

Study of The Electrical Properties and Crystal
Structures in the System, by M. Rosenberg,
P. Nicolau, R. Manaila, P. Pausescu, 12pp
RUMANIAN, per, Acad Rep Populare Romine, Studii
si Cercetari de Fiz, Vol 13, 1962, No 4, pp
651-665
ATS-53R79RU

Sci - Phy
June 67

327,573

A Method for the Measurement of Diffusion in
Gels by Means of Radioactive Isotopes, by
F. Kelemen, et al,
RUMANIAN, per, Acad. Rep. Populare Romine, Studii
Cercetari Fiz., Vol XIV, No 5, 1963, pp 583-588.
ATS RU-4708

Sci-Nucl Sci
Jul 67

329,137

On the Formation and Thermal Decomposition
of Apatite. IV. Thermal Decomposition of
Apatite Under the Influence of Heat and
Sodium Carbonate, by C. Liteanu, D. Macarovici.
RUMANIAN, per, Academia Republicii Populare
Romine Filiala Cluj. Studii Si Cercetari de
Chemie, Vol 14, No 1, 1963, pp 81-92.
SLA TT-66-10268

Sci-Chem
Aug 66

309,196

On the Formation and Thermal Decomposition
of Apatite. V. Reaction of Thermal Decom-
position of Apatite with Sodium Carbonate
and its Kinetic, by C. Liteanu, D. Macarovici.
FRENCH, per, Academia Republicii Populare
Romine Filiala Cluj. Studii si Cercetari de
Chimie, Vol 14, No 1, 1963, pp 93-101.
SIA TT-66-10269

Sci-Chem
Aug 66

309,197

On the Formation and Thermal Decomposition
of Apatite. VI. The Thermal Decomposition of
Apatite Under the Influence of Silica and the
Occurring Reaction, by C.Liteanu, D. Macarovici.
RUMANIAN, per, Academia Republicii Populare
Romine Filiala Cluj. Studii si Cercetari de Chemie,
Vol 14, No 1, 1963, pp 103-110.
SLA TT-66-10270

Sci-Chem
Aug 66

309,198

On the Formation and Thermal Decomposition
of Apatite. VII. Thermal Disaggregation of
Apatite Under the Influence of Sodium
Carbonate and Silica, by C. Liteanu,
D. Macarovici.

RUMANIAN, per, Academia Republicii Populare
Romine Filiala Cluj. Studii si Cercetari de
Chimie, Vol 14, No 1, 1963, pp 111-124.
SIA TT- 66-10279

Sci-Chem
Aug 66

309,199

Some applications of spectral sets, I. Harmonic-
spectral measure., by Ciprian Foias.
Czech, per, Acad. R. P. Romine. Stud. Cerc. Mat.,
Vol 100, 1959, pp 365-401.
Am Math Soc
Vol 61, Ser 22

Sci-Math
Oct 687

342,173

The Theory of Metallurgical Processes: A Study
of the Decomposition of Methane Bubbled Through
Molten Cast Iron, by L. Sofroni, E. Nicoloiu,
8pp

FRENCH, per, Academia Republicii Populare
Romine Studii si Cercetaril de Metalurgie,
Vol 8, 1963, No 2, pp 191-199
SLA TT-64-30132

Sci - Meta
June 67

327,530

Research on the Properties of Solid Bodies that are
Welded by Pressure, by M. Walth. 77 pp.
FRENCH, per, Acad Royale des Sci de Belgique,
Vol 49, 1880, pp 523-596.
*NBS TT 70-57594

Sci-Misc
Jul 70

P. Ledoux

Quasi-Static Oscillations in the Atmosphere of eta
Aquilae.

Acad. Roy. Belg., Ser. 5 v. 41, 1955 29 p.

NASA TT F 14717

Feb 73

Evolution of the "Cesium on Oxidized Silver"
Photoelectric Cathode During Thermal Treatment,
by V Vladislar Schwetsoff, 4 pp.

FRENCH, per; Academie des Sciences, 1952, pp
320-322.

AMS E-186

Sci - Chem, *phys*

Feb 59

81,914

70-13477-06R

Pellerin, P.; Remy, M.-L.; Becherlot, T.

EXCLUSIVE IRRADIATION OF BLOOD STREAM WITH
MASSIVE DOSES OF GAMMA RAYS ON RATS. Academie
des Sciences. Paris. Comptes Rendus, v. 250, p 4208-
4209, 1960. Figs. omitted.

Available on loan from NTC as 70-13477-06R. \$ 5.00
Service Charge.

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730002-3

70-13478-07B

Chretien, A.; Helgorsky, J.

ON THE BORIDES OF MOLYBDENUM AND TUNGSTEN;
THE NEW COMPOUNDS MoB_4 AND WB_4 . Academie des
Sciences. Paris. Comptes Rendus, v. 252, p. 742-744,
1961.

Order from NTC as 70-13478-07B: HC \$ 6.70, MF \$ 5.80.

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730002-3

On the Taxonomy of Actinomyces of the
Lavendulae Group, by A. G. Kuchayeva.
BULGARIAN, per, Academie des Sciences
de Bulgarie, Classe des Sciences Biolog-
iques, Vol 13, 1961, pp 102-124.
*CFSTI TT 70-57128

Sci-BQM
Mar 70

70-13471-06E

Wolff, E.; Barski, G.; Wolff, E.

DEMONSTRATION OF DIFFERENT DEGREES OF
MALIGNANCY IN MOUSE CELLULAR STRAINS
ASSOCIATED WITH CHICKEN EMBRYONIC ORGAN
CULTURES. Academie des Sciences. Paris. Comptes

Rendus, v. 251, p. 479-481, 1960. NIH 9-6-60.

Order from NTC as 70-13471-06E: HC \$ 6.70, MF \$ 5.80.

The Effect of Pyramidone on the Plant Cells, by
E. Gaumann, 7 pp.

FRENCH, per, Acad. Sci. France, Vol CCXXXVIII,
11 Jan 1954, pp 188-191.

