

Hypotheses on Luminous Ether and on an Experiment that Appears to Demonstrate that the Motion of Bodies Changes the Velocity With Which Light Propagates in their Interior, by

H. Fizeau. 20 pp.

fr. ~~RUSSE~~ ^{RUSSE} ~~AN~~, par, Ann. de Chem. et de Phys., 3rd Ser.

Vol 57, Dec 1957, pp 385-404.

NASA TT-F-13623

Aug 71

Technical Problems in Lung Transplants, by
A.H. B. De Bono, 5 pp.
FRENCH, per, Ann Chir Thor Ca. Vol V,
1966, pp 510-514.
Dept of Navy 5376/EMCS No 2011

Sci-BAM
May 67

327,200

Comparative Absorption of Various Salts of
Para-aminosalicylic Acid Administered by
Way of the Stomach, by M. T. Regnier,
M.R. Faure, 18pp.
FRENCH, per, Ann Pharm Franc, Vol 11,
No 9, 1953, pp 569-578.
CFSTI TI-61-18978.

328,269

Sci - B & M
Mar 67

Analysis of Conditions of Industrial Control
of Activity of a Preparation of Sodium
Dehydrocholate on the Biliary Flow of the
Rabbit, by J. Salesse, 13pp.
FRENCH, per, Annales Pharm Franc, Vol 12,
No 3, 1954, pp 193-203.
CFSTI TT-64-20007.

322,292

Sci - B & M
Mar 67

On Control Methods of Therapeutic
Preparations of Antibioresistant Lactic
Bacteria Base, by R. Fabre, J. Cheymol,
S. Lambin, Bl. Magnier de la Source, 15pp.
FRENCH, per, Annales Pharmaceutiques Franc,
Vol 19, No 1, 1961, pp 24-36.
CFSTI TT-64-18619.

321,716

Sci - B & M
Mar 67

63-16082

I. Gallo, G.

Gallo, G.
PROCESS FOR THE PRODUCTION OF ALKALINE
POTASSIUM AND SODIUM HYDROXIDES FROM THE
CORRESPONDING SULFATES. [1963] 13p. 8-refs.
Order from SLA \$1.60 63-16082

Trans. of [Annali di Chimica] (Italy) 1935, v. 25,
p. 620-622.

DESCRIPTORS: *Sulfates, *Hydroxides, *Sodium
compounds, *Potassium, *Alkali metals, Production,
Processing.

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

Office of Technical Services

Ubbaldini, Ivo and Giarrocchi, J.
INVESTIGATIONS ON THE FORMATION OF SOLU-
BLE PHOSPHORIC ANHYDRIDE IN THE TREAT-
MENT OF PHOSPHORITES AND TRICALCIUM
PHOSPHATE WITH HUMIC LIGNITES. [1960] 13p.
10 refs.

Order from SLA mi\$2.40, ph\$3.30 60-18119

Trans. of Annali di Chimica (Italy) 1938, v. 28,
p. 69-77.

148,468

(Unannounced)

60-18119

1. Soils--Chemical analysis
 2. Phosphates--Chemical reactions
 3. Phosphites--Chemical reactions
 4. Humic acids--Chemical reactions
- I. Ubbaldini, I.
II. Giarrocchi, J

Office of Technical Services

63-16080

I. Centola, G.

Centola, G.
CONTRIBUTION TO THE STUDY OF THE EFFECT
OF ALKALINE SULFIDES UPON CELLULOSE. [1963]

3p. 12 refs.

Order from SLA \$1.10

63-16080

Trans. of [Annali di Chimica] (Italy) 1941, v. 31,
p. 20-24.

DESCRIPTORS: *Cellulose, *Sulfides, *Alkali
metals, Crystal structure.

(Chemistry--Physical, TT, v. 10, no. 9)

Office of Technical Services

On the Titration of Nicotine and a New Indirect
Method of Volumetric Determination, by Giovanni
Mannelli.

ITALIAN, per, Annali di Chimica, 1941, Vol. 31,
pp. 68-73.

