

Effect of the Cross Sectional Structure of  
Synthetic Fibers on the Appearance and  
Behavior of the Finished Products. Part I,  
by F. Holland.  
GERMAN, per, Chemiefasern, Vol 13, No 1, 1963,  
pp 42-45.  
NTC-70-12776-11E

Feb 72

Effect of the Cross-Sectional Structure of  
Synthetic Fibers on the Appearance and  
Behavior of the Finished Products, Part II.

by F. Bolland.

GERMAN, per, Chemiefasern, Vol 13, No 2, 1963,  
pp 106-109.

NTC-70-12777-11E

Feb 72

Elastomeric Spinnable Materials, by Theodor Lyssy,  
16pp

GERMAN, per, Chemiefasern, Vol 13, 1963, No ~~12~~

10, pp 768-776

SIA TR-64-30945

58/254/7 18 79

Sci - Mat  
June 67

327,473

Instrument for Determining the Heat-Shrinking Behaviour  
of Synthetic Fibres, by K. Riggert.

GERMAN, per. Chemiefasern. Vol 13, No 11, 1963, pp 60-856 -800  
OUD/256/ T. 1591

Sci -  
Aug 67

335,078

Cargo-Straps From Polyester Yarn, by H. K. Methke.  
GERMAN, per, Chemiefasern, Vol 14, No 4, 1964, pp 254-  
259.  
HTC-71-10476-11E

Nov 71

Sewing Threads Made From Polyester Filaments  
and Fibres - Their Properties Uses and  
Manufacture, by J. Schurig.  
GERMANY, per, Chemiefasern (Nov) 1964, pp 788-  
789  
GR/39/Fib/R & T 679

Sci -  
Aug 67

337-088

TT-61-20267

I. Kirchner, K.

Kirchner, K.  
INDEPENDENT MEASURING AND RECORDING  
VISCOSIMETER (Selbstständig Messende und registrier-  
ende Viskosimeter). [1961] [foreign text included]  
1 ref.

Order from SLA \$1.10

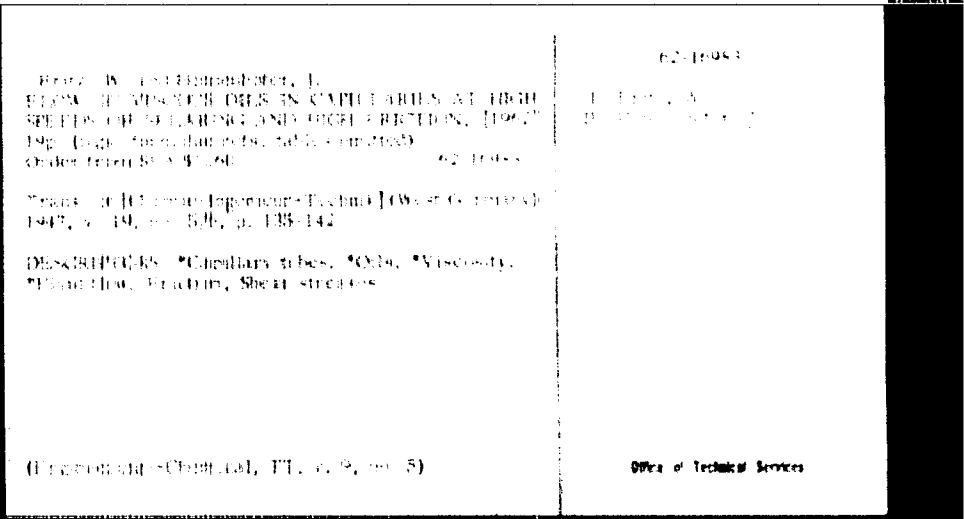
TT-61-20267

Trans. of Chemie-Ingenieur-Technik (Germany) 1939  
[v. 11] no. 4, p. 525-526.

DESCRIPTION: \*Viscometers, recording systems

(Chemistry-Physical, TT, v. 11, no. 3)

Office of Technical Services





Calculation of the Degree of Oxidation and Determination of the Oxidation Number of Nitrous Gases in Sulfuric and Nitric Acid Plants, by Franz Perktold, 9 pp.

GERMAN, per, Chemie Ingenieur Technik, Vol XX, 1948, pp 331-332.  
Sla TT 64-20870

Sept 66

308,701

62-18424

Metz, L., and Rödfig, A.  
CAUSE AND COURSE OF SPONTANEOUS DECOMPO-  
SITION OF TRICHLOROETHYLENE BY ALUMINIUM.  
4 Oct 50, 6p. (table omitted) 12 refs.  
Order from SLA \$11.10

I. Metz, L.  
II. Rödfig, A.

62-18424

Trans. of Chem. Ingénieur-Technik (West Germany)  
1949 [v. 21] May, p. 191-193.

DESCRIPTORS: \*Vinyl chlorides, \*Aluminium, \*Chemical reactions, Aluminium alloys, Cleaning fluids, Explosive forming, \*Inhibition, Decomposition.

The  $AlCl_3$  developed first of all catalyzes the trichloroethylene condensation. The heat liberated produces total de-chlorination of the condensation product and complete oxidation of the aluminium shavings. The use of non-hazardous tetrachlorethylene in the future is suggested. (Author)  
(Engineering-Chemical, TT, v. 9, no. 6)

Office of Technical Services

Development of the Muller-Kuhne Process for the  
Production of Sulfuric Acid from Gypsum, by Heinz  
Malme, 10 pp.

