

Amination of Butyl Alcohol over Iron
Catalysts in Presence of Hydrogen Under
Pressure, by Yu. D. Kagan, A. N. Bashkirov,
G. A. Kliger, 5 pp.

RUSSIAN, per, Iz Ak Nauk
SSSR, Otdel Khim Nauk, No 3, 1961,
pp 468-473.

CB

200, 655

Sci
Apr 62

10 529

US-14

A. N. BASHKIROV

Oxidation of olefins in the liquid phase in the presence of
boric acid

Doklady Akad. Nauk SSSR, 128, No. 6, 1175-1178 (1959)

ATS-16M39R, \$ 6.00 - English

E u r a t o m

TT-64-10706

Bashkirov, A. N., Shaikhudinov, E. M., and
Gilyarovskaya, L. A.
LIQUID-PHASE OXIDATION OF MONOMETHYL SUB-
STITUTED PARAFFIN HYDROCARBONS IN THE
PRESENCE OF BORIC ACID. [1963] 6p 9refs
Order from OTS, SLA, or ETC \$1.10 TT-64-10706

Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1963,
v. 148 [no. 6] p. 1309-1311. (Abstract available)

DESCRIPTORS: *Alkanes, Hydrocarbons, Liquids,
*Oxidation, *Alcohols, Synthesis (Chemistry), *Boric
acid, Esterification.

Oxidation of 2-Me-dodecane and of 8-Me-pentadecane
was carried out with a N-O₂ mixture (containing
3.0 - 3.5% O₂), under atmospheric pressure, at
165 - 170°, and for a duration of 3-4 hrs. To prevent
oxidation beyond the alcohol stage, H₃BO₃ was added
(Chemistry--Organic, TT, v. 11, no. 9) (over)

1. Title: 2-Methyl dodecanols
2. Title: 8-Methyl
pentadecanols
- I. Bashkirov, A. N.
- II. Shaikhudinov, E. M.
- III. Gilyarovskaya, L. A.

Office of Technical Services

Bashkirov, A. N. and Karavaev, N. M.
A NEW METHOD OF ISOLATION OF STYRENE
FROM CRUDE BENZOL. [1961] 6p. 24 refs.
Order from OTS or SLA \$1.10 61-18188

Condensed trans. of Akademiya Nauk SSSR. Otdelenie
Khimicheskikh Nauk. Izvestiya, 1944, p. 763-772.

DESCRIPTORS: *Styrenes, Separation, Chlorination,
Chlorides, Benzene.

A method of isolation of styrene is proposed, which is
said to have passed the laboratory stage of study. It
consists in treating the fraction 135-150° of crude
benzol with a 15 per cent solution of sodium hydroxide
and then with a per cent sulfuric acid. The product, free
of phenols and basic compounds, is then chlorinated,
and since dichlorostyrene boils at 233-234°, it can
easily be separated from the xylenes by distillation.
after which dichlorostyrene is dechlorinated at 170°
with bog iron ore, reduced at 500-550° with hydrogen
or other reducing gases. The yield of dichlorostyrene
(Chemistry--Organic, TT, v. 6, no. 6) (over)

61-18188

I. Bashkirov, A. N.
II. Karavaev, N. M.

Office of Technical Services

Bashkirov, A. N. and Nikolaev, A. G.
RAPID METHOD OF DETERMINATION OF SULFUR
IN GASOLINE. [1961] [1]p. 1 ref.
Order from OTS or SIA \$1. 10

61-16930

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1943, no. 9/10, p. 68-69

DESCRIPTORS: *Gasoline, Chemical analysis.
*Sulfur, Determination, Combustion

(Materials--Fuels, TT. v. 6, no. 6)

61-16930

1. Bashkirov, A. N.
II. Nikolaev, A. G.

Office of Technical Services

61-15501

Bashkirov, A. N., Kamzolkina, Ye. V., and
Kagan, Yu. B.
CATALYSTS IN THE DECOMPOSITION OF CARBON
MONOXIDE. [1961] 4p. 1 ref. DSIR Trans. NT771;
M. 2388.
Order from OTS or SLA \$1.10

61-15501

Trans. of Nauchnyye Doklady Vysshey Shkoly. Khimiya;
Khimicheskaya Tekhnologiya (USSR) 1959, no. 1,
p. 162-165.