S.L.A. Tr No 57-91

Sci - Agriculture
Apr 57

46.917

23090

15 May 68

Radioelectricity-Reflection of an Electromagnetic
Wave by a Layer of Atmosphere Presenting a
Variation of the Refraction Index by Francois du
Castel, Pierre Mison,

French, Academie des Sciences, par. (unknown issue)
24 March 58, pp 1838-1840 (partial)

FV/Sci-

Special Type "B": Translator's draft plus one
T.D. 27 May 68

pp- do not mutilate,

No W-1143-(140)

Academie des Sciences de L'ures Comite de L'Annee
Geophysique Internationale, Annee Geophysique
Internationale, Bulletin D'Information,
(Abstracts)

FRENCH, per, above source, No 7, 1959, pp 42, 68,
70, 74,

*JPRS for NASA

Sci - Geophys

Aug 60

a Comparison of the Effectiveness of Five Anti-brucellosis Vaccines in Ewes, by H. Lafenetre.

FRENCH, per, Academie Veterinaire de France. Bulletin, No 8, 1962, pp 319-324.

NZDIA

Sci-Biol

Aug 63

34,982

(DC-6191)

Symposium of the I.B.A.D., by Ivan Hasslocher,
3 pp.

PORTUGUESE, per, Acao Democratica, Vol III,
No 25, Jun 1961, pp 4, 5.

JPRS 8836

LA - Brazil

168,663

Pol

Sep 61

(DC-6191)

What is the Agrarian Reform?, by Gustavo Corcao,
Jose Carlos Barbosa, 4 pp.

PORTUGUESE, per, Acso Democratica, Vol III,
No 25, Jun 1961, pp 6, 7.

JPRS 8836

LA - Brazil

168, 665

Pol

Sep 61

(DC-6191)

How Agrarian Reform is Prepared and Carried Out,
by Jose Artur Rios, Charles Hogenboom, Jose
Coutinho, 6 pp.

PORTUGUESE, per, Acao Democratica, Vol III,
No 25, Jun 1961, pp 9-11.

JPRS 8836

⁸ 168,664

LA - Brazil

Pol

Sep 61

(DC-6191)

A Democratic Measure, by Carlos Lacerda, 4 pp.

PORTUGUESE, per, Acao Democratica, Vol III,
No 25, Jun 1961, pp 12-14.

JPRS 8836

LA - Brazil

168,666

FBI

Sep 61

Separation of the Binary Mixture He-H₂ by Thermal
Diffusion, by Gh. Vasaru, C. Ungureanu, et al, 12 pp.
ITALIAN, per, Academia Republicii Populare Romine,
Institutul de Fizica Atomica si Institutul de Fizica,
Studii si Cercetari de Fizica, Vol XII, No 4, 1961,
pp 825-838. 9224891
AEC-ORNL-Tr-228

Sci-Phys
Nov 64

268,538

(DC-6191)

Political and Social Aspects of the Agrarian
Reform, by ~~Father~~ Fernando Bastos de Avila, 10 pp.

PORTUGUESE, per, Acao Democratica, Vol III,
No 25, Jun 1961, pp 18-21.

JPRS 8836

LA - Brazil

168,659

Pol

Sep 61

A Study of the Sexual Characteristics of the
Trombidioidea, by Z. Feider.

FRENCH, per, Acarologia, Vol 1, No 1, 1959,
pp 56-85.

NIH 4-84-63
(Loan Only)

Sci

Jul 63

Inghilleri, G.
ACTION OF ANILINE ON URANYL SALTS. II.
(Azione dell'Anilina Sui Sali di Uranile. Nota IIa). 16p
(foreign text included). DTC-9.
Order from OTS, ETC or DTC \$0.80 63-26957

Unedited draft trans. of R. Accademia dei Fisiocritici.
Atti (Italy) 1911, ser. 5, v. 3, p. 155-161.

DESCRIPTORS: *Anilines, *Uranium compounds, Salts.

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

63-26957

- I. Inghilleri, G.
- II. DTC-9
- III. Danish Translations
Centre, Riso

Office of Technical Services

The Bromine and Chlorine Content of Vegetable
Foods, by I. Bellucci, R. de. Gori, 13pp
ITALIAN, per, Accademia dei Fisiocritici,
Siena, Sezione Agraria Atti, Vol 11, 1948,
No 3/4, pp 49-58
SLA TT-64-2029^c

Sci - ~~KM~~ Food Hand & packaging
Equip
June 67

327,425

Barni, Mauro.
DEATH FROM ACUTE CORONARY INSUFFICIENCY
IN CHRONIC NITROGLYCOL POISONING. Jan 64,
3050 words
Order from LSA \$30.75

Trans. of Accademia dei Fiziocritica, Siena.
Sezione Medico-Fisica, Atti (Italy) 1957
[ser. 13] v. 4, p. 221-230.

(Biological Sciences--Pathology, TT, v. 11, no. 11)

TT-64-12316

I. Barni, M.
II. Literature Service,
Associates, Bound Brook,
N. J.

Office of Technical Services

Theory of Electrolyzers with Diaphragm, by
Francesco Giordani, 84pp

~~ERR~~

ITALIAN, per, Accademia d'Italia, Classe di
Science Fisiche, Matematiche e Naturali,
Memorie, Vol 1, 1930, No 6, pp 1-78
SLA TT-64-16711

Sci - Chem
June 67

328,975

Transformations of the Nitroso Pyrroles, by
Francesco Angelico, 9 p.

ITALIAN, per, Accademia dei Lincei, [Classe di
Scienze Fisiche, Matematiche e Naturali, Memorie]
1905, Vol XIV, Ser 5, pp 699-703.

SLA 60-10070

Sci

Apr 60

Vol III, No 3

112,075

²Some Derivatives of Pyrrole, by A. Angeli , /
F. Angelico, E. Calvello, 4 p.

ITALIAN, per, Accademia dei Lincei, di Scienze
Fisiche, Matematiche e Naturali, Memorie, 1902,
Vol XI, Ser 5, pp 16-17.

SLA 60-10071

Sci
Apr 60
Vol III, No 3

112,074

Physics (Electro-technics). Regarding a New ^T Type
of Non-Uniform Electric Cables, by Federici, 6 pp.