~~CHEMISCH~~, ~~Chemisch-technische Technik~~, Vol XXI,  
No. 11/12, 1949, pp 227-229.

S.L.A. Tr No 343/1955

~~HEINZ~~  
Sci - Chemistry  
Jan 1957 CTS/dex

44, 980

NTC

CHEMICAL	INSTRUMENTAL	TECHNICAL	REFERENCE
1949	VEN	#13-117	70-22599 (<)
1949	VEN	#1374 P259-206	70-22606 (<)
1950	VEN	#322-326	70-23407 (<)
1950	VEN	#1 P105-106	70-23719 (<)
1950	VEN	#10 P209-212	70-22403 (<)
1950	VEN	#10 P213-214	70-22491 (<)
1950	VEN	#10 P214-215	70-22402 (<)
1951	VEN	#12 P208-300	70-22405 (<)
1951	VEN	#10 P213-222	70-22404 (<)

10

On the Theory of Filtration Liquids, by F. L.  
Friedel, 8 pp.

GERMAN, pat, Chem Ing Tech, No 19/20, pp 382;  
383, 1949.

SLA 57-3069

Sci

Aug 58

71.378

(FND 21101)

The Cause and Progress of the Spontaneous Decomposition  
of Trichloroethylene by Means of Aluminum, by  
Dr. L. Matz, A. Roedig, 10 pp.

GERMANY, Chem. Ingenieur Technik, Vol XXI,  
No 9/10, 1949, pp 191-193.

20,063

CIA/FND/U-6008.

REF - Germany  
Scientific - Chemistry

Dec 1954 CTS

62-20354

Springer, R.  
MODERN ELECTROLYTIC DEPOSITION PROCESSES.  
[1962] 13p. (refn. omitted).  
Order from S.L.A \$1.00

62-20354

I. Springer, R.

Trans. of Chemie-Ingenieur-Technik (West Germany)  
1949 [v. 21, no. 15/16] p. 298-304.

DESCRIPTORS: \*Electroplating, \*Electrodeposition,  
\*Metal coatings, Coatings.

(Metallurgy, TI, v. 9, no. 9)

Office of Technical Services

Micro Automatic Micro Method for Carbon and  
Hydrogen Determination Based on the Micro-  
Oxygen Determination, by Dr Josef Untersbacher,  
8 pp.

GERMAN, per, Chemio Ing Technik, Vol XXII,  
1950, pp 39,40.

S.L.A. Tr 800/1956

Sol - Chemistry  
Clot 56 OES

39, 915



Heat Conductivity Determinations With Sodium  
and Potassium Lyes of Different Concentration  
and Temperature, by L. Riedel, 12 pp.

GERMAN, per, Chem Ing Tech, Vol XXII, 1950,  
pp 56-66.

AEC TR 2503

36,568

Sci - Physics

Jul 1956

General Definition of Efficiency, by P. GRUBERMAN:  
19 pp.

SIEMAN, per, Chem-Engg-Tech, Vol XXII, 1950,  
pp 77-80.

AEC tr-3837

Sci. - Chem  
June 60

104,890

Ritter, P.  
THE PRODUCTION OF PHOSPHORUS AND PHOS-  
PHORIC ACID IN PLEISTRITZ. [1963] 17p. (figs.  
tables omitted) 2 refs.  
Order from SLA \$1.00

63-16227

Trans. of Chemie-Ingenieur-Technik (West Germany)  
1950, v. 22, no. 12, p. 233-258.

DESCRIPTORS: Production, \*Phosphorus, \*Phosphoric  
acids, Chemical industry, Sulfuric acid, Electric  
furnaces, Chemical engineering.

In Pleistritz there was built a phosphoric-acid instal-  
lation operating according to the two-stage method.  
The erected phosphorus furnace house and the phos-  
phoric-acid installation are described; material- and  
heat-balances of the phosphorus factory, which were  
completely dismantled by the Russian occupation power  
in 1954 are presented. (Author)

63-16227

I. Ritter, P.

(Engineering--Chemical,  
TT, v. 10, no. 4)

Office of Technical Services

Chemistry and Technique of the Acetylene  
Pressure Reactions, by Walter Reppe 38pp, PT I,  
CHERMAN, per, Chemie-Ingenieur-Technik, Vol 22,  
1950, No 3/14, pp 273-283  
SIA 171-64-20497

Sci - Eng  
May 67

327,403

Chemistry and Technique of Acetylene Pressure  
Reactions, PT II, by Walter Reppe, 41pp  
GERMAN, per, Chemie-Ingenieur-Technik, Vol 22,  
1950, No 17, pp 361-373  
SLA TR-64-20498

Sci - Eng  
May 67

327,404

New Micromethod for Determining the Molecular Weight  
of Interimils of Low Volatility, by H. Hoyer

Chem. Ing. Technik, Vol XXII, 1950,  
pp 356-357.

Nat'l Res ~~RESEARCH~~ Council Canada TT 244  
6

Scientific - Engineering  
Jnl. Club/Inst Price 0.25

16,556

The Development of a Rational Vapor-Pressure  
Formula, by R. Plank, 18 pp.

GERMAN, Ger, Chem Ingenieur-Techn. Vol XIII, No  
20, 1950, pp 433-436.

