

Smoked Meat and Its Products in Regard to
Formaldehyde, by J. Koblitz.

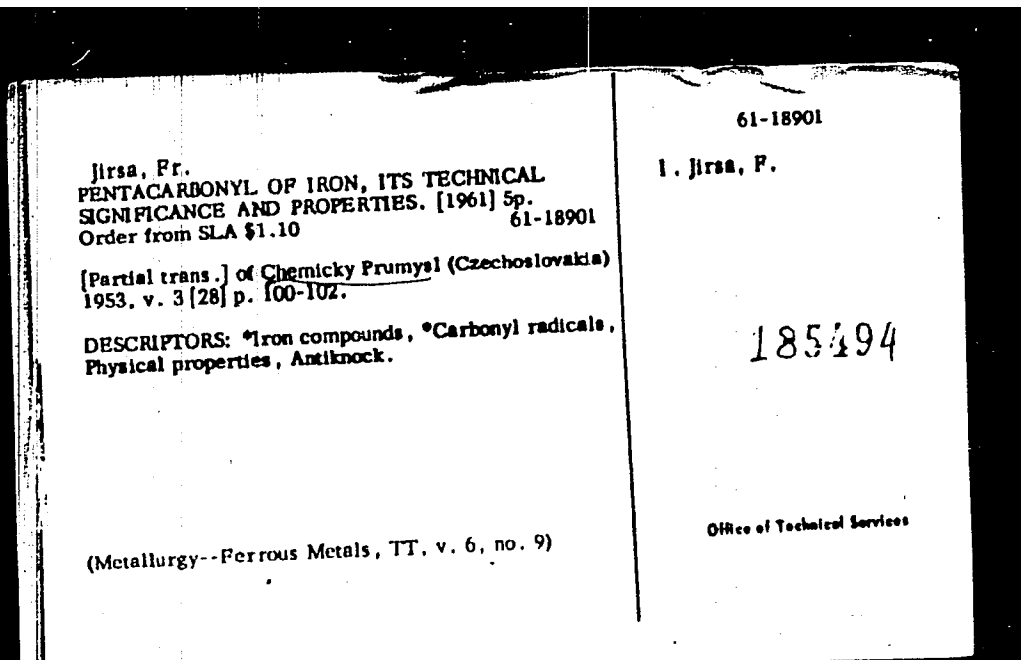
GERMAN, par. Chemicky Obzer, Vol XXV, 1950, pp 21-24,
42-44.

D.S.I.F./11018/CT

Scientific - Chemistry

dex only

12,184



Jirsa, Fr.
PENTACARBONYL OF IRON, ITS TECHNICAL
SIGNIFICANCE AND PROPERTIES. [1961] 5p.
Order from SLA \$1.10 61-18901

[Partial trans.] of Chemicky Prumysl (Czechoslovakia)
1953, v. 3 [28] p. 100-102.

DESCRIPTORS: *Iron compounds, *Carbonyl radicals,
Physical properties, Antiknock.

(Metallurgy--Ferrous Metals, TT, v. 6, no. 9)

61-18901

I. Jirsa, F.

185494

Office of Technical Services

61-18835

Slejhar, Jiri.

THE RIPENING OF VISCOSE. [19(1)] [43]p. 2 refs
Order from SLA \$4. 60 61-18835

I. Slejhar, J.

Trans. of Chemicky Prumysl (Czechoslovakia) 1953.
v. 3[28] no. 7/8, p. 255-258; no. 9, p. 313-316;
no. 10, p. 356-363.

DESCRIPTORS: *Cellulose, Processing, Oxygen,
Chemical reactions, Xanthic acids, Acids, Sulfides

Analysis of experimental facts hitherto known and original observations indicate that sulfidation of alkali cellulose takes place in two steps: (1) slowly-formed but stable xanthates of the sixth hydroxyl, capable of subsisting even in a medium with a relatively low CS₂ concentration; and (2) rapidly-formed but unstable xanthates on the second and third hydroxyls, which require high concentration of CS₂ for their formation and (Chemistry--Organic, TT, v. 7, no. 4) (over)

Office of Technical Services

The Tower Method of Sulphuric Acid Production
and Its Prospects, by Zdenek Neudorfl, 9 pp.

UNCLASSIFIED

CZECH, per, Chemicky průmysl, Praha, Vol IV,
No 1, Jan 1954, pp 12-15, Encl to AFOIN 1A1-
~~147-55~~, 1 Feb 1959, CIA D 179382

AF 651441

23,510

Scientific - Chemistry May 55 CTS/DEX

Svitpren, Domestic Oil-Resistant Synthetic Rubber,
by Mir Babek, 9 pp. UNCLASSIFIED

CZECH, per, Chemicky Průmysl, Vol IV, No 1, ¹⁹⁵⁴ pp 15-
19, No 2, pp 53-56, Encl to 1A1-183-55, AFOIN.
CIA D 180754

AP 653391

Scientific - Chemistry
May 55 CTS

23,786

63-18256

Pech, J., Broulik, D., and Mensik, P.
DETERMINATION OF SMALL QUANTITIES OF
OXYGEN IN GASEOUS BUTADIENE. [1963] 6p. 6 refs
Order from SLA \$1.10 63-18256

I. Pech, J.
II. Broulik, D.
III. Mensik, P.

Trans. of Chem[icky] Prumysl (Czechoslovakia) 1954,
v. 4(29) no. 5, p. 182-183.