DESCRIPTORS: *Carbon compounds, *Monoxides,
Decomposition, *Catalysts.

(Chemistry--Physical, TT, v. 6, no. 2)

- I. Bashkirov, A. N.
- II. Kamzolkina, Ye. V.
- III. Kagan, Yu. B.
- IV. DSIR NT-771
- V. DSIR LLU M. 2388
- VI. Department of Scientific
and Industrial Research
(Gt. Brit.

Office of Technical Services

Reactions of Iron Carbides under the Conditions of
the Fischer-Tropsch Synthesis, by Yu. B. Kryukov,
A. N. Bashkirov, L. G. Liberov, 6 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol I, No 2,
1960, pp 274-281.

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Reaction Kinetics of Carbon Monoxide in the Presence
of Iron Catalysts, by Yu. B. Kagan, A. N. Bashkirov,
E. V. Kamzolkina, A. Ya. Rozovskiy, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 12,
1959, pp 2706-2711.

Cleaver-Hume Press

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Sep 60

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Synthesis of Higher Ketones by Liquid-Phase Oxidation
of Secondary Alcohols, by A. E. Bashkirov, M. M.
Potarin, V. V. Kamzolkin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 1,
pp 93-96.

Consultants Bureau

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Sci
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Composition of Alcohols Formed by Liquid
Phase Oxidation of n-Paraffinic Hydrocarbons,
BY A. N. Bashkistrov, V. V. Kamsolkin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX
No 4, 1958, pp 705-707.

ATB-74944R

Sci.
Vol. IV, No 11
Jun 62

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The Mechanism of Synthesis of Hydrocarbons From
Carbon Monoxide and Hydrogen, by A. N. Bashkirtsev,
K. B. Kryukov, Y. B. Kagan, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXI, No 6,
1949, pp 1029-1031.

ATB-RJ21

Sci - Chem

Jun 59

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Contribution to the Problem of the Liquid-Phase
Oxidation of Paraffinic Hydrocarbons, by A. N.
Baahkirov, V. V. Kamzolkin, K. M. Sokova, T. P.
Andreyeva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
Mosc, 1958, No 1, 1958, pp 149-.

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Sci - Chem

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Liquid-Phase Oxidation of Olefins in the Presence of
Boric Acid, by A. N. Bashkirov, Shiman Pal, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 6,
1959, pp 1175-1178.

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On the Composition of the Ketones Formed During
the Liquid-Phase Oxidation of n-Paraffinic Hydro-
carbons, by V. V. Kamzolkin, A. N. Bashkirov, K. M.
Sokova, T. P. Andreyeva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII,
No 5, 1959, pp 956-959.

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Synthesis of Ethanol From Carbon Dioxide and
Hydrogen, by A. N. Bashkirov, V. V. Kamsolkin,
4 pp.

RUSSIAN, per, Dok, Ak Nauk SSSR, Vol CXVIII, No 2,
1958, pp 293-296.

Consultants Bureau

Sci - Chem

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Composition of the Products in the Synthesis of
Amides from Carbon Monoxide, Hydrogen, and Ammonia,
by A. M. Bushkirov, et al.

RUSSIAN, per, Izvest Ak Nauk SSSR, Otdel Khim
Tech, No 4, 1958, pp 504-506.

Assoc Tech Serv RJ-1392
" " " 22K26R

Sci - Chem

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Synthesis of Higher Ketones by Oxidation of Paraffinic
Hydrocarbons, by V. V. Kuzolkin, A. M. Bashkurov,
M. M. Potarin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 6, 1959,
pp 1286-1288.

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Consultants Bureau

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The Mechanism of Synthesis of Hydrocarbons From Carbon
Monoxide and Hydrogen, by A. N. Bashkirov, *ET AL.*

4th ed. 1949
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXVII, No 6, 1949,
pp 1029-1031.