RACA CR-49504

Sci - Chemistry

51,950

Aug 57

Chemistry and Technique of the Acetylene Pressure  
Reactions, PT III, Walter Reppe, 24pp  
GERMAN, per, Chemie-Ingenieur-Technik, Vol 22,  
1950, No 20, pp 437-442  
SIA TT-64-20499

Sci - Eng  
May 67

327,405



Chemistry and Technique of Acetylene  
Pressure Reactions, PT IV, by Walter Reppe,  
56pp  
GERMAN, per, Chemie-Ingenieur-Technik, Vol 22,  
1950, No 23/24, pp 527-539  
SLA TM-64-20500

Sci - Eng  
May 67

327,406

63-18966

Oppelt, Winfried.  
REGULATION OF DISTILLATION COLUMNS. [1963]  
12p 1ref  
Order from SLA \$1.60 63-18966

I. Oppelt, W.

Trans. of Chem[?];[?];[?]-Tscholck (West  
Germany) 1961, v. 23, p. 39-41.

DESCRIPTIONS: \*Distilling plants, Chemical industry,  
Material separation, Industrial equipment, \*Control,  
Design, Towers (Chemistry).

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

Office of Technical Services

The Heat Conductivity of Aqueous Solutions of  
Strong Electrolytes, by L. Riedel, 22 pp.

GEOLAM, per, Chem Ing Tech, Vol XXIII, 1951,  
pp 551-54.

*NACA N-59502*  
AEC Tr 2501

Sci - Electricity, Physics

*36,574*

Jul 1956

Matz, Werner.  
CONSTRUCTION OF THE EQUILIBRIUM CURVE OF  
TWO COMPONENT MIXTURES AS A MATHEMATICAL  
CURVE, tr. by Berta P. Klenova. 4 June 51. 15p.  
13 refs. TVA 3030.  
Order from OTS or SLA \$1.60 62-25796

Trans. of Chem[is] Ingenieur Technik (West  
Germany) 1951, v. 23, p. 161-165.

DESCRIPTORS: Mixtures. \*Vapor pressure.  
\*Chemical equilibrium. Numerical analysis.  
Differential equations. Graphic analysis. Physical  
chemistry.

It is shown, on the basis of the Margules interpolation  
equations for the calculation of vapor pressures of  
binary mixtures at constant temperature, that generally  
the separation factor may be expressed mathematically  
as an exponential function. Its exponent is a function of  
(Chemistry--Physical, TT, v. 9, no. 9) (over)

62-25796

- I. Title:Dohem-Margules  
equation
- I. Matz, W.
- II. TVA 3030
- III. Tennessee Valley  
Authority, Wilson  
Dam, Ala.
- IV. 60-23274. canceled

10-23-63

Office of Technical Services

A Few Approximate Formulas for Adjusting Regulators, by  
Dr Ing. Winfried Oppelt, 16 pp. UNCLASSIFIED

Full translation.

GERMAN, no page, Chemie Ingenieur Technik, No 8, 1951,  
pp 190-193.

AIR F-TB-774-RE

Scientific - Engineering

62-25797

Barré, W.  
PRESSURE DROP IN PACKED TOWERS WITH AND  
WITHOUT TURBULENCE, by Barré E. Klenow  
24 Nov 51, 14p. 11 refs. TVA 3065.  
Order from ODS or BIA, 41.00

I. Barré, W.  
E. TVA 3065  
III. Tennessee Valley  
Authority, Wilson Dam,  
Ala.  
IV. 60-25257, cancelled

Trans. of Chemical Engineering Institute (West  
Germany) 1951, v. 11, p. 289-293.

DESCRIPTORS: \*Towers. \*Packing materials.  
\*Pressure. \*Reduction. \*Fluid flow.

The equations derived for the pressure drop are of  
general validity and can be applied not only to  
various sizes of all possible packing materials but also  
to the most varied mixtures of solid and loose packing.  
The conditions generally occurring in practice may be  
divided into two groups, towers in which rounded-off  
and sharp edged packings are used and which have  
approximately the same friction factors. A sufficiently  
(Engineering-Chemical, TF, v. 9, no. 9) (over)

10-2-62  
Office of Technical Services

New Method. Conductivity Measurements of Organic &  
Liquids, by L. Riedel, 18 pp. UNCLASSIFIED

GERMAN, ~~Engl.~~ Chem Ing Tech, Vol XXIII, 1951,  
pp 321-324.

ABC Tr 1822  
11,808

Scientific - Chemistry

April 54 CTS/DEX

11,808

Fully Automatic Equipment for Colorimetric  
Analysis, by Hans Fuhrmann, 10 pp,

Vol. XXVI  
GHELMAN, per, Chem Eng Tech, 51-25, 1951,  
pp 401-414.

~~TOP SECRET~~  
AEC Tr No 1993

Scientific - Engineering, Summary  
Feb 55 CTS

2/230



**Thermal Conductivity Measurements on Mixtures  
of Various Organic Compounds With Water, by  
L. Reichl, 24 pp.**

**CHIMIE, par, Chemie Ingenieur Technik, Vol XXIII,  
No 19, 1951, pp 455-469. 9887284**

**DOC 2810-40**

**Doc. - Wilson  
Oct 63**

~~Enthalpy Concentration Diagram of the System Water-Sulfuric Acid-Sulfur Trioxide~~, by B. O. A. Hedstrom, E. Tjus, 7 pp.

GENERAL, part, Chem Eng Tech, Vol XXIV, No 1, 1952, pp 22-25.

ASH

Sci

95,096

Aug 59

Flow Forms and Heat Transfer in Air-Fluidized  
Beds of Loose Material, by N. Wicke, K. Hedden,  
34 pp.

