

The Isomeric Transformation of Urea in Aqueous
Solution, by Orfeo Turno Rotini and Goffredo
Lotti.

ITALIAN, per. Annali di Chimica, Vol 46, 1956,
pp. 440-450.

ONI 2439

Dept of Navy

Sci/Chem
Sep 67

240.570

Pyrrrole Acids Produced by Oxidation of Prophyrins,
by R. A. Nicolaus, L. Mangoni and L. Caglioti, 21 pp.
ITALIAN, per, Ann Chim, Vol XLVI, 1956, pp 793-
805.

SLA 57-3029

Sci

Aug 58

71,158

Scarpati, Maria Luisa; Oriente, Giovanna; and
Panizzi, Luigi.

ON THE CAFFEIC CONSTITUENTS IN THE
ARTICHOKE. [1962] 5p.

Order from K-H \$6.25

K-H-10216

Trans. from [Annali di Chimica] (Italy) 1957, v. 47,
no. 2.

DESCRIPTORS: *Caffeic acid, Plants, Chemical
analysis.

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

62-17614

- I. Title: Artichokes
- I. Scarpati, M. L.
- II. Oriente, G.
- III. Panizzi, L.
- IV. K-H-10216
- V. Kresge-Hooper Science
Library Associates,
Detroit, Mich.

Office of Technical Services

The Pyrrole Carboxylic Acids. Note IX.
C-ethylpyrrole Carboxylic Acids, by R. A. Nicolaus,
R. Nicolotti.

ITALIAN, par, Annali di Chimica, Vol XLVII, No 2, 1957,
pp 167-177.

NRCC TP-842

Sci - Chemistry
Jan 61

136,421

Further Examples of Reductions With
Hydrazine and Catalysts, by Silvio, 10 pp

ITALIAN, per, Annali di Chimica,
Vol XLVII, 1957, pp 410-414.

SLA 60-18056

Sci

Feb 62

186, 671

Systems Consisting of Vanadium Pentoxide
and Sesquioxides of Chromium, Iron and
Aluminum, by A. Burdese, Op.

ITALIAN, per, Annali di Chimica, Vol 47,
1957, pp 797-805.

ATS-11801 805

333, 777

Sci

Jul 67

order from NTC

ANNALI DI CHIMICA

1957 V47 P817-826	70-11564-07B
1958 V48 P428-436	70-12772-07C
1960 V50 N5 P698-703	70-2048A (*>
1963 V53 P885-893	ORNL-TR-1819

The Degredation and Structure of Nylon 66, by G.
Prati.

ITALIAN, per, Ann Chim, Vol XLVIII, No 1, 1958,
pp 15-33.

TIL T 4919

Sci - Chemistry
Jul 59

92,196

Synthesis of a Few Aluminum-Alkyl Compounds Labeled
With C , by Gastone Fajaro, 9 pp.

ITALIAN, per, Ann di Chim, Vol XLVIII, No 2, 1958,
pp 193-197.

SLA 59-15006

Sci
Dec 59
Vol 2, No 5

103,517

Cyanothylation of Hydroxyl Groups in
Cellulose. Part I. Kinetics of Secondary
Reactions, by G. Prati.
EUROPEAN, per, Annali di Chimica, Vol 48,
1958, pp 428-436.
NTC-70-12772-07C

Feb 72

Potentiometric Analyses of Alkyl Aluminum Compounds,
by M. Ferina, M. Donati, M. Ragazzini, 12 pp.

ITALIAN, per, Annali di Chimica, Vol XXXVIII,
No 6/7, 1958, pp 501-509.

SLA 60-14148

Sci

K-H 25 71

169,075

Sep 61

Vol III, No 9

Sensitisation of Gelatin Dynamites by Means of
Inert Additives, by L. Avogadro, 8 pp.

ITALIAN, per, Ann Chim (Rome), Vol XLIX, 1959,
pp 352-357.

AEC AWRE-Trans-11

Sci - Chem
9 Mar 61

141, 596

Moraglio, G. and Danusso, F.
VISCOMETRY OF POLYPROPYLENE IN SOLUTION.
Rept. from National Chemical Congress (no. 8) [held
at] Torino 27 May-2 June 58. [1961] [14]p. 1 ref.
Order from SLA \$1.60 61-18710

Trans. of Ann[ali di] Chim[ica] (Italy) 1959, 49,
p. 902-910.

DESCRIPTORS: Viscosity, *Propenes, Solutions,
*Polymers, Synthesis, Viscometers.

The viscometry of polypropylene solutions shows
normal values and course for polymers obtained di-
rectly by synthesis. Hence, by fractionation of raw
specimens, polymers of rather high intrinsic viscosity
can be separated, for which deviations from Newtonian
behavior could be found. The influence of shear rate on
the viscosity of polypropylene fractions in dilute solu-
tion has been studied. For this purpose, a viscometer
(Materials--Plastics, TT, v. 6, no. 10) (over)

61-18710

I. Moraglio, G.
II. Danusso, F.
III. Title: National...

1281

Office of Technical Services

62-16445

Sbrolli, Walter and Bertotti, Elvio.
MEASUREMENT OF THE PHOTOCHEMICAL ACTIVITY OF TITANIUM DIOXIDE. Communication to the National Congress of Chemistry (no. 8) Turin, 27 May-2 June 58. [1962] 10p. (8 figs. omitted) 9 refs.
Order from SLA \$1.10

I. Sbrolli, W.
II. Bertotti, E.
III. Title: National...

62-16445

Trans. of Annali di Chimica (Italy) 1959, v. 49,
p. 1143-1154.

DESCRIPTORS: *Titanium compounds, *Dioxides,
Silver compounds, Nitrates, Photochemical reactions,
Oxidation, Ultraviolet radiation, *Photochemistry.

