

(NY-1530)

Development of Chemical Industry During the Sixth
Five-Year Period, by A. P. Milovanov, 9 pp.
UNCLASSIFIED

RUSSIAN, bimo per, Khim Nauka i Prom, Vol I I,
No 1, Moscow, 1956, pp 3-7.

US JPRS/NY-L-80

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Sci - Chem
May 58

62,577

The New Method for Preparing Viscose Solutions,
by E. M. Mogilevskiy.

RUSSIAN, per, Khim Nauka i Prom, Vol I, No 1,
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Assoc Tech Sv
\$14.75 Tr RJ-798
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Sci - Chemistry
Aug 57

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Ways of Using Organophosphorus Compounds, by B. A.
Arbuzov

Full tr

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CIA/FDD Sum 1015

Sci - Chemistry , ~~ENX~~ Chemical warfare
SIR No 8

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Air Classification of Finely Ground Materials,
by A. M. Polotskiy. UNCLASSIFIED

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pp 199-204.

Co-Op Tr Scheme 503

Sci - Chem
Dec 58

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Development of the Synthetic Organic Materials
Industry, by V. P. Bibishev, 10 pp.

RUSSIAN, bimo per, Khim Nauk i Prom, Vol I,
No 3, 1956, pp 242-247. Encl to IR-1041-57,
AFON-1A1.

AF 1071924

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Sci - Chemistry

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Synthesis of Higher Alcohols of Fatty Series by
Method of Direct Oxidation of Paraffinic Hydro-
carbons, 24 pp,

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CIA/PED XX-400
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chemistry
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ATS - 29M47R
ATS - RJ - 2904
OTS - TT - 64 - 10101

USIB INTERNAL USE ONLY

96,513

61-10974

Kruzhalov, B. D. and Sergeyev, P. G.
PRODUCTION OF PHENOL AND ACETONE FROM
ISOPROPYL BENZENE. [1961] 20p. 35 refs.
Order from LC or SLA mi\$2.40, pi\$3.30 61-10974

Trans. of Khimicheskaya Nauka i Promyshlennost'
(USSR) 1956, v. 1, no. 3, p. 287-297.
Another translation is available from ATS \$28.50 as
ATS-90M42R [1960] 20p.

A review of data published in the foreign press
(American, Canadian, etc.) on the simultaneous pro-
duction of phenol and acetone indicates that this
method is valued by the industry as perhaps the most
promising and profitable method for the production of
these products.

100/c per memo 14 Dec 60

(Chemistry--Organic, TT, v. 5, no. 12)

- 1. Phenol--Synthesis
 - 2. Acetone--Synthesis
 - 3. Benzenes--Chemical reactions
1. Kruzhalov, B. D.
II. Sergeyev, P. G.

*ATS 90M42R
ATS/RT-2486
148752*

Office of Technical Services

Status and Perspectives for the Development of the
Polyethylene Industry, by N. M. Yegorov, 14 pp.

RUSSIAN, per, Khim Nauk i Prom, Vol I, No 3, 1956,
pp 312-316.

ATIC F-TS-9104/III

Sci Chem

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Oct 57

Adsorption in Fluidised Bed, by P. G. Romankov,
V. N. Lepilin, E. S. Nemit, 20 pp.

RUSSIAN, per, Khim Nauka i Prom, Vol I, 1956,
pp 317-324.

AWRE Tr-13

NLL M. 2830

Sci - Chem
Jan 62
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A Continuous Process for the Saponification of
Boric Esters of the Higher Fatty Alcohols With
Simultaneous Extraction and Regeneration of the
Boric Acid, by N. I. Gal'perin, K. N. Solopenkov.
UNCL

RUSSIAN, per, Khim Bank i Prom, Vol 1, No 3,
1956, pp 324-331.

DBIR LIU RTE: 1036

20s. Od.

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Sci - Chem
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Methods and Economics of Obtaining Acetylene, by
H. P. Fedorenko, 17 pp. UNCLASSIFIED

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No 3, Moscow, 1956, pp 337-344.

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Sci - Chem
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62-14912

Larionov, L. F.
ETHYLENE OXIDES. [1962] 5p. [refs. omitted].
Order from OTS or SLA \$1.10 62-14912

I. Larionov, L. F.

Partial trans. (p. 440-442) of Khimicheskaya Nauka
i Promyshlennost' (USSR) 1956, v. 1 [no. 4]
p. 433-442.