Chemical, per, Chem Ing Tech, Vol XXIV, 1952,  
pp 88-91.

SIA Tr 2230

Sci - Physics

50,609

Aug 57

Some Information Concerning the Winkler Patents  
and Their Influence on the Former German Patent  
Office, by W. Rabbuch, 4 pp.

CHERMAN, par, Chem Ing Tech, Vol XXIV, No 2, 1952,  
pp 92.

SIA Tr 1953

Bel - Fuels  
Jul. 57

50, 016

Industrial and Economic Prospects of Carbon Monoxide  
Hydrogenation, by Heinrich Trum

GERMAN, per, Chemie-Ingenieur-Technik, 1952, pp 237-247.

S.L.A. Tr Pool

Scientific - Metals  
OTB/DEK

14,410

Rheology and Chemical Engineering, by W. Meskat,  
32 pp.

Full translation.

GERMAN, per, ~~Chemie-ingenieur-technik~~, Vol XXIV,  
No 6, 1952, pp 333-338.

S.L.A.

Scientific - Electricity  
Scientific - Chemistry

Jul 55

27,072

On the Gase Formation in Gas Producers, by Franz  
Sobell .

*SEARCHED*

~~FRANZ, ING.~~ Chemie-Ingenieur-Technik, No 6, 1952,  
PP 310-311, 317.

S.L.A. T. Pool

Scientific - Chemistry  
CRS/USC

14,321

Elemental Analysis of the Starting and Working  
Processes, by W. Noble, B. Hackett, 15 pp.

REFERENCE, per Chem Eng Technol, Vol XXIV, No 9,  
1952, pp 494-500.

Assoc Tech Sv 398130

Box  
Page 50

*70, 710*



COM-INT-TECHNICAL

1450	VZB	N1	7442-093	70-23471	(C)
1451	VZB	N2	7442-093	70-23178	(C)
1452	VZB	N3	7442-093	70-23179	(C)
1453	VZB	N1	7442-136	70-23180	(C)
1454	VZB	N2	7442-136	70-23181	(C)
1455	VZB	N3	7442-136	70-23182	(C)
1456	VZB	N1	7442-140	70-23183	(C)
1457	VZB	N2	7442-140	70-11103-07A	(C)
1458	VZB	N3	7442-140	70-11500-20M	(C)
1459	VZB	N1	7442-140	70-11500-07A	(C)
1460	VZB	N2	7442-140	70-21101	(C)
1461	VZB	N3	7442-140	6701100	(CATS)
1462	VZB	N1	7442-140	70-21500	(C)

The Development of the Calcium Cyanamide  
Process, Albert R. Frank on his 80th Birthday,  
by E. Hinks, 9 pp.

GIBSON, per, Chemie Ingenieur Technik, Vol XXIV,  
1952, pp 609-610.

S.L.A. Tr 1169/1956

40, 086

EE - Germany  
Nomenclature  
Sci - Chemistry  
Oct 56 GIB

Practical Experience With Pipe Lines in Chemical  
Installations, by K. Egler

GLIMMER, per, Chem Ing Tech, Vol XXV, No 1, 1953,  
pp 23-46.

TRF3/HIB T. 4153

Scientific - Chemistry  
CIA/DCI

8190

Noble Metal Alloys with Special Resistance  
To Strong Mineral Acid, by Johannes Schatz,  
22pp  
GERMAN, per, Chemie-Ingenieur-Technik, Vol 25,  
1953, No 2, pp 61-65  
SIA TF-64-20496

Sci - Meta  
June 67

327,547

Mixing of the Flowing Medium in Liquid  
Fluidized Beds, by E. Wicks, H.  
Trawinski, 22 pp.

CHENMAN, par, Chemie Ingenieur Technik,  
Vol. VVK, No 3, 1953, pp 114-124.

ADM-148400

Sci.  
Mag. 52  
Vol. IV, No 2

*188, 857*

Composition of Soft Materials in Food Preparation,  
by Werner Mialki, 8 p.

GERMAN, *Chem-Ing-Technik*, 1953, Vol XIV, No 3,  
pp 137-140.

SLA 60-10370

Vol.  
Apr 60  
Vol. XII, No 3

112, 147

Obtention en Continu de Composés Purs de Cerium  
au Moyen D'Une Colonne D'Extraction à Contre-  
Courant, (Continuous Preparation of Pure Cerium  
Compounds by Use of a Counter-Current Extraction  
Column), by R. Bock, K. H. Meyer, 10 pp.

GERMAN to FRENCH, per, Chem Ingr Tech<sup>c/</sup>, Vol III,  
1953, pp 141-142.

Reverse trans  
CEA tr-A-343

Sed - Chem  
Feb 60

The "Reversible" Adsorption as a Device for the Preliminary Purification and Separation of Gas Mixtures, by Dr. Ing. Heinrich Kahle, 25 pp.

Full translation.

GERMANY, *Chemie Ingenieur Technik*, Vol XXV, No 3, 1953, pp 144-148.

CIA/FDD/X-951

Scientific - Chemistry

3666



Elutriation of Fines From Fluidized Systems and its  
Relation to the Viscosity of the bed, by H.  
Trawinski, 9 pp.

GERMAN, *paper*, Chem. Eng. Tech., Vol 25, 1953,  
pp 201-203.

SLA TR 57-2056

Sci

65,774

Effective flow Resistance and Heterogeneity of Fluidized Beds, by H. Trawinski, 22 pp.

GERMANY, *ger*, *Chemie Ingenieur Technik*, Vol XIV, No 5, 1953, pp 229-237.

ATS-152400

ATS-830-GJ

Sci  
Mar 52  
Vol XV, No 2

198, 855

(TDD 112454)

Heat Transfer and Pressure Drop in Starting Area  
of Air-Passed Slots, by Von A. Rausfeld, 17 pp.

(KIRF431), photostat, Chemie-Ingenieur-Technik,  
Vol XIV, No 5, Weidman, 1953, pp 249-252.

CIA/TDD/U-6777

Ref - Germany  
Ref - Misc, heat transfer

21,329

CIS 53/Dec 54

Thermodynamic and Heat Dissipation Problems in  
Synthesis Reactions With Special Regard to Hydro-  
carbon Synthesis According to Fischer-Tropsch, by  
I. O. Dorschner, 19 pp.

GERMANY, *ibid.*, Chem. Ing. Tech., Vol XIV, May 1953,  
pp 2177-2185.

SLA Tr 57-1788

Sci

Man. 58

65,900

General Theoretical Considerations on the  
Progress of Chemical Reactions... (Thermo-  
dynamische und Waermeableitungs Probleme  
bei Synthese-Reaktionen), by O. Dorschner  
GHEFMAN, per Chemie-Ingr. Tech. Vol. 25,  
No. 6, 1953, pp 277-285  
GHC

B01 -  
Aug 67

337-553

Deposition of Finely-Divided Materials on the Wall  
of Capillary, by H. Rumpf, 44 pp.

OSWALD, Irving, Chem.-Ingenieur-Technik, Vol XXV,  
No 6, 1953, pp 317-327.

CIA/FDD U-8701

38,877

ESLar - Germany

Sci - Engineering, process engineering

Aug 56 CNS/DEE

The Cyclone as a Drop Separator, by A. J. Linden,  
10 pp.

GENMAN, par, Chemio-Eng Techn, Vol XXV, No 6, 1953,  
pp 328-330.

NIE 9-44

Scientific - ~~Methods~~  
Nov 56 CES

*Chemistry*

*40,398*

The Hydrocyclone as an Auxiliary Apparatus for the Refinement of Raw Materials, by H. Travinski, 27 pp.

GRIFFMAN, per, ~~Chemical Technol.~~ Vol XXV, No 6, 1953, pp 331-341.

A.E.R.E. Harwell  
Tr 605

Sci - Engineering

37,101

Aug 1954



Computing Devices for the Solution of Problems  
in Chemical Engineering Technology, by Otto Fuchs,  
40 pp.

CHEMMAN, Opt. Chem Eng Tech, Vol XXV, 1953,  
pp 377-389.

ABC Tr 2101

Scientific - Engineering

CTS 67/Apr 55

*23,008*

Production of Granules (pelletizing) From  
Dusts and Small-Particle-Size Materials,  
by E. F. Reich.

Chemical Engineering, Vol  
XXV, 1953, No 8/9, pp 437-441.

Henry Krutcher Dr 3638

Sci - Chemistry, Engineering

34,905-

May 1956

\$6.90

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212428

Nov 8/9

AEC-Tr-5641

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346164

Aug 68

Heat Transfer in Evaporation. L. S. G. ...

GERMAN, ~~per~~, Chem. Ing. Tech, ~~Vol~~ Vol XXV,, 1953,  
pp 477-480.

ARC Tr No 2063

Scientific - Physics, Chemistry Feb 55 CTB

21, 295

Behavior of Steels Exposed to Hydrogen Under High Pressure. Part I of paper entitled "Constructional Materials for High-Pressure Syntheses", by O. van Rossum. UNCLASSIFIED.

*S. A. 50*  
ZVICH, per, Chemie-Ingenieur-Technik, Vol XXV, Nos 8, 9, 1953, pp 481-484.

*S. A. 50*  
Butcher Tr No 3254

Scientific + Min/Metals

17,366

Questions on Industrial Material in High Pressure  
Synthesis, by O. Van Rossum, 16 pp. UNCLASSIFIED.

GERMANY, Zeitschrift für Chemie Ingenieur Technik, Vol XXV,  
1953, pp 481-487.

CIA/FED/X-1479

Scientific - Chemistry

13,644

62-20185

Haken, H. V.  
CALCIUM CARBIDE: A KEY PRODUCT OF THE  
CHEMICAL INDUSTRY. 27 Oct 53, Sp. 1 ref.  
Order from SLA \$1.10 62-20115

Trans. of Chemie-Ingenieur-Technik (West  
Germany) 1953, v. 25, no. 8/9, p. 534-536.

DESCRIPTORS: \*Calcium compounds, \*Carbides,  
Chemical industry, Manufacturing methods.

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

I. Haken, H. V.  
II. Title: Key ...

Office of Technical Services

Performance of Thin-Layer Evaporations with  
Compulsorily Developed Films, by  
W. Hauschild.  
GERMAN, per, Chemie Ingenieur Technik,  
Vol 25, No 10, 1953, pp 573-574.  
NTC 69-12561-07A

Sci-Chem  
Aug 69

388,516



The Twin Nozzle in Spray Drying, by E. Tuck,  
14 pp.

<sup>CJ</sup>  
GERMAN, Ger, Chem Ing Tech, Vol XXV, No 10,  
1953, pp 620-622.