A method is described for measuring the photochemical activity of titanium dioxide, based on the oxidizing action thereof on the Ag^{pos} ion when it is subjected to ultraviolet radiation. The reaction is observed by measuring the loss of reflectance as a function of time (Chemistry--Physical, TT, v. 8, no. 9) (over)

Office of Technical Services

Cultrera, Rolando and Ferrari, Giovanni.
PHOTOCHEMICAL SYNTHESIS OF AMINO ACIDS
FROM INORGANIC NITROGEN COMPOUNDS AND
TERNARY ORGANIC SUBSTANCES. [1960] [13]p.
25 refs.
Order from SLA ml\$2.40, ph\$3.30 60-18525

Trans. of Annali di Chimica (Italy) 1960, v. 49,
p. 1639-1648].

60-18525

1. Amino acids--Synthesis
2. Photochemical reactions--
Analysis
- I. Cultrera, R.
- II. Ferrari, G.

Office of Technical Services

Lemetre, G. and Caprara, G.
PHENOL BY DIRECT OXIDATION OF BENZENE.

[1961] 14p.

Order from ATS \$16.80

ATS-42N551

Trans. of Ann[ali di] Chim[ica] (Italy) 1960, v. 50,
p. 83-98.

DESCRIPTORS: *Phenols, *Benzenes, Oxidation,
Chemical reactions.

(Chemistry--Organic, TT, v. 7, no. 2)

61-25695

- I. Lemetre, G.
- II. Caprara, G.
- III. ATS-42N551
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS/757-IJ

Office of Technical Services

Kinetics of Hydrolysis of N-Substituted
Amines, Report No 1. N-Methyl- and N,
N'-Dimethyl-Acetamide, Acetanilide, by
U. Mazzucato
FRENCH, per, Annali di Chimica, Vol 50,
1960, pp 521-529
NTC 71-15258-07C

mar 72

Marchetti, E. S. and Saracco, G.
SOLUBILITY OF GASES IN ORGANIC SOLVENTS.
[1963] 7p.
Order from ATS \$8.25 ATS-46Q68I

Trans. of Ann[ali-di]Chim[ica] (Italy) 1960, v. 50,
p. 1573-1580.

DESCRIPTORS: *Gases, *Solubility, *Organic
solvents.

(Chemistry--Organic, TT, v. 10, no. 2)

63-17324

- I. Marchetti, E. S.
- II. Saracco, G.
- III. ATS-46Q68I
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Investigation of the Preparation of Alkyd Resins
Containing Boron, by G. F. Nenocetti, A. Lucchesi.
ITALIAN, per, Annali di Chimica, Vol LII, No 7,
1962, pp 546-563.
GB/39/Pa.

Sci - Chem
Apr 64

253,347

Bonino, Gianbattista and Lorenzelli, Vincenzo.
INFRARED SPECTRA OF ADSORBED MOLECULES:
PLAN OF RESEARCH AND PRELIMINARY DIS-
CUSSION. [1963] 13p 35refs
Order from SLA \$1.60

63-20351

Trans. of Annali di Chimica (Italy) 1962, v. 52, Jul,
p. 620-628.

DESCRIPTORS: *Infrared spectroscopy, *Catalysts,
Molecules, Adsorption, Spectra (Infrared),
*Spectrophotometers, Design.

After examining the difficulties characteristic of
spectrometry of the far infrared and possible applica-
tions of this technique to the study of adsorbed
molecules, initial results are reported of theoretical
and experimental research in this field. On the basis of
a systematic analysis of optical and energy conditions,
it was possible to design a high-luminosity spectrome-
(Physics--Spectroscopy, TT, v. 10, no. 12) (over).

63-20351

I. Bonino, G.
II. Lorenzelli, V.

NRCC-C-4545 (011)

Office of Technical Services

Butta, Enzo and Glusti, Paolo.
ELASTIC AND INELASTIC BEHAVIOR AND ISOPHASIC
TRANSITIONS IN ISOBUTYLENE-ISOPRENE,
BUTADIENE-ACRYLONITRILE, AND BUTADIENE-
STYRENE COPOLYMERS. Communication to the
National Congress of Chemistry (no. 9) held jointly with
the Swiss Chemical Society, Naples, 27 May-2 Jun 62.
[Nov 63] 1800 words 8refs
Order from CTS(Chem) \$7.20 OTS(Chem)-351
subsequent copies \$1.20/ea.

Trans. of Annali di Chimica (Italy) 1963, v. 53,
no. 1/2, p. 70-77. (Abstract available)

DESCRIPTORS: *Elastomers, *Polyethylene plastics,
*Butenes, *Isoprene, *Butadienes, *Acrylonitrile
polymers, *Styrene plastics, Copolymerization,
Mechanical properties, Elasticity, Sound transmission.

(Materials--Elastomers, TT, v. 11, no. 5) (over)

TT-64-12039

- I. Butta, E.
- II. Glusti, P.
- III. CTS(Chem)-351
- IV. Title: National ...
- V. Chemical Translating
Service, Palo Alto, Calif.

Office of Technical Services

Complexes of Metal Ions With Tartronic, Malic,
Malonic, and Succinic Acids, by E. Campi.
ITALIAN, per, Ann Chim., No 53, 1963, pp 96-116.
ATS-IJ-1511

ATS 415871

Apr 72

Microscopic Examination of the SrO-TiO₂ System,
by Antonio Cocco, Franco Massazza, 19 pp.
ITALIAN, per, Ann Chim, Vol 53, 1963, pp 883-893.
AEC/ORNL-Tr-1819-69

Sci/Chem
May 69

377,469

R-4210-D
Chronophotometric Measuring of Chemoluminescence of
Irradiated Amino-3 Acids, by Enrico Bovalini, Marcello
Piazzini.