K-H-1904 a

Chem
Aug 66

7
306,614

63-20248

Covelle, Marie.
PREPARATION OF 3-AND 5-IODOSALICYLIC ACIDS,
CRYPTOTOXIC POWER AND PHARMACOLOGICAL
CHARACTERISTICS. [1963] 12p (formulae omitted)

21refs

Order from SLA \$1.60

63-20248

Partial trans. (p. 235-245) of [Annali di Chimica]
(Italy) [1941] v. 31, p. 235-[254].

DESCRIPTORS: Drugs, Antigens and antibodies,
*Toxins and antitoxins, *Iodides, *Salicylic acids,
*Biological assay, Antibiotics.

(Biological Sciences--Pharmacology, TT, v. 10, no. 12)

1. Title: Cryptotoxic Index
1. Covelle, M.

Office of Technical Services

Chromatographic Separation of Tannic Acids From Their
Derivatives, by Giunio Bruto Crippa, Silvio Maffei,
5 pp.

ITALIAN, per, Annali de Chimica, Vol XXII, No 10,
1941, pp 853-855.

BLA 60-10536

Sci
Jan 60
Vol III, No 5

119,067

Alessandrini, M. E., Merini, B. M., and
Rosanova, G.

BRAIN EXTRACTS USED IN THERAPY: COMPOSITION
AND ANALYSIS. [1966] 8p. 5 refs.

Available on loan from SLA

61-10258

Trans. of Annali di Chimica (Italy), 1966, v. 36,
[no. 3/4] p. 69-78.

146,909

61-10258

- I. Brain extract--Properties
- I. Alessandrini, M. E.
- II. Merini, B. M.
- III. Rosanova, G.

Office of Technical Services

(Behavioral Sciences--Pharmacology, TT, v. 5, no. 5)

Cavallaro, L., and Indelli, A.
THE INHIBITING ACTION OF SODIUM METAPHOS-
PHATE ON PRECIPITATION PROCESSES. I. MEAS-
UREMENTS ON BaCO_3 , CaCO_3 and SrCO_3 . [1960] 8p.
Order from ATS \$14.95 ATS-71M471

Trans. of Ann[ali di] Chim[ica] (Italy) [1950] v. 40.
p. 195-204.

151507

(Chemistry--Inorganic, TT, v. 5, no. 8)

61-12788

1. Carbonates--Precipitation
2. Precipitation--
Inhibition
3. Phosphates--Chemical
effects
1. Cavallaro, L.
11. Indelli, A.
- III. Title: Measurements...
- IV. ATS-71M471
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

62-17682

Bianchi, G.
RESEARCH ON THE STRUCTURE OF CATHODIC
PLATINUM BLACK DEPOSITS. [1962] 10p.
Order from ATS \$11.95 ATS-45P611

Trans. of Ann[ali di] Chim[ica] (Italy) 1950, v. 40,
p. 222-233.

DESCRIPTORS: *Cathodes, *Platinum, Deposits,
Electrodeposition.

- I. Bianchi, G.
- II. ATS-45P611
- III. Associated Technical Services,
Inc., East Orange, N. J.

AT-1962-13

(Chemistry--Physical, III, v. 8, no. 4)

Office of Technical Services

Gallo, G. and Guerra, M. del.
THE ACTION OF HYDROGEN ON THE METALLIC
OXIDES AND SULFIDES, NOTE VI. [1963] [12]p.
10 refs.
Order from SLA \$11.60.

63-16843

Trans. of Ann[ali di Chimica] (Italy) 1951, v. 41,
p. 51-60.

DESCRIPTORS: *Ores (Metal sources), *Cadmium com-
pounds, *Bismuth compounds, *Tin compounds, *Lead
compounds, *Zinc compounds, *Manganese compounds,
*Cobalt compounds, *Nickel compounds, *Silver com-
pounds, Oxides, Sulfides, Reduction, Desulfurization,
*Hydrogen.

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

63-16843

I. Gallo, G.
II. Guerra, M. del

Office of Technical Services

Cerniani, Aldo.

THE THERMAL DECOMPOSITION OF STARCH.

[1962] 14p.

Order from K-H \$18.00

K-H 6255-b

Trans. of Annali di Chimica (Italy) 1951, v. 41,
p. 293-308.

DESCRIPTORS: *Starches, Pyrolysis.

(Biological Sciences--Biochemistry, TT, v. 8, no.4)

62-17874

- I. Cerniani, A.
- II. K-H-6255-b
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Constatinides, Giorgio.
AUTOCOMBUSTION TEMPERATURE OF MONOSAC-
CHARIDES AND OLIGOSACCHARIDE POWDERS.
[1962] 17p.
Order from K-H \$21.25 K-H 6196-b

Trans. of Annali di Chimica (Italy) 1951, v. 41,
p. 309-319.

DESCRIPTORS: *Saccharides, Powders, Combustion.

(Chemical-Physical, TT, v. 9, no. 1)

62-44236

- I. Constatinides, G.
- II. K-H-6196-b
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Cerniani, Ado.
COMPARATIVE THERMAL DECOMPOSITION OF
SOME MONOSACCHARIDES, OLIGOSACCHARIDES
AND POLYSACCHARIDES. [1962] 10p.
Order from K-H \$12.00 K-H 5876-a

(#1.60) SLA 43-16316
Trans. of Annali di Chimica (Italy) 1951, v. 41,
p. 455-464.

DESCRIPTORS: *Saccharides, Pyrolysis.

(Biological Sciences--Biochemistry, TT, v. 8, no. 4)

62-17873

- 62-17873
I. Cerniani, A.
II. K-H-5876-a
III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Viscosity of Polymetaphosphate Solutions in
the Presence of Salt, by Guido Saini, 12 pp.

ITALIAN, per, Annali di Chimica, Vol XLII,
1952, pp 227-238.

SLA 60-23421

Vol V, No 5
Jul 61

160,168

On Some Intermetallic Compounds of Uranium With
Elements of Groups III and IV, by Aldo Iandelli,
Riccardo Ferro, 16 pp.

ITALIAN, per, Ann Chim (Rome), Vol XLII, 1952,
pp 598-606.

AEC NP Tr-555

Sci - Chem
& May 61

150,359

Behavior of Polyvinylpyrrolidone with the
Principal Alkaloid Reagents and its Photo-
Colorimetric Determination, by S. Camozzo
and S. Zotto.

ITALIAN, per, Annali di Chimica, 1953, vol. 43,
no. 2, pp. 113-118.

SLA-TT-64-20072

Chem
Aug 66

7
308,609

AEC (MLM-1878(TR)) STABILITY OF MIXTURES CON-
TAINING PENTRITE AND T₄. di Cerrione, A. Translated for
Mound Lab., Miamisburg, Ohio, from Ann. Chim. (Rome); 43:
525-34 (1953). Dep. NTIS.

chemistry (physical); translations 07D

MN-4 P NSA

Photocopy: Adsorption of Some Compounds of
Phosphorus and Phosphoric Acid, by [illegible]
[illegible], 10 pp.

1955, part, Ann. Chim., Vol. XLIII, 1953,
pp. 100-105.

WTH Tr 11-9

Chemistry - Chemistry

Nov 54 C13

19, 560

Effective Valence of Antimony in Halogen
Hypocantimonates. I Research on $(\text{NH}_4)_2\text{SbBr}_6$
and TeSbCl_6 with the Use of Radioactive
Antimony, by A. Tureo, L. Mazzon.
ITALIAN, per, Annali di Chimica, Vol 43,
1953, 853-64.
SLA TT-66-11039

Sci - Chem
Jul 67

327, 41
350

Effective Balance of Antimony in Halogen
Hypoantimonates. II Research on $n(\text{NH}_4)_2\text{SbCl}_6 \cdot n$ -
 $(\text{NH}_4)_2\text{SbCl}_6$ with the Use of Radioactive
Antimony, by A. Turco, G. Sordillo.
ITALIAN, per, Annali di Chimica, Vol 43,
1953, pp 865-72.
SLA TT-66-11038

327, 1959

319

Sci - Chem
Jul 67

Behavior of Manganous Salts with Alkaline Solutions
of Triethanolamine, by Renzo Pirisi.

ITALIAN, per, Annali di Chimica, 1954, vol. 44,

pp. 59-62.

K-H-6256

Chem
Aug 66

7
306,629

Mayer, Aldo.
PREPARATION OF ALLOYS BY THE ACTION OF
METALS ON FUSED SALTS, NOTE II. [1963] 9p.
Order from K-H \$9.00 K-H 3737 c

Trans. of Annali di Chimica (Italy) 1954, v. 44,
p. 299-304.