Tech. Sv
3 Assoc Services
RJ-21

Scientific - Chemistry

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\$4.25 (~~\$1.75~~)

Study of Iron-Catalysts Prepared on a Bauxite
Base in the Synthesis of Hydrocarbons From CO and
H₂, by A. N. Bashkirov, et al.

RUSSIAN, no per, Khim i Tekh Topliva, No 12,
1956, pp 12-17.

Tech and Comm
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Sci - Chem
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Study of the Thermal and Chemical Activation of
Talcum-Catalysts at the Synthesis of CO and H₂, by
by A. M. Bashkirov, ~~Moscow~~.

RUSSIAN, no per, Khim i Tekh Topliva, No 10, 1956,
pp 32-36.

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Sci - Chem
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Transformations of Butane Under the Conditions
of Synthesis from CO and H₂ Over Fused Iron
Catalysts, by Yu. B. Kryukov, A. N. Bashkurov,
V. K. Butyugin, L. G. Liberov, H. D. Stepanova,
3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1958, pp 642-643.

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Oxidation of Iron Catalysts with Steam on the
Synthesis of Hydrocarbons, by A. N. Eashkirov,
~~et al~~, 10 pp.

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Vol Iv, pp 151-158, AF-672132. / Encl to IR-1081-56,
25 Jan 1956, CIA D-399740. AFOIN-1A1

AF-723254

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Scientific - Fuels

Apr 56

The Use of Differential Thermocouples for Kinetic
Determinations, by A. N. Bashkirov. UNCLASSIFIED

Y. B. Kagan
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 3, 1948, pp 329-338.

ID ~~647242~~ 647242

AEC Tr 144

DRB T.10.R. - CIA D16723

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Scientific - Physics

Liquid-Phase Oxidation of Alkylbenzenes in
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by A. N. Bashkirov, E. S. Alenteva.
RUSSIAN, per, Neftekhimiya, Vol 4, No 4,
1964, pp 593-598.
SLA TT-66-10643

A. N. Bashkirov

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Jul 66

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The Catalytic Activity of Some Natural Siliceous Minerals and Particularly of Kieselguhr, Used as a Catalyst in the Synthesis of Hydrocarbons from Carbon Monoxide and Hydrogen, by A. N. Bashkurov, F. I. Novak, S. M. Loktev, V. V. Kamzolkin, 6 pp.

RUSSIAN, no per, Khim i Tekh Topliva, No 3, 1956, pp 38-43, Encl to IR-1906-56, AFOIN-1A1.

AF 1068459 43,446

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The Composition of Synthetic Hydrocarbons
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Catalysts, by A. N. Bashkirov, S. M. Loktev,
M. I. Khotenskaya, 16 pp.

RUSSIAN, no per, Khim i Tekh Topliva, 1956, No 5,
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AF 1068459

Sci - Fuels
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The Oxygen-Containing Compounds Formed
During the Synthesis of Hydrocarbons from
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Catalyst, by A. N. Bashkirov, M. I. Khotimskaya
and N. A. Orlova, 84 pp.

Full tr

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Vol CVI, No 1, 1956, p 65.

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Bashkirov, A. N. and Kistanova, A. I. LIQUID PHASE OXIDATION OF NAPHTHENIC HY- DROCARBONS IN THE PRESENCE OF BORIC ACID. [1960] 3p. Order from ATS \$5.00 ATS-86M43R Trans. of Akad[emiya] Nauk SSSR. Doklady, 1960, v. 131, no. 4, p. 827-829. (Chemistry--Organic, TT, v. 5, no. 5)	61-12321 I. Naphthalenes--Oxidation I. Bashkirov, A. N. II. Kistanova, A. I. III. ATS-86M43R IV. Associated Technical Services, Inc., East Orange, N. J. Office of Technical Services
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Synthesis of Higher Aliphatic Alcohols From CO
and H₂, by A. N. Bashkurov, Yu. B. Kagan, L. I.
Zvondkina, 3 pp.