DESCRIPTORS: *Butadienes, Impurities, *Oxygen,
*Gas analysis, *Polarographic analysis, Lithium com-
pounds, Chlorides, Methanols, Elastomers

A method was tested for polarographic determination
of small quantities of oxygen (below 1 volume %) in
gaseous butadiene. Standards with oxygen content be-
low 20.89% were used for this purpose. The standards
were prepared by a partial bubbling of the gas to be
analyzed through a 0.1 N polarographic solution of
lithium chloride in methyl alcohol; the process was
carried out in a closed system. It was found that this
(Chemistry--Analytical, TT, v. 10, no. 11) (over)

Office of Technical Services

Dispatcher System in Directing the Production of a
Chemical Plant in the USSR, by Zd. Milbauer,
6 pp. UNCLASSIFIED

RUSSIAN, CZECH, per, Chemicky průmysl, Praha,
Vol IV, No 5, May 1954, pp 184-185, Encl to
Report No IR 221-55, AFOIN-1A1, 22 Mar 1955.
CIA D 191233

REF ID:
AF 656337

23,567

USSR
Ebur Czechoslovakia
Economic

May 55 CTS/DEX

Phosphorous Insecticide -- A New and Effective
Weapon in the Fight Against Agricultural Pests,
19 pp. UNCLASSIFIED.

CZECH, per, Chem Průmysl, MS Vol IV/29, No 7,
1954, Prague, pp 243-248.

23,393

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G-2, OSUEA G-4143

EUR - EK Czechoslovakia
Economic
Scientific - Chemistry

Apr 55 CTB/DEX

Causes of Breakdowns in the Chemical Industry,
by J. Chroustovsky, 6 pp.

CZECH, per, Chemický průmysl, Prague, Vol. ^{IV} 8,
No 8, August 1954, p 308-311, Encl to AFOIN-
LAL, IR-239-55. CIA D 206414.

AF 658038

EUR - Czechoslovakia

Eci - Chemistry Industry

Economic

26,701

Production of Electrolytic Black Manganese
Oxide (BUREL) from Waste Lye from Manufacture
of Hydroquinone, by D. Kulda.
GERMAN, per, Chem. Prunysl, Vol 4, No 10,
1954, pp 372-376.
NLL Ref: 5828.4F (12877)

Sci-Chem
Jan 69

372,646

Blechta, F.
BY-PRODUCTS OF DDT MANUFACTURE AND
THEIR UTILIZATION (Odpady Pri Vyrobe "DND" a
Jejich Zpracovani). [1961] 7p.
Order from SLA \$1.10 62-10672

Trans. of Chemicky Prumysl (Czechoslovakia) 1954,
v. 4(29) no. 10, p. 381-383.

DESCRIPTORS: *DDT, Insecticides, Chemical
industry, Benzenes, Chlorides, Hydrochloric acid,
Sulfuric acid, Manufacturing methods.

(Engineering--Chemical, TT, v. 7, no. 11)

62-10672

I. Blechta, F.

Office of Technical Services

Sulphonephthalein Indicators, by O. Lewinger.

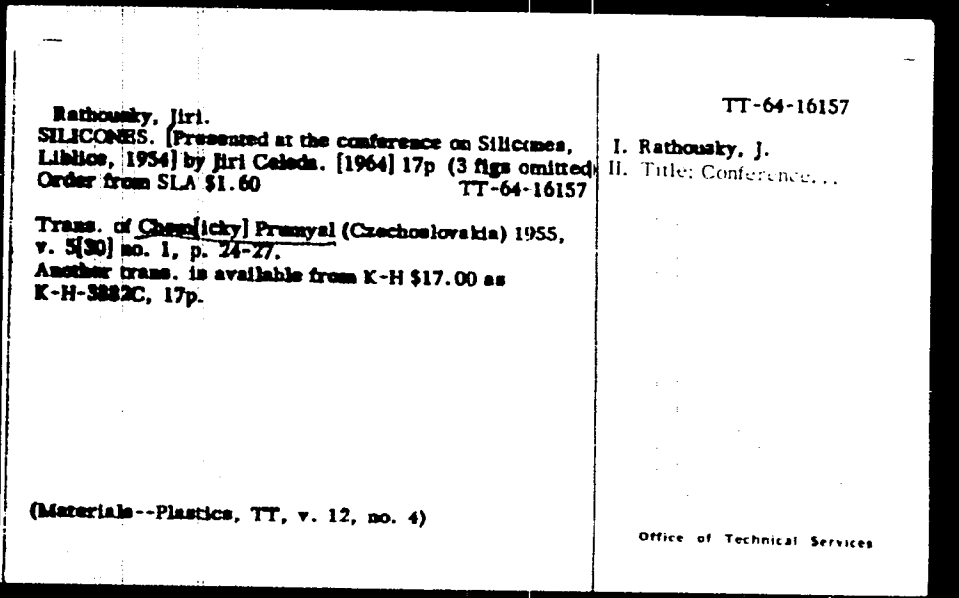
CZECH, par, Chemicky Průmysl, Vol V, No 1, 1955,
pp 7-12.

KLL M. 2935

Sci - Chem

Dec 61

177,580



Silicones, by Jiri Rathousky, 19 pp. (AF 671685).

Full tr

CZECH, per, Chemicky Průmysl, Vol V, No 1, Jan 1955,
pp 24-33.

ATIC F-TS 8766/III

REF 3882 c

Sci - Chemistry
Feb 1957 CTS/DEX

44, 439

+
(FDD 25976)

Conference on Silicones, by VZ, 7 pp.

CZECH, no per, Chemicky Průmysl, Vol V, No 1,
Prague, Jan 1955, pp 30, 31.

CIA/FDD U-8041

EBur - Czechoslovakia
Sci - Chemistry, silicones

33,725

Modern Construction Materials in the Chemical Industry, by Richard Mader, 12 pp. (AF 674986).

CZECH, per; Chemický Průmysl, Prague, Vol V (XXX), No 2 (162), 1955, pp 67-71.