ITALIAN, per, Annali di Chimica, Vol LIII, No 8/9,
1963, pp 1103-1109.

*JPRS/Army Biol Lab

Sci-Chem
July 64

Optimization of the Performance of a Plant for
Operating an Isothermal Conversion with Separation
and Recycling of the Reactants. Application to
the Dehydrogenation of Ethylbenzene as Practiced
in the Industrial Manufacture of Styene,
by G. Ferraiolo, S. Gnetti.
ITALIAN, per, Annali di Chimica, Vol 54, No 5,
1964, pp 384-411.
CTS(Chem)-416

Sci-Chem
Aug 66

308,458

Analysis of Polyphenyl Mixtures by Gas Chroma-
tography With Capillary Columns, by N. Basili,
C. Bordonali, et al.
ITALIAN, per, Annali di Chimica, Vol 54, 1964,
pp 1081-1087. 9232882
AEC NP-tr-1375

Sci/Chemistry
Jun 66

301,122

The Laws of the Movement of Fluids with
Respect to the Adhesion of Molecules, by
M. Navier.

FRENCH, per, Annales de Chimie, No 19,
1821, ppp 244-260.

NLL Ref: 3774.5 (1804)

Sci-Chem
May 69

380,678

Ciamician, G. and Ravenna, C.
ACTION OF A FEW ORGANIC SUBSTANCES ON
PLANTS. [1962] 22p.
Order from K-H \$27.50 K-H 5513-a

Trans. of Annales de Chimie (France) 1913, ser. 9,
v. 4, p. 5-27.

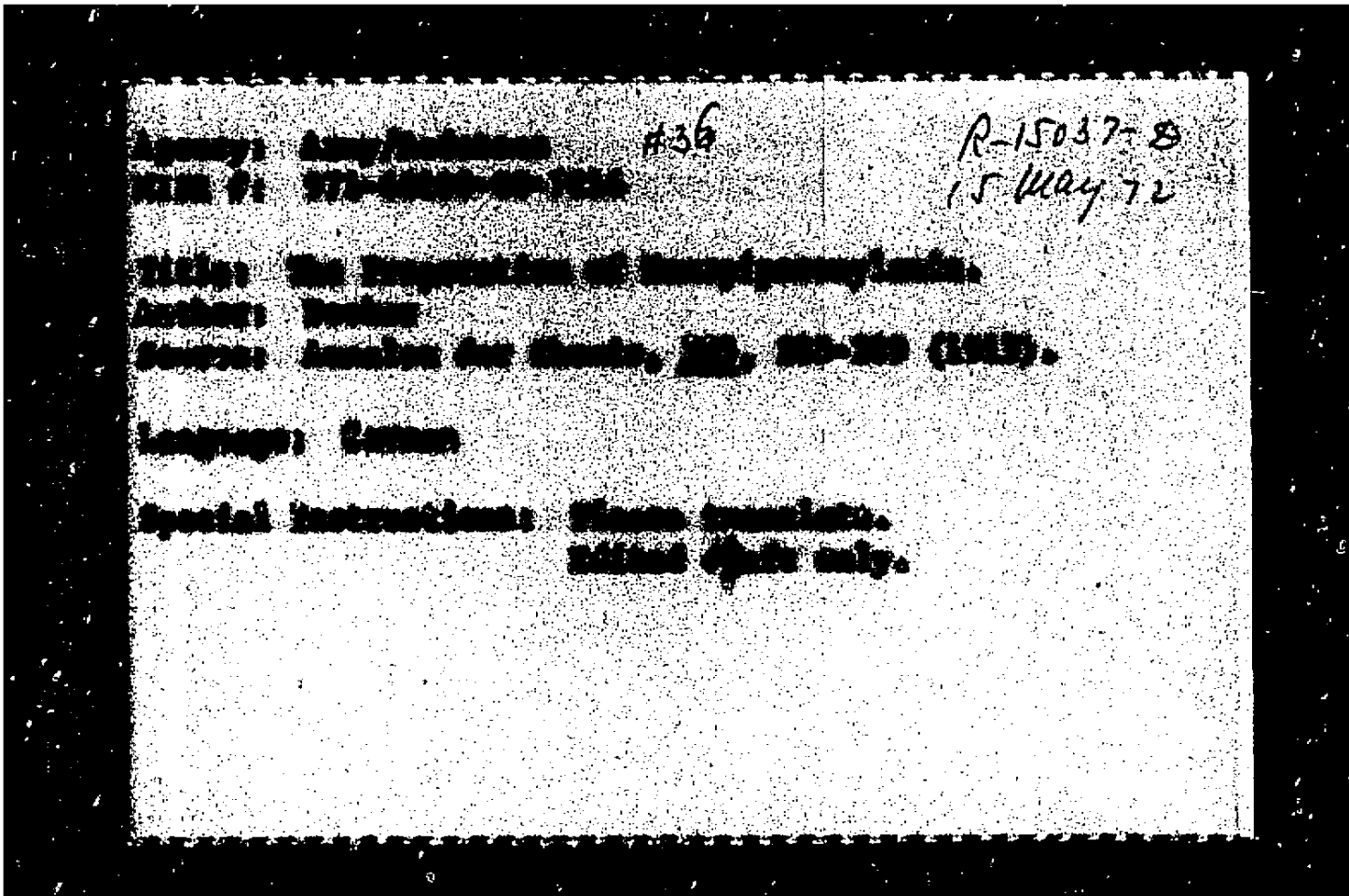
DESCRIPTORS: *Plants, *Organic materials.

