

Korshak, V. V. and Gribova, I. A.
EXAMINATION OF THE KINETICS OF COPOLY-
MERIZATION OF DIISOCYANATES WITH GLYCOLS
[1960] 16p. 4 refs. M 1880.
Order from LC or SLA mi\$2.40, ph\$3.30 61-13203

Trans. of [Akademiya Nauk SSSR. Otdeleniye
Khimicheskikh Nauk. Izvestiya] 1954, no. 4
[p. 670(?) - 676(?)].

The kinetics of the reaction of the joint polymeriza-
tion of diisocyanate diphenylmethane with tetra-
methyleneglycol at the temperatures 145° and 155°C
in a solution of nitrobenzene at solution concentra-
tions of 0.352 and 0.0703 mol/l was investigated.
The speed of growth of the molecular weight of poly-
urethane in the time for joint polymerization of
diisocyanate diphenylmethane with tetramethylene-
glycol was studied. With a growth of concentration
of the initial substances and with increasing tempera-
tures, the speed of reaction of joint polymerization of
(Chemistry - Organic, IT, v. 5, no. 7) (over)

61-13203

1. Copolymerization--
Analysis
 2. Glycols--Polymerization
 3. Isocyanates--Polymerization
- I. Korshak, V. V.
 - II. Gribova, I. A.
 - III. DSIR L.L.U. M.1880

Office of Technical Services

Macromolecular Compounds. Communication 59.
Stereochemistry of *α*-Methylstyrenes in Its
Relation to Their Tendency to Undergo Poly-
merization, by V. V. Korshak, N. G. Matveyeva,
4 pp.

RUSSIAN, *in* per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 4, USSR, 1953, pp 751-756.

Consultants Bureau

Scientific - Chemistry

Dec 54 CBS

19,740

Macromolecular Compounds. Communication 58.
Steric Hindrance in the Polymerization of
Nuclear-Substituted Styrenes, by V. V. Korshak,
H. G. Matveyeva, 7 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 3, May/June 1953, USSR, pp 547-555.

Consultants Bureau

Scientific - Chemistry

CTS/DEX

19,428

Macromolecular Compounds. Communication 57.
The Relation Between the Polymerization
Capacity and the Structure of Some Unsymmetrical
Diarylethylenes, by V. V. Korshak, E. G. Matveyeva,
3 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 3, May/June 1953, USSR, pp 542-546.

CIA 36692

Consultants Bureau

Scientific - Chemistry

CTS/DEI

19,431

Macromolecular Compounds. Communication 56.
Effect of Stereochemical Factors on the Polymer-
izability of Halogen-Substituted Ethylenes, by
V. V. Korshak, N. G. Matveeva, 5 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 2, Mar/Apr 1953, pp 344-350.

Consultants Bureau

Scientific - Chemistry CTS/DEX

17,993

Macromolecular Compounds. Communication 55.
Application of Interchain Exchange Reactions
in Linear Polycondensation Processes, by S. R.
Refikov, V. V. Korshak, G. N. Chelnokova,
6 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 4, USSR, 1953, pp 743-750.

Consultants Bureau

Scientific - Chemistry

Dec 54 CTS

19,739

Micromolecular Compounds. Communication 54.
Elementary Reactions of the Polyesterification
Process, by V. V. Korshak, S. V. Vinogradova,
4 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 3, May/June 1953, USSR, pp 537-541.

CIA - 36692

Consultants Bureau

Scientific - Chemistry

CTS/DEX

19,430

Macromolecular Compounds. Communication 53.
Polycondensation of 1-Bromo-3-chloropropane
With Benzene, by G. S. Kolesnikov, V. V. Korshak,
6 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 2, Mar/Apr 1953, pp 336-343.

Consultants Bureau

Scientific - Chemistry CTS/DEX

17,992

Macromolecular Compounds. Communication 51.
Investigation of the Polyester Exchange Reaction
by the Use of Deuterium, by D. N. Kursanov,
V. V. Korshak, S. V. Vinogradova, 4 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, Jan/Feb 1953, pp 140-144.

Consultants Bureau

Scientific - Chemistry

Aug 54 CTS

17,094

Macromolecular Compounds. Communication 60.
Role of Stereochemical Factors in the Polymeri-
zation Process, by V. V. Korshak, N. G.
Matveyeva, 4 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 6, USSR, Nov/Dec 1953, pp 1116-1120.
CVA n 151103

Macromolecular Compounds. Communication 62.
Polycondensation of Acid Esters of Adipic Acid
With Various Glycols, by V. V. Korskak, S. V.
Vinogradova, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, USSR, 1953, pp 951. GIA D 151001

Consultants Bureau

Scientific - Chemistry

CTS 64/Jan 55

20,611

Macromolecular Compounds. Communication 63.
Polyesters of 1,20-Eicosanediol, by V. V.
Korshak, S. V. Vinogradova, 4 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 6, USSR, Nov/Dec 1953, pp 1121-1125.
CIA D 151103

Consultants Bureau

Systematics of Macromolecular Compounds.
(Nomenclature and Classification of Macromole-
cular Compounds), by V. V. Korshak, 13 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 2, Mar/Apr 1953, pp 321-335.

Consultants Bureau

Scientific - Chemistry CTS/DEX

17,989

Influence of Stereochemical Factors on the Affinity
of Displaced Ethylenes for Polymerization, by
V. V. Korshak, E. G. Matveeva, 7 pp.

Full translation.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, ~~XXXXXXXX~~
Vol LXXXV, No 4, 1952, pp 797-800.

USDA Tr

Scientific - Medicine Aug 53 CTS/DEX

4781

Macromolecular Compounds. Communication 43. Significance
of Acidolysis in the Polyesterification Reaction,
by V. V. Korshak, S. V. Vinogradova, 5 pp.

Full translation.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, Jan-Feb 1952, pp ~~180-182~~. 180-184.

Consultants Bureau

USSR
Scientific - Chemistry

Aug 53 CTS

4496

Macromolecular Compounds Communication 44. Polyesters
of Certain Aromatic Dicarboxylic Acids, by
V. V. Korshak, T. A. Soboleva, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, May-Jun 1952, pp 526-530.

Consultants Bureau

USSR
Scientific - Chemistry

Mar 54 CTS/DEX

10,244

Macromolecular Compounds. Communication 45.
Significance of the Decarboxylation of Dicarboxylic
Acids in the Polycondensation Process, by V.V. Korshak,
B. V. Rogozhin, 7 pp.

RUSSIAN, bimo per, Iz Akad. Nauk SSSR, Otdel Khim Nauk,
No 3, May-Jun 1952, pp 531-539.

Consultants Bureau

USSR
Scientific - Chemistry

Mar 54 CTS/DEX

10,237

High-Molecular Compounds. XLVII. The Mechanism
Involved in Chain Growth and the Reasons for its
Stoppage During a Polyesterification Reaction, by
V.V. Korshak and S.V. Vinogradova, 6 pp.

RUSSIAN, no per, Zhur Obschch Khim, Vol XXII, No 7,
Jul 1952, pp 1176-1182.

Consultants Bureau

USSR
Scientific - Chemistry

Feb 54 CTS

9710

High-Molecular Compounds. XLVI. The Polymerization
of 2,6-Dimethyl-4-tert-butylstyrene, by V.V. Korshak
and N.G. Matveeva, 3 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII, No 7,
Jul 1952, pp 1173-1175.

KKE Consultants Bureau

USSR
Scientific - Chemistry

SLA
R-960

Feb 54 CTS

9709

Synthesis of Hydrocarbons by the Action of Hexachloroethane Upon Organomagnesium Compounds, by V. V. Korshak and T. D. Kozarenko, 2 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XIII, No 5, May 1952, pp 771-772. CIA D 182347

Consultants Bureau

Sci - Chem

Dec 53 CTB

7445

High-Molecular Compounds. 52. Reactions of Polyester
Macromolecules With Each Other, by V. V. Korshak,
S. V. Vinogradova, 8 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, Nov-Dec 1954, pp 1109-1115.

2
Consultants Bureau

Scientific - Chemistry
Jul CTS/DEX

15,948

Korshak, V. V., Chelnokova, G. N., and Distler, G. I.

THE IMPORTANCE OF EXCHANGE REACTIONS IN THE POLYCONDENSATION PROCESS. [1963] 6p (figs omitted) Srefta
Order from OTS or SLA \$1.10 63-18667

Trans. of Akademiya Nauk SSSR. Doklady, 1952, v. 82 [no. 4] p. 589-591. (Abstract available)

DESCRIPTORS: *Polyamide plastics, *Condensation reactions, *Exchange reactions, *Sebacic acid, *Amines, Ethanol, Polymerization, Electron diffraction analysis, Chemical equilibrium.

A study was made of the polycondensation products of sebacic acid with monoethanolamine and N, N-di-(β -hydroxyethyl-) sebacamide. Melting point determined. (Chemistry--Organic, TT, v. 11, no. 1) (over)

TT-63-18667

1. Title: Diethanol sebacamide
 2. Title: Ethanolamine
- I. Korshak, V. V.
 - II. Chelnokova, G. N.
 - III. Distler, G. I.

Office of Technical Services

Korshak, V. V., Chelnokova, G. N. and Distler, G. I.
DE L'IMPORTANCE DES RÉACTIONS D'ÉCHANGE
DANS LA POLYCONDENSATION (Role of Exchange
Reaction in the Polycondensation Process). 5p. 5 refs.
CNRS-VIII bis 275.
Order from OTS, ETC or CNRS \$1.10 TT-62-26717

Trans. in French of Akademiya Nauk SSSR, Doklady,
1952, v. 82, no. 4, p. 589-591.
Another trans. is available in English from OTS,
SLA or ETC as TT-63-18667 [1963] 6p.

DESCRIPTORS: Exchange reactions, *Condensation
reactions, Polymers, Carbon compounds, *X-ray
diffraction analysis.

(Chemistry--Organic, TT, v. 11, no. 11)

TT- 62-26717

- I. Korshak, V. V.
- II. Chelnokova, G. N.
- III. Distler, G. I.
- IV. CNRS-VIII bis 275
- V. Centre National de la
Recherche Scientifique,
Paris

Office of Technical Services
European Translations Centre

On Steric Hindrances During Polymerization of
2,6-Dimethyl-4-Tert.-Butylstyrene, by V. V.
Korshak, N. G. Matveeva, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXVIII, No 6, 21 Jun 1951, pp 1145-1148.

CIA/FDD/KX-89
IAC INTERNAL USE ONLY

SLA
R-813

Scientific - Chemistry

Feb 56 CTS/DEX
31,155

NOT RELEASABLE TO FOREIGN NATIONALS

KOLESHNIKOV, G. S.
KORSHAK, V. V. AND ERKOVNAYA, I. P.

HIGH-MOLECULAR COMPOUNDS XXI. THE SYNTHESIS OF 2-
METHOXY-1-VINYLNAPHTHALENE

5 pages

PP 397-401

RUSSIAN, Zhur Obshch Khim. Vol XXI, No 2, Feb, 1951

21A 182337

115645

Consultants Bureau Translation

Transarylation of Diarylalkylenes, by V. V. Korshak,
G. S. Kolesnikov, 8 pp.

RUSSIAN, Ser, Dok Ak Nauk SSSR, Vol LXXVI, 1951,
pp 69-72.

SLA R-2778

Sci

Jul 59

92,365

Preparation of Hydrocarbons from Organ-magnesium
Compounds by the Action of Hexachloroethane, by V. V.
Korshak, T. D. Kazarenko, 7 p.

RUSSIAN, Ser, Dok Ak Nauk SSSR, Vol LXXVI, 1951,
pp 685-687.

SLA R-2780

Sci

Jul 59

92,366

The Field of High Molecular Weight Compounds,
Report XXVI. One Peculiarity of the Process of
Chemical Destruction of High Molecular Weight Compounds
by V. V. Korshak.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk.
No 1, 1950, pp 51-55.

A 5869

AEC Tr 1455

Scientific - Chemistry, molecular weight ~~high~~ compounds

Dec 52 CTS/DEX

New type of Linear-Polycondensation Reactions-
Molecular Rearrangement, by V. V. Korshak and
G. S. Kolesnikov.

RUSSIAN, Dok Ak Nauk SSSR, Vol 70, No 4, 1950,
pp 625-7.

Sci Museum Lib No 50/3756 - *London*

Sci

A-5604

High-Molecular Compounds. XXVI. Polymerization of
Vinyl Iodide and Some Properties of 1, 2-Diiodoethane,
V. V. Korshak, K. K. Samplavskaya, N. M. Dovolskaya.

The Journal of General Chemistry of the USSR, Vol XX,
No 11, Nov 1950, pp 2153 - 2157 (Russ p 2080).

Consultants Bureau
New York

A-162-1

TT-65-26415 Field 111

Korshak, V. V.; Kolesnikov, G. S.
EEN NIEUW REACTIETYPE VOOR LINEAIRE
POLYCONDENSATIE OMARYLERING (Novyi tip
Reaktsii Lineinoi Polikondensatsii I erearilirovante). Tr.
by L. Jeurissen. 5p. CBT-III-6.
Order from CBT as CBT-III-6

Trans. in Dutch of Akademiya Nauk SSSR. Doklady,
v70 n4 p625-7 1950.
Another trans. is available from SLA as R-4039.

I. Centre Belge de Traductions
Brussels (Belgium)

European Translations Centre

The Change in the Molecular Weight of High
Molecular Weight Compounds in the Process of
Chemical Degradation, by V. V. Korshak, 4 pp.

KHIMIA, par, Dok Ak Nauk SSSR, Vol XLIV,
No 4, 1949, pp 525-528.

Assoc Tech Sr
855262

Sci - Chem
Apr 59
GID, V. 3, No 5

86,173

Change in Molecular Weight of High Molecular Weight
Compounds in the Process of Chemical Destruction, by
V. V. Korshak.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXIV,
No 4, 1949, pp 525-528.

ARC Tr 1454

HTS RT-1094

Scientific - Chemistry, molecular weight

A-5866

Dec 52 CTS/DEX

Sc Tr Enter RT-1094

Investigation in the Field of High Molecular Com-
pounds. Communication 21. On the Polycondensation
of Glycerol With Adipic Acid, by V. V. Korabsk, and
V. V. Galubev.

Full translation.

RUSSIAN, per, Is Ak Nauk SSSR Otdel Khim Nauk, No 4,
1949, pp 379-385.

ABC Tr 1281

A-3381

Scientific - Chemistry

Jun 52 CBS

DEX

KORSHAK, V. V.

Rapport M.M. Chelnohova, G.N.

Research on Compounds of High Molecular Weight. XXV. The Problem of the Mechanism of Linear ~~Poly~~ Polycondensation Reactions, 9 pp. Confidential

Russian, mo per, Zhur Obshch Khim, Vol XIX, No 11, Nov 49.

FDD X 326

A 5867

The Kinetics of the Polyamidation Reaction,
by G. N. Chelnckova, S. R. Rafikov, V. V.
Korshak.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIX,
1949, pp 353-355.

Consultants Customs Tr

~~821-203B~~

\$15.75

Sci - Chem

Mar 59

83,450

High Molecular Compounds. XXII. Effect of
Polarity of Substituents on Polymerization Power
of Substituted Ethylenes, by V. V. Korshak, 11 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1949, pp 487-492.

CIA/FDD X-2211

Sci - Chemistry
Nov 1956 CTS/dex

40,798

The Mechanism of Linear Polycondensation, by
V. V. Korshak.

RUSSIAN, rpt, Paper taken from 6th Conference on
High Molecular Compounds, 1949.

NLL Ref: 5828.4 1963 (5,223)
(loan)

Sci - Chem
Jul 63

236,092

The Mechanism of Linear Polyocondensation, by
V. V. Korshak.

RUSSIAN, rpt, Paper taken from 6th Conference on
High Molecular Compounds, 1949.

NLL Ref: 5828.4 1963 (5,223)
(loan)

Sci - Chem
Jul 63

236,092

The Importance of Component ~~and~~ Ratio for the
Process of Linear Polycondensation, by
Y. V. Korshak.

RUSSIAN, rpt, Paper Taken From 6th Conference on
High Molecular Compounds, 1949, pp 22-33.

NLL Ref: 5828.4 1963, (5,222)
(loan)

Sci - Chem
Jul 63

236,099

The Importance of Component ~~End~~ Ratio for the
Process of Linear Polycondensation, by
V. V. Korshak.

RUSSIAN, rpt, Paper Taken From 6th Conference on
High Molecular Compounds, 1949, pp 22-33.

NLL Ref: 5828.4 1963, (5,222)
(loan)

Sci - Chem
Jul 63

236,099

Mechanism of Friedel-Crafts Reaction. VII. Reaction of Vinylidene Chloride With Benzene, by V. V. Korshak, K. K. Samplavskaya.

RUSSIAN, per, Zhur Obshchsi Khim, Vol XVIII, No 8, 1948, pp 1470-1474.

Assoc Tech Serv RJ-1440
" " " 72K23R

Sci - Chem

Apr 59

85, 317

Tetraethyllead, by V. V. Korshak, G. S.
Kolesnikov, 35 p.

RUSSIAN, per, Uspekhi Khimii, 1946, Vol XV, No 3,
pp 326-342.

SLA 59-17242

Sci
Dec 59
Vol 2, No 6

103, 944

Studies in the Field of the Polycondensation
Reaction, Pt. 6. Acidolysis and Aminolysis of
Polyamides, by V. V. Korschak, V. A. Zamyatina,
8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR. Otdel Khim Nauk.
No 6, 1945, pp 609-616.

Assoc Tech Sr
84262

ATS 12-41

Sci - Chem
Apr 59
OTS I, No 5

85,916

Korshak, V. V. and Kolesnikov, G. S.
MECHANISM OF THE FRIEDEL-CRAFTS RE-
ACTION, I [1961] 3p. 8 refs.
Order from OTS or SLA \$1.10

62-10850

[Condensed] trans. of Zhurnal Obshchei Khimii (USSR)
1944, v. 14, no. 6, p. 435-437.

DESCRIPTORS: *Friedel-Crafts reactions, Chemical
reactions, Benzenes, Ketones.

(Chemistry--Organic, TT, v. 7, no. 11)

62-10850

I. Korshak, V. V.
II. Kolesnikov, G. S.

209092

Office of Technical Services

(NY-104300)

Delays in Building a New Synthetic Rubber
Plan, by E. Koshlev, 5 pp.

RUSSIAN, np, Izvestiya, 18 Nov 1961.

JPRS 12817

USSR
Econ
Mar 62

183,463

Electro-Slag Welding of Press and Machine Tool
Parts, by N. P. Korshikov, A. F. Shol'ts,
5 pp.

RUSSIAN, per, Svaroch Proiz, No 10, 1961,
pp 26-28.

BWRA

Sci

Oct 62

214,441

A Contribution to the Algal Flora of the Kola Peninsula, by A. A. Korshikov.

RUSSIAN, per, Trudy Instituta Botaniki, Kharkovskiy Univ, Vol IV, Pls I-VII, 1941, pp 53-76. (English summary pp 70-76).

DSIR LLJ M.1408
(Loan)

Sci - Biol

Sep 60

125,586

Analysis of Fluoroorganic Compounds. Simultaneous
Microdetermination of Fluorine, Carbon, and Hy-
drogen, by N. Ye. Gel'man, M. O. Korahun, K. I.
Novozhilova, 6 pp.

russian,
RUSSIAN, per, Zhur Anal Khim, Vol XV, No 3, 1960,
pp 342-346.

CB 164,268

Soi
Aug 61

Reaction of chromium (III) chloride with sodium,
potassium, and magnesium chlorides in melts, by
B. G. Korshunov, B. Ya. Raskin, 3 pp.

RUSSIAN, per. Zhur Neorgan Khim, No 5, 1962,
pp 1137-1140.

CS

Sci

Apr 63

233,418

Investigation of the Chlorination of Niobium
Pentoxide & Zirconium Dioxide, by I. S. Morozov,
B. G. Korshunov, 17 pp.

RUSSIAN, per, Chemistry of Rare Elements, No 2,
1955, pp 102-114. 9095553

AEC Tr-4868

Sci - Chem
Mar 62

186, 495

Thermal and Tensimetric Study of the Systems
TaCl₅-AlCl₃-NaCl and NbCl₅-AlCl₃-NaCl, by I. S.
Morozov and B. G. Korshunov, ~~12~~ 12 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol 1, No 7,
1956, p 1657

ABC-Tr-4588
FL-480

Sci

Jun 63

342,639

240 129

Physicochemical investigation of the $AlCl_3$ -NaCl- WCl_6 and $FeCl_3$ -NaCl- WCl_6 systems, by B. G. Korshunov, L. A. Vyrskaya, 2 pp.

RUSSIAN, per. Zhur Neorgan Khim, No 6, 1962, pp 1403-1407.

CS

Sci

Apr 63

233,443

Rapid Methods of Microelemental Analysis. Communi-
cation 17. Simultaneous Microdetermination of Car-
bon, Hydrogen, Mercury, and Halogen on One Aliquot
of Organic Material, by M. O. Korshun, N. S.
Sheveleva, N. E. Gel'man, 5 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 1, 1960,
pp 99-103.

CB

163, 917

Sci
Aug 61

Development of Tatar Petroleum Industry Reviewed,
by E. Korshunov, 8 pp.
RUSSIAN, per. Ekonomicheskaya Gazeta, Moscow,
No 34, 1968, pp 7-8.
JPRS 46559

E. KORSHUNOV

USSR
Econ
Oct 68

367,636

Analysis of Fluoroorganic Compounds; Simultaneous
Microdetermination of Fluorine, Carbon, and Hy-
drogen in Low-Boiling and Gaseous Compounds, by
N. Ye. Gel'man, M. O. Korshun, E. I. Novozhilova,
7 pp.

RUSSIAN, per, Zhur Anal Khim, Vol. XV, No 5, 1960,
pp 628-634.

CB

164,090

Sci
Aug 61

Rapid Methods of Microelemental Analysis, Communication
15. The Simultaneous Micro Determination of Carbon,
Hydrogen, and Halogens in Organic Compounds, by M. O.
Korshun, N. E. Gel'man, and N. S. Sheveleva, 8 pp.

RUSSIAN, par, Zhur Anal Khim, Vol XIII, No 6,
1958, pp 695-701,

Consultants Bureau

Sci

107,387

Feb 60

Simultaneous Microdetermination of Fluorine, Carbon,
and Hydrogen in Elemento-organic Compounds, by M. O.
Korshun, N. E. Gelman, K. I. Glazova, 2 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXI,
No 6, Nov/Dec 1956, pp 1255-1256.

Consultants Bureau

Sci - Chem

56,710

Dec 57

The Simultaneous Determination of Oxygen and Halides (Chlorine, Bromine, and Iodine) in Organic Compounds, by M. O. Korshun, E. A. Bondarevskaya, 4 pp.

RUSSIAN, thrice-to per, Dok Ak Nauk SSSR, Vol CX, No 2, Sep/Oct 1956, pp 220-222.

Consultants Bureau

Sci - Chem

56,660

Dec 57

Apparatus for the Direct Microdetermination of Oxygen,
by M. O. Korshun and N. E. Gal'man.

Full translation.

RUSSIAN, per, Lavod Lab, Vol XII, USSR, 1946, pp 500-502.

AEC Tr 1282

Scientific - Chemistry

AEC Tr 1333

Sci Tr Center RT-1020

Avail in OSI Jun 52 CTS

DEX

AS 872

Improvement of the Method for the Direct Determination
of Copper in Organic Materials, by E. A. Bondarova,
M. G. Kuznetsov, 3 pp.
RUSSIAN, paper, Zhur Anal Khim, Vol XVIII, No 1,
1961, pp 644-648.

CB

Sci
Mar 64

233,2372

Rapid Methods ² of Microelementary Analysis:
3-Determination of C and H in Nitrocompounds
Without Using Lead Peroxide, by M. O. Korshun,
V. A. Klimova,

bimo
RUSSIAN, /per, Zhur Anal Khim, Vol IV, No 5,
1955, pp 292-297.