DESCRIPTORS: *Alloys, *Metals, Salts, *Fused
materials, Preparation.

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

63-17272

I. Mayer, A.
II. K-H-3737-c
III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

The Polarographic Behavior of Cystamine Disulfoxide,
h. A. Liberti, C. Biondi, 8 pp.

ITALIAN, per, ⁿ Chim, Vol XLIV, 1954, pp 443-
453.

Assoc Tech Serv 75H101

Jul 58

69,983

Effective Valence of Antimony in Halogen
Hypoantimonates. III. Research on
 $Hb_2(Sb, Sn)Cl_4$, by A. Turco, G. Sordillo.
ITALIAN, per, Annali di Chimica, Vol 45,
1955, pp 614-7.
SLA TT-77-11033

327, 332

Sci - Chem
Jul 67

The Probable Mechanism of the ~~Karl~~ Karl Fischer
Method of Titration - Modification of the Reagent
and Method, by E. Bonauguri, G. Siniga, 12 pp.

ITALIAN, per, Annali di Chimica, Vol XIV,
No 9/10, 1955, pp 805-817.

CIA/2-259

Sci - Physics
Mar 57 CTS/dex

445, 081

On Some Structural Peculiarities of Organo-
Phosphorus Compounds, by M. Serra, P. Malatesta,
10 pp.

ITALIAN, no per, Annali di Chimica, Vol XLV,
1955, pp 911-917.

NIH Tr No 12-13

Eci - Chemistry
Feb 1957 CTS/dex

43,589

63-14706

Lardera, M. R., Cernia, E., and Mori, A.
DETERMINATION OF VINYL ACETATE IN MIXED
POLYMERS OF VINYL CHLORIDE AND VINYL
ACETATE. [1963] 4p. 2 refs.
Order from SLA \$1.10

63-14706

Trans. of Annali [di] Chimica (Italy) 1956, v. 46,
p. 194-198.

DESCRIPTORS: *Polyvinyl chloride, *Vinyl radicals,
*Acetates, Mixtures, Chemical analysis, Reagents,
Ethylenes, Dioxides, Sodium compounds, Ethanols,
Hydrates, Silver compounds, Sulfates, Sulfuric acid.

The authors discuss a generalized method of saponifi-
cation to determine the percentage of vinyl chloride in
mixed polymers of vinyl chloride and vinyl acetate. All
the methods heretofore used and which lead to reproduc-
ible results for mixed polymers produced by solution or
(Chemistry--Analytical, TT, v. 10, no. 6) (over)

I. Lardera, M. R.
II. Cernia, E.
III. Mori, A.

Office of Technical Services

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

Pyrrole Acids Produced by Oxidation of Protoporphyrins,
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] Sp

Order from K-1 \$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. I.
- II. Oriente, G.
- III. Panizzi, L.
- IV. K-H-10216
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

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

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

NRCC TF-842

Sci - Chemistry
Jan 61

136,421

Further Examples of Reductions With
Hydrazine and Catalysts, by Silvio, 1088

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. Barlow, Jr.

RESEARCH, Inc., Appleton & Chicago, Wis 47,
1957, pp 197-198.

ATS-118001

505

333, 717

Sci
Jul 67

card from NTC

ANNAI U1 CHINICA

1957 V47 P017-026

1958 V48 P020-036

1960 V50 N0 P690-703

1963 V63 P003-093

70-11564-07B

70-12772-07C

70-20484 <0>

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. Farina, M. Donati, M. Ragazzini, 12 pp.

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

SLA 60-14148

Sci

Sep 6:

Vol III, No 9

K-H 22 44

169,075

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

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

AEC AWRH-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, Viscosimeters.

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
(Materiale--Plastica, 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 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^{+} 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)

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

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-42N55I

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-42N55I
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS/ 77-11

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

nar 72

Marchetti, E. S. and Saracco, G.
SOLUBILITY OF GASES IN ORGANIC SOLVENTS.
[1963] 7p.

Order from ATS \$8. 25

ATS-46Q681

Trans. of Annali di Chimica (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-46Q681
- 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.