(Biological Sciences--Botany, TT, v. 8, no. 5)

62-17890

- I. Ciamician, G.
- II. Ravenna, C.
- III. K-H-5513-a
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services



Chablay, M. E.
THE USE OF METAL AMMONIUMS IN ORGANIC
CHEMISTRY: ACTION OF THE METAL-AMMONIUMS
UPON THE HALOGEN DERIVATIVES OF METHANE
HYDROCARBONS: APPLICATION OF THE DETERMI-
NATION OF HALOGENS IN ORGANIC COMPOUNDS.
[1962] 27p. 17 refs.
Order from SLA \$4.60

63-10474

Partial trans. of Ann[ales] de Chim[ie] (France) 1914,
ser. 9, v. 1, June, p. 469-519.

DESCRIPTORS: *Ammonium compounds, *Sodium com-
pounds, Methanes, *Halocarbons, Chemical analysis

Contents:
Monosubstituted halogen derivatives: Sodammonium and
methyl chloride
Bisubstituted halogen derivatives from methane
hydrocarbons
(Chemistry--Organic, TT, v. 10, no. 1) (over)

63-10474

- I. Chablay, M. E.
- II. Title: Action...
- III. Title: Application...
- IV. Title: Sodammonium...
- V. Title: New...

Office of Technical Services

English Title Unknown, 8 pp.
FRENCH, per, Annales de Chimie, Vol IX,
No 3, 1915, pp 5-48.
*AEC

Sci
Sept 65

A Study in the Fluorene Series, by Ch. Courtot,
31 pp.

FRENCH, ~~per~~ Ann de Chim, Vol IV, no 9, 1915,
pp 58-136, ~~168-224~~, Vol V, 1916, pp 52-108,
194-224.

S.L.A. Tr 107

NSur - France
Scientific - Chemistry

32,779

The Selenide of Carbon C_4H_2 , Cyanacetylene
 C_2NH , by Charles Mourou, Jacques Ch. Roussaud,
65 pp.

FRANCOIS, par, Annales de Chim, VOL LXXV, 1940,
pp 1-53.

ASAC 11-3041

Sci - Chem
Jan 60

104,893

Acrylic Acid and Its Esters and Halogenpropionic
Acids and Their Esters, by C. Moureu, M. Murat,
L. Tampier, 32 pp.

FRENCH, per, Ann Chim, Series 9, Vol XV, pp 221-
252, 1921.

SLA 3279

Sci & Chem
Aug 58

70,549

Study of the Aldehyde Acids of the Succinic
Series, by M. E. Carriere, 4 pp.

FRENCH, per, Ann Chim, Vol XVII, Jan-Feb
1922, pp 41-43.

SLA Tr 2195

Sci - Chemistry
Sep 57

53,024

Aldehyde Acids of the Succinic Series. Part II.
Preparation and Study of the Succinic Series, by
E. Carriere.
FRENCH, per, Annales de Chimie, Series 9, Vol 17,
1922, pp 70-106.
NTC 72-14436-07C

Jan 73

The Synthesis of Urea From Ammonia (excerpts), by
C. Matignon, M. Frejacques, 11 pp.

FRENCH, per, Ann Chim., Vol XVII, No 9, 1922,
pp 294-303.

S.L.A. 1050

Scientific - Chemistry

33,499

Introduction the the Study of Metallic Cementation, by
H. Weiss.

FRENCH, per, Ann de Chim., Vol 9, 1923, pp 131-152.

*NBS TT 71-55272

Available NBS Only

June 71

Introduction to the Study of Metallic Cementation, by
H. Weiss.

FRENCH, per, Ann de Chim., Vol 19, 1923, pp 201-212.

*NBS TT 71-55270

Available NBS Only

June 71

Studies of the Formation of Mineral Complexes in
Solution and on Their Stability, by P. Job, 103 pp.

~~French~~
FRENCH
~~French~~, per, Annales de Chimie, Vol X, 1928,
pp 113-204.

34,003

S.L.A. Tr 80/1956
AEC-Tr-37

Scientific - Chemistry

Hackspill, L. and Kleffer, A. P.
[HYDRATES OF OXIDES AND OF MINERAL SALTS]:
EXCERPT. [1963] [3]p. (figs. omitted) 4 refs.
Order from SLA \$1.10 63-18128

Partial trans. (p. 248-249) of Annales de Chimie
(France) 1930, ser. 10, v. 14 [p. 227-282].

DESCRIPTORS: *Hydrates, Oxides, Minerals, Salts,
*Magnesium compounds, Hydroxides, Dehydration.

(Chemistry--Inorganic, TT, v. 10, no. 11)

63-18128

I. Hackspill, L.
II. Kleffer, A. P.

Office of Technical Services

Rinck, E.
EQUILIBRIUM IN THE MOLTEN STATE BETWEEN
POTASSIUM, SODIUM, AND THEIR CHLORIDES.
[Chap. 2 of Equilibria in the Molten State between the
Salts and Alkali and Alkali-Earth Metals]. [1962] tp.
6 refs.
Order from SLA \$1. 10

63-10582

Trans. of Annales de Chimie (France) 1932 [ser. 10]
v. 18, p. 410-418.

DESCRIPTORS: *Chemical equilibrium, *Chlorides,
*Potassium compounds, *Sodium compounds, Alloys,
Liquids, Vapors, *Phase studies, Quantitative analysis,
Fused materials.

(Chemistry--Physical, TT, v. 10, no. 1)

63-10582

I. Rinck, E.
II. Title: Equilibria ...

Office of Technical Services

Contribution to the Study of Some
Ammonium Salts; II. Ammonium Phosphates,
by Andre de Rasseille, 8p.
FRENCH, per, Annales de Chimie, Vol 5,
1936, pp 83-146.
SLA TT-64-20988

333, 785

Sci
Jul 67

Equilibrium Reaction Between Water Vapor at High
Temperature and Some Metal Fluorides, by L. Domange.

FRENCH, per, Annales De Chimie, Vol VII, No 1, March
1937, pp 225-297.

