

(FOI B1923)

Psychophysiology - Contribution to the Study of Man's Cortical Functions. IV. Effect of Coffee on Consecutive Images and Conditioned Consecutive Images, by N. A. Popov, C. Popov, 6 pp.

FRENCH, wk per, Comptes Rendus - Hebdomadaires des Sciences de l'Academie des Sciences, No 20, Vol. C, CXXXVIII, Paris, 17 May 1954, pp 2026-2028.

18,422

CIA/FID/U-6398

USER

Sci - Medicine, physiology



Initiation of Electric Discharges in a  
Vacuum, by H. Arnal.  
FRANCI, rpt, Compt Rend, Vol (XXXXVIII), 1954,  
pp 2061-2063.  
NASA TT F-10,241

U. S. GOVERNMENT USE ONLY  
Sci-Elect  
April 68

508,005

(IND CLIP)

Psychophysiology - Contribution to the Study of  
Man's Cortical Functions by the Method of Electro-  
cortical Conditioned Reflexes. V. Second Signal  
System, by M. Popov, C. Popov, 5 pp.

FRANCOIS, wa par, Comptes Rendus - Hebdomadaires  
des Sciences de l'Academie des Sciences, No 21,  
Vol. CCXCVIII, Paris, 24 May 1954, pp 2118-2120.

CIA/FDD/U-6397

USBR

Sect - Medicine, physiology

18,208

On "Breakdown" Conditions Between Metallic  
Surfaces in a Vacuum as a Function of the  
Electrical Supply, by Robert Arnal.  
FRENCH, per, Compt Rend, Vol CCXXVIII,  
1954, pp 2402-2403.  
NASA TT P-10,276

U. S. GOVERNMENT USE ONLY  
Sci-Electronics and Electrical Engr  
312,243

Montagner, Serge Je and Bot, Jean Je and others,  
PROCESS FOR RAPID CALCULATION OF THE COM-  
PLEX DIELECTRIC CONSTANT BY USE OF CENTI-  
METER WAVELENGTH [1962] 5p. (figs. omitted) 1 ref.  
Order from SLA \$1.10 62-18325

Trans. of Academie des Sciences (Paris). Comptes  
Rendus (France) 1954, v. 239, no. 22, p. 1474-1476  
(pub. by Gauthier-Villars et Cie, Paris).  
Another trans. is available from OTS or SLA \$1.10  
in 62-34153, TWA-3191, Jan 55 [7p].

DESCRIPTORS: \*Dielectric properties, Measurement,  
\*Microwaves.

(Physics--Electricity, TT, v. 9, no. 5)

62-18325

I. Montagner, S. Je  
II. Bot, J. Je

Office of Technical Services

Preliminary Pedological And Bacteriological Studies  
of Termitaria, by P. Boyer.

FRENCH, part, C. R. Séanc Acad Sci, Paris,  
Vol 240, 1955, pp 240-569.

CSIND/No 9965

Sci/Biol  
July 69

386-843

The Oxidation and Reduction Reactions of Titanium  
Oxides and Hydroxides in Various Environments, by  
J. JEANNE Petit, R. Poisson, 2 pp.

FRENCH, per, Comptes Rendus, Vol CCXL, 1955,  
pp 312-314.

SLA 2851

Sci - Chemistry  
Feb 58

59, 578

Spectroscopy. -- Simple Arrangement for the Production  
of the Continuous Lyman Spectrum in the Far Ultraviolet,  
by Jacques Romand, Germaine Balloffet, Boris Vodar, 4 pp.

FRENCH, per, Comptes Rend des Sci de l'Acad des Sciences  
Vol CCXL, Jan-Mar 1955, pp 412-15.

FDD/X-3397

Sci  
Mar 59

*70002158 / NRL-721*



R-3000 E

Theoretical and Experimental Considerations in  
Differential Heat Analysis, by Eyraud,

FRENCH, par, Comptes Rendus, Vol. CCXL, 1955, pp 423-  
425.

\*JPRS for Army Rocket and Guided  
Missile Agency

Sci. *1/2*

Mar 60.

An X-Ray Diffraction Study of Oxide Films Formed  
on an Iron Surface, by Jean Moreau, Jean Bardolle, 3 p.

FRENCH, *Comptes Rendus*, 1955, Vol CXXL,  
No 9, pp 588-590.

SLA 59-20929

Sci  
Mar 60  
Vol 3, No 1

110,885

Influence of the Surface Concentration  
of Hydrogen on the Threshold of Electric  
Microdischarges in Vacuum, by R. Arsal.  
FRANCE, per, Compt Rend, Vol CCXL, 1955,  
pp 610-612.  
NASA TT F-10,242

Sect-Elect  
Aug 66

308,904

U. S. GOVERNMENT USE ONLY

Title L Absorption Spectra and Energy Levels of  
Neodymium (60) and Samarium (62), by Pierre  
Callon, 4 pp.

FRICH, per, Compton Rendus, Vol CCXL, 1955,  
pp 615-617.

AEC Tr-1201

Sci - Phys  
10 Nov 60  
List 45

131, 414

Enthalpic Study of the Changes in State of an  
Adsorbed Phase, by G. Boutilion, G. Eyraud, M.  
Prettre, 5 pp.

FRENCH, et al. Comptes Rendus, Vol (CCXL), 1955,  
pp 756-758.

SLA 57-1326

Sci - Chemistry  
Mar 58

58, 911



... ..  
... ..

... ..  
... ..

... ..  
(no number given)

... ..  
... ..

*93, 25A*

Physiology-Relation Between the Influence of  
Antibiotics on the Growth of the Pig and of  
the Inhibition of Helminthes of the Intestinal  
Flora, by M. Michel, A. C. Francois, 3 pp.

FRANCOIS, par, Comptes Rendus, Vol CCXL, 1955,  
pp 808-810.

SLA 3157

Jul 58

69, 897



Study of the Decomposition of Alumina Hydrates by  
Means of Differential Thermal Analysis, by C. Fyraud,  
5 pp.

FRENCH, par, Comptes Rendus, Vol CCXL, 1955, pp 862-  
864.

SLA 57-1315

Sci - Chemistry  
Feb 58

57, 525

Fractionation of the Content of Hepatic Mitochondria  
With the Aim of the Fractionation of Several  
Enzymes, by L. Harel, A. Jacob, 5 pp.

FRUCHI, per, Compt Rend, Oct 1955, pp 905-907.

SIA 58-183. .

Sci  
Jul 59

93,060

Energy of Activation of the Reaction  
and Specificity of Active Metallic Ion of  
the Catalyst, by A. Goudot.

FRANCE, par. Comptes Rendus, Vol CXXL,  
1995, pