

Mel'nikov, N.N., Shvetsova-Shilovskaya, K.D. and others.

RECHERCHES DES PRODUITS INSECTICIDES DANS LA SERIE DES ESTERS ARYLIQUES DE L'ACIDE N-ALKYLCARBAMIQUE (Izyskanie Insektitsidnykh Preparatov v Ryadu Arilovykh Efirov N-Alkilkarbaminovoi Kisloty) (Insecticides from Aryl Esters of N-Alkylcarbamic Acids) 10p. (Foreign text included) 2 refs. GR-826.

Order from OTS, ETC or CNRS 50.80 TT-63-26916

Trans. in French, of Khimicheskaya Promyshlennost' (USSR) 1961, no.10, p.677-681.

DESCRIPTORS: Insecticides, Carbamic acid, Carbamates, Manufacturing methods, Experimental data.

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

TT-63-26916

I. Mel'nikov, N.N.
II. Shvetsova-Shilovskaya, K.D.
III. CNRS-GR-826
IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

(NY-3000)

The Party Program and the Tasks of the
Chemical Industry, by V. S. Fedorov,
33 pp.

RUSSIAN, per, Khim Prom', No 11, 1961,
pp 1-8.

JPRS 13086

USSR
Econ
Mar 62

189,443

The Kinetics of Chemical Reactions in a
Fluidized Catalyst Bed, by O. Ya. Polot-
nyuk.

RUSSIAN, par, Khim Prom, No 11, 1961,
pp 21-24.

66 39/RS 4 CI RET 1008
ATS RJ-3870

Sci-Chem
Dec 63

244,866

62-34335

Burovoi, I. A., Elyashberg, V. M. and others.
MATHEMATICAL MODELS FOR THERMOCHEMICAL PROCESSES OCCURRING IN FLUIDIZED BEDS.
Apr 62, 8p. 6 refs.
Order from ICE in v. 2, no. 2, \$15.00/year

I. Burovoi, I. A.
II. Elyashberg, V. M.
III. International Chemical
Engineering, New York

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 11 [p. 756-762].

DESCRIPTORS: *Chemical engineering, *Thermo-
chemistry, Mathematical prediction, Models (Simula-
tions), *Fluidized solids, Reaction kinetics, Specific
heat, Heat transfer.

(Engineering-Chemical, TT, v. 8, no. 11)

Office of Technical Services

Polotnyuk, O. Ya.
THE KINETICS OF CHEMICAL REACTIONS IN A
FLUIDIZED CATALYST BED. [1962] 9p.
Order from ATS \$13.65 ATS-55P60R

Trans. of Khimicheskaya Prom[yshlennost'] (USSR)
1961. no. 11, [p. 763-766].

DESCRIPTORS: *Chemical reactions, *Fluidized solids,
*Catalysts, *Reaction kinetics.

(Chemistry - Physical, TT, v. 9, no. 2)

62-17718

I. Polotnyuk, O. Ya.
II. ATS-55P60R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Determination of the Critical Rate of
Fluidization by Gas Under Pressure, by
B. B. Chesnokov.
RUSSIAN, per, Khim. Prom., No 11, 1961, pp 767-768.

AEC

Sci
Mar 64

Design of Multistage Apparatus With a Fluidized Bed
of Granular Material, by L. A. Kopyan.

RUSSIAN, per, Khim Prom, No 11, 1961, pp 769-770.

U.K. Atomic Energy Authority
Springfields Tr-81

Sci - Engr
Jul 62

202,112

63-12818

Vakhrushev, I. A., Botnikov, Ya. A., and
Zenchenkov, N. G.
HEAT TRANSFER FROM A FLUIDIZED BED OF
HOT COKE TO THE SURFACE OF HORIZONTAL
TUBES. [1963] pp.
Order from ATS \$8.00 ATS-92Q66R

Trans. of Khim[icheskaya] Prom[vshlennost'] (USSR)
1961, no. 11, p. 787-789.

DESCRIPTORS: *Pipes, Surfaces, *Coke, Fluidized
solids, *Heat transfer.

(Engineering--Chemical, TT, v. 9, no. 10)

- I. Vakhrushev, I. A.
- II. Botnikov, Ya. A.
- III. Zenchenkov, N. G.
- IV. ATS-92Q66R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

ATS RJ-3015

Office of Technical Services

(NY-3000)

Achievements of State Union Experimental Dye
Plant During Past Three Years, by I. F.
Dyuzhev, 6 pp.

RUSSIAN, per, Khim Prom, No 12, 1961,
pp 2-4.

JPRS 14182

203,385-

EXER
Econ
Jun 62

Obtaining Compounded Surface Active Materials,
by E. A. Myshkin, 9 pp.
RUSSIAN, per, Khim Prom, No 8, 1961, pp 535-537.
CFSTI TT-64-15724

Sci - M/M
Jul 66

305,865

Slin'ko, M. G. and Beskov, V. S.
CALCULATION OF CONTACT EQUIPMENT WITH
ADIABATIC CATALYST LAYERS FOR OXIDATION OF
SULFUR DIOXIDE. July 62 [6]p. 6 refs.
Order from ICE in v. 2, no. 3, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 12, p. 826-831.

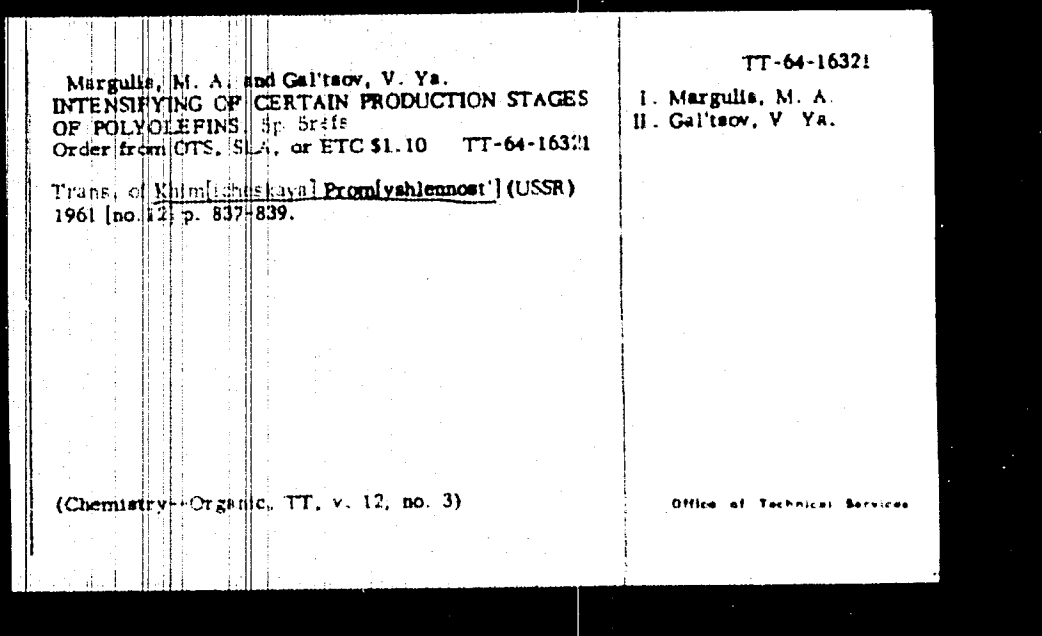
DESCRIPTORS: *Computers, Programming, *Catalysts,
*Sulfur compounds, Dioxides, Oxidation, Heat ex-
changers, Specific heat.

(Engineering--Chemical, TT, v. 9, no. 2)

63-12244

I. Slin'ko, M. G.
II. Beskov, V. S.
III. International Chemical
Engineering, New York

Office of Technical Services



Margulis, M. A. and Gal'tsov, V. Ya.
INTENSIFYING OF CERTAIN PRODUCTION STAGES
OF POLYOLEFINS Sp. 5rifs
Order from OTS, SLA, or ETC \$1.10 TT-64-16321

Trans. of Khimicheskaya Promyshlennost' (USSR)
1961 [no. 2] p. 837-839.

(Chemistry--Organic, TT, v. 12, no. 3)

TT-64-16321

I. Margulis, M. A.
II. Gal'tsov, V. Ya.

Office of Technical Services

63-12242

Zayarnyi, N. S.
COMPUTER MODEL FOR AMMONIA SYNTHESIS
COLUMNS. July 62 [6p. 11 refs.
Order from ICE in v. 2, no. 3, \$15.00/year

I. Zayarnyi, N. S.
II. International Chemical
Engineering, New York

Trans. of Khim[icheskaia] Prom[yshlennost'] (USSR)
1961, no. 12 [p. 850-854].

DESCRIPTORS: *Towers (Chemistry), *Computers,
Models (Simulation), *Ammonia, Synthesis, Reaction
kinetics, Catalysts.

(Engineering-Chemical, TT, v. 9, no. 2)

Office of Technical Services

Kagan, S. Z., Volkova, T. S., and Aerov, M. E.
ÉTUDE DU BRASSAGE LONGITUDINAL DANS LES
EXTRACTEURS ROTATOIRES À DISQUES (Study of
Longitudinal Mixing in the Disc Rotary Extractors).
16p. 33 refs. FR-3179 (text in French).
Order from OTS or ETC \$1.85 62-26307

Trans. in French of Khimicheskaya Promyshlennost'
(USSR) 1961, no. 12, [p. 861-865]

DESCRIPTORS: Liquids, *Solvent extraction, *Disk#,
Rotation, Mixtures.

(Engineering--Chemical, TT, v. 9, no. 8)

62-26307

I. Kagan, S. Z.
II. Volkova, T. S.
III. Aerov, M. E.
IV. FR-3179
V. Centre National de la
Recherche Scientifique
(France)

Office of Technical Services

63-12248

Kutepov, A. M.
CENTRIFUGAL SEPARATION OF SECONDARY VA-
PORS IN EVAPORATION OF SOLUTIONS. July 62
[5]p. 7 refs.
Order from ICE in v. 2, no. 3, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1962, no. 1, p. 60ff.

DESCRIPTORS: Solutions, Evaporation, Vapors, Sep-
aration. *Centrifuge separation, Numerical analysis.

(Engineering-Chemical, TT, v. 9, no. 2)

I. Kutepov, A. M.
II. International Chemical
Engineering, New York

Office of Technical Services

63-12951

Gurevich, G. I. and Neiman, E. Ya.
ELECTROSYNTHESIS OF W-OXYPENTADECANOIC
ACID. [1962] 10p.
Order from K-H \$12.50 K-H 11911

Trans. of Khim[icheskaya] Promy[shlennost'] (USSR)
1962 [no. 1] p. 41-44.

DESCRIPTORS: *Capric acids, *Fatty acids, Synthesis,
*Electrochemistry.

(Chemistry--Organic, TT, v. 9, no. 11)

I. Gurevich, G. I.
II. Neiman, E. Ya.
III. K-H-11911
IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Investigation Into the Electro-Chemical Behaviour of
Titanium and Several Other Metals During the
Electrolysis of Chloride Solutions, by L. M. Yankimenko.

~~SECRET~~ RUSSIAN, per, Khim Prom, No 1, 1962, pp 43-47.

NLL FTS 2277 (*From*)

Sci - M/M
Feb 64

248,259

Operation of a Centrifugal Froth Separator, by
V. T. Barishpolets, 5 pp.

RUSSIAN, per, Khim Prom, No 2, 1962, pp 45, 46.
9200975

MAEC-Tr-5379

Sci - Engr
Jan 63

220, 532

A Determination of the Temperature Field and
the Heat Losses in the Insulation Barrier of
Compressed-Gas Tanks, by S. M. Rips, 20 pp.

RUSSIAN, per, Khimicheskaya Prom, No 2, 1962,
pp 59-65. 9679698

FTD-TT-62-1459

Sci-Phys
Mar 63

224,808

TT-64-13714

Kil'man, Ya. I.
STABILIZATION OF THE THERMAL DECOMPOSITION OF HIGH-CONCENTRATION AMMONIUM NITRATE MELTS. [1963] [8p] 20refs [BM Trans. no. 2248.]

Order from: ODS, SLA, or ETC \$1.10 TT-64-13714

Trans. of Khimicheskaya Promyshlennost' (USSR) 1962, no. 1, p. 66-69. (Abstract available)

DESCRIPTORS: *Ammonium compounds, *Nitrates, Solutions, Pyrolysis, Stabilization, *Urea.

A study was made of the thermal decomposition of ammonium nitrate in the course of evaporation of its solutions at a pressure of 550 mm Hg over a temperature range of 165 to 240° and for various lengths of evaporation time. It was found that the losses (calculated with respect to nitrogen) in the range of 180° to 200° and for an evaporation time of 2 min were between (Chemistry--Physical, TT, v. 11, no. 11) (over)

- I. Kil'man, Ya. I.
- II. BM-Trans-2248
- III. Bureau of Mines, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

New Developments in the Synthesis,
Preparation and Use of Polymeric Ion-Ex-
change Materials, by V. S. Titov, A. B.
Pashov, 20 pp.
RUSSIAN, per, Khimicheskaya Promyshlennost',
No 1, 1962, pp 912-918.
OTS TT-65-60833

338,792

Sci
Aug 67

Kricheskii, I. R., Khazanova, N. E. and others.
DIFFUSION IN GASES AT HIGH PRESSURES. July 62
[8]p. 30 refs.
Order from ICE in v. 2, no. 3, \$15.00/year

Trans. of Khim[icheskaia] Prom[yshlennost'] (USSR)
1962, no. 2 [p. 105-111].

DESCRIPTORS: Gases *Nitrogen, *Carbon dioxide,
Diffusion, Mass transfer, High pressure research,
Phase studies.

(Physics--Thermodynamics, TT, v. 9, no. 2)

63-12255

I. Kricheskii, I. R.
II. Khazanova, N. E.
III. International Chemical
Engineering, New York

Office of Technical Services

The Sensitivity of Ozone-Oxygen Solutions to
a Pressure Pulse, by Z. B. Basyrov,
A. V. Pankratov, 6 pp.

RUSSIAN, *per*, Khimicheskaya Prom, No 3,
1962, pp 22, 23. 9679702

FTD-TT-62-1460

Sci Phys
Mar 63

224,817

Boyarchuk, P. G. and Planovskii, A. N.
THE KINETICS OF MASS TRANSFER IN RECTI-
CATION APPARATUS OF THE FILM TYPE. Oct 62
[6p. 21 refs.

Order from ICE is v. 2, no. 4, \$15.00/year

Trans. of Khim[ichekaya] Prom[yshlennost'] (USSR)
1962, no. 3 [p. 195-200].

DESCRIPTORS: *Towers (Chemistry), Rectifiers,
Films, *Mass transfer, Phase studies, Dynamics,
*Chemical engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

63-12321

I. Boyarchuk, P. G.
II. Planovskii, A. N.
III. International Chemical
Engineering, New York

Office of Technical Services

The Preparation of Adipic Acid by Oxidation,
with Nitric Acid, of the Products of Air
Oxidation of Cyclohexane, by A. M. Goldman, et al.
RUSSIAN, per, Khimicheskaya Promyshlennost,
No 4, 1962, pp 237-241.
NTC 71-14728-07A

Feb 72

Pis'men, L. M. and Ioffe, I. I.
CALCULATION OF OPTIMAL PROCESSES IN
CHEMICAL REACTORS BY THE METHOD OF DY-
NAMIC PROGRAMMING. Oct 62 [9]p. 14 refs.
Order from ICE in v. 2, no. 4, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR) 1962,
no. 4 [p. 260-266].

Another trans. is available from ATS \$19.25 as
ATS-45P63R [1962] 14p.

DESCRIPTORS: *Towers (Chemistry), Reactors,
*Programming, *Computers, Chemical reactions,
*Chemical engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

63-12342

I. Pis'men, L. M.
II. Ioffe, I. I.
III. International Chemical
Engineering, New York

ATS RJ-3863

(24: 1-1964)

Office of Technical Services

**A Graphical Method of Calculating a Series of Continuously
Operating Reactors, by G. N. Bcgachov.
RUSSIAN, per, Khim Prom, No 4, 1962, pp 267-270.**

CRL/T. 1302

Sci - Chem

Feb 64

250,114

Chekhov, O. S. and Khiterer, R. Z.
SOME QUESTIONS OF AMMONIA SYNTHESIS IN A
COLUMN WITH A FLUIDIZED CATALYTIC BED.
Oct 62 [6p. 15 refs.
Order form ICB in v. 2, no. 4, \$15.00/year

Trans. of Khim[icheskos] Prom[yshlennost'] (USSR)
1962, no. 4 [p. 277-281].

DESCRIPTORS: *Ammonia, Synthesis, *Catalysts,
Fluidized solids, *Chemical engineering.

(Engineering-Chemical, TT, v. 9, no. 6)

63-12344

I. Chekhov, O. S.
II. Khiterer, R. Z.
III. International Chemical
Engineering, New York

Office of Technical Services

Dytneraki, Yu. I. and Kasatkina, A. G.
EQUATION GENERALE POUR LE CALCUL DES COEFFICIENTS DE TRANSPORT DE MASSE DANS LES COLONNES A PLATEAUX [A Generalized Equation for the Determination of the Mass Transfer Coefficient in Columns Having Plates] tr. by Kefeh. 13 Nov 62 [16]p. 11 refs. CEA Trans. no. R 1674.
Order from OTS or SLA \$1.60

63-15497

Trans. in French of Khimicheskiy Promyshlennost' (USSR) 1962, no. 4, p. 288-290.

DESCRIPTORS: *Towers (Chemistry), *Mass transfer, Effectiveness, Determination, Vapors, Absorption, Equations.

(Engineering--Chemical, IT, v. 10, no. 7)

63-15497

I. Dytneraki, Yu. I.
II. Kasatkina, A. G.
III. CEA-tr-R1674
IV. Commissariat à l'Energie Atomique (France)

Office of Technical Services

Molokanov, Yu. K.
HYDRAULIC RESISTANCE OF GRID AND PERFORATED TRAYS OF THE DOWNFALL TYPE. [1962]
7p.

Order from ATS \$9.85

ATS-50P63R

Trans. of Khimicheskaya Promyshlennost' (USSR)
1962, no. 4, p. 291-294.

DESCRIPTORS: *Conveyors, Hydraulic research, Resistance, Porosity.

(Engineering--Chemicals, TT, v. 9, no. 1)

62-34245

- I. Molokanov, Yu. K.
- II. ATS-50P63R
- III. Associated Technical Services, Inc., East Orange, N. J.

ATS RT-3005

Office of Technical Services

63-12675

Pis'men, L. M. and Ioffe, I. I.
CALCULATION OF THE OPTIMAL PROCESS IN
CHEMICAL REACTORS BY THE METHOD OF DY-
NAMIC PROGRAMMING. Jan 63 [9]p. 6 refs.
Order from ICE in v. 3, no. 1, \$15.00/year

Trans. of Khim[icheskaia] Prom[yshlennost'] (USSR)
1962, no. 5 [p. 352-359].
Another trans. is available from ATS \$19.00 as
ATS-32P65R [1962] 16p.

DESCRIPTORS: *Towers (Chemistry), Reactors, *Pro-
gramming, Dynamics, *Chemical engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

I. Pis'men, L. M.
II. Ioffe, I. I.
III. International Chemical
Engineering, New York

ATS RJ-3867

Office of Technical Services

Planovskii, A. N., Bulatov, S. N., and Vertuzhaev, E. D.

CALCULATION OF COLUMN EXTRACTORS WITH SIEVE PLATES. Jan 63 [5]p. 3 refs.
Order from ICE in v. 3, no. 1, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR) 1962, no. 5 [p. 364-367].

DESCRIPTORS: *Towers (Chemistry), Design, Mathematical analysis, *Chemical engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

63-12682

1. Title: Sieve plates
- I. Planovskii, A. N.
- II. Bulatov, S. N.
- III. Vertuzhaev, E. D.
- IV. International Chemical Engineering, New York

Office of Technical Services

63-12846

Sokolinski, Yu. A.
CALCULATION OF EQUILIBRIUM IN THE SYNTHESIS OF AMMONIA WITH THE AID OF COMPUTERS.
[1963] 6p.
Order from ATS \$9.50

ATS-89Q67R

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1962, no. 8, p. 410-413.

DESCRIPTORS: *Computers. *Ammonia, Synthesis,
Chemical equilibrium.

I. Sokolinski, Yu. A.
II. ATS-89Q67R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS 89-3944

(Engineering-Chemical, TT, v. 9, no. 8)

Office of Technical Services

Heat Emission and Hydraulic Resistance in
a Gas Flow Along Tubes With Cross Finns, by
U. V. Petrovskiy, 17 pp.
RUSSIAN, per, Khim Prom, No 6, 1962,
pp 433-451.
CIA/FDD XX-1770

Sci - Engr

Mar 66

USIB Internal Use Only

297,534

Malyusov, V. A., Zhavoronkov, N. M. and others.
INVESTIGATION OF THE EFFECTIVENESS OF REGU-
LAR PACKINGS IN THE RECTIFICATION OF WATER.
Apr 63, 12p. 18 refs.
Order from ICE in v. 3, no. 2, \$15.00/year

Trans. of Khim[icheskaya] Prom[yslennost'] (USSR)
1962, no. 7 [p. 519-529].

DESCRIPTORS: *Purification, *Distillation, *Water,
Effectiveness, Packing materials, Design, Hydrody-
namics, Mass transfer, Resistance, Pressure,
Velocity, Temperature, Chemical engineering.

(Engineering-Chemical, TT, v. 10, no. 3)

63-17500

- I. Title: Rectification
I. Malyusov, V. A.
II. Zhavoronkov, N. M.
III. International Chemical
Engineering, New York

Office of Technical Services

Tomilov, A. P., Kaabak, L. V., and
Varshavskii, S. L.

ELECTROCHEMICAL REDUCTION OF NITRILES.
[1962] 8p.

Order from ATS \$12.00 ATS-44P66R

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1962, no. 8, p. 562-566.

DESCRIPTORS: Nitriles, Reduction (Chemistry),
Electrochemistry, Chemical reactions.

(Chemistry--Physical, TT, v. 9, no. 7)

63-12647

- I. Tomilov, A. P.
- II. Kaabak, L. V.
- III. Varshavskii, S. L.
- IV. ATS-44P66R
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Planovskii, A. N. and Bulatov, S. N.
ANALYTICAL CALCULATION OF THE NUMBER OF
EFFECTIVE PLATES OF COLUMNAR MASS TRANS-
FER EQUIPMENT. Jan 63 [6] p. 4 refs.
Order from ICE in v. 3, no. 1, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR) 1962,
no. 8, p. 592-595.

DESCRIPTORS: *Towers (Chemistry), Absorption,
*Mass transfer, Mathematical analysis, *Chemical
engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

63-12693

- I. Title: Sieve plates
- I. Planovskii, A. N.
- II. Bulatov, S. N.
- III. International Chemical
Engineering, New York

Office of Technical Services

The Causes of Explosions in the Purification
of Hydrogen with liquid Nitrogen, by
E. D. Mel'nik, 12pp
RUSSIAN, per, Khimicheskaya Promyshlennost'
1962, No 9, pp 625-630
CFSTI TT-64-19382

323,813

Sci - Engineering
Apr67

Gol'dberg, N. A. and Al'tshuler, L. N.
THE MACROSCOPIC KINETICS AND MECHANISM OF
THE SYNTHESIS OF UREA FROM AMMONIA AND
CARBON DIOXIDE. Apr 63, 5p. 12 refs.
Order from ICE in v. 3, no. 2, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR) 1962,
no. 9 [p. 638-641].

DESCRIPTORS: Chemical engineering, *Urea, Amides,
Carbamates, Esters, Cyano radicals, *Ammonia,
*Carbon dioxide, Oxides, Pressure, Temperature,
Synthesis (Chemistry), *Reaction kinetics.

(Engineering--Chemical, TT, v. 10, no. 3)

63-17505

I. Gol'dberg, N. A.
II. Al'tshuler, L. N.
III. International Chemical
Engineering, New York

Office of Technical Services

Bezuglii, S. F., Akimov, B. A., and Antonova, V. G.
FINE PULVERIZATION OF CONCENTRATED
PESTICIDAL WETTED POWDERS IN AN AIRSTREAM
MILL. [1964] [Bp] 7 refs
Order from CTS, SLA, or ETC \$1.10 TT-64-14841

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1962 [no. 9, p. 695-697].

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

TT-64-14841

I. Bezuglii, S. F.
II. Akimov, B. A.
III. Antonova, V. G.

Office of Technical Services

Compressibility of Mixtures of Ammonia and
Carbon Dioxide and Equilibrium of the Urea
Synthesis Reaction, by G. D. Efremova,
G. G. Leont'eva.
RUSSIAN, par. Khim Prom, Vol 38, No 10, 1962,
pp 742-746.
ATS RJ-4996

Sci-Phys
Feb 69

373,807

Gel'perin, N. I. and Ainshtein, V. G.
THERMAL CALCULATION OF A PNEUMATIC CON-
VEYOR IN A FLUIDIZED BED. Apr 63, 5p. 6 refs.
Order from ICE in v. 3, no. 2, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR) 1962,
no. 10 [p. 753-756].

DESCRIPTORS: Chemical engineering, *Conveyors,
*Pneumatic devices, *Fluidized solids, Heat transfer,
Pyrites.

(Physics--Thermodynamics, TT, v. 10, no. 3)

63-17519

I. Gel'perin, N. I.
II. Ainshtein, V. G.
III. International Chemical
Engineering, New York

Office of Technical Services

New Methods in the Technique of Drying Moist
Materials in a Suspended Layer, byB. Sazhin.
RUSSIAN, per, Khimicheskaya Promyshennost, No 11,
1962, pp 4-50-52
CSIRO/No 7220

Sci -

Aug 67

335.088

Fluidized Bed Driers, by P. Romankov.
RUSSIAN, per, Khimicheskaya Promyshlennost',
No 11, 1962, pp 42-47
CSIRO/No 7219

Sci -
Jul 67

334,503

Hydraulics and Heat Exchange in a Fluidized Bed with
a Vertical Set of Tubes., by N. Gel'perin.
RUSSIAN, per, Khimicheskaya Promyshlennost', Vol. 11,
1962, pp. 701-708.
CSIRO, No. 6860

Sci -
July 1967

334-67

Vakhrushev, I. A. and Erokhin, G. S.
THE MIXING OF SOLID PARTICLES IN A FLUIDIZED
BED. July 63, 6p. 10 refs.
Order from ICE in v. 3, no. 3, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR)
1962, no. 11 [p. 810-814].

DESCRIPTORS: Chemical engineering, *Fluidized
solids, Heat transfer, Catalysts, Mixtures, Hydro-
carbons, Decomposition, Laboratory equipment,
Design.

(Engineering-Chemical, TT, v. 10, no. 7)

63-17878

I. Vakhrushev, I. A.
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III. International Chemical
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No 11, 1962, pp 819-822.
OTS TT-65-60511

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CFSTI TT-64-15730

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July 63, 5p. 20 refs.

Order from ICE in v. 3, no. 3, \$15.00/year

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DESCRIPTORS: Chemical engineering. *Hydrodynamics.
*Bubbles, Mass transfer, Porous materials.

(Mechanics-Hydrodynamics, TT, v. 10, no. 7)

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JPRS 8868

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Another trans. is available from OTS \$0.50 as
63-21657, JPRS-18868, 24 Apr 63, 19p.

DESCRIPTORS: *Polymerization, Free radicals,
*Vinyl plastics, *Radiation effects, Ionization, Radia-
tion chemistry, Chemical engineering, *Reviews.

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

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II. Gol'danskii, V. I.
III. International Chemical
Engineering, New York

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Order from ATS \$14.50 ATS-42Q72R

Trans. of Khim.[cheskaya].Prom[ishlenosti] (USSR)
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DESCRIPTORS: Synthesis (Chemistry), *Methanols,
Catalysts, *Chromium, *Zinc, Transformations,
Phase studies.

(Chemistry--Organic. TT, v. 11, no. 4)

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Office of Technical Services

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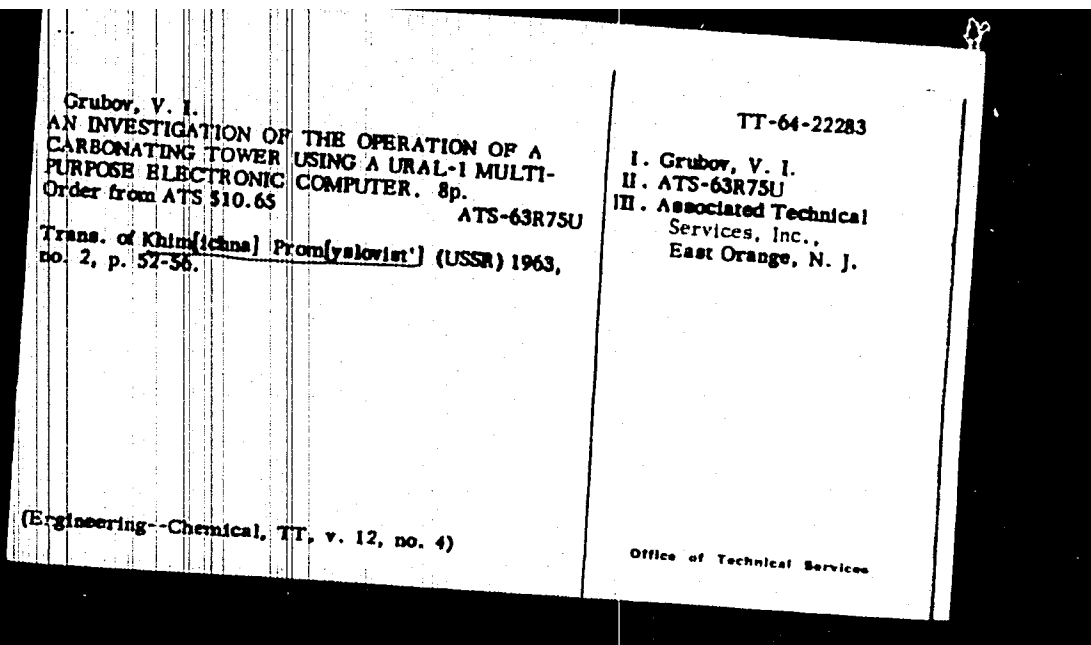
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JPRS 20637

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DESCRIPTORS: Chemical engineering, *Towers
(Chemistry), Separation, *Mass transfer.

(Engineering--Chemical, TT, v. 10, no. 7)

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Zel'venski, Ya. D., Titov, A. A., and
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DESCRIPTORS: *Mass transfer, *Towers (Chemistry),
*Radioactive isotopes, Pressure, Temperature,
Chemical engineering.

(Chemistry--Physical, IT, v. 10, no. 7)

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Sci - Chem
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DESCRIPTORS *Chemical industry, Chemical engi-
neering, Industrial production, *Vibration.

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

TT-64-12063

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ATS RJ-4972

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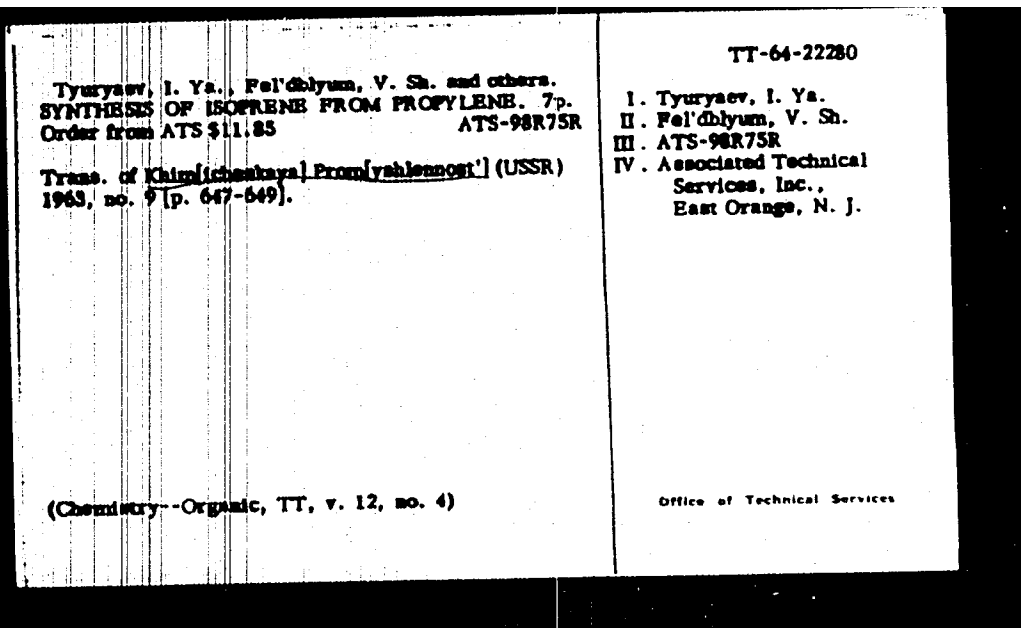
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SLA TT-64-18743

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