Brücher Tr 10,005
\$33.20

Sci - Chem

Apr 58

61,449

Chemical Reactions in Heterogeneous Phases. A
New Concept: "The Equivalent Volume", by Felix
Trombe, Marc Foex, 16 pp.

FRENCH, per, Annales de Chimie, Vol XVIII, No 11,
Parts I and II, 1943, pp 97-122. 9079913

AEC Tr-4652

164, 897

Sci -
Aug 61

Study on the Preparation and Therman Dissociation of
Alloys of Magnesium With Cerium, Neodymium and
Gadolinium, by Felix Trombe, Françoise Mahn, 20 pp.

FRENCH, per, Annales de Chim, Ser 11, Vol XIX, 1944,
pp 345-361.

SLA Tr 751/1955

Sci - Chem

Jul 57

50, 218

Some Equilibriums of Hydrogen and of Deuterium With
Cerium and Gadolinium, by Rodolphe Viallard, 73 pp.

FERNICH, per, Annales^S Chim, Vol XI, 1945, pp 5-72.

9213034

AEC-SCL-Tr-483

Sci - Chem

Aug 63

343,642

General Kinetic Characteristics of the
Reactions $\text{AsO}_2 + \text{Bgas CsO}_2$ at a Coef-
ficient of Expansion Greater Than Unity,
by D. Paschanski.

FRENCH, par, Annales de Chim, Vol II,
1947, pp 601-607.

Broken Hill Prop Co Ltd
(CRL/T.588)

Sci - Chem
Jul 62

207,589

Contribution to the Study of Codistillation
Application to the Determination of Polyalcohols
and Nicotine, by G. Ligmann-Metayer.
FRENCH, per, Annales de Chimie, 1947, ser.12,
vol. 2, pp. 790-843.
K-H-1271 h

Chem
Aug 66

7
306,613

Low-Molecular Conversion Products of Diisocyanates (5th Communication on Polyurethans),
by Siegfried Petersen
GERMAN, per, Annalen der Chemie, Vol 562, 1949,
pp 205-229.
Dept of Navy NIC Trans No-2761

Sci-Chemistry
Feb 69

369,619

Laforque-Kantzer, Denise.
CONTRIBUTION TO THE STUDY OF THE CON-
STITUTION AND THE RELATIONSHIP OF POLY-
AND METAPHOSPHATES. [1962] 90p.
Order from K-H \$112.50 K-H 5083-b

Trans. of Ann[ales de] Chim[ie] (France) 1950
[ser. 12] v. 5, p. 819-881.

DESCRIPTORS: *Chemical analysis, *Phosphates.

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

62-17444

- I. Laforque-Kantzer, D.
- II. K-H-5083-b
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Theoretical and Experimental Study of the Kinetics
of Gas-Solid Reactions, by Jean-Michel Dunoyer,
63 pp. UNCLASSIFIED

Full translation.

FRENCH, per, Annai Chém, Vol VI, No 12, Paris, 1951,
pp 165-219.

AEC Tr 2056

Scientific - Physics

Aug 53 CTS

4817

Reactions of Metal Carbides With Water Vapor
and Organic Vapors, by J. de Villeneuve, 55 pp.

FRENCH, per. Annales Chimie, Vol. VII, No 12,
1952, pp 265-310. 9201384

AEI-OR-5515

Sci - Chem
Jan 63

220,865

Carbonylization. Part I, by W. Reppe.
GERMAN, per, Annalen der Chemie, V
Vol 582, 1953, pp 1-37.
Dept of Navy 4798/APL/JIU T-1869

Sci - Phys
Aug 66

305,649

Hutter, Jean-Claude.
CONTRIBUTION TO THE STUDY OF THE ACTION OF
HYDROGEN ON PHOSPHATES (PREPARATION OF
PHOSPHATES AT LOW TEMPERATURES). [1963] 12p.
36 refs.
Order from SLA \$1.60

63-16872

Partial trans. (p. 450-457, 465-466, 494-497) of
Annales de Chimie (France) 1953, ser. 12, v. 8,
p. 450-497.

DESCRIPTORS: Low temperature research, *Phos-
phates, *Hydrogen, Chemical reactions.

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

63-16872

J. Hutter, J.-C.

Office of Technical Services

A Contribution to the Study of the Peroxides
of Uranium and Molybdenum, by Gabriel
Tridot, 36 pp.

FRENCH, per, Ann Chem, Vol XII, 1955,
pp 225-254.

AEC Tr 2361

Sci - Chemistry

30,092

<p>Ducret, L. P. CONTRIBUTIONS TO THE STUDY OF TETRA- AND PENTAVALENT VANADIUM IONS, INTRODUCTION AND CHAP. I. [1960] 11p. (figs. formulae, refs. omitted). Order from SLA mi\$2.40, ph\$3.30 61-10158 Trans. of <u>Annales de Chimie (France)</u> 1951 [ser. 12] v. 6 [Sep/Oct] p. 705-716.</p> <p style="text-align: center;">148,483</p>	<p>61-10158 1. Vanadium ions--Properties 1. Ducret, L. P.</p>
<p>(Chemistry--Physical, TT, v. 5, no. 7)</p>	<p>Office of Technical Services</p>

[Ducret, L. P.]

[CONTRIBUTIONS TO THE STUDY OF TETRA- AND PENTAVALENT VANADIUM IONS], CHAP. III AND IV. [1960] 11p. (6 figs. formulae omitted).
Order from SLA ml\$2.40, ph\$3.30 61-10171

Trans. of Annales de Chimie (France) 1951 [ser. 12] v. 6 [Sep/Oct] p. 723-737.

See also 61-10158

148,485

61-10171

1. Vanadium ions--Properties
1. Ducret, L. P.

Office of Technical Services

(Chemistry--Physical, TT, v. 5, no. 7)

Reactions of Metal Carbides With Water Vapor
and Organic Vapors, by J. de Villelune, 55 pp.