ATIC F-TS-9042/III

Sci - Chemistry
Economic

46, 477

0711 10 16 11

<p>Novosad, Z. A NOMOGRAM FOR DETERMINING CHEMICAL EQUILIBRIUM IN THE SYSTEM ETHYLENE-ETHA- NOL-WATER. [1962] 5p. Order from ATS \$6.75 ATS-35P62C</p> <p>Trans. of Chem[ický] Průmysl (Czechoslovakia) 1955, v. 5(30) no. 2, p. 72-74.</p> <p>DESCRIPTORS: Nomographs, *Chemical equilibrium *Ethylenes, *Ethanolis, Water.</p> <p>(Chemistry--Physical, TT, v. 8, no. 12)</p>	<p>62-34220</p> <p>I. Novosad, Z. II. ATS-35P62C III. Associated Technical Services, Inc., East Orange, N. J.</p> <p>Office of Technical Services</p>
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Attack of Plastic Materials by Holes and Possibilities of Protection, by B. Dolezal, 6 pp. (AF 674986)

CZECH, per, Chemický Průmysl, Vol V(XXX), No 2 (162), 1955, pp 80-82.

ATIC P-18-9042/III

Sci - Chemistry

F-1412 46, 476

Current Trends in the Production of Synthetic
Fertilizers and Plant Pesticides in the USSR,
by Engr Dr E. Mucera, 17 pp. *

CZECH, no per, Chemicky Průmysl, Vol V, No 3,
Prague, Mar 1955, pp 97-101.

CIA/FDD UT-7138 (R-484)

Sci - Chemistry

34, 221

DO NOT PUT IN CTS

S-337

Automatic Regulation of the Neutralization
Process in the Production of Ammonium Nitrate.

CZECH, no per, Chemicky Průmysl, Issue 3,
p. 140. (March 1955)

Contribution to the Control of the Degree of
Washing of Photographic Emulsions, by L. Svostka,
17 pp.

CZECH, par. Chem Prumysl, Vol V, No 6, 1955,
pp 239-243.

CIA/PDD X-2637

54,924

Sci - Physics
Nov 57

Calculation of Viscosity of Organic
Liquids, by J. Kotisek, J. Marek, 6 pp.
CZECH, per, Chemicky Prumysl, Vol V,
No 30, 1955, pp 330-332.
SLA TT-66-11567

Sci - Chemistry
Sept 66

305,657

The Determination of Moisture in Gases, by
J. Feh, S. Zedek, and M. Wittova.

CZECH, per, Chem Prumysl, Vol V, No 30, 1955,
pp 219.

Assoc Tech Div 25J16C

Sci

Jul 50

KX-470-1-1-1

69, 790

A Low-Frequency Electrodeless Meter for Measuring
the Conductivity of Liquids, by M. Salamon,
P. Svitok.

CZECH, per, Chemicky Průmysl, Vol VI, No 1, 1956,
pp 10-14.

5071 A
Assoc Tech Sv
RJ-528
\$13.20 (\$2.35)

Sci - Electronics
Apr 1957 CHB/dex

46,776

Production of Nitrous Oxide by Continuous Decomposition of Ammonium Nitrate, by Jaroslav Sojka.

~~RUSSIAN~~
RUSSIAN, per, Chem Prumysl, Vol VI, (31), No 2, 1956, pp 45-49.

Assoc Tech Sv
\$19.20 Tr CJ-804

Sci - Chemistry
Aug 57

51,760

Chelatometric Determination of Lead in
Explosives, by J. Vrestal, A. Jilek, J.
Havir.

CZECH, per, Chem Prum, Vol VI, No 2, 1956,
pp 50-52. CIA 9004655

TIL No 4775

Sci - Engineering

48,680

ntc

CHEMICKY PRUNYSL

1955	V6	N10	P*10-413	70-21010	<=>
1955	V8	P501		70-21067	<=>
1955	V8	N7	P344-349	70-21011	<=>
1959	V9	P225-230		70-21013	<=>
1959	V9	P342-347		70-21014	<=>
1959	V9	N2	P48-55	70-21012	<=>

R-4245-D/a

A Laboratory Polarographical Sulphur Dioxide
Recorder, by Jaroslav Gottfried.

CZECH, PER, Chemicky Prumysl, Vol VI, No 31,
1956, pp 143-145.

*JPRS/Army Biol Lab

Sci-Chem
July 64

62-26993

Perewsky, R.
INFLUENCE DES ACTIVEURS ANORGANQUES
SUR LE DEGRÉ DE VULCANISATION DES
MÉLANGES DE CAOUTCHOUC (Influence of Inorganic
Activators on the Degree of Vulcanization of Rubber
Compounds). 17p 1 ref
Order from QTS, ETC or CNRS \$0.80 62-26993

I. Perewsky, R.
II. Centre National de la
Recherche Scientifique

Trans. in French of Chemický Průmysl (Czechoslovakia)
1956 [v. 6(31)] no. 3, p. 110-114.

DESCRIPTORS: *Rubber, *Vulcanization, Catalysts,
Carbon black, Mixtures, Magnesium, Zinc, Oxides.

(Materials--Rubber, TT, v. 10, no. 10)

Office of Technical Services

SPH(methyl Analogs of Chlorthion, by J. Drabek,
J. Felikan.

CZECH, par, Chem Průmysl, Vol VI/XXXI, No 7,
1956, pp 293.

ATS CJ-4036

Sol-Chem
Dec 63

244,899

Effect of Impurities on the Activity of Vinylacetate,
by F. Gregor.

POLISH, per, Chemically Prumys), vol. 7, p. 505-
508, 1957.

NTC 71-11122-07C

August 71

61-12667

Drahny, M.
STOICHIOMETRY AND ENERGETICS OF THE
CRACKING OF NATURAL GAS IN AN ELECTRIC
ARC. [1960] 11p.
Order from ATS \$14.10 ATS-85M47C

Trans. of Chem[icky] Prumysl (Czechoslovakia) 1956,
v. 6(31) no. 10, p. 410-413.