DESCRIPTORS: *Ethylene oxide, *Cancer, *Chemo-
therapeutic agents, Drugs

(Biological Sciences--Pharmacology, TT, v. 8, no. 7)

Office of Technical Services

Modern Methods of Separating Rare Earths, by I. N.
Znoserskiy et al.

RUSSIAN, per, Khim Mash i Prom, Vol I, No 5, 1956,
pp 512-517.

Co-op Tr Sch Tr 392

Sci - Chemistry
Nov 57

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[Handwritten signature]
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Tantalum and Niobium in Chemical Industry, by
G. V. Samsonov, V. I. Konstantinov, 18 pp.
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RUSSIAN, per, Khim Nauka i Prom, Vol I, No 5,
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Rubidium and Cesium, Fields of Use and Methods
of Production, by V. E. Plyushchev, I. V.
Shakno, 10 pp.

RUSSIAN, per, Khim Nauk i Prom, Vol I, No 5,
1956, pp 534-539.

Assoc Tech Sv 81J16R

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Therium, by ^VJ.G. Tronov.

RUSSIAN, par, Izina Nauk SSSR, Vol. I, No 5, 1956,
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Aug 59

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S-665/60

(DC-4499)

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Sci - Chem

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Extraction, Fractionation and Purification of
Rare Metals, by D. I. Ryabchikov. UNCL

RUSSIAN, per, Khim Nauka Prom, Vol I, No 5,
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Co-op Tr Scheme 364

Sci - Chem
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Questions of Technological Progress in the Nitrogen
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RUSSIAN, per, Khim Nauk i Prom, Vol I, No 6, 1956,
pp 602-606.

*DSIR/TCL 99

Sci-Chem

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Some Questions of Theory and Practice in
Ammonia Synthesis, by S. S. Lachinov.
UNCLASSIFIED

RUSSIAN, per, Khim Nauk i Prom, Vol I, No 6,
1956, pp 610-621.

(Possibly #DSIR/TCL 99)

Ascco Tech Sv #3218

Sci - Chem
Nov 28 58

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The Present Status of Urea Manufacture.

RUSSIAN, per, Khim Nauk i Prom, Vol I, 1956,
pp 669-680.

Possibly to Come From Contacts
per 10 Dec 1962 memo
USIB INTERNAL USE ONLY

Sci - Chem

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New Developments in Organometallic Synthesis,
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RUSSIAN, per, Khim Nauka i Prom, Vol II, No 1,
1957, pp 19-23.

Asso Tech Svc 16J16R

Sci

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Modern Methods for the Production of Pure Ethylene, by
P. V. Zimakov, UNCL

RUSSIAN, per, Khim Nauk i Prom, Vol II, No 1, 1957,
pp 24-34.

*DSIR/TCL 112

Sci - Chem
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<p>Silich, M. I. PREPARATION OF ALDEHYDES AND ALCOHOLS BY THE OXO PROCESS. [1961] 9p. Order from ATS \$13.35</p>	<p>61-22937 I. Silich, M. I. II. ATS-65NS1R III. Associated Technical Services, Inc., East Orange, N. J.</p>
<p>Trans. of Khim[icheskaya] Nauka i Prom[yslennost'] (USSR) 1957, v. 2, no. 1, p. 59-64.</p>	<p>ATS RJ-2903 177765</p>
<p>DESCRIPTORS: *Aldehydes, *Alcohols, Synthesis, *Oxo process.</p>	<p>Office of Technical Services</p>
<p>(Chemistry--Organic, TT, v. 6, no. 4)</p>	

The Manufacture and Use of Carboxymethyl Cellulose
Ether in the National Economy, by K. P. Zhigach.
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RUSSIAN, per, Khim Nauka i Prom, Vol II, No 1, 1957,
pp 76-80.

Co-op Tr Scheme 642

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12. Os. Od. elsewhere

Sci - Chem
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Isomerization of Propylene Oxide, 6 pp.

RUSSIAN, per, Khim Nauka i Prom, Vol II, No 1,
1957, p 133.

AF 1255402

Sci - Chem - Fuels
Mar 59

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Chemically Stable Metals and Metal Alloys, by
I. I. Kornilov, 27 pp.

RUSSIAN, per, Khimicheskaya Nauka i Promyshlennost';
1957, pp 238-245. CIA 651301

ATIC MCL-155/III

Sci - Min/Met
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A Study of the Properties of Cellulose Esters of
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Rogovin, 4 pp.

RUSSIAN, per, Khim Nauk i Prom USSR, Vol II, 1957,
pp 265, 266.