FRENCH, per, Annales Chimie, Vol VII, No 12,
1952, pp 265-310. 9201384

AEC-62-5515

Sci - Chem
Jan 63

Wallaeys, Robert.
PHOSPHOCALCIC APATITES, tr. by Bertha P. Klenova.
10 Nov 55 [42]p. 50 refs. [No.] 3497.
Order from LC or SLA mi\$3.30, pt\$7.80 60-23457

Trans. of Annales de Chimie (France) 1952, ser. 12,
v. 7, p. 806-848.

DESCRIPTORS: *Apatite, Synthesis, Crystal structure,
Phosphates, Chemical reactions.

(Earth Sciences--Mineralogy, TT, v. 6, no. 5)

60-23457

I. Wallaeys, R.
II. TVA-3497
III. Tennessee Valley Authority,
Wilson Dam, Ala.

180421

Office of Technical Services

7-26-61

Sancelme, André.
ELECTRIC REDUCTION IN AQUEOUS PHASE OF
SOLID INSOLUBLE INORGANIC COMPOUNDS, tr. by
Bertha P. Klenova. 9 Mar 55, 14p. 5 refs. [No.] 3420.
Order from OTS or SLA \$1.60 60-23426

Trans. of Ann[ales de] Chim[ie] (France) 1953
[ser. 12] v. 8, p. 826-840.

DESCRIPTORS: *Inorganic substances, Reduction,
Electrolysis, Electrodeposition, Metals, Lead com-
pounds, *Phosphates, Chlorides, Oxides.

(Chemistry--Physical, TT, v. 6, no. 5)

60-23426

I. Sancelme, A.
II. TVA-3420
III. Tennessee Valley Authority,
Wilson Dam, Ala.

180420

Office of Technical Services

7-26-61

Contribution to the Study of Thermodynamic Properties of
Copper-Platinum Alloys, by P. Assayag.

FRENCH, per, Ann de Chim., Vol 12, 1955, pp 637-665.

*NBS TT 71-55271

Available NBS Only

June 71

Kinetics of the Combustion of Carbon at High Temperatures and Low Pressures, by Xavier Duval, 58 pp.

FRENCH, per, Ann de chimie, Vol 10, Nov/Dec ~~1956~~ 1955, pp 903-967.

S.L.A. Tr 1334/1956

Sci - Chem
Feb 57 CTS/dex

43,540

43,540

On the Preparation and Properties of Mellitic Acid,
by M. Chaigneau, 17 pp.

FRENCH, per, Annales Chimie, Vol ~~XXXX~~ ^{I,} ~~XXXX~~ ~~XXXX~~
1956, pp 391-398.

AEC Tr-4338

Sci - Chem
Feb 62

182.525

Study of the Xanthates of Polyvinyl Alcohol and of
Certain of Their Derivatives, by A. Nicco, 50 pp.

FRENCH, per, Annales de Chimie, Vol II, Mar-Apr 1957,
pp 145-188.

NIE 4-9-61

Sci - Med
Jul 61

158, 322

Raman Spectrum of Potassium Cuprocyanide, by Paolo
Chiorboli, Corrado Testa, 8 pp.

FRENCH, per, Ann Chim, Vol XLVII, 1957, pp 639-645.

AEC TR 3182

Sci - Med

May 58

62,652

Chemical Study of the β -Cyanoethyl
Dithiocarbamates. III. Study of the Thio-2-
Oxo-r-Thiazanes-1,3 or Propiorhodanines, by
Jacques Seyden-Penne, 13 pp.

FRENCH, per, Annales de Chimie, Vol III,
No 9/10, 1958, pp 645, 655.

SLA 60-16903

Sci
26 May 62
Vol IV, No 8

198, 220

Chemical Effects of Gamma Rays on Aqueous Solutions
of Several Compounds of Nitrogen, by Xavier Tarrago,
53 pp.

FRANCO, per, Annales de Chimie, Vol V, 1960,
pp 5-64. 9094521

AEC Tr-4564

Sci - Chem
Dec 61

178, 163

Phenol by Direct Oxidation of Benzene, by
Giacomo Lemetre, Giuseppe Caprara.

FRENCH, per, Ann Chim, Vol L, 1960, pp 83-89.

Dept Interior
Tr No 1744

Sci

Jan 63

On the Conversion of Formaldehyde to Carbo-
hydrates, by R. Mayer, L. Lascka.

GOVERNMENT USE ONLY

FRENCH, per, Annalen der Chemie, Justus
Liebig's, Vol 635, 1960, pp 145-153.

NASA TT F-11,715

Sci
Dec 68

371,109

Pied, Jean-Phillppe.
PREPARATION AND PHYSICAL PROPERTIES OF
VARIOUS POLYAMIDES (Préparation et Propriétés
Physiques de Divers Polyamides). [1963] [94]p. (foreign
text included) 56 refs.
Available from SLA on loan 63-18585

Trans. of Annales de Chimie (France) 1960 [ser. 13]
v. 5, p. 469-527.

DESCRIPTORS: *Polyamide plastics, *Transition tem-
perature, Amino acids, Copolymers, Condensation
reactions, Excitation, Mechanical properties,
Physical properties, Molecular structure, Organic
acids, Synthesis.

63-18585

1. Title: Hydrogen
interaction index
1. Pied, J.-P.

Contribution to the Study of the Formation and the
Decomposition of Hydrogen Peroxide γ Rays From
Co⁶⁰ and α Rays from Po²¹⁰, by Anne-Marie Koulikas-
Pujo, 59 pp.

FRENCH, per, Annales de Chemie, 1960, pp 707-764.
920 8237

AEC-Tr-~~XXXX~~ 5687

Sci - Chem

Jun 63

234290

Contribution to the Study of the Properties of
Zirconia Based Solid Refractory Solutions and the
Stabilization of Cubic Zirconia, by H. J. Stoecker,
55 pp.