ITALIAN, per, Accad Lincei Atti, Vol XIII, 18 Jan
1931, pp 128-133.

SLA 58-126

Sci

Aug 59

94,032

Vegetable Physiology-Researches on the Physiology
of Ascorbic Acid - XI Competitive Mechanism of
the Interaction Ascorbic Acid - Indoleacetic Acid,
by S. Tonzic, F. Trezzi. UNCLASSIFIED

ITALIAN, per, Accad Lincei, Vol XVII, 1954,
pp 324-331.

DSIR/31834/CT

Sci - Chem
Sep 58

73,856

Clinical and Radiological Findings in the
Cases of Q Fever Admitted to the Municipal
Hospital of Macerata, by F. L. Nardi,
A. Foltrani, 8 pp.

ITALIAN, per, Accad Med (Turin), Vol LXVII, No 4,
1952, pp 179-183.

NIH

Scientific - Medicine

CTS/DEX

17,944

A Case of Partial Amanita, by F. Luque, et al.
SPANISH, per, Acad Med, Vol LXXI, 1954, pp 353-358.
*Navy/AMS

XII-8/74
May 65

Considerations of the Possible Pharma-
copsychiatric Applications of LSD₂₅,
by F. Giberti, et al.
ITALIA⁴, per, Accademia Medica, Vol 70,
No 2, 1955, pp 204-212.
NII-12-13-64

Sci/SUM
Sep 65

288,766

Bertelli, A., Mortari, A., and Stoll, G.
CYCLOPENTHIAZIDE FACILITATION OF EXPERI-
MENTAL CaCl_2 FIBRILLATION IN RATS (Attività
Facilitante della Ciclopentiazide sulla Fibrillazione
Sperimentale da CaCl_2 nel Ratto). [Jan 64] 5p 8refs
Order from SLA \$1.10 TT-64-14621

Trans. of Accad[emia] Med[ica] Lombarda. Atti (Italy)
1961, v. 16, p. 257-260.

(Biological Sciences--Pharmacology, TT, v. 11, no. 11)

TT-64-14621

I. Bertelli, A.
II. Mortari, A.
III. Stoll, G.

Office of Technical Services

Menozzi, A. and Appiani, G.
CERTAIN GLUTAMIC ACID DERIVATIVES: PYRO-
GLUTAMIC ACIDS AND ACTIVE PYROGLUTAMIDES.
[1963] 5p.
Order from SLA \$1. 10

63-16088

Partial trans. of [Accademia Nazionale dei Lincei,
Classe di Scienze Fisiche, Matematiche e Naturali].
Rendiconti (Italy) 1893 [ser. 5] v. 2, p. 415-423.

DESCRIPTORS: *Glutamic acid, *Amides, Esters,
Chemical reactions.

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

63-16088

I. Menozzi, A.
II. Appiani, G.
III. Title: Pyroglutamic . . .

Office of Technical Services

The Genus Nubecularia de France, by A. Silvestri,
8 pp.

ITALIAN, per, Accademia Nazionale dei Lincei,
Atti, Vol L, 1897, pp 29-36.

ATS-93K221

Sci
OTS, Vol III, No 8
Apr 61

145,130

Electromagnetic Effect of Metal Ions Deflected
From the Normal Path Owing to a ~~XXX~~ Magnetic
Field, by O. Corbino.

ITALIAN, per, Accademia Nazionale Dei Lincei
Atti, Vol XX, No 5, 1911, pp 342-344.

CSIRO/No 6144

Sci-Phys
Jun 63

Organo-Aromatic Derivatives of Boron, by E.
Pace,

ITALIAN, per, Accademia Nazionale dei Lincei.
Atti. Classe di Scienze Fisiche, Matematiche,
e Naturali. Memorie, 1929, pp 193-196.

ERDL, Ft Belvoir
T-1073

Sci
Jun 61

158, 033

A New Method for Determining Second Order
Transition Temperatures of High Polymers, by
Enzo Ferroni.

ITALIAN, per, Accad Nazionale dei Lincei,
Vol XXVI, 1955, pp 771-776.

CTS(Chem)-113

Sci
26 May 62
Vol IV, No 8

Oliveri-Mandala, E.
EFFECT OF HYDRAZOIC ACID ON METHYLCARBYLAMINE. SYNTHESIS OF TETRAZOLE HOMOLOGS.
[1963] [5p] 3refs
Order from SLA \$1.10

63-18949

Trans. of Accademia Nazionale dei Lincei. [Classe di Scienze Fisiche, Matematiche e Naturali. Rendiconti] (Italy) 1910, ser. 5, v. 19, no. 1, p. 228-231.

DESCRIPTORS: *Azoles, Synthesis (Chemistry),
*Nitriles, Methyl radicals, Hydrogen compounds
*Azides

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

63-18949

1. Title: Methyl carbylamine
2. Title: Tetrazoles
1. Oliveri-Mandala, E.

Office of Technical Services

Cambi, Livio.
SILICON MONOSULFIDE, NOTE 1. [1961] 13p.
12 refs.
Order from SLA \$1.60

61-20511

Trans. of Accad[emia Nazionale dei] Lincei. [Classe
de Scienze Fziche, Matematiche e Naturali].
Rendiconti (Italy) 1910 [ser. 5] v. 19, no. 2,
p. 294-300.

DESCRIPTORS: Silicon compounds, Sulfides.

(Unannounced)

61-20511

L. Cambi, L.

Office of Technical Services

Electromagnetic Effect of Metal Ions Deflected
From the Normal Path Owing to a ~~VERY~~ Magnetic
Field, by O. Corbino.

ITALIAN, per, Accademia Nazionale Dei Lincei
Atti, Vol XX, No 5, 1911, pp 342-344.