BLA 3245

Doc

71,577

AME 58

Kauter, C. T. and Lettenberger, W.  
PLANT SCALE PRODUCTION OF HYDROGEN  
CYANIDE ACCORDING TO ANDRUSOW. [1962] 13p.  
7 refs.  
Order from S.L.A. \$11.60

62-20044

Trans. of Chemie-Ing[enieur]-Technik (West  
Germany) 1953, v. 25, no. 12, p. 697-701.

DESCRIPTORS: \*Hydrocyanic acid, Industrial pro-  
duction, Methanol, Ammonia, Air, Purification,  
Chemical reactions, \*Towers (Chemistry), \*Platinum  
catalysts, Rhodium alloys, Natural gas.

This is a description of a large industrial plant for the  
synthesis of hydrogen cyanide from methane, ammonia  
and air. The raw materials are liquid ammonia and  
so-called Ruhr pipe-line gas, which was mixed with  
water-gas and converted to methane. The plant  
(Engineering--Chemical, T, v. 9, no. 12) (over)

62-20044

I. Title: Andrusow process  
I. Kauter, C. T.  
II. Lettenberger, W.

TT-64-20886

Office of Technical Services

Acetone Content of the Gaseous Phase Over Saturated  
Acetylene-Aceton Solutions, by H. P. Holmann,  
I. R. Husselman, 9 pp.

*11/21/53*  
CHERMAN, per, Chem. Ing. Tech., Vol ~~XII~~, 1953, pp  
735-737.

SLA Tr 57-2003

Ed.1

Jim SB

*68,886*

A New Universal Vapor-Pressure & Formula.  
Studies of Extension of Theorem of Corresponding  
States, by L. Riedel, 24 pp.

GERMANY, per, Chem Ing Tech, Vol XXVI, No 2,  
1954, pp 83-89.

BIA Tr 2034

SLA-IT-44-14672

49,936

Sci - Chem  
Jul 57

The Transmission of Gases and Vapours  
Through Paper, by W. Vollmar, 8 pp.

Continued, part, Chem Eng Tech, No 2, 1954,  
pp 90-94.

SLA 2: 57-142

Sci.

Jul 58

67,955

TT-64-14410

Oehley, E.  
GAS IGNITION POINT AND DROP IGNITION POINT.  
[1963] 12p (figs tables omitted) 10 refs  
Order from SLA #1.60 TT-64-14410

I. Oehley, E.

*SLA # 1023/1956*

Trans. of Chem[ist]-[ing]neer]-Tech[nic]  
(West Germany) 1954, v. 26, no. 2, p. 97-100.  
(Abstract available)  
Another trans. is available from SLA as no. 1823

DESCRIPTORS: \*Ignition, \*Autoignition, Combustion,  
Liquids, Classes, (Organic compounds, Vapors,  
Safety, \*Accidents.

Besides the temperature which determines the  
autoignition of gases and vapors, the "gas ignition  
point", many combustible chemical substances also  
exhibit still another, usually much lower, "drop  
ignition point", at which the liquid phase of the  
substance is ignited upon impingement on a  
(Engineering--Safety, TT, v. 11, no. 11) (over)

Office of Technical Services

Evaluation of Mixers With the Help of Statistic  
Methods, by K. Stange.

GERMAN, *paper*, Chem Ing Tech, No 26, 1954, pp  
150-155.

INSDOC-T16b5

Sci.  
Apr 59

84,904

Centrifugal Separating Devices With Maximal Separating Action, by H. Trawinski, 61 pp.

GERMANY, paper, Chemie-Ingenieur Technik, Vol XXVI, 1954, pp 189-201.

S.L.A. Tr I-741/1955  
TF-64-10482

Sci - Engineering  
Apr 1957 CTB/dex

50,331



Manufacture of Acetylene by Incomplete Combustion  
of Hydrocarbons With Oxygen, by H. Sachsse, 28 pp.

GERMAN, per, Chem - Ing Tech, Vol XXVI, No 5, May 1954,  
pp 245-253.

Sci - Chemistry  
Mar 58

SLA 2826

58,760

Problems of Large-Scale Industrial Plants for Production  
of Acetylene by the Oxygen Process, by E. Bartholome,  
19 pp.

GERMANN, Diet, Chem - Ing. Tech. Vol XXVI, No 5, May 1954,  
pp 253-258.

SLA Tr 2625

Sci - Chemistry  
Feb 58

59,512

Liquid Density in a State of Saturation. Investigation on an Expansion of the Theorem of Consistent Conditions. Part II, by L. Niesel, 24 pp.

Reference: par, Chemie Ing Techn, Vol XXVI, No 5, 1954, pp 259-264.

S.L.A. Tr No 536/1955

S.L.A. Tr No 14663  
413, 880

Sci - Chemistry  
Mar 1957 OTH/Gen

Heat Transfer in Fluidized Beds, by E. Wicke, P. Fetting,  
33 pp.

QUEBRIAN, per, Chem Eng Tech, Vol XXVI, 1954, pp 301-309.

SLA Tr 3034

Sci - Electronics  
Feb 58

59,551

Atomization of Liquids, by H. A. Troesch.

GERMAN, per, Chemie-Ing-Techn, Vol XXVI, No 6,  
1954, pp 311-320.

T.I.L. T. 4546

Sci - Chemistry

35,708

Jun 1956

XNASA

*from ...*  
*June 1956*

The Degree of Mixing in a Random Mixture as the  
Basis for Evaluating Mixing Experiments, by K.  
Stungs, 317 p.

CHIMIAN, Jour, Chem-Eng-Tech, 1954, Vol XLVI, No 6,  
pp 330-337.