FRENCH, per, Ann Chim, Vol V, 1960, pp 1459-1502.

908 7672

ABC UCRL Tr-791(L)

Sci - Chem

Jun 62

List 69

197,831

Effect of High Purity of Iron on Its Proton Charging
Capability (Cathodic Hydrogen) and on Its Brittleness
at Low Temperature, by Simone Besnard, 34 pp.
FRENCH, per, Annales de Chimie, Vol 6, No 3/4, 1961,
pp 245-283. 9227281
NSTIC/0301/65

Sci - Chem
May 65

200,364

Mazieres, Charles.
STUDY ON MICROSAMPLES OF HEAT PHENOMENA
LINKED TO STRUCTURAL TRANSFORMATIONS
(Phenomenes Thermiques et Transformations Struc-
turales). [1963] 41p (figs omitted)
Order from SLA \$4.60

TT-63-20662

Trans. of Annales de Chimie (France) 1961 [ser. 13,
v. 6, no. 5/6] p. 575-622. (Abstract available)

DESCRIPTORS: *Thermochemistry, *Phase studies,
*Transformations, *Calorimetry, *Crystal structure,
*Potassium compounds, Nitrates, *Sodium compounds,
Sulfates, *Lithium compounds, Fluorides, Hydrides,
*Radiation effects.

Topics include: the micromethod of differential thermal
analysis (mu DTA); mu DTA apparatus; experimental
difficulties limiting sensitivity; the polymorphism of
potassium nitrate at atmospheric pressure; poly-
(Physics--Solid State, TT, v. 11, no. 3) (over)

TT-63-20662

I. Mazieres, C.

Office of Technical Services

Conversion of Indones to Quinoline and
Isoquinoline Derivatives. Part II. An
Anomalous Schmidt Reaction, by A. Marsili.
FRENCH, per, Annali di Chimica, Vol 52, 1962,
pp 112-120.
NTC-71-12295-07C

Nov 71

Fluorite-Type Structural Phase Modifications in
Systems Having a Zirconium or Hafnium Oxide Base,
by Jean Lefevre, 49 pp.
FRENCH, per, Annales de Chimie, No 8, 1963, pp 117-149.
9226313
~~XXXXXXXX~~
AEC-ORNL-Tr-201

Sci-Chem
Feb 65

273,175

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730038-4

Annales de Chimie

1963 S13, Vol 8, pp 613-636 ntc 70-14604

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730038-4

Jean Labat

A Contribution to Research on Nickel Hydroxides.
FRENCH, per, Annales de Chimie, Vol 9, No. 7-8,
July & August 1964, pp 399-427.
NASA TT F 14,448

Oct 72

Application of the Method of Zone-Melting to the
Purification of Zirconium and a Study of Some of
the Properties of this M \acute{e} tal, by
Jean-Paul Langeron.

FRENCH, per, Annales de Chimie (Paris), Vol 13,
No 9, 1964, pp 547-578.
AEC ORNL tr-761

Sci/Mechan, Indust, Civil &
Marine Engr.
Feb 67

318,466

Precautions in the Use of Thermobalances, by
Clement Duval.
FRENCH, per. Anal Chim Acta, Vol XLIII, 1964,
pp 301-314.
*SEC

Sci-Chem
Jun 65

The Reactions of Citric Acid With the System: Sulfur trioxide and water, by Alfredo Quartaroli, Ofelia Belfiori, 4 pp.

Full translation.

ITALIAN, per, Ann. Chem. applicata, Vol XXVIII, 1887, pp 297-301.

S.L.A.

Scientific - Chemistry

27,324

Aug 55

AEC₄ (MLM-1766(TR))₅ TITANOUS CHLORIDE IN THE
QUANTITATIVE DETERMINATION OF ARSENIC, ANTIMONY,
AND BISMUTH. Oliverio, A. ₇₈₁₀ Translated for Mound Lab.,
Miamisburg, Ohio, from Ann. Chim. Appl.; 21: 211-16 (1931).
₂₀ 10p. ₂₄ Dep. NTIS.

₂₆ chemistry (analytical); translations ₂₇ 07

₂₈ MN-4 ₂₉ P NSA

Salts of Biguanide and of Guanidine, by C. Manuelli,
9 pp.

ITALIAN, per, Ann. Chim. Applicata, Vol XXIII, 1933,
p 235.

S.L.A. Tr: No 386/1955

Sci - Chemistry
Jan 1957 CTS/dex

45,009

Chlorination of Methane, by M. Giordani, 12 pp.

ITALIAN

FRENCH, per, Ann Chim Appl, Vol XXV, 1935, pp
163-173.

SLA Tr 1996

Sci - Chem

49,894

Jul 57

Behavior of Organic Matter in Clayey Soils,
by A. MALQUORI.

ITALIAN, per, Annali di Chimica Applicata,
Vol XXIV, 1944, pp 99-126.