1. Electric arcs--Applications
 2. Gases--Processing
 3. Title: Cracking of gas
- I. Drahny, M.
 - II. ATS-85M47C
 - III. Associated Technical Services, Inc., East Orange, N. J.

ATS-CJ-2894
NTC 70-21010

Office of Technical Services

(Engineering--Chemical, TT, v. 5, no. 7)

Determination of Moisture Content in Gases, by
M. Singliar, 5 pp.

GERMAN, per, Chem Prunyal, Vol VI, 1956,
pp 425, 427.

ABC ~~RE~~ IGRL-T/C-110

Sci * Chem
May 60

117,467

<p>Drahny, M. KINETICS OF CRACKING OF NATURAL GAS IN AN ELECTRIC ARC. [1960] 13p. Order from ATS \$15.25 ATS-86M47C</p> <p>Trans. of Chem(icky) Prumysl (Czechoslovakia) 1956, v. 6(31), no. 12, p. 490-496.</p> <p>151521</p> <p>(Engineering--Chemical, TT, v. 5, no. 8)</p>	<p>61-12760</p> <ol style="list-style-type: none">1. Natural gas--Production2. Electric arcs--Applications3. Hydrocarbons-- Decomposition <ol style="list-style-type: none">I. Drahny, M.II. TS-86M47CIII. Associated Technical Services, Inc., East Orange, N. J. <p>ATS-CJ-3893</p> <p>Office of Technical Services</p>
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The Retarding Effect of Certain Substances
on the Rate of Butadiene-Acrylonitrile
Emulsion Copolymerization, by V. Svoboda.
CZECH, per, Chemicky Prumysl, Vol 7, No 4,
1957, pp 209-212.
NTC 69-11434-07C

Sci-Chem
Jly 69

387,037

63-12628

Wichterle, O. and Zelinger, J.
A METHOD OF PRODUCING LINEAR DENSITY GRADIENTS AND THEIR USE IN THE STUDY OF POLYMERIZATION. [1962] 7p.
Order from ATS \$12.00

- I. Wichterle, O.
- II. Zelinger, J.
- III. ATS-04P66C
- IV. Associated Technical Services, Inc., East Orange, N. J.

Trans. of Chem[icky] Prumysl (Czechoslovakia) 1957, v. 7(32) no. 5, p. 265-268.

ATS-04P66C

DESCRIPTORS: *Polymerization, Density.

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

Office of Technical Services

Parizek, R. and Mouchka, V.
AZO DYES DERIVED FROM LUMINOL. 7 Dec 61
[6]p. 9 refs.
Order from SLA 51, 10 62-10691

Trans. of Chemický Průmysl (Czechoslovakia) 1957
v. 7[32] p. 651-652.

DESCRIPTORS: *Dyes, *Azo compounds, Amino com-
pounds, Hydrazines

Some monoazo dyes derived from 5-amino-phthalhydra-
zide (Luminol) were prepared in the laboratory; their
properties and some exploratory experiments investi-
gating the possibility of their practical applications
are described. (Author)

(Chemistry--Organic, TI, v. 8, no. 7)

62-10691

I. Parizek, R.
II. Mouchka, V.

Office of Technical Services

The Preparation of Cyclohexylamine by the Hydrogenation
of Aniline, by A. I. Kuznetsov, et al.

CHEM, per, Chem Pruzysl, Vol VII, No 11, 1957,
pp 579-582.

Assoc Tech Serv CJ-1486
" " " TUREC

Sci - Chem

Apr 59

85, 612

Analytical Evaluation of Higher Phenolic Fractions
of Coal Tar from the Standpoint of Phenol-
Formaldehyde Resin Production, by V. Voreb, et al.
3 pp.

CZECH, per, Chemicky Prumysl, Vol VIII, No 3,
1956, pp 30, 51.

ATS-071310
ATS-07-1930

Sci - Chem
Dec 59
Vol 2, No 4

102,800

Summaries of Various Articles:

Petroleum Industry, UBSR.

CZECH, per, Chemický Průmysl, No 3, 1958;

AF 1387317

Jan 59

61-16801

Felix, Milan and Blaha, Karel.
SOME CAUSES OF THE OCCURRENCE OF "SPLIN-
TERS" IN VISCOSE STAPLE FIBER. [1961] 22p.
4 refs.
Order from SLA \$2.60 61-16801

I. Splinters
I. Felix, M.
II. Blaha, K.

Trans. of Chemický Průmysl (Czechoslovakia) 1958,
v. 8[33] [no. 3] p. 157-163.

DESCRIPTORS: *Cellulose, *Synthetic fibers, Produc-
tion, Chemical impurities.

180516

The procedure of applying statistical methods to the
search for and removal of the causes of defects in the
production process, as described in this paper, can be
used successfully for all types of "unmeasurable" pro-
duction processes in the chemical industry. (Author)

Office of Technical Services

(Materials--Textiles, TT, v. 6, no. 5)

Reactors for the synthesis of Ammonia, by A.
Baumann, P. Haeck.

CZECH, per, Chem Průmysl, Vol. VIII/XCVIII,
No 5, 1958, pp 229-233.

AMS CJ-1973

Sci - Chem

Jan 60

105,763

Contribution to the Problem of Determining the
Molecular Weights of Aminoplasts, by K. Dusek,
7 pp.

CZECH, per, Chemicky Průmysl, Vol VIII, [33],
No 6, 1958, pp 321-324.