CSIRO/No 6144

Sci-Phys
Jun 63

234,603

Silicon Sulfides, Note 2, by Livio Cambi,
12 pp.
ITALIAN, per, Accademia Nazionale dei Lincei,
Atti Classe di Scienze Fisiche, Matematiche e
Naturali, Rendiconti, 1911, Vol 20, pp 433-440.
SLA TT 64-16712

Jul 66

305,454

Sandorini, G.
THE LEAD OXYHALIDES, 2 Apr 47 [8]p. (figs.
omitted) 12 refs.
Order from SLA \$1.10

63-14308

63-14308

I. Sandorini, G.

Trans. of Accad[emia Nazionale dei] Lincei. [Classe di
Scienze Fisiche, Matematiche e Naturali. Rendiconti]
(Italy) 1914, ser. 5, v. 23, p. 959-965.

DESCRIPTORS: *Lead compounds, *Oxyhalides,
Fused materials, *Oxides, Crystallization, Physical
properties, High-temperature research.

(Chemistry--Inorganic, TT, v. 10, no. 4)

Office of Technical Services

NBS

10-17

R-7953-D

3 Feb 67

Una misura del rapporto h/k per mezzo della
dispersione anomala del tallio

By: Fermi, E. and Rasetti, F.

From: Scad. Naz. Linc. Rendiconti Vol. 5, 1927
566-570

(5 pp)

Italian - est for wds:

Please translate and type 1 original copy. Do not
cut or paste-up. Do not mutilate document.

Organo-Aromatic Derivatives of Boron, by E.
Face,

ITALIAN, per, Accademia Nazionale dei Lincei.
Atti. Classe di Scienze Fisiche, Matematiche,
e Naturali. Memorie, 1929, pp 193-196.

ERDL, Ft Belvoir
T-1073

Sci
Jun 61

158, 033

Bernardini, I.
NICOTINE IN TOBACCO. [1962] 6p.
Order from K-H \$10.00 K-H 3923-a
Trans. of Accademia Nazionale dei Lincei. [Classe
di Scienze Físiche, Matematiche e Naturali. Rendic-
conti] (Italy) 1920 [ser. 5] v. 29, p. 62-66.
DESCRIPTORS: *Nicotine, Tobacco.

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

62-17811

I. Bernardini, I.
II. K-H-3923-a
III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Aromatic Organic Derivatives of Boron, by E.Pace.
ITALIAN, per, Accad Naz dei Lincei, Atti Classe
di Sci Fis Mat e Nat Rend, 1929, ser.6, vol.10,
pp. 193-196.
SLA-TT-64-20370

Chem
Aug 66

307,782

Dithiocarbamates and Nitrosodithiocarbamates
of Iron, by L. Cambi, A. Cagnasso, 7 pp.
ITALIAN, per, Accad Naz dei Lincei, Atti
Classe di Scienze Fisiche, Matematiche e
Naturali, Rendiconti, 1931, ser 6, Vol 13,
pp 809-813.
SLA TT 64-16714

Jul 66

305,471

Baroni, A.
THE OXYHALIDES OF LEAD. [1963] 12p. (figs.
omitted) 8 refs.
Order from SLA \$1.60
..... 01.16 (5 pr) 63-16022
63-12210
Trans. of Accademia Nazionale dei Lincei [Rome].
Classe di Scienze, Fisiche, Matematiche e Naturali.
Rendiconti (Italy) 1934, ser. 6, v. 20, p. 364-390.

DESCRIPTORS: *Lead compounds, *Oxyhalides,
*Crystal structure, Colors, Chlorides, Iodides,
Bromides

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

63-16022

I. Baroni, A.

Office of Technical Services

Examination of Some Vinyl Polymers With Electron
Rays, by G. Natta, R. Rigamonti, 12 pp.

ITALIAN, Per, Accad Lincei. Classe Sci Fiz Mat Nat,
1936, Vol XXIV, pp 581-588.

SLA 59-10813

Sci
Oct 59
Vol 2, No 3

99,891

Functional Disorders of the Respiration
in Malaria, by G. Meldolesi.
ITALIAN, per, Accademia Medica, Roma.
Bollettino ed Atti, Vol 57, 1931,
pp 310-316
NTC 72-12084-06E

June 72

Characterizing Irreducible Representations in
Connection with the Semi-Simple Groups of L I E, by
Giulio Racah, 8pp
ITALIAN, per, Accademia Nazionale de Lincei, Atti.
Classe de Scienze Fisiche Matematiche e Naturali,
Rendiconti, Vol 8, 1950, No 2, pp 108-112
SLA TT-64-18590

Sci - Mat
June 67

327,514

<p>Giacomello, G. ON THE CONSTITUTION OF SULFUR MONOCHLORIDE AND ON THE DERIVATIVES OF THE HYPOCHLOROUS ACID (S-OH)₂. [1960] 9p. 17 refs. Order from S.I.A. mi\$1.80, pb\$1.80 60-16848</p>	<p>60-16848 1. Sulfur chlorides--Synthesis 1. Giacomello, G.</p>
<p>Trans. of Accademia Nazionale dei Lincei [Rome, Classe di Scienze, Fisiche, Matematiche e Naturali, Rendiconti] (Italy) 1935, ser. 6, v. 21, p. 36-42.</p>	
<p>142781</p>	
<p>(Continued)</p>	<p>Office of Technical Services</p>

Natta, G. and Rigamonti, R.
ELECTRONIC RAY EXAMINATION OF SOME
VINYL POLYMERS [Esame coi Raggi di Elettroni di
Alcuni Polimeri Vinilici]. [1963] 8p. (figs. omitted)
6 refs.

Order from SLA \$1.10

63-14122

Trans. of [Accademia Nazionale dei Lincei. Classe
di Scienze Fisiche, Matematiche e Naturali].

Rendiconti (Italy) 1936 [ser. 6] v. 24, p. 381-388.

Another trans. is available from SLA ml\$1.80,
pb\$1.80 as 61-10453 [1960] [10]p.

DESCRIPTORS: *Vinyl radicals, Polymers, *Vinyl
plastics, Molecular electronics, Electron beams.

An examination is made of the interferences produced
in electron rays by thin laminae (thickness 10^{-5} cm)
of some linear vinyl polymers: polyvinyl bromide,
(Materials--Plastics, TT, v. 10, no. 3) (over)

63-14122

I. Natta, G.
II. Rigamonti, R.

Office of Technical Services

The Operation of a Proton Tube, by T. Franzini,
8 pp. UNCLASSIFIED

ITALIAN, per, Accademia Nazionale dei Lincei,
Rendiconti, No 27, 20 Mar ~~193~~ 1938, pp 292-297.