SLA 59-10328

Sci - Chemistry
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Vol II, No 2

98,651

The Effect of Promoters on the Specific Activity of
Iron Catalysts in the Ammonia Synthesis, by L. D.
Kuznetsov, S. S. Lachinov.

RUSSIAN, par, Khim Nauka i Prom., Vol II, No 2, 1957,
pp 269-270.

APS RJ-1700

Sci - Chem

Jul 59

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Problems of the Synthetic Rubber Industry in the
Sixth Five-Year Period, by M. D. Gordin, G. F.
Borisovich, 9 pp.

RUSSIAN, per, Khim Mankh i Prom, Vol II, No 3, 1957,
pp 274-279.

Assoc Tech Sv 69K25R
\$11.65

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The Synthesis and the Study of Some Properties
of 1, 4-Polybutadiene, by B. D. Babitskiy,
B. A. Dolgoplosk, V. A. Krol, 4 pp.

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1957, pp 392, 393.

102-1562
CIA 102-1562

102
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Vol. 2, No 4

102,733

Polymerization of Ethylene at low Pressures
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Egorov, E. V. Arkipova, and others, 4 pp.

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Assoc Tech Serv
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Sci - Chem

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OCS, Vol I, No 6

The Small Production of Vanillin From Lignosulfonates;
by O. D. KHALSICA.

RUSSIAN, for, Khim Nauk i Proiz, Vol. XX, No 4, 1957,
pp 162-165.

Assoc Tech Sv

373192

ATS RT-1294

Set - Chem
Svcs 59
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CIA / FDD XX-589
CIA Info *use only* 99.976

Polymerization of Ethylene in the Presence of
Tributylboron, by G. S. Kolesnikov, T. A. Soboleva.

RUSSIAN, per, Khim Nauka i Prom, Vol II, No 5,
1957, p 663.

Assoc Tech Serv RJ-1412

Sci - Chem

Apr 59

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Kilshtedt, K.K., Khalipa, V.M. and others.
LA FIXATION DU BROUILLARD D'ACIDE SULFURI-
QUE (Removal of Sulfuric Acid Fog). 7p. CNRS-VI
360.
Order from OTS, ETC or CNRS \$0.80 TT-62-28051

Trans. in French of Khimicheskaya Nauka i
Promyshlennost (USSR) 1957, v. 2, p. 793-794.

DESCRIPTORS: *Sulfuric acid, *Aerosols, Liquids,
Gases, *Purification.

(Engineering--Chemical, TT, v. 11, no. 6)

TT-62-28051

- I. Kilshtedt, K.K.
- II. Khalipa, V.M.
- III. CNRS-VI 360
- IV. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translations Centre

The Synthesis of Dichloro- and Diiodomethyl
Derivatives of Some Aromatic Compounds, by A. A.
Vansheidt, et al.

RUSSIAN, per, Khim Nauk i Prom., Vol II, 1957,
pp 799-800.

NLL N. 3235

Sci - Chem

OTS 62-15683

Apr 62

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62-14505

Kitaigorodskii, I. I.
GLASS IN CERAMICS (Steklo v Keramike). [1962]
[43p. (foreign text included) 29 refs.
Order from OTS or SLA \$4.60 62-14505]

Trans. of Khim[icheskaya] Nauka i Prom[yshlennost']
(USSR) 1958, v. 3 (no. 1) p. 35-45.

DESCRIPTORS: *Glass, Melting. *Ceramic materials.
Sintering, Mechanical properties, Manufacturing
methods.

(Materials--Ceramics, TT, v. 8, no. 1)

I. Kitaigorodskii, I. I.

Office of Technical Services

Glass Fibres and Materials Based on Them, by M. S.
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per,
RUSSIAN, /Khim Nauk i Prom, Vol III, No 1, 1958,
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Co-op Tr Scheme 610
(12).

Sci - Chem
Mar 59

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USSR Materials and Materials Processing Equipment
~~Report~~ (9)
Problems in the Field of Equipment for the
Chemical Industry
RUSSIAN, bi-monthly periodical, Khimicheskaya
Nauka i Promyshlennost', No 6, Nov-Dec 1958
pp. 690-693
USSR; Economic; Technological - Materials and
materials processing equipment

New Aromatic Systems, by A. N. Kiselev, E. G. Porevalova, 45 pp.

RUSSIAN, per, Khim Nauk i Prom, Vol III, No 2, 1978, pp 146-158.