Sol  
Mar 60  
Vol 2, Iss 11

REF ID: A65-10223  
SLA 79-20132

AEC 1677  
AEC 74-119

109,576

Remarks on the Pre-Examination of American Patent Applications, by K. Michaelis, 7 pp.

ORSHAN, per, Chem Eng Tech, 1954, Vol XXVI, p 421.

SLA 57-1783

Sci

May 58

63,125

Gas Bubbles in Liquids, by W. Siemes,  
74 pp.

GERMANY, per, Chemie Ingenieur Technik, Vol XXVI,  
1954, pp 479-496.

CIA/Z-257

Sci - Physics  
Mar 57 CIB/dax

45,079



Basodur: Construction Material For Chemical  
Technology, by Werner Kunzer, Karl Vogel, 18pp  
GERMAN, per, Chemie-Ing Technik, Vol 26, 1954, No 10  
pp 555-561  
SLA TR-64-20492

Sci - Mat  
June 67

327,493

The Use of Electro-Graphite and Hard-Burned  
Coal in the Construction of Chemical Apparatus,  
pp 3 pp.

CONTINUED, per, Chem Ing Tech, Vol XXVI, No 10,  
1954, p 572.

SLA Tr 57-789

Sci - Chemistry, Fuels 53,911

Sep 57

62-10230

Siemes, W.  
THE RISE OF GAS BUBBLES IN LIQUIDS. Pt. 2 of  
Gas Bubbles in Liquids. [1961] [45 p. 57 refs.  
Order from SGA \$4.60 62-10230

I. Siemes, W.  
II. Title: Gas ...

Trans. of Chemie-Ingenieur-Technik (West Germany)  
1961, v. 25, no. 11, p. 614-630.

DESCRIPTORS: \*Liquids, Gases, \*Bubbles, Growth,  
Pressure, Hydrostatic pressure, Hydrodynamics,  
Velocity, Viscosity, Mathematical analysis.

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

Office of Technical Services

62-14037

Naseemetala, H.  
AUTOMATIC COUNTING AND SIZING OF MICRO-  
SCOPIC PARTICLES. [1961] 39p. (4 figs. omitted)  
30 refs.  
Order from SDA \$2.60 62-14037

I. Naseemetala, H.

Trans. of Chemist-Ingénieur-Tech[ni] (West  
Germany) 1954, v. 26, p. 661-667.

DESCRIPTORS: \*Particles, \*Counting methods,  
Automatic, Aeronautics, Instrumentation, Determination.

(Nuclear Physics)-Particles, TT, v. 8, no. 2

Office of Technical Services

by G. Telle,  
The Improved Photosensitizer, 6 pp.

(SUMMARY), Chem Eng Tech, Vol LXVI, 1974,  
pp 681-686.

ABC Tr 3582

Ref - 11/1/74

Apr 75

85,745

62-22696

Studien. Exmt.  
PRODUCTION OF POTASSIUM FERTILIZER SALTS  
FROM CRUDE SALTS BY FLOTATION. (1962) 10p.  
Order from K-H \$22.50 K-H 3424-b

- I. Rusberg, E.
- II. K-H-3424-b
- III. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Trans. of Chemie-Ingenieur-Technik (West Germany)  
1963, v. 27, no. 1, p. 3-4

DESCRIPTION: Potassium, Fertilizers, \*Salts, Pro-  
duction, Flotation

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

Office of Technical Services

Hydroxycyanides in Ore Dressing, by H. Traviniski, 18 pp  
GERMANY, *Chem Eng Tech*, Vol XXVII, No 1, 1955,  
p 13-17.

SEE IRLA 59-10640

Sci - Engr  
Vol 2, No 1

97,300

TT-64-14908

Benzler, H. and Koch, A. v.  
DIAGRAM OF STATES FOR ETHYLENE UP TO  
10,000 METRIC ATMOSPHERES PRESSURE. [1964]  
14p. Broch.  
Order from SLA \$1.60 TT-64-14908

I. Benzler, H.  
II. Koch, A. v.

Trans. of Chem. [ingieur]-Technik (West  
Germany) 1955, v. 27, no. 2, p. 71-75.  
Another trans. is available from K-H \$17.50 as  
K-H-3485-a [1962] 14p.

NASA TT-F-822

K-H 3485A

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

Office of Technical Services



62-20072

Krupp, H.  
MAGNETIC OXYGEN DETERMINATION USING A  
HOT WIRE ARRANGEMENT. [1962] [23]p. 11 refs.  
Order from SIDA \$2.60 62-20072

I. Krupp, H.

Trans. of Chem. Eng. Technol. (West  
Germany) 1955, v. 27, no. 2, p. 79-83.

DESCRIPTORS: \*Wire, \*Connection, Chemical  
analysis, \*Oxygen, Magnetic fields, Magnetic prop-  
erties, \*Gas analysis.

(Engineering--Chemical, TT, v. 10, no. 11)

Office of Technical Services

Investigations of Tube Bundle Heat Exchangers,  
by W. Lulke, by 12 pp.

GERMANY, Ber, Chem -Ing -Tech, Vol XXVII, No 3,  
1958, pp 1942-1948.

Assoc Tech Sv 838100

Sci.  
Aug 58

70,762

The State of the Development and Application  
of Hydrocyclones, by F. J. Fontein, 10 pp.

1977, ~~Year~~, Chemie Ingenieur-Technik, Vol  
XVII, No 4, Apr 1977, pp 196-198.