Amer Meteor Soc For
Geophys Res Dir ASTIA

Sci - Physics
May 58

63,118

R-3991-D

The Bacteriological Metabolism of Glycerol and Its
Derivatives, by E. Bonetti, M. Aloisi.

ITALIAN, per, Accademia dei Lincei, di Scienze
Fisiche, Matematiche e Naturali, Memorie, Vol II,
1947, pp 701-706.

*JPRS/Army Biol Lab

Sci-Biol & Med Sci
April 64

On the Electromagnetic Field in a Half-space, by
Luigi Caprioli, 5 pp.

ITALIAN, per, Accademia Nazionale dei Lincei, Rome.
Classe di scienze fisiche, matematiche e naturali.
Rendiconti, Vol VII, 1949, pp 103-106.

34,405

S.L.A. No 183/1956

Scientific - Physics

Derivation by Statistical Mechanics of the Law
of Dependence of the Solids on Temperature, by
Piero G. Bordoni.

ITALIAN, per, Accademia Nazionale dei Lincei.
Classe di Scienze, Fisiche, Matematiche e Naturali
Rendiconti, No 6, 1950, pp 597-602.

*AEC-UCRL

Sci - Phys

Jun 63

On Fluorescence Excited by Alpha Particles in
Solutions, by Mario Agano, Ruggero Querzoli, 4 p.

ITALIAN, per, Accademia Nazionale dei Lincei,
[Classe di Scienze Fisiche, Matematiche e Naturali,
Rendicenti] 1951, Ser 8, Vol XI, No 5,
pp 265-267.

SLA 59-17961

Sci
Mar 60
Vol 2, No 11

109,538

Quilico, A., Cardani, C., and Piozzi, F.
THE STRUCTURE OF ECHINULIN (Sulla Struttura
dell'-Echinulina) tr. by D. A. Sinclair. 1963, 9p.
6 refs. NRCC Technical Trans. 1077.
Order from NRCC \$0.50 NRCC C-4459

Trans. of Accad[emia] Naz[ionale del] Lincei. Classe
[di] Sci[enze] Fiz[iche] Mat[ematiche e] Nat[urall].
Rend[iconti] (Italy) 1954 [ser. 8] v. 17, p. 315-322.

DESCRIPTORS: *Fungi, *Biological products,
*Molecular structure, Determination, Chemical bonds.

(Biological Sciences--Biochemistry, TT, v. 10, no. 6)

63-17857

1. Title: Echinulin
- I. Quilico, A.
- II. Cardani, C.
- III. Piozzi, F.
- IV. NRCC TT-1077
- V. NRCC C-4459
- VI. National Research
Council of Canada

Office of Technical Services

A New Class of Polymers of α -Olefin with
Exceptional Regularity of Structure, by
G. Natta, 20 pp.

ITALIAN, per, Accademia Nazionale dei Lincei.
Atti. Memorie di Scienze Fisiche, Serie 8,
Vol IV, No 4, 1955, pp 61-71.

SLA 61-17641

Sci
24 Jul 62
Vol VII, No 10

204, 191

R-3991-D

The crystal structure of a new type of polypropylene, by G. Matta, P. Corradini, 18 pp.

ITALIAN, per, Accademia Nazionale dei Lincei.
Atti. Memorie de Scienze Fifiche, Serie 8,
Vol. IV, ser II, No 5, 1955, pp 73-80.

SLA 61-17647

Sci
24 Jul 62
Vol VII, No 10

204, 189

Natta, G., and Corradini, P.
THE CRYSTAL STRUCTURE OF ISOTACTIC POLY-
STYRENE. 13p. 6 refs. MWL: 851.
Order from OTS or ETC \$1.55 61-17359

Trans. of Accademia Nazionale dei Lincei. Atti. Clas-
se di Scienze Fisiche, Matematiche e Naturali.
Rendiconti (Italy) 1955, ser. 8, v. 18, p. 19-27.

DESCRIPTORS: *Styrenes, Polymers, *Crystal
structure, X-Ray diffraction analysis.

61-17359

- I. Natta, G.
- II. Corradini, P.
- III. MWL-851
- IV. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Natta, G. and Corradini, P.
CRYSTALLINE BUTADIENE POLYMERS AND STRUCTURE OF 1-2-POLYBUTADIENE. 17p. MTWL: 867.
Order from OTS or ETC \$1.85 61-17644

Trans. of Accademia Nazionale dei Lincei. Atti.
Rendiconti di Classe di Scienze Fisiche, Matematiche
e Naturali (Italy) 1955, ser. 8, v. 19, p. 229-237.

DESCRIPTORS: *Butadienes, Polymers, Crystals,
Structure.

61-17644

- I. Natta, G.
- II. Corradini, P.
- III. MTWL-867
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Natta, Giulio, Pino, Piero and others.
SYNTHESES AND PROPERTIES OF CRYSTALLINE
HIGH POLYMERS OF SOME ALPHA-OLEFINS WITH
A BRANCHED CHAIN. [1960] 10p. 9 refs.
Order from SLA mi\$1.80, ph\$1.80 60-18499

Trans. of Accad[emia] Naz[ionale dei] Lincei. Classe
[di] Scienze [Fiz[iche] Mat[ematiche] e Nat[urall]].
Rend[iconti] (Italy) 1955, v. 19, p. 397-403.

143,024

OTS-TT-64-16768

(Chemistry--Organic, TT, v. 5, no. 3)

60-18499

- I. Propene--Synthesis
- I. Natta, G.
- II. Pino, P.

Office of Technical Services

Natta, G., Corradini, P., and Bassi, I. W.
CRYSTALLINE STRUCTURE OF SOME ISOTACTIC
POLY- α -OLEFINS. 14p. 6 refs. MTWL: 855/1.
Order from OTS or ETC \$1.85 61-17348
SLA \$1.60 (13pp) 61-17348
Trans. of Accademia Nazionale dei Lincei, Att.
Classe di Scienze Fisiche, Matematiche e Naturali.
Rendiconti (Italy). 1955, ser. 8, v. 19, p. 404-411.