AFSE F-28-9697/V

Sci - Ingr
Apr 59

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62-10121

Titkov, V. A.
ADVANCES IN THE SYNTHESIS OF VAT ANTHRA-
QUINONE DYES. [1961] [34]p. 125 refs.
Order from OTS or SLA \$3.60 62-10121

I. Titkov, V. A.

Trans. of Khim[icheskaya] Nauka i Prom[yshlennost']
(USSR) 1958, v. 3 [no. 2] p. 174-190.

DESCRIPTORS: *Anthracenes, Quinones, *Dyes,
Synthesis.

(Materials, TT, v. 7, no 10)

Office of Technical Services

<p>Virtkina, B. N. and others. NEW APPROACHES TO THE SYNTHESIS OF DIRECT DYES. [1961] [46 p. (7 refs. omitted) 241 refs. Order from OTS or SLA \$4.60</p> <p>Trans. of Khimicheskaya Nauka i Promyshlennost' (USSR) 1958, v. 3, p. 191-221.</p> <p>DESCRIPTORS: *Dyes, Synthesis, Bibliography.</p>	<p>62-10122</p> <p>I. Virtkina, B. N.</p> <p>62-10122</p> <p>Office of Technical Services</p>
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Synthesis of Progesterone From Solasodine, by
N. N. Suvorov, L. V. Sokolova, L. M. Korosovskaya,
V. C. Kuracheva, 7 pp.

RUSSIAN, per, ~~Khim Nauka i Progress~~, Vol
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XIII 4-34

Sci - Med

May 59

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Caesium Fluoride for Substitution of Chlorine
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Yakobson,

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1958, pp p 403.

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Sci-Chem
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(NY-3908/1).

Nikolay Mikhaylovich Zhavoronkov, (50th Birthday),
by I. K. Samarayev, B. D. Mel'nik, L. A. Kostandov,
3 pp.

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JPRE-1971-H

Sci - Misc
USSR
Biog
Nov 59

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Electrochemical Synthesis of Organic Substances, by
V. G. Khouryakov,

RUSSIAN, per, Khim Nauka i Prom, Vol III, No 4, 1958,
pp 432-438.

ATS RJ-2153

Sci - Chem

May 60

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Balmakov, Yu. V. and Batashev, K. P.
PROGRESS IN THE FIELD OF ELECTROLYTIC
POLISHING. [1962] 13p.
Order from ATS \$17.75 ATS-27P61R

Trans. of Khim[icheskaya] Nauka i Prom[yshlennost']
(USSR) 1958, v. 3, no. 4, p. 464-470.

DESCRIPTORS: *Electrolytic polishing, Surfaces,
Metals.

(Metallurgy, TT, v. 8, no. 4)

62-17731

I. Balmakov, Yu. V.
II. Batashev, K. P.
III. ATS-27P61R
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS RJ-4145

Office of Technical Services

62-17712

Vagramyan, A. T. and Kudryavtsev, N. T.
RECENT ADVANCES IN ELECTROPLATING. [1962]

12p.
Order from ATS \$16.75 ATS-28P61R

Trans. of Khim[icheskaya] Nauka i Prom[yshlennost']
(USSR) 1958, v. 3, no. 4, p. 471-476.

DESCRIPTORS: *Electroplating, Plating, Finishes,
Metallurgy.

(Metallurgy, TT, v. 8, no. 4)

- I. Vagramyan, A. T.
- II. Kudryavtsev, N. T.
- III. ATS-28P61R
- IV. Associated Technical
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ATS RJ-4152

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Electrochemical Corrosion of Metals, by A. I.
Krasilshchikov.

RUSSIAN, per, Khim Nauk i Prom, Vol III, No 4,
1958, pp 476-483.

*ACSIL 1378

Sci - Chem

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Mass Transfer From a Fixed Granular Bed to a
Liquid Stream, by V. V. Strel'tsov, A. A.
Krasnitskiy,

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1958, pp 511-514.

ATS RJ-2204

Sci - Chem Eng

May: 60

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Calculation of the Hydraulic Resistance of
Sieve Plates, by A. A. Noskov, V. N. Sokolov.

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1958, pp 518-520.

ATS RJ-2205

Sci - Chem Eng

May 60

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Liquid-Liquid Extraction: Mechanism of Mass
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6 p.

RUSSIAN, per, Khim Nauka i Prom, 1958, Vol III,
No 4, pp 515-517.

SLA 59-15833

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Vol 2, No 6

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Progress in the Manufacturing of Photographic
Silver Halide Emulsions, by V. I. Zelikman,
S. M. Levi, Yu. Sh. Moshkovskiy, 23 pp.