Assoc Tech Serv 91K26C
9.75

Sci - Chem
OTS I, 4
Apr 59

85,266

Janaček, J.
DE "REPRODUCIBILITEIT " VAN DE RESULTATEN,
VASTGESTELD IN DE LABORATORIA VOOR RUBBER-
ONDERZOEK (Reproducibility of Results of Tests in
the Rubber Laboratory). 17p. MTWL: 920.
(Text in Dutch).
Order from OTC or ETC: \$1.85 61-17588

Trans. of Chemicky Prumysl (Czechoslovakia) 1958,
v. 8, p. 494-497.

DESCRIPTORS: *Rubber, Tests, Analysis.

61-17588

- I. Janaček, J.
- II. MTWL-920
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

62-26436

Kratochvil, P., Kupcik, F. and others.
OXYDATION PAR L'ACIDE NITRIQUE DE MÉLANGES
XYLESES À LA PRESSION NORMALE (Nitric Acid
Oxidation of Xylene Mixtures at Normal Pressure). 10p.
17 refs. FX-819.
Order from OTS, ETC or CNRS \$0.80 62-26436

- I. Kratochvil, P.
- II. Kupcik, F.
- III. FX-819
- IV. Centre National de la
Recherche Scientifique
(France)

Trans. in French of Chemicky Průmysl (Czechoslova-
kia) 1958, v. 8[33], no. 9, p. 449-455.

DESCRIPTORS: *Xylenes, Mixtures, Oxidation, Nitric
acid.

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

Office of Technical Services

Pasek, J. and Charuzova, L.
FORMATION OF METHYLAL IN THE PRODUCTION OF FORMALDEHYDE. [1962] 5p.
Order from ATS \$7.75 ATS-72P61C

Trans. of Chem[icky] Prumysl (Czechoslovakia) 1958, v. 8(33) no. 9, p. 455-457.

DESCRIPTORS: *Methylal, *Formaldehyde, Production

(Chemistry--Organic, TT, v. 8, no. 7)

62-22130

- I. Pasek, J.
- II. Charuzova, L.
- III. ATS-72P61C
- IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

Lasek, F. and Kudelka, F.
PROBLEMS IN PREPARATION OF ION EXCHANGERS
BY PEARL CONDENSATION. 7 May 62 [13]p. (figs.
refs. omitted) 6 refs.
Order from SLA \$1.60

63-14023

Trans. of Chem[icky] Prumysl (Czechoslovakia) 1958,
v. 8[33] p. 545-551.

DESCRIPTORS: *Ion exchange resins, Preparation,
Particles, Condensation reactions, Polymerization,
*Hydrodynamics, Equations.

The authors studied the influence of the experimental
apparatus and physical conditions on the size of grains
formed during suspension polycondensation in inert
medium. The results were given mathematical formu-
lation and compared with results of other authors. It
was shown that the dependence of grain diameter on
(Engineering--Chemical, TT, v. 10, no. 6) (over)

63-14023

1. Title: Pearl condensation
2. Title: Katox FN

Office of Technical Services

Automatic Apparatus for Elementary Analysis, by
F. Vojtech.

ANAL., per, Chem Průmysl, Vol VIII, No 33, 1958,
pp 633-636.

TIL/T5107

Sci - Chem

May 63

220,716

Polish Synthetic Rubber, 1 p. UNCL

CZECH, per, Chemicky Prumysl, No 12, 1958, p 672.

AF 1255516

EEur - Poland

Econ

Mar 59

Pressureless Copolymerization of Ethylene with
Propylene, by Rostislav Vilim, 8 p.

CZECH, pap, Chemicky Pruzmysl, 1959, Vol IX, No 2,
pp 101-104.

SLA 59-20802

Sci
Mar 60
Vol 3, No 1

110, 878

Isoprene Determination in Reaction Mixtures,
by M. Kabinova, 12 pp.

CZECH, per, Chemicky Průmysl, Vol IX,
1959, pp 160-164.

SLA 00-1573

Sci
Vol IV, No 3
23 May 62

Estimation of Copper Admixture in Metallic
Germanium by Activation Analysis, by
Gottfried.

CZECH, per, Chemicky Prumysl, Vol IX,
No 4, April 1959, pp 179-182.

*ACSI J-0131
ID 2204032066

Sci-Chem
Jun 66

**Chloromethylation of a Copolymer of Styrene
with Divinylbenzene, by F. Juricka.
CZECH, per, Chemicky Průmysl, Vol 9, 1959,
pp 269-271.
KTC-69-16289-07A**

**Sci-Chem
Feb 70**

403,011

TT-64-12754

Jelinek, J.
ALKYLATION OF PYROCATECHOL BY ISOBUTYLENE
AND DIISOBUTYLENE. [1964] 11p
Order from ATS \$14.25 ATS-73R74C

Trans. of Chem[icky] Prumysl (Czechoslovakia) 1959.
v. 9(34), no. 8, p. 398-402.

I. Jelinek, J.
II. ATS-73R74C
III. Associated Technical
Services, Inc.,
East Orange, N. J.

(Chemistry--Organic, TT, v. 11, no. 12)

Office of Technical Services

SETEE

(Oc-3552).

The Development and Prospects for Plastics in
Czechoslovakia, by Jaroslav Hnidek, |

CZECH, per, Chemicky Prumysl, Vol X, No 1, Prague,
1960, pp 41-43.

*JPRS

EEur - Czechoslovakia

Econ - Chemical industry

Mar 60

SETEE

(NY-3907)

Past and Future of Petroleum Chemistry in Czechoslovakia,
by Vladimir Vicha, 7 pp. FOR OFFICIAL USE ONLY

CZECH, per, Chemicky Prumysl, Vol. X, No 2, 1960,
pp 57-59.

JPRS 2967

EEur - Czechoslovakia
Econ - Chemical Industry
Jul 60

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119,967

<p>Kraft, O. A LABORATORY APPARATUS FOR COUNTERCURRENT EXTRACTION. [1961] 3p. Order from ATS \$4.95</p>	<p>61-25732</p>
<p>Trans. of Chem. Industry (Czechoslovakia) 1960, v. 10, no. 1, p. 84-85.</p>	<p>I. Kraft, O. II. ATS-82N55C III. Associated Technical Services, Inc., East Orange, N. J.</p>
<p>DESCRIPTORS: *Laboratory equipment. *Ionic currents.</p>	<p>182110</p>
<p>(Engineering-Chemical, TT, v. 6, no. 12)</p>	<p>Office of Technical Services</p>

05-3305

ORR

(NY-3923)

Development of Organic Chemistry in Czechoslovakia
in the Third Five-Year Plan, by Jiri Sedlacek. P. 20
FOR OFFICIAL USE ONLY

CZECH, per, Chemicky Prumysl, Vol X (XXXV), No 3,
1960, Prague, pp 113-115.

JPRS 5139

Eur - Czechoslovakia

Econ - Chem Indus
Aug 60

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122,917

Preparation of Concentrated Synthetic
Latexes, by Antonin Rysanek, 10 pp.

GERMAN, par, Chemicky Průmysl, Vol X,
1960, pp 100-102.

Chemical Translating
Service-155

Sci
Vol IV, No 9,
Mar 62

187, 135

TT-3-23775

Stabilization Properties of Cellulose Nitrate,
by F. Krejci, 9 pp. UNCL

CZECH, per, Chemicky Průmysl, No 3, 1960,
pp 123-126.

ACSI H-8305
ID 2161137

Sci - Chem
Mar 61

143,743

ORR

(OR 1963)

Development of Chemical Fiber Production in
Czechoslovakia in 1945-1960, by Jiri Brandejs,
5 pp. FOR OFFICIAL USE ONLY

CZECH, per, Chemicky Prumysl, Vol X (XXXV),
No 3, 1960, Prague, pp 153, 154.

JPRS 5139

EEur - Czechoslovakia
Econ - Chem Indus
Aug 60

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122,910

Holub, J.

CONTRIBUTION TO THE THEORY OF CONSTRUCTION OF CORDS (Prispevek k Teorii Konstrukce Kordů) [1962] [22]p. (foreign text included) 5 refs.
Order from SLA \$2.60 62-14265

Trans. of Chemický Průmysl (Czechoslovakia) 1960 v. 10(35) no. 3, p. 155-161.

DESCRIPTORS: *Tires, *Cordage, Threads, Synthetic fibers, Mathematical analysis, Plastic flow.

A mathematical analysis is made of the relationship between the spatial position of the individual fibrils, their twists, the tension, and the resulting characteristics of the cord thread. Results show that the fibril has a variable tension, which tends to even out with the length of 1 twist except for the friction among the individual fibrils. In the yarn the outer fibers show a (Machinery--Manufacturing, TT, v. 8, no. 3) (over)

I. Holub, J.

Office of Technical Services

SETOC

(DC-3986).

Development and Perspectives of the Inorganic
Chemical Industry in Czechoslovakia, by Jiri
Forman, 11 pp. FOR OFFICIAL USE ONLY

CZECH, per, Chemicky Prumysl, Vol X, No 4, 1960,
pp 169-173.

JPRS 3757

EEur - Czechoslovakia
Econ
Aug 60

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62-26435

Jiru, P.
CONTRIBUTION À L'ÉVALUATION DE L'EFFET
DES CATALYSEURS DE VANADIUM DANS LA PRO-
DUCTION D'ACIDE SULFURIQUE (Evaluation of the
Activity of Vanadium Catalysts for Sulfuric Acid Pro-
duction). 10p, 6 refs. FX-818.
Order from OTS, ETC or CNRS \$0.80 62-26435

Trans. in French of Chemicky Průmysl (Czechoslo-
vakia) 1960 [v. 10(35)] no. 4, p. 180-183.

DESCRIPTORS: *Catalysts, *Sulfuric acid, Production,
Experimental data, *Vanadium, Catalysts.

(Chemistry--Inorganic, TT, v. 10, no. 8)

- I. Jiru, P.
- II. FX-818
- III. Centre National de la
Recherche Scientifique
(France)

Office of Technical Services

Klimecek, R. and Bettelheim, J.
TRANSFORMATIONS DES GAZ RÉSIDUELS DE LA
PRODUCTION DE L'ACIDE SULFURIQUE EN PYRO-
SULFITE DE SODIUM (Working up of Terminal Gases
from Sulfuric Acid Production into Sodium Pyrosulfite).
6p. FX-802.

Order from OTS, ETC or CNRS \$0.80 62-26437

Trans. in French of *Chemicky Prumysl* (Czechoslo-
vakia) 1960, v. 10[35] no. 4, p. 190-192.

DESCRIPTORS: *Sulfuric acid, Production, Waste
gases, *Sodium compounds, Sulfites.

(Chemistry--Inorganic, TT, v. 10, no. 8)

62-26437

- I. Klimecek, R.
- II. Bettelheim, J.
- III. FX-820
- IV. Centre National de la
Recherche Scientifique
(France)

Office of Technical Services

SETOC

(DC-3986).

Development of Paint Production During the
Third Five Year Plan, by Jaroslav Valis, 4 pp.
FOR OFFICIAL USE ONLY

CZECH, per, Chemicky Prumysl, Vol X, No 4, ~~195~~
1960, pp 209-211.

JPRS 3757

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(DC-4149)

Modern Trends in the Production of Combined
Fertilizers, by Miroslav Cerny, Jan Cerny, 2 pp.
FOR OFFICIAL USE ONLY

CZECH, par, Chemicky Prumysl, Vol X(XXXV), No 5,
1960, pp 230, 231.

JPRS 3699

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Econ - Chem indus.