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No 3, pp 525-527. Jul/Aug 1956

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SLA - K - 1172

The Study of the Synthesis of Hydrocarbons From
Carbon Monoxide and Hydrogen Over a Kieselguhr
Catalyst, by A. N. Basmalov, S. M. Loktev, 5 pp.

RUSSIAN, no per, Khim i Tekh Topliva, No 4, 1956,
pp 7-12, Encl to IR 1956-56, AFON-1A1.

Tech Comm En. 60.00

AF 1068459

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Sci - Fuels
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4 (5) IR-1956-56

Catalytic Activity of Silicon Dioxide in Synthesis
Based on Carbon Monoxide and Hydrogen, by A. N.
Bashkurov, S. M. Loktev,

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No 5, 1955, pp 947-948.

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Aug 1956

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Bashkirov, A. N.
SYNTHESIS OF HIGHER ALCOHOLS OF THE ALI-
PHATIC SERIES BY THE METHOD OF DIRECT
OXIDATION OF PARAFFIN HYDROCARBONS.

[1960] 15p.

Order from ATS \$28.80

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Trans. of Khim[icheskaya] Nauka i Prom[yshlennost']
(USSR) 1956, v. 1, no. 3, p. 273-281.

61-12669

1. Alcohols--Synthesis
2. Hydrocarbons--Oxidation

I. Bashkirov, A. N.

II. ATS-39M47R

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Services, Inc., East
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Office of Technical Services

(Chemistry--Organic, TT, v. 5, no. 7)

A New Synthesis of Aliphatic Amines, by A. R. Danilov,
Yu. B. Kagan, G. A. Kliger, 4 pp.

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No 6, Jul/Aug 1956, pp 774-776.

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Sci - Chem

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The Reaction of Organic Sulfur Compounds With a
Reduced Iron Contact Catalyst, by A. N. Bashkirov,
N. I. Barabanov.

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Aug 1956

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Sci - Chemistry

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Aug 54

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CIA ~~1506-56~~ 550423

AF 1017806

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Sep 56 GTS

In the Role of Oxygen-Containing Compounds in the
Synthesis of Hydrocarbons From Carbon Monoxide and
Hydrogen, by Yu. B. Kagan, Y. B. Kryukov, D. V.
Kamshol'kova, A. N. Bashkurov, 28 pp.

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Sub-zero Treating of Cutting Tools, by I. E.
Leguntsov, B. Ya. Bakhirev.

RUSSTAN, per, Vest Mash, Vol XXVII, No 8, 1947.

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Scientific - Engineering
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A Generalization of Fedorov's Stereohedra Method,
by N. M. Bashkurov, 6 p.

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Sov Phys-Crystal
Vol. IV, No 4

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Stimulated Radio Frequency Signal Amplifier Using
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K. A. Valiev, SN. SN. Bashkirov, 2 pp.

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Feb 59

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Theory of the Acoustic Paramagnetic Resonance in
Crystals Containing Ions of the Iron Group, by
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No 6, 1958, pp 1465-1469.

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Hard Metals Production; Technology and
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S. I. Bashkirov.
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Pergamon Press, London
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Sci-122M
May 66

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Bashkirov, V. and others.
FOR THE GLORY OF THE BELOVED FATHERLAND
[AND] ON THE AIR ROUTES OF THE SEVEN-YEAR
PLAN. 15 Dec 60 [17]p. (7 illus. omitted).
MCL-367/1+2.
Order from LC or SLA m\$2.40, ph\$3.30 61-19454

Trans. from Sovetskaya Aviatsiya (USSR) 1959,
no. 198(3368) p. 4.

Seven propagandistic statements by Soviet aviation
personalities are presented: the first six are in honor
of USSR Air Fleet Day. Passenger transport service
and facilities are discussed in the seventh statement.

(Engineering--Aeronautical, TT, v. 5, no. 12)

61-19454

1. Aviation personnel--USSR
2. Civil aviation--USSR
- I. Bashkirov, V.
- II. MCL-367/1+2
- III. Technical information
Center, Wright-Patterson
AFB, Ohio
- IV. Title: On...