RUSSIAN, per, Khim Nauk i Prom., Vol III, No 5,
1958, pp 567-576.

CIA/TID XX-814

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Sci - Physics

Apr 60

USIS INTERNAL USE ONLY

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114,140

Diffusion Photographic Processes, by H. C.
Spacokukotski, N. B. Deutschmeister, 16 pp.

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1958, pp 607-613.

CIA/FDD XX-854

C51R0

Sci - Phys

Aug 60

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Effect of Alkaline Additions in the Catalytic
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by R. M. Flid, et al.

RUSSIAN, per, Khim Nauka i Prcm, Vol III, No 5,
1958, pp 683-.

AMS RJ-1889

Sci - Chem

Jan 60

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Problems in the Field of Equipment for the
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RUSSIAN, per, Khim Mash i Prom, No 6, 1958,
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USSR Material and Materials
Process Equip, No 9

USSR

Econ

Apr 59

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830052-7

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Prospects for Using Refractory Compounds in the
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807-811. *CIA 965,9137*

ATTC MCL-265/1
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(NY-3000)

Technical Tasks of the Rubber Industry in the
Seven-Year Plan, by P. I. Zakharchenko, 22 pp.

RUSSIAN, per, Khim Nauka i Proa, No 1, 1959,
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MEANS of Increasing Their Quality, 21 pp. ID 2137014

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ACSI H-4082

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Sci - Chem

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RUSSIAN, par, Khimicheskaya Nauka i Prom, No 1,
1959, pp 35-41.

ACII H-4021

SLA 60-10560

Sci - Chem

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Vulcanization Structures and Their Change in
Vulcanisation, Thermochemical Processing and
Vulcanized rubber Fatigue, 13 pp.

RUSSIAN, par, Khimicheskaya Nauka i Prom, No 1, 1959,
pp 55-62.

ACSI H-4021

Sci - Chem

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830052-7

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A Continuous Method of Producing Titanium
Trichlorides, by A. M. Vladimirov, et al. UNCL.

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1959, pp 132, 133.

DSIR LIU INTS 1458

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Sci - Chem

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116,600

by S. Ya. Plotkin, 23 pp.

RUSSIAN, per, Khim Bank i Prom, Vol IV, No 2, 1959,
pp 145-153.

ATTC MCL-588/III

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The Application of Mass Spectroscopy to Chemical
Analysis, by G. K. Lavrovskaya,

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pp 154-163.

ATS RJ-2106

ATS-21237R

Sci - Chem

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Molecular Spectral Analysis in the Chemical
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NCB A.1881
R.1872

NLL 01.3262

USSR
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List No 41

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RUSSIAN, per, Khim Nauk Prom, Vol IV, No 2, 1959, pp 191-197.

Sci - Chem
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*Intelligence Div.
London as RNP-59/2.9*

Extraction Methods of Separating Elements in
Analytic Chemistry, by V. M. Vdovenko, L. N.
Lazarev, 11 p.

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No 2, pp 230-234.

MDF V-134

Sci
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Vol 2, No 11

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Determination of Microimpurities in Semi-
conducting Materials and Metals of High Purity,
by V. A. Nazarenko, 16 p.

RUSSIAN, per, *Khim Nauka i Prom*, 1959, Vol IV,
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MDF H-106

Sci
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Vol 2, No 11

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62-10695

Terent'ev, A. P. and Terent'eva, E. A.
ADVANCES IN ORGANIC ELEMENTARY ANALYSIS.
19 Dec 61 [25]p. 170 refs.
Order from OTS or SLA \$2.60 62-10695

I. Terent'ev, A. P.
II. Terent'eva, E. A.

Trans. of Khim[icheskaya] Nauka i Prom[yshlennost']
(USSR) 1959, v. 4 [no. 2] p. 242-249.

DESCRIPTORS: Chemical analysis, *Organic compounds, *Chemical elements, Carbon, Hydrogen, Oxygen, Nitrogen, Sulfur, Halogens, *Chromic acid.

In the present review of methods of elementary organic analysis, it was not our task to cover exhaustively all variations of the different methods, but rather to note mainly those papers reporting principally new methods or significant improvements of existing methods. Particular attention was paid to the work of Soviet scientists, especially since reviews (Chemistry--Analytical, TT, v. 8, no. 7) (over)

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DESCRIPTORS: *Surface-active substances, Chemical
properties, *Foaming inhibitors, *Colloids, Stabiliza-
tion, Inhibition, *Plasticizers, *Detergents.

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