DESCRIPTORS: *Polymers, *Ethylene, Crystal
structure, X-Ray diffraction analysis.

K-H-5408-b(13pp) \$13.00
OTS-IT-64-16769

61-17348

- I. Natta, G.
- II. Corradini, P.
- III. Bassi, I. W.
- IV. MTWL-855 1
- V. Stichting Moeilijk
Toegankelijke Wetenschap
pelijke Literatuur

Office of Technical Services

Natta, G.
THE GEOMETRICAL FORM OF THE HELICAL
CHAINS OF CRYSTALLINE ISOTACTIC POLYMERS.
13p. 6 refs. MIWL: 853¹.
Order from OTS or ETC \$1.85 61-17346

Trans. of Accademia Nazionale dei Lincei. Atti.
Classe di Scienze Fisiche, Matematiche e Naturali.
Rendiconti (Italy) 1955, ser. 8, v. 19, p. 453-459.

DESCRIPTORS: *Polymers, Crystals, *Molecular
structure, Geometry.

OTS-IT-64-16757

61-17346

- I. Natta, G.
- II. MIWL-853¹
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Structure of the Chain of Crystalline Poly
(~~Propylene~~ Oxide), by G. Batta, 11 pp.

ITALIAN, per, Accademia Nazionale dei Lincei.
Atti. Classe di Scienze Fisiche, Matematiche e
Medicine Sperimentali. Serial H C, Vol XI, 1956,
pp 408-413.

SIA 61-17646

Sci.
24 Jul 62
Vol VII, No 10

204, 792

Natta, G., Corradini, P., and Porri, L.
THE STRUCTURE OF NEW POLYMERS OF CONJUGATE
DIOLEFINS CONTAINING 1-4 TRANS LINKAGES.
12p. MTWL: 872. 61-17636
Order from OTS or ETC \$1.85

Trans. of Accademia Nazionale dei Lincei, Atti.
Classe di Scienze Fisiche e Matematiche, Rendiconti.
(Italy) 1956, Ser. 8, v. 20, p. 728-734.

DESCRIPTORS: *Polymers, *Butadienes, *Isoprene,
X-ray diffraction analysis, Structures.

61-17636

- I. Natta, G.
- II. Corradini, P.
- III. Porri, L.
- IV. MTWL-872
- V. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Crystalline Structure of Isotactic Polypropylene,
by Giulio Natta, Paolo Corradini, Marco Cesari,
10 p.

ITALIAN, per, Accad Nazionale Lincei, Classe di Sci
Fi Nat e Nat Rend, 1956, Vol XXI, No 5, pp 365-372.

SLA 59-15931

Sci
Jan 60
Vol 2, No 6

103,745

Crystalline Polymer of Butadiene With 1-2
Isotactic Linkage, by G. Natta, I. Porrt,
P. Corradini, et al.

ITALIAN, per, Accademia Nazionale dei Lincei,
Roma. Classe di Scienze Fisiche Matematiche
e Naturali, Rendiconti, Vol XX, 1956,
pp 560-566.

CSIRO

19 2,7 24

Sci - Chem
Apr 62

Natta, G., Corradini, P., and Bassi, I. W.
THE CRYSTALLINE STRUCTURE OF ISOTACTIC
1,2-POLYBUTADIENE. [1962] 7p.
Order from ATS \$6.95 ATS-03P60I

Trans. of Accademia Nazionale dei Lincei, Classe
[di Scienze Fisiche Matematiche e Naturali,
Rendiconti] (Italy) 1957 [ser. 8] v. 23, no. 6,
p. 363-370.

DESCRIPTORS: *Polymers, *Butadienes, Crystal
structure.

(Chemistry--Organic, TT, v. 8, no. 4)

62-17316

I. Natta, G.
II. Corradini, P.
III. Bassi, I. W.
IV. ATS-03P60I
V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Kinetic Treatment of the Formation of Stereoblock
Polymers, by Giulio Natta, 15 pp.

ITALIAN, Per, Accad Lincei. Classe Sci Fiz Mat Nat, Rend,
1958, Vol XXIV, No 3, pp 246-255.

SLA 59-10809

Sci
Oct 59
Vol 2, No 3

99,892

Stereospecific Polymerization of Acetylene, by G.
Natta, G. Mazzanti, P. Corradini, 15 pp.

ITALIAN, per. Accad Naz Lincei Classe di Sci Fiz,
Mat e Nat Rend, Ser 8, Vol XXV, No 1/2, 1958,
pp 3-12.

SLA 59-15708

Sci
Dec 59
Vol 2, No 5

103,591

Crystalline Structure of Metalorganic Complexes
Containing Aluminum and Titanium, by Paolo Corradini,
Ivano Walter Bassi, 10 pp.

ITALIAN, per, Accad Nazionale Lincei Classe Sci
Fiz Mat e Nat Rendiconti, Ser 8, Vol XXIV, No 1,
1958, pp 43-49.

SIA 59-10834

Sci
Nov 59
Vol 2, No 3

101,547

Structure of linear low molecular weight polymers
of Acetylene, by Ruminio Lombardi, Luigi Cluffe,
9 pp.

ITALIAN, per, Accademia Nazionale dei Lincei.
Classe di Scienze Fisiche, Matematiche e Naturali.
Rendiconti, Vol XXV, No 1-2, Ser 8, 1954, pp 70-74.

SLA 59-17065

Sci
Jan 60
Vol 2, No 7

104,832

Isophase Transitions of Polymers of α -Olefines of
the Normal Aliphatic Series, by Giulio Natta,
Ferdinando Danusso, Giovanni Moraglio, 11 pp.

ITALIAN, per, Accademia Nazionale dei Lincei. Classe
di Scienze Fisiche Matematiche e Naturali Rendiconti,
Vol XXIV, ser 8, 1958, pp 254-260.