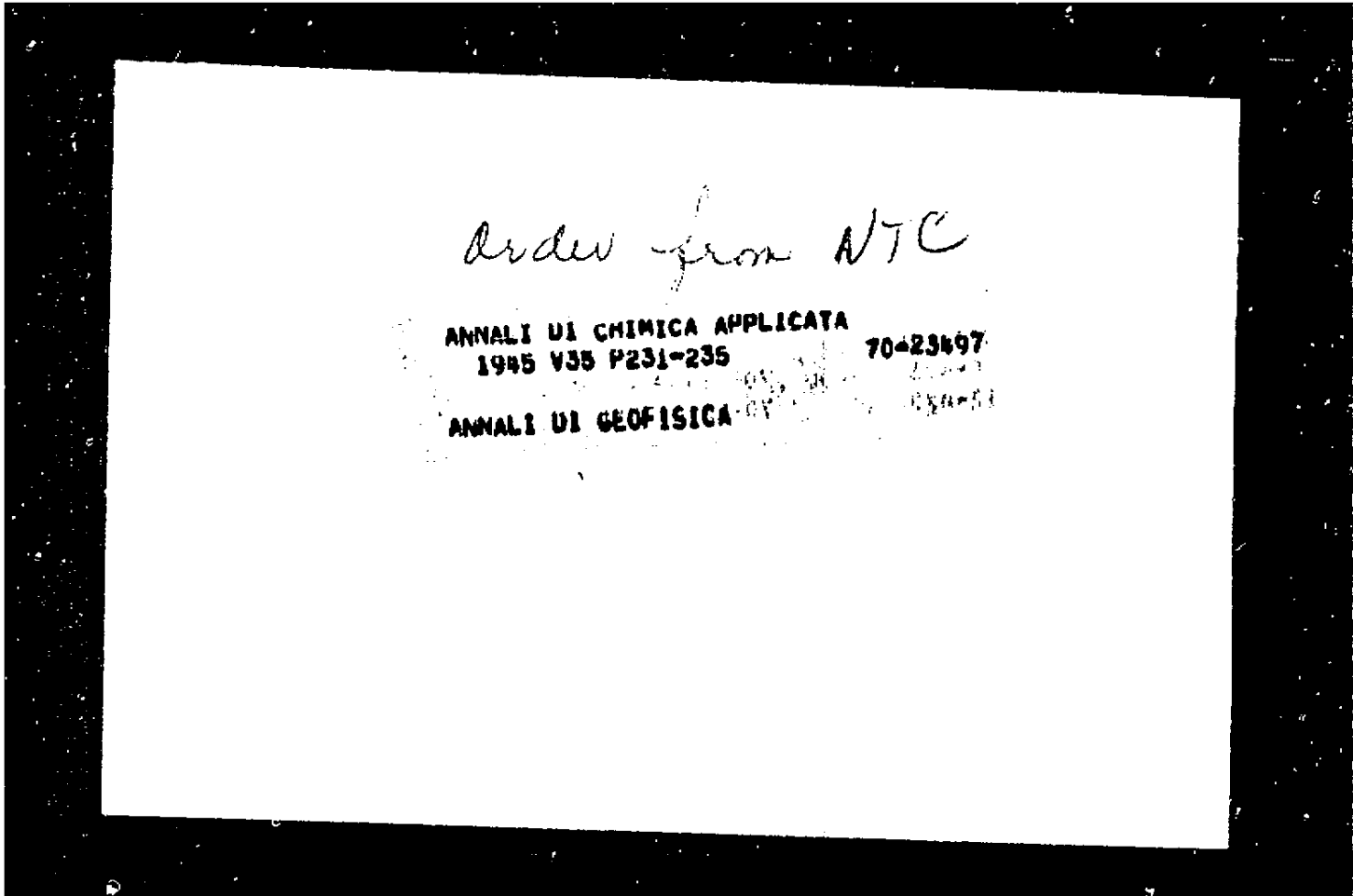
Dept of Int
US Bur of Reclamation
Tech Lib
Denver, Colo.

Sci - Geophys, Biol

Jun 59

89,925

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730038-4



APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730038-4

The Simultaneous Formation of Deposits of Sulfur,
Petroleum and Soluble Sodium, Potassium and Mag-
nesium Salts From Sea Water; Experimental Confir-
mation of This New Hypothesis, by Giuseppe Oddo,
11 pp.

ITALIAN, per, Ann Chim Appl, Vol XXXIX, 1949,
pp 142-148.

S.L.A. Tr No 457/1955

Sci - Chemistry
Jan 1957 CFS/dex

45, 833

Researches in the Thiazole Series. Note II, by V. Bellavita,
L. Vantaggi.
ITALIAN, per, Annali di Chimica e Applicata, No 41, 1951,
pp 194-198.

GB/2

Sci - Chem

Feb 64

250,484

Pozzolanic Cements, Part I, by A. Rio.
ITALIAN, per, Annali di Chimica Applicata,
Vol XLI, 1951, pp 274-289.
CEGB 2913

Sci - M/M
Apr 64

255,146

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730038-4

Pozzolanic Cements, Part II, by A. Rio.
ITALIAN, per, Annali di Chimia Applicata,
Vol XLII, 1952, pp 526-534.
CEXGB 2914

Sci - M/M
Apr 64

255,147

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730038-4

Photometric Measurement of Some Trinitro-
toluenes, by R. Carpignano.

ITALIAN, per, Ann Chim Appl, Vol XLIV,
1954, Roma, pp 11-19.

TPA3/TIB 4495

Sci - Chemistry

32,067

Photometric Measurement of Some Trinitro-
toluenes, by R. Carpignano.

ITALIAN, per, Ann Chim Appl, Vol XLIV,
1954, Roma, pp 11-19.

TPA3/TIB 4495

Sci - Chemistry

30,067

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730038-4

Annales de Chimie et de Physique

1820, S2, Vol 15, pp 49-59

ntc 70-25173

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730038-4

New Experiments in Thermal Effects of Electric
Currents, by M. Peltier.
FRENCH, per, Annales Chim Phys, 2nd Ser, No 56,
1834, pp 371-385.
SEC

Sci-Phys
Sept 69

392,911

On the Double Refraction Temporarily Produced in
Isotropic Bodies, and on the Relationship Between
Mechanical- and Photoelasticity, by M. G. Wertheim.
FRENCH, per, Ann de Chim et de Phys, Vol XL,
Series 3, 1854, pp 156-221. 9694958
DDC RSIC-270

OTS-TT-64-71482

Sci - Phys
Oct 64

268,336