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Catalysts for the Preparation of Urea-
Formaldehyde Molding Compounds, by R. Kvstou,
F. Hanousek,
CZECH, per, Chem Průmysl, Vol 10, No 6,
1960, pp 331-334.
ATS CJ-4931

Sci-Mat
Feb 60

(TOP SECRET)

Conference on Investment Construction in Chemical
Industry, by Josef Kaplicky, Karol Ujhazy, 5 pp.
FOR OFFICIAL USE ONLY

CZECH, per, Chemicky Prumysl, Vol X, No 7, Prague,
1960, pp 365, 366.

JPRS 6107

EUR - Czechoslovakia

Econ

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1007, 5025

62-10124

Azmorsky, Zdenek and Jusko, Gustav.
CRYSTALLIZATION KINETICS OF THE POLYETHYLENE DERIVATIVE OF DEHYDROMUCIC ACID. [1961] I. Azmorsky, Z.
II. Jusko, G.
8p. (9 figs. omitted) 3 refs.
Order from SLA \$1.10 62-10124

Trans. of Chemicky Prumysl (Czechoslovakia) 1960
[v. 10(35)] no. 9, p. 492-495.

DESCRIPTORS: *Mucic acid, Acids, *Polymers, Ethylene derivatives, Crystallization, Temperature, Esters, Phthalates.

The kinetics of crystallization of the polyethylene derivative of dehydromucic acid was investigated in the temperature range from 140 to 180°C. The constant "k" in Avrami's equation reaches values from 10^{-4} to 10^{-8} . By comparing the rate of crystallization of (Materials--Plastics, TT, v. 7, no. 9) (over)

Office of Technical Services

Fluidized-Bed Drying, by Jozsef Vanecek,
Miloslav Markvart, et al., 11 pp.

GERMAN, per, Chem Průmysl, Vol X(35), No 10, 1960,
pp 521-525, 9207695.

AEC-Tr-5650
ATC 111217

Sci - Chem
Jun 63

231,423

(DC-5965)

^m
Development of the Chemical Industry RD During
the Second Five-Year Plan, by Frantisek Plouso,
10 pp. OFFICIAL USE ONLY

CZECH, per, Chemicky Prumysl, Vol X, No 12,
1960, pp 617-620.

JPRS 11505

EEur - Czechoslovakia
Eccm
Jan 62

180,199

62-34293

Dykyj, J., Klucovsky, P. and others.
HIGH TEMPERATURE CHLORINATION OF PROPYLENE IN A CYCLOSTIL REACTOR, Jan 62, 5p.
11 refs.
Order from ICE in v. 8, no. 1, \$15.00/year

Trans. of Chemistry Promysl (Czechoslovakia) 1961,
v. 11 (36) no. 6, p. 2811F.

DESCRIPTORS: *Propenes, *Chlorination, Reactors,
*Allyl radicals, Chlorides, High temperature re-
search, *Chemical engineering.

(Engineering--Chemical, TT, v. 8, no. 10)

I. Dykyj, J.
II. Klucovsky, P.
III. International Chemical
Engineering, New York

Office of Technical Services

62-17306

Ruzickova, J., Pokorny, S., and Mleziva, J.
PIGMENTATION OF POLYESTER VARNISHES.
[1962] 10p.

Order from ATS \$14.45

ATS-48P60C

Trans. of Chem[icky] Prumysl (Czechoslovakia) 1961,
v. 11(36), no. 6, p. 328-332.

DESCRIPTORS: Polymers, Esters, *Varnishes,
*Pigments.

- I. Ruzickova, J.
- II. Pokorny, S.
- III. Mleziva, J.
- IV. ATS-48P60C
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

(Materials--Finishes, TT, v. 8, no. 2)

Office of Technical Services

Repas, M., Stresinka, J., and Rendko, T.
SYNTHESIS OF GLYCOL ETHERS FROM ETHYLENE
OXIDE AND ALCOHOL. [1963] 8p
Order from ATS \$12.50 ATS-12Q73SK

Trans. of ~~Chemický~~ Průmysl (Czechoslovakia) 1961,
v. 11(36) no. 7, p. 345-348.

DESCRIPTORS: *Glycols, Ethers, Synthesis (Chemistry),
*Ethylene oxide, *Ethanol, *Solvents, Alcohols,

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

TT-64-12073

- I. Title: Glycol ethers
- I. Repas, M.
- II. Stresinka, J.
- III. Rendko, T.
- IV. ATS-12Q73SK
- V. Associated Technical Services, Inc.,
East Orange, N. J.

Office of Technical Services

Auto-Oxidation of Chlorotrifluoroethylene,
by D. Ambros
CZECH, per, Chemicky Prumysl, Vol 11, 1961,
pp 60-65
NTC 71-15118-07C

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A.E.C.
LB/G-3037 Uncl.

ALKALINE POLYMERIZATION OF CAPROLACTAM. V.
THE USE OF ALKALINE POLYMERIZATION FOR THE
PRODUCTION OF MASSIVE OBJECTS FROM HIGH-MOLEC-
ULAR POLY-6-CAPROAMIDE. Kralicek, J.; Sebenda, J.;
Zadak, Z.; Wichterle, O. Translated by B. K. Bowes
(Atomic Energy Research Establishment, Harwell, Eng.)
from Chem. Prumysl; 11: No. 7, 377-81(1961). 16p.

chemistry (organic); translations

ND-4 NP RC

Unlimited

62-20422

Kalafut, S. and Fogtanc, M.
INFLUENCE OF MODIFIERS ON VISCOSE GEL FOR-
MATION. Nov 62 [13]p. 13 refs.
Order from SLA \$1.60 62-20422

I. Title: Sperm oil
I. Kalafut, S.
II. Fogtanc, M.

Trans. of Chemicky Prumysl (Czechoslovakia) 1961,
v. 11(36), no. 8, p. 433-438.