SLA 59-15001

Sci - Chemistry
Nov 59

103,285

Cardani, C. and others.
THE STRUCTURE OF ECHINULIN (Sulla Struttura
dell'Echinulina)
D. A. Sinclair, tr. 1963, 7p 2refs NRCC Technical
Trans. 1075.
Order from NRCC \$0.50 NRCC-C-4413

Trans. of Accad[emia] Naz[ionale dei] Lincei. Classe
[di] Sci[enze] Fis[iche] Mat[ematiche e] Nat[urali].
Rend[iconti] (Italy) 1958 [ser. 8] v. 24, p. 488-493.

DESCRIPTORS: Biological products, Chemical
analysis, Molecular structure.

(Biological Sciences--Biochemistry, TT, v. 11, no. 5)

TT-64-12029

- I. Title: Echinulin
- I. Cardani, C.
- II. NRCC-TT-1075
- III. NRCC-C-4413
- IV. National Research
Council of Canada

Office of Technical Services

On Spherical Vortices in Magnetohydrodynamics,
by C. Agostinelli,
ITALIAN, per, Accademia Nazionale dei Lincei,
Classe di Scienze Fisiche, Matematiche e
Naturali, Rendiconti, Vol XXIV, No 1, 1958,
pp 35-42.
*NASA

Sci-Phys
Sept 66

Cavalca, L., Marini, U., and Novi, G.
POTENTIATION OF THE PRESSOR ACTION OF 1-NORE
PINEPHRINE BY GUANETHIDINE (Potenziamento dell'
Azione Pressoria della 1-Noradrenalina Mediante Guane-
tidina). 11p 15refs.
Order from SLA \$1.60

TT-64-16358

Trans. of Accademia Medica Lombardia, Atri (Italy)
1962 [v. 17] p. 378-384.

(Biological Sciences--Pharmacology, TT, v. 12, no. 4)

TT-64-16358

I. Cavalca, L.
II. Marini, U.
III. Novi, G.

Office of Technical Services

Natta, Giulio, Giuffre, Luigi, and Pasquon, Italo.
DETERMINATION OF METALS BOUND TO ISO-
TACTIC POLYPROPYLENE CHAINS. 7 June 60, 12p.
9 refs.
Order from SLA \$1. 60

61-16791

Trans. of Accad[emia] Naz[ionale dei] Lincel. [Classe
di Scienze Fziche, Matematiche e Naturali. Rendi-
conti] (Italy) 1958 [ser. 8] v. 25, no. 6, p. 417-423.

DESCRIPTORS: *Propenes, Polymers, *Metals, De-
termination, Polymerization, Molecular weight.

In the polymerization of isotactic polymeric propylene,
with the $Al(C_2H_5)_3$ - $TiCl_3$ catalytic system, the
chain transfer process, the rate of which is a function
of the square root of the concentration of alkylalumi-
num, introduces $-C_2H_5$ terminal groups into the poly-
meric chains which remain, for the most part, bound
to aluminum. With the variation of the concentration of
alkylaluminum, a variation in the number of $-C_2H_5$
(Chemistry--Organic, TF, v. 6, no. 5) (over)

61-16791

- I. Title: Isotactic polymers
- I. Natta, G.
- II. Giuffre, L.
- III. Pasquon, I.

180518

Office of Technical Services

Natta, Giulio, Farina, Mario, and Peraldo, Mario.
POLYMERS HAVING A DOUBLY ISOTACTIC
STRUCTURE. [Nov 63] 1800 words 5 refs
Order from CTS(Chem) \$7.20 CTS(Chem)-348
subsequent copies \$1.20/ea.

Trans. of [Accademia Nazionale dei] Lincei. [Classe
di] Sc[ienze] Fis[iche] Mat[ematiche] e Nat[urall].
Rend[iconti] (Italy) 1958 [ser. 8] v. 25, p. 424-430.

DESCRIPTORS: *Polyethylene plastics, *Propenes,
Polymerization, Ziegler catalysts, *Stereochemistry,
Molecular structure.

(Materials--Plastics, TT, v. 11, no. 5)

TT-64-12044

- I. Natta, G.
- II. Farina, M.
- III. Peraldo, M.
- IV. CTS(Chem)-348
- V. Chemical Translating
Service, Palo Alto, Calif.

Office of Technical Services

Molecular Weight and Affinity of Interaction with
Solvents of Fractions of Atactic Polypropylene,
by Ferdinando Danusso, Giovanni Morgallo, Vincenzo
Giannella, 18 p.

ITALIAN, per, Accad Naz Lincei, [Classe di Scienze
Fisiche, Matematiche e Naturali]; Rend, 1958,
Ser 8, Vol XXV, No 6, pp 498-508.

SLA 59-20891

61-16797
110, 864

Sci
Mar 60
Vol 3, No 1

Darusso, Ferdinando and Moraglio, Giovanni.
RELATION BETWEEN INTRINSIC VISCOSITY AND
MOLECULAR WEIGHT OF ATACTIC POLYPROPYL-
ENE IN VARIOUS SOLVENTS. [1961] [14]p. 9 refs.
Order from SLA \$1.60 61-16790

Trans. of Accad[emia] Naz[ionale dei] Lincei. [Classe
di Scienze Fisiche, Matematiche e Naturali. Rendi-
conti] (Italy) 1958 [ser. 8] v. 25 [no. 6] p. [509]-516.

DESCRIPTORS: *Propenes, *Polymers, Viscosity,
Molecular weight, *Organic solvents, *Benzenes,
*Toluenes, *Cyclohexanes.

Viscometric measurements were made on dilute solu-
tions of fractions of atactic polypropylene of known
molecular weight, in cyclohexane, toluene, and benzene
at 30°C, and in isoamyl acetate at 34°C. The relation
between intrinsic viscosity and molecular weight, which
was thus determined for each of the four solvents,
which are endowed with rather different solvent power,
(Chemistry--Organic, TT, v. 6, no. 5) (over)

61-16790

1. Title: Atactic polymers
- I. Darusso, F.
- II. Moraglio, G.

180517

Office of Technical Services

The Resonance Energy of Polyacetylene, by Paolo
Corvaciini, 6 pp.

