLOHEXADI-
ENE AND 1,4-CYCLOHEXADIENE. [1961] 7p.
17 refs.

Order from OTS or SLA \$1.10 61-18891

Trans. of Akademiya Nauk SSSR, Otdelenie Khimi-
cheskikh Nauk. Izvestiya, 1945, p. 486-491.

DESCRIPTORS: *Cyclohexadienes, Chemical reactions
Beryllium compounds, *Oxides, Catalysts, Catalysis,
Hydrogenation, Cyclohexenes, Methyl radicals, Cyclo-
pentenes, Cyclopentanes, Cyclohexanes, Benzenes,
Hexanes, Pentenes, Pentanes, Raman spectroscopy.

Contact conversions of two cyclohexadienes were stud-
ied in the presence of beryllium oxide at 400°. The
principal products from 1,3- and 1,4-cyclohexadiene,
respectively are as follows: benzene, 65 and 82 mole
per cent; methylcyclopentene isomers, 28 and 12 mole
(Chemistry--Organic, TT, v. 6, no. 10) (over)

61-18891

I. Zelinski, N. D.
II. Arbutov, Yu. A.
III. Batuev, M. I.

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Zelinski, V. A.

THE FUNCTIONAL STATE OF THE ARTERIAL SYSTEM IN PATIENTS WITH HYPERTENSIVE DISEASE. [1963] [18]p. 16 refs. FASEB manuscript no. S 402-2.

Order from OTS or SLA \$1.60

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Trans. of Terapevticheski Arkhiv (USSR) 1962, v. 34, no. 10, p. 20-26.

DESCRIPTORS: *Arteries, *Hypertension, Heart, *Blood circulation, Velocity, Blood vessels, Atherosclerosis, Diagnosis.

The tone of arteries of hypertensive patients was studied by measuring the pulse wave velocity and examining the radiographic shadow of the aorta. The pulse wave velocity was measured from the carotid to the femoral artery, from the brachial to the radial, (Biological Sciences--Pathology, TT, v. 10, no. 9)
(over)

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- I. Zelinski, V. A.
- II. FASEB S-402-2
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

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ZELINSKIY, N. D.

Condensing Action of Methylene Radicals on ~~Ethylene~~
Ethylene, by Ya. T. Eydus, N. D. Zelinskiy, N. I. Ershov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LX, No 4,
1948.

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Zelinskii, N. D. and Kozlov, N. S.
DECOMPOSITION OF NATURAL AND SYNTHETIC
RUBBER IN THE PRESENCE OF ALUMINUM
CHLORIDE. [1961] 8p 8refs
Order from OJS, SLA, or ETC \$1.10 TT-61-16813

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR)
1933. v. 6, [no. 1] p. 36-44.

DESCRIPTORS: *Rubber, *Synthetic rubber, De-
composition, Aluminum compounds, Chlorides,
Hydrocarbons, Polymerization.

(Engineering--Chemical, TT, v. 11, no. 3)

TT-61-16813

I. Zelinskii, N. D.
II. Kozlov, N. S.

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Thermal Decomposition of Cyclohexanes, bt N. D. Zelinskiy, B. M. Mikhailov, et al. 9 pp.
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 4,
1934, pp 856-865.
OTS-TT-61-16969
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N. D. Zelinskiy

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Obtaining Styrene by Catalytic Dehydrogenation
of Ethyl Benzene, by A. A. Balandin, N. D. Balinshii,
G. M. Marukova, O. K. Bogdanova, 30pp
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 14,
1941, No 2, pp 161-172
SIA TT-65-10044

97 G. Zelinski

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June 67

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New Syntheses of Hydrocarbons Involving Carbon Monoxide, by B. D. Zelinskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LX, No 2,
1948, USSR, pp 235-237.

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Irreversible Catalysis of Unsaturated Cyclic Hydrocarbons. IV. Contact Transformation of α -Pinene, a Contribution to the Knowledge of Dihydropinene, by N. D. Zelinski;

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GERMAN, por, Bericht, Vol LVIII, 1925, pp 864-869.

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On the Catalytic Hydrocondensation of Carbon
Monoxide With Olefins. I. Hydrocondensation
of Carbon Monoxide With Ethylene, by
Ya. T. Kadis, E. D. Zelinski, K. V. Puzitski,
7 pp. Y R Y Y

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1949, p 110.

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