MA 63-20351

Office of Technical Services

TT-64-12039

Butta, Enzo and Giusti, 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 8 refs
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)

- I. Butta, E.
- II. Giusti, 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-TiO_2 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 Styrene,
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

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

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NLL Ref: 3774.5 (1804)

Sci-Chem
May 69

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The Action of Heat on Benzene and Analogous Hydrocarbons, by M. Berthelot, 9 pp.

FRENCH, per, Ann Chimie, Vol CXXII, 1867, pp 251-263; ALSO in Ann Chim Phys, Vol IV, No 9, 1866; Compt Rend, Vol LXIII, pp 788, 834.

CIA/FID/X-1595

Scientific - Chemistry

Apr 55 CTB

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Clamician, 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) 1911, ser. 9,
v. 4, p. 5-27.

DESCRIPTORS: *Plants, *Organic materials.

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

62-17890

- I. Clamician, 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 Annales de Chimie (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...

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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 Fluivene Series, by Ch. Courtot,
31 pp.

FRENCH, per: Ann de Chim. Vol IV, no 9, 1915,
pp 58-136, 180-224, Vol V, 1916, pp 52-108,
194-224.

S.L.A. Tr 107

32, 779

WEur - France
Scientific - Chemistry

The Subnitride of Carbon C_4N_2 , Cyanacetylene
 C_3NH , by Charles Mourou, Jacques Ch. Bongrand,
64 pp.

FRENCH, per Annales de Chim, Vol XVII, 1920,
pp 1-56.

AEC 67-3843

Sci - Chem
Jan 60

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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

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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.

SIA Tr 2195

Sci - Chemistry
Sep 57

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Aldelyde Acids of the Succinic Series. Part II.
Preparation and Study of the Succinic Series, by
E. Carriene.
FRENCH, per, Annales de Chimie, Series 2, Vol 17,
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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

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

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*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, par, 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

63-10582

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] pp
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)

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

Office of Technical Services

Contribution to the Study of Some
Ammonium Salts; II. Ammonium Phosphates,
by Andre de Ruscilla, 8p.
FRENCH, per, Annales de Chimie, Vol 5,
1936, pp 83-146.
SLA TT-64-20985

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Sci
Jul 67

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

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

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Britcher Tr 10,005
\$33.20

Sci - Chem

Apr 58

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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.

SIA 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.

FRENCH, per, Annales^S Chim, Vol XX, 1945, pp 5-72.

9213034

ABC-SCL-Tr-483

Sci - Chem

Aug 63

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General Kinetic Characteristics of the
Reactions $\text{Asol} + \text{Bgas Csol}$ at a Coeff-
ficient of Expansion Greater Than Unity,
by D. Paschanski.

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

Broken Hill Prop Co Ltd
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Sci - Chem
Jul 62

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

Chem
Aug 66

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308,613

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 NRC 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
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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, par, Annal Chim., Vol VI, No 12, Paris, 1951,
pp 165-219.

AEC Tr 2056

Scientific - Physics

Aug 53 CTS

4819

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

ABO-tr-5515

Sci - Chem
Jan 63

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

Sci - Phys
Aug 66

305,649

63-16872

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, *Phosphates, *Hydrogen, Chemical reactions.

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

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

30,042

Ducet, 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 m\$2.40, ph\$3.30 61-10158

Trans. of Annales de Chimie (France) 1951 [ser. 12]
v. 6 [Sep/Oct] p. 705-716.

148,483

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

61-10158

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

Office of Technical Services

61-10171

[Ducret, L. P.]

[CONTRIBUTIONS TO THE STUDY OF TETRA- AND
PENTAVALENT VANADIUM IONS], CHAP. III AND
IV. [1960] 11 p. (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 61-10156

148, 485

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 Villelume, 55 pp.

FRENCH, J., Annales Chimie, Vol VII, No 12,
1952, pp 285-310. 9201384

AEC-tr-5515

Sol - 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 m\$3.30, p\$7.80 60-23457

Trans. of Annales de Chimie (France) 1952, ser. 12,
v. 7, p. 808-848.

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, Andre.
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 Annales de Chimie (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 ~~1986~~ 1955, pp 903-967.

S.L.A. Tr 1334/1956

Sci - Chem
Feb 57 CTB/dax

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

FRENCH, per, Annales Chimie, Vol ^{I,}~~XXXX~~ ~~XXXX~~
1956, pp 381-398.

AEC Tr-4338

Sci - Chem
Feb 62

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