25,250

R.A.E. Farnborough
Tr 512

Scientific - Chemistry

Jul 55 CT8

Rapid Methods of Elementary Microanalysis:
No 4: New Dry Absorbent for Extraction of Oxides
of Nitrogen in Determination of C and H in
Nitrogen, by V. A. Klimova, M. O. Korshun,

RUSSIAN, bimo per, Zhur Anal Khim, Vol VI, No 4,
1951, pp 230-233.

25,252

R.A.E. Farnborough Tr 516

Scientific - Chemistry

Jul 55 CTS

apid Methods of Microelementary Analysis,
by N. O. Korshun, V. A. Klinova, **SIS**

Fun
RUSSIAN, per, *Zh* Anal Khim, Vol II,
no 5, 1947, pp 274-280.

Sci Res Unit 1051

TR
R.A.E. Farnborough,
Tr No 513

23,855

Scientific - Chemistry

May 55 OTS

Rapid Methods of Microelementary Analysis. VII. A New Method for the Simultaneous Determination of Carbon, Hydrogen, and Sulfur in Organic Compounds Containing C, H, O, N, and S, by M. O. Korshun, E. S. Sheveleva, 8 pp.

Full translation.

RUSSIAN, bimo per, Zhur Anal Khim, Vol VII, No 2, Mar-Apr 1952, pp 104-111.

Consultants Bureau

Scientific - Chemistry

CTS/DEX

8336

Rapid Methods of Microelementary Analysis. VI. The Mechanism of the Formation of Silver Sulfate During the Simultaneous Determination of Carbon, Hydrogen, and Sulfur in Organic Compounds, by M. O. Korshun, 3 pp.

Full translation.

RUSSIAN, bimo per, Zhur Anal Khim, Vol VII, No 2, Mar-Apr 1952, pp 101-103.

Consultants Bureau

Scientific - Chemistry

CTS/DEX

8335

Analysis of Fluoroorganic Compounds. The Use of
Pyrohydrolysis for the Simultaneous Microdetermi-
nation of Fluorine, Carbon, and Hydrogen, by N. Ye.
Gel'man, V. O. Korshun, K. I. Novozhilova, 5 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 2, 1960,
pp 222-229.

CB

Sci
Aug 61

163,422

TT-62-28308

Korshun, M.O., Gel'man, N.E. and Sheveleva, N.S.
MICROANALYSE ELEMENTAIRE RAPIDE. COMMU-
NICATION XV (Skorostnye Metody Mikroelementarnogo Analiza.) (Rapid Methods of Micro-elementary Analysis). 25p. (Foreign text included) 14refs. CNRS-VIII bis 590.
Order from OTS, ETC or CNRS \$0.95 TT-62-28308

Trans. in French of "Zhurnal Analiticheskoi Khimii (USSR), 1958, v.13, no.6, p.695-701.
Other translations in English are available from OTS or SLA \$1.60 as 62-15431 and from CB \$7.50.

DESCRIPTORS: *Microanalysis, Carbon, Hydrogen, Halogens, *Organic compounds.

(Chemistry--Analytical, TT, v. 11, no. 6)

I. Korshun, M.O.
II. Gel'man, N.E.
III. Sheveleva, N.S.
IV. CNRS-VIII bis 590
V. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translation Centre

Korshun, M. O. and Gel'man, N. E.
APPARATUS FOR SULFUR MICRODETERMINATION:
COMMUNICATION 4 (Apparatura dlya
Mikroopredeleniya Sery. Soobshchenie 4). [1962]
[9]p. (foreign text included) 3 refs.
Order from OTS or SLA \$1.10

62-10579

Trans. of mono. Obmen Opytom i Tekhnika
Laboratornoi Raboty (Exchange for Experiments and
Technical Laboratory Work) n.p., n.d., p. 754-756.

DESCRIPTORS: *Sulfur, Microanalysis, *Laboratory
equipment, Determination.

(Chemistry--Analytical, TT, v. 8, no. 12)

62-10579

I. Korshun, M. O.
II. Gel'man, N. E.
III. Title: Exchange...

106334

Office of Technical Services

Korshun, M.O., Gelman, N.E. and Glazova, K.I.
DOSAGE MICROSCOPIQUE SIMULTANÉ DU FLUOR,
DU CARBONE ET DE L'HYDROGÈNE DANS LES COM-
POSÉS ORGANIQUES ÉLÉMENTAIRES (Odnovremen-
noe Mikroopredelenie Flora, Ugleroda i Vodroda v
Elementoorganicheskih Soedineniyakh) (A Simulta-
neous Microdetermination of Fluorine, Carbon and
Hydrogen in Element-organic Compounds), Sp. (fo-
reign text included) 4refs., CNRS-VIII bis 398,
Order from OTS, ETC or CNRS \$1.10 TT-62-28172

Trans. in French of Akademiya Nauk SSSR, Doklady,
1956, v.111, no.6, p.1255-1256.

DESCRIPTORS: *Microchemistry, *Fluorine, Mag-
nesium compounds, Oxides, *Organic compounds,
Fluorides, Carbon, Hydrogen, *Quantitative analysis,
Combustion, Oxygen.

(Chemistry--Analytical, TT, v. 11, no. 8)

TT-62-28172

I. Korshun, M.O.
II. Gelman, N.E.
III. Glazova, K.I.
IV. CNRS-VIII bis 398
V. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translation Centre

W
Rapid Methods of Microelementary Analysis. V. A
Rapid Method for the Determination of Carbon and
Hydrogen, by M. O. Korshun, 6 pp.

Full translation.

RUSSIAN, bino per, Zhur Anal Khim, Vol VII, No 2,
Mar-Apr 1952, pp 96-101.

Consultants Bureau

Scientific - Chemistry

RTS/DEX

8334

RT-2755

Rapid Methods of Micro-Elemental Analysis. VIII.
Simultaneous Micro-Determination of Carbon, Hydrogen,
and Phosphorus in Organo Phosphorus Compounds Con-
taining C, H, O, P, and N., by M. O. Korshun,
Ev. A. Terentyeva, V. A. Klimova, 6 pp.

RUSSIAN, per, Zhur Anal Khim, Vol IX, No 5, Sep-
Oct 1954, pp 275-281. CIA D 151240

22,510

NIH-610
Consultants Bureau

Scientific - Chemistry

S.L.A. Tr R-779
Mar 55 CTS/DEK

Micro and Semimicro Determination of Nitrogen by
Hydrogenation of Organic Materials, by N. E.
Gelman and M. O. Korshun, 8 pp.

RUSSIAN, per, Zhur Anal Khim, Vol. XXII, No 1, 1957,
pp 128-133.

Consultants Bureau

Sci - Chem

Aug 58

71,786

A New Method for Simultaneous Micro-Determination of
the Carbon, Oxygen, Halogen or Sulfur Content in
Organic Compounds., by M. O. Korshun, N. S. Sheveleva,
Expp 9 pp.

FR. 55.2

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol IX,
~~1948~~ 1948, pp 63-65,

SLA 57-10731

AEC-tr-1797

Scientific - Chemistry

11,069

Rapid Methods of Microelementary Analysis. Simul-
taneous Determination of Carbon, Hydrogen, and Sili-
con by Combustion in the Presence of a Catalyst, by
V. A. Klimova, M. O. Korshun, E. G. Bereznitskaya,
6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCVI,
No 1, 1954, pp 81-83, CIA 0-151193

NIH

Scientific - Chemistry

21, 246

CTB 65/Feb 1955

A New Method for the Simultaneous Determination
of Silicon and Halogens in Organosilicon
Compounds, by M. N. Chumachenko, M. O. Korshun,
et al, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIII,
No 1, 1960, pp 138-140.

SLA 61-10014

Sci

146,187

Apr 61

A New Method of Simultaneous Microdetermination of
Fluorine, Hydrogen and Carbon in Organic Compounds,
by N. E. Gel'man, M. O. Korshun, 3 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXXIX,
No 4, 1953, pp 635-637.

Sci Mus Lib No 54/0062

Scientific - Chemistry
CTS/DEX

11,355

Rapid Methods of Microelemental Analysis. Part
14. Microdetermination of Carbon and Hydrogen
in Organofluorine Compounds, by N. E. Gelman,
M. G. Korshun, and N. S. Sheveleva, 8 pp.

RUSSIAN; per, Zhur ^{AVH1} ~~ESTK~~ ^{XII} Khim, Vol ~~XXX~~ ⁴, No ~~5~~,
1957, pp 526-533.

Consultants Bureau

Sci - Chem
AUG 58

6 1. 0 20

Analysis of Organofluorine Compounds
Simultaneous Microdetermination of Fluorine and
Nitrogen in Organic Compounds, by N. E. Gel'man,
M. O. Korshun. 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 3,
1958, pp 468-470.

SLA 60-10908

Sci

OTS, Vol III, No 6

Sep 60

126,860

Rapid Methods of Microelemental Analysis.
Simultaneous Determination of Elements by ~~XXXXXXXX~~
~~XXXXXXXX~~ Decomposition of Organic Substances by
Heating With Metallic Potassium, by M. O.
Korsbun, M. N. Chumachenko.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX,
No 5, 1954, pp 769-771.

Assoc Tech Sv
RJ-301

Sci - Chemistry
Jan 1956/CTS No 77

30,540

P.O. Box ~~271~~ 271, East Orange, N. J.

Rate Method for Microelementary ¹Analysis.
Simultaneous Quantitative Microdetermination
of Phosphorus, Sulfur, Carbon, and Hydrogen
in Phosphorus-Organic Compounds of the
Composition C, H, O, N, S, P., by M. O.
Korshun, E. A. Terentyeva, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol C, No 4,
1955, pp 707-709.

S.A.A. TO R-772

NIH Tr919 30,337

Sci - Chemistry

Determination of Fluorine in Organic Compounds,
by M. O. Korshun, V. A. Klimova, M. N. Churachenko,
6 pp.

Full tr

RUSSIAN, bimo per, Zhur Anal Khim SSSR, Vol X,
No 6, 1955, pp 358-363. CIA 9000403

Consultants Bureau

Sci - Chemistry
Sep 56 CTS

38,702

Rapid Methods of Microelementary Analysis. Simul-
taneous Determination of Carbon, Hydrogen, and
Phosphorus in Organophosphorus Compounds, by V. A.
Klimova, M. O. Korshun, E. G. Berezmitakaya, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCVI,
No 2, 1954, pp 287, 288.

NIH

Scientific - Chemistry

CTS 65/Feb 1955

2,247

Rapid Methods of Micro Elemental Analysis. Part I.
Simultaneous Determination of Carbon, Hydrogen and
Halogens in Halogen Containing Organic Compounds,
by M. O. Korshun, N. S. Sheveleva, 4 pp.

RUSSIAN, *in* per, Zhur Anal Khim SSSR, Vol XI, No
4, 1956, pp 376-382.

Consultants Bureau

Sci - Chemistry
Mar 57

40,008

Microchemical Analysis

Rapid Methods of Microanalysis, Part III.
Determination of Carbon and Hydrogen in Nitro
Compounds Without the Use of Lead Dioxide, by
M. O. Korshun, V. A. Klimova

RUSSIAN, per, Zhur Anal Khim, Vol IV, 1949,
pp 292-297.

Assoc Tech Sv, RJ-166

Scientific - Chemistry
Aug CTS/DEX

Price \$11.20

17793

High Speed Methods of Microelementary Analysis, by
(UNCLASSIFIED) V. A. Klymov, M. O. Korshun, 6 pp.

RUSSIAN, Journal of Analytical Chemistry, Vol VI,
No 4, 1951, pp 230-233.

ATIC F-TS-8055

Scientific - Chemistry

CIA 1602880

3489

Rapids Methods of Micro Elemental Analysis. Part IX.
Simultaneous Determination of Carbon, Hydrogen, and
Silicon in Organo Silicon Compounds, by V. A. Klimova,
M. O. Korshun, E. G. Bereznitakaya, 10 pp.

RUSSIAN, bimo per, Zhur Anal Khim, Vol XI, No 2,
Mar/Apr 1956, pp 223-232. CIA 9001312 C; Reel No 55

Consultants Bureau

Sci - Chemistry

40,839

**Friction Welding at the Chelyabinsk Tractor
Works, by I. F. Kobzev, T. V. Korshun,
8 pp.**

**RUSSIAN, per, Avtomat Svarka, No 1, 1962,
pp 64-72.**

BWRA

Sci

Nov 62

216,498

Calculation of the Transport Capacity of hydraulic
Transport Equipment, by A. P. Korshunov. 12 pp.
RUSSIAN, per, Gornyi Zhurnal, No 10, 1963,
pp 36-39.
OTS TT-64-18106

A.P. Korshunov

Sci/Engr
Jun 67

327,687

79

Infrared Absorption Spectra of Some Substances
in Different States of Aggregation, by
A. V. Korshunov & L. S. Solov'yev. 7 pp
RUSSIAN, per. AN SSSR. Sibirskoye Otdeleniye.
Spektroskopiya. Metody i Primeneniye. Izd-vo,
Moscow, 1964, pp 143-145. P100103868-V
FTD-HT-23-882-67

U.S. Navy

Sci/Phys
June 68

359.311

Infrared Absorption Spectra of Some
Compounds in Different States of Aggregation ¹¹⁶
by A. V. Korshunov, L. S. Solov'ev.
RUSSIAN, rpt, Spektroskopiya, Metody i
Primeneniya, Akad Nauk SSSR Sibirsk OTD,
1964, pp 143-145.
*FTD INT 23-882-67

A. V. Korshunov

Sci-Phys
Jun 67

Raman Spectra of 1,3,5-Trichlorobenzene and
1,3,5-Tribromobenzene, by A. V. Korshunov,
V. E. Volkov, 6 pp.

RUSSIAN, per, Zhur Strukturnoy Khim, VII II, No 2,
1961, pp 151-157.

CB

Sci
Jun 62

200,130

The Use of Illuminators in Investigating the Low
Frequency Scattering Spectra of Organic Crystals,
by A. V. Korshunov, V. A. Sel'kin, 5 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XX, No 6, 1950,
pp 745-749.

Sci Museum Lib No 54/0696

Scientific - Physics

May 54 CTS

14,113

Thermal and Tensimetric Study of the System
 $\text{NOCl}_2\text{-FeCl}_3\text{-NaCl}$, by I. S. Morozov, B. G. Korshunov,
pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim i Khim
Tekhn, Vol II, No 4, 1959, pp 485-489.

ATB-27M42R

Sci

190, 250

Apr 62

Vol. IV, No 6