DESCRIPTORS: *Cellulose, *Gels, Castor oil, Ethylene
oxide, Fatty acids, Alkyl radicals, *Methyl radicals,
*Hexyl radicals, *Amines, *Polymers, *Ethylenes,
*Glycols, Sodium compounds, Sulfates, Carbon com-
pounds, Sulfides, Zinc compounds, Lattices, Solubility,
Chemical precipitation, Neutralization, *Filaments.

The action of Na_2SO_4 on the solubility in alkaline,
neutral and acid media of some modifiers of the poly-
ethylene glycol type and N-methylcyclohexyl amine was
studied. Their solubility upon reacting with CS_2 was
(Chemistry--Physical, TT, v. 10, no. 11) (over)

Office of Technical Services

Determination of the Swelling Capacity
of Ion-Exchange Matrices Based on
Styrene-divinylbenzene Copolymers, by
K. Dusek, J. Seidl, et al., 19p.
CZECH, per, Chemicky Průmysl, Vol 11(36),
No 8, 1961, pp 439-444.
CSIR-tr.269

Sci
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333, 655

(DC-5965)

Valorization of Low-Temperature Brown Coal of
Most Tare, by Rudolf Kubicka, 16 pp. GOVERNMENT
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CZECH, per, Chemicky Průmysl, Vol 11, No. 9.
Sept 1961, pp 449-456.

JPRS 12690

EEur-Czech
Econ
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186,992

(DC-5965)

Creation of Optimum Conditions for Foam
Absorption of Sulfur Trioxide, by Vlastimil
Vicek, Vaclav Vavra, and Miloslav Stary, 5 pp.
GOVERNMENT USE ONLY

CZECH, per, Chemicky Prumysl, Vol 11, No. 9,
Sept 1961, pp 457-461.

JFBS 12690

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(DC-5965)

Partial Methanol Esterification of Silicon
Tetrachloride and Phosphorous Chloride, by
Ivo Wiesner, 5 pp. GOVERNMENT USE ONLY

CZECH, per, Chemicky Prumysl, Vol 11, No. 9,
Sept 1961, pp 461-465.

JPRS 12690

EUR-Czech
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186, 993

(DC-5965)

The Statistical Acceptance Control (Acceptance
Sampling in Continual Chemical Production, by
Miloslav Lemaric and Milan Felix, 12 pp.
GOVERNMENT USE ONLY

CZECH, per, Chemicky Prumysl, Vol. 11, No. 9,
Sept 1961, pp 465-469.

JPES 12690

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(DC-5705)

Heat Resistance of Polyester Glass Laminates,
by Vaclav Zilvar, 5 pp. GOVERNMENT USE ONLY

CZECH, per, Chemicky Prumysl, Vol. 11, No. 9,
Sept 1961, pp 493-497.

JPRS 12690

ECur-Czech
Econ
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186,996

63-12228

Tichy, V., Dusek, R., and Moudry, V.
PREPARATION OF METHYLPHENYLDIETHOXYSILANE
BY A SINGLE-STEP GRIGNARD SYNTHESIS. July 62
[9]p. 66 refs.

Order from ICE in v. 2, no. 3, \$15.00/year

Trans. of Chemicky Prumysl (Czechoslovakia) 1961
[v. 11(36)] no. 10, p. 509ff.

DESCRIPTORS: *Silanes, Methyl radicals, Phenyl rad-
icals, Ethyl radicals, Synthesis, Polymers, *Metal-
organic compounds, Lubricants, Synthetic rubber,
*Grignard reactions.

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

- I. Tichy, V.
- II. Dusek, R.
- III. Moudry, V.
- IV. International Chemical
Engineering, New York

Office of Technical Services

63-14396

Grubner, O., Ralek, M., and Jiru, P.
PREPARATION AND PROPERTIES OF MOLECULAR
SIEVES OF THE A TYPE. [1963] 7p. 17 refs.
Order from SLA \$1.10 63-14396

I. Grubner, O.
II. Ralek, M.
III. Jiru, P.

Trans. of Chemicky Prumysl (Czechoslovakia)
1961, v. 11[36][no. 10] p. 521-523.

DESCRIPTORS: *Organolites, Molecules, *Absorbents,
Synthesis, *Molecular structure, Crystallization, Ions,
Desiccants, Material separation, *Purification, Ion
exchange, Absorbents.

The present note relates the results of research on the
preparation of molecular sieves 3.8 A, 4A, and 5A, on the
testing of their properties. Detailed instructions are
given which will permit other researchers to produce,
with simple equipment, molecular sieves equal in
quality to similar foreign products. Possibilities of
industrial production of molecular sieves discussed.
(Author)

(Engineering--Chemical, TT,
v. 10, no. 4)
Office of Technical Services

(DC-5965)

Contribution of NVD to the Chemical Industry,
pp 9 pp. GOVERNMENT USE ONLY

CZECH, par, Chemický Průmysl, Vol XI (36),
No 10, 1961, pp 528, 529.

JPRS 12599

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(DC-5965)

On Production and Research Concerning
Luminescent Materials, by Frantisek Zeloudak,
5 pp. GOVERNMENT USE ONLY

CZECH, par, ~~Stranicki~~ Chemicky Průmysl,
Vol XI (36), No 10, 1961, p 533.

JPRS 12699

EE - Czech
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(S-1961)

Short Report on the Ostrava Colloquium of
1961, by Miroslav Cerny, Zdenek Cizinsky,
12 pp. GOVERNMENT USE ONLY

CZECH, per, Chemicky Průmysl, Vol XX/XXVI,
No 11, 1961, pp 589-591.

JPRS 12699

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ECOH

Mar 62

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