ITALIAN, per, Accademia Nazionale dei Lincei.
Classe di Scienze Fisiche Matematiche e Naturali.
Rendiconti, Vol. XXV, No. 6, Ser. 8, 1953, pp. 517-523.

SLA 59-27072

Sci
Jan 60
Vol 2, No 1

104 816
7 016

Enthalpy and Entropy of Fusion of Isotactic
Polypropylene by Ferdinando Danusso, Giovanni
Moraglio, Eduardo Flores, 13 p.

ITALIAN, per, Accad Naz dei Lincei, [Classe di
Scienze Fiz, Matemat, e Naturali] Rend, 1958,
Vol XXV, No 6, pp 520-527.

BLA 59-20890

Sci
Mar 60
Vol 3, No 1

111,029

Mesomorphic Smectic Modification of Isotactic
Polypropylene, by Giulio Natta, Mario Peraldo,
Paolo Corradini, 7 p.

ITALIAN, per, Acc. Lincei Rend, 1959, Vol XXVI,
No 1, pp 14-17

SLA 59-17937

TT-64-20920

Sci
Mar 60
Vol 2, No 12

109,262

Natta, Giulio, Mazzanti, Giorgio and others.
A NEW CRYSTALLIZABLE ORGANOMETALLIC
COMPLEX CONTAINING TITANIUM AND ALUMINUM
AND ITS CATALYTIC PROPERTIES IN THE POLY-
MERIZATION OF OLEFINS. [1962] 5p. 5 refs.
Order from CTS(Chem) \$4.40 CTS(Chem)-260
subsequent copies \$0.75/ea.

Trans. of [Accademia Nazionale dei Lincei (Classe
di Scienze Fisiche, Matematiche e Naturali)]
Rendiconti (Italy) 1959, ser. 5, v. 26, Feb.
p. 150-154

DESCRIPTORS: Organic compounds. *Inorganic
compounds. *Complex compounds. Titanium.
Aluminum. Catalysts. Polyenes. Polymerization.
Crystallization.

Chemistry--Organic, TT, v. 4, no. 2

62-12965

I Natta, G
II Mazzanti, G
III CTS(Chem)-260
IV Chemical Translating
Service, Palo Alto, Calif.

Approved for Release

Natta, Giulio, Corradini, Paolo, and Allegra,
Giuseppe.

THE CRYSTALLINE STRUCTURE OF THE γ
FORM OF TITANIUM TRICHLORIDE. [1961] 10p.
(3 figs. 2 tables omitted).

Order from SLA mi\$1.80, ph\$1.80 61-14479

... " SLA 8 1.60 (16 pp) 61-14479
Trans. of Accad[emia] Naz[ionale] [e dei] Lincei.
Classe [di] Sci[enze] Fis[iche] Mat[ematiche] e
Naturali. Rend[iconti] (Italy) 1959, [ser. 8] v. 26,
p. 155-163.

The γ form presents a remarkable structural analogie
with the α form, which justifies the color (violet),
the density and the closely analogous chemical
behavior.

(Physics--Solid State, TT, v. 5, no. 12)

61-14479

I. Titanium chlorides--
Crystal structure

- I. Natta, G.
- II. Corradini, P.
- III. Allegra, G.

151887

Office of Technical Services

Plontelli, Roberto, Polla, Guido, and Rivolta, Bruno.
ELECTRODE BEHAVIOR OF TIN SINGLE-
CRYSTALS. [1961] 11p. 4 refs.
Order from SLA \$1.60

62-10352

Trans. of Accademia Nazionale dei Lincei. Classe
di Scienze Fisiche, Matematiche e Naturali.
Rendiconti (Italy) 1959, ser. 8, v. 26, no. 4,
p. 431-434.

DESCRIPTORS: *Single crystals, Metallic crystals,
*Tin, *Electrodes, Purification, Electrochemistry,
X-ray diffraction analysis.

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

62-10352

- I. Title: Overvoltage
- I. Plontelli, R.
- II. Polla, G.
- III. Rivolta, B.

Office of Technical Services

A New Method for Determining Second Order
Transition Temperatures of High Polymers, by
Enzo Ferroni.

ITALIAN, per, Accad Nazionale dei Lincei,
Vol XXVI, 1959, pp 774-776.

CPS(Chem)-113

Sci
25 May 62
Vol IV, No 8

198, 240

Piontelli, Roberto and Bicelli, Luisa Peraldo.
HYDROGEN OVERVOLTAGE ON TIN SINGLE-
CRYSTALS. [1961] 9p. 18 refs.
Order from SLA \$1.10

62-10351

Trans. of [Accademia Nazionale dei Lincei]. Classe
di Scienze Fifiche, Matematiche e Naturali. Rendi-
conti (Italy) 1959, ser, 8, v. 27, no. 5 [p. 162-167].

DESCRIPTORS: *Single crystals, Metallic crystals,
Electrodes, *Tin, Ion exchange, Reaction kinetics,
Electrochemistry, "Hydrogen.

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

62-10351

- I. Title: Overvoltage
- I. Piontelli, R.
- II. Bicelli, L. P.

Office of Technical Services

Moraglio, Giovanni and Gianotti, Giuseppe.
VISCOSIMETRIC AND CONFIGURATIONAL PROPERTIES OF ATACTIC POLYBUTYLENE. [1962] 7p.
5 refs.

Order from CTS(Chem) \$6.40 CTS(Chem)-264
subsequent copies \$1.10/ea.

Trans. of [Accademia Nazionale dei] Lincei. [Classe di] Sc[ienze] Fis[iche] Mat[ematiche] e Nat[urali]. Rend[iconti] (Italy) 1959, ser. 8, v. 27, p. 274-280

DESCRIPTORS: *Polymers, *Butylene, Viscosity, Viscosimeters, Configuration, Molecular weight, Organic solvents

(Chemistry--Organic, IT, v. 8, no. 4)

62-12963

- I. Moraglio, G.
- II. Gianotti, G.
- III. CTS(Chem)-264
- IV. Chemical Translating Service, Palo Alto, Calif.

Office of Technical Services