Office of Technical Services

Bashkirova, G. M. and Krasikov, P. N.
EXPERIMENTS IN STUDYING CERTAIN SUBSTANCES
AS REAGENTS IN CRYSTALLIZATION OF SUPER-
COOLED FOG. [1961] 19p. 7 refs.
Order from OTS or SLA \$1.60

61-14923

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad]. Trudy (USSR) 1957, no. 72[134]
p. 118-126. Also available from LC or SLA mi\$3.90,
pb\$10.80 as part of 60 23874, F-TS-9918/V, Mar 60
[69]p.

DESCRIPTORS: *Ice, *Fog, *Ice fog, *Artificial
precipitation, Iron compounds, Silicon compounds,
Zinc compounds, Dioxides, Oxides, Sulfides,
Crystallization.

(Earth Sciences--Frost TT, v. 6, no. 4)

61-14923

I. Bashkirova, G. M.
II. Krasikov, P. N.

Office of Technical Services

WINTER PRECIPITATIONS INDUCED BY ITALIAN ANTINAIL
ROCKETS, BY NEEDOCDONKESJANUCSDONKIN
B. G. M. DRONKINA, M. A. KHNHACI, 7 PP.

RUSSIAN, BK. TRUDY GLANDY GEDYIZ ODSERV INENI
A. I. VOYEYKINA, Z NO 126, 1962, PP 3-7.

JPS 18696

SCI - EARTH SCI - ASTRON

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Some Data From Observations of the Shapes of
Snowflakes, by G. M. Bashkova, T. A. Pershina.

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Vol CXIX, No 57, 1956, pp 19-35. *CITATION*

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Aug 58

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G. M. BASHKIROVA

On the Mass of Snow Crystals and Their Fall
Velocity, by G. M. Bashkirova

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NTC 71-16510-04B

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Comparative Activity of Yeast Strains
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in the Production of Liquid Yeasts, by I. M.
Roiter, N. I. Berzina, R. S. Bashirova, et al,
4 pp.

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pp 595-599.

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The Trilonometric Determination of Aluminum,
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The Composition and Nature of the Clays in
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(11-2007/21)
~~Hand-Machines for the Coal Mines of the~~
Ukraine, by A. I. Bashkov, 9 pp.

RUSSIAN, per, Ugol' Ukrainy, No 3, 1959. pp 2-6.

JPRS-1798-N

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Bashlavin, L.
THE PROBLEM OF THE ACCURACY OF URBAN
LEVELING OPERATIONS. Trans. on Soviet Geodesy
1925-40. 17 Mar 61 [3]p. JPRS: R-118-N/21.
Order from LC or SLA mi\$1.80, ph\$1.80 61-19143

Trans. of Geodest (USSR) 1940 [v. 16] no. 7,
p. 71-72.

(Unannounced)

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1. Urban areas
2. Geodesics--Theory
- I. Bashlavin, L.
- II. Title: Soviet...
- III. JPRS-R-118-N/21
- IV. Joint Publications Research
Service, New York

Office of Technical Services

Multiple Pulley for Putting Tension on Measuring Wires
Used in the Measurement of the Length of the Sides
of a Polygonometric Traverse, by L. A. Bashlavin.

RUSSIAN, *Trudy Moskov Inst Inzhenerov Geodezii,*
Aerofoto'm'yani, i Kartografi, Vol XXVII, 1957,
pp 45-51.

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Sci. - Engr.

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Polarographic Determination of Zinc in Granulated
Slags after Separation by Contact by L. F.
Bashkova, 5 pp.

RUSSIAN, per, Zhur, Prikl Khim, Vol XXXIII, No 11,
1960, pp 2471-2474.

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Sep 6i

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SCALE OF 1:50,000. Trans. on Soviet Geodesy
1925-40. 3 Mar 61 [6]p. JPRS: R-113-N/62.
Order from LC or SLA mf\$1.80, ph\$1.80 61-19082

Trans. of Geodezist (USSR) 1935 [v. 11] no. 11,
p. 72-75.

(Unannounced)

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- II. Title; Soviet ...
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