A.E.R.E. Harwell Nr No 617

Sci - Geophysics, cyclones, dust removal

May 1978

33,871

Riedel, L.  
COMPRESSIBILITY, SURFACE TENSION AND THERMAL CONDUCTIVITY IN THE LIQUID STATE.  
[1963] 28p

Order from K-H \$13.00

K-H 3663

Trans. of Chemische Industrie-Technik (West Germany)  
1955, v. 27, no. 4, p. 209-213.

DESCRIPTORS: \*Liquids, \*Compressive properties,  
\*Surface tension, \*Thermal conductivity.

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

63-22482

- I. Riedel, L.
- II. K-H-3663
- III. Krause-Hooker Science Library Associates, Detroit, Mich.

TT-61-15119

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Problems of Continuous Processes in the Con-  
sumer Goods Industry, by K. Riesa.

(NIRMAN), per, Chem Eng Tech, Vol XXVII, Aug-  
1955, pp 457-464.

ASLJB-GB121

Sci

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71,605

Schulte-Vieting, H. -].  
THE HEAT AND MATERIAL TRANSFER BETWEEN  
VAPOR BUBBLE AND LIQUID IN OXYGEN/NITROGEN  
MIXTURES (Die Wärme- und Stoffaustausch zwischen  
Dampfblase und Flüssigkeit in Sauerstoff/Stickstoff-  
Gemischen). [1962] [20] p. 27 refs.  
Order from S.A. 81.60

62-20129

Trans. of Chem[ie]-Ingenieur]-Techn[ik] (West  
Germany) 1955, 4: 27, no. 879, p. 507-512.

DESCRIPTORS: \*Liquefied gases, Mixtures, \*Oxygen,  
\*Nitrogen, Purification, [Distillation, Rectifiers,  
Towers (Chemistry)], \*Heat transfer, \*Mass transfer,  
Vapors, \*Bubbles, Geometry, Dynamics, Velocity.

(Engineering--Chemical, TT, v. 9, no. 12)

62-20129

H. Schulte-Vieting, H. -].

Office of Technical Services

Automatic Particle Size Analysis of Dis-  
persed Systems by Photoelectric Scanning,  
Part I, by H. Massenstejn.

GERMAN, ~~Inst.~~, ~~Chemie-Ingenieur-Technik~~,  
Vol XXVII, No 8/9, 1955, pp 535-542.

CSIRO

Sol - Engin

192, 714

Apr 62

62-18249

Saechtling, Hannjürgen.  
POLYVINYLCHLORIDE AND POLYETHYLENE: THE  
MOST IMPORTANT CORROSION-RESISTANT PLAS-  
TICS (Polyvinylchlorid und Polyäthylen: Die Wichtigsten  
Korrosionsbeständigen Kunststoffe). [1962] [9]p.  
(foreign text included) 7 refs.  
Order from SLA #1.10

62-18249

Trans. of Chemil.-Jugendur-Technik (West Germany)  
1955, v. 27, no. 10, p. 602-604.

DESCRIPTORS: \*Polyvinyl chloride, \*Polyethylene plas-  
tics, Plastics, \*Corrosion inhibition, Physical proper-  
ties, Chemical properties.

Polyvinylchloride and polyethylene represent very valu-  
able materials for the chemical industry and also for the  
construction of pipe-lines because of the chemical  
resistance of these plastics and the favorable possibil-  
(Materials--Plastics, TT, v. 9, no. 6) (over)

I. Saechtling, H.  
II. Title: Most ...

Office of Technical Services



62-20130

Lindt, G.  
EFFICIENCY GRADE OF A SIEVE TRAY IN THE  
TEMPERATURE RANGE OF LIQUID AIR (Wirkungs-  
grad eines Siebtrayens im Temperaturgebiet des  
flüssigen Luft). [1962] [24]p. 16 refs.  
Order from S.L.A. 42.60 62-20130

I. Title: Sieve plates  
I. Lindt, G.

Trans. of Chem[ist]-[ing[enieur]-Techn[ik] (West  
Germany) 1955, v. 27, no. 11, p. 661-668.

DESCRIPTORS: \*Liquefied gases, Mixtures, \*Oxygen,  
\*Nitrogen, \*Argon, \*Separation, Rectifiers, Strainers,  
\*Towers (Chemistry), Vapor pressure, Foams, Low  
temperature research.

On a single experimental tray which had been designed  
in such a manner that the intermixing of the liquid was  
greatly promoted, the transfer ratio (gain ratio), pres-  
sure drop of the vapor, and the height of the foam or  
(Engineering-Chemical, TT, v. 9, no. 12) (over)

Office of Technical Services

Intermittent Measurement of the Heat Transmission  
of Ring Packings, by E. Glaeser.

~~CHERNOU~~, ~~Eng~~, ~~Chem Eng Tech~~, Vol XXVII, No 11,  
1955, pp 637-642.

ASLIB-6839

Sci - Chem

Jun 59

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The Slag Bath Generator, by R. Rummel.

(MIRMAN, per, Chem Eng Tech, Vol XVIII, No 1,  
1956, pp 25-30.

114  
UKSM  
Ref No 3141

Doc.

Jul 58

68,053

A High-Precision Couette Type Absolute Viscometer, by B. Peter and W. Slivka, 10 pp.

GERMAN, *Chem Ing Technik*, Vol XXVIII, No 1, 1956, pp 49-53.

Assoc Tech Serv  
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Sci

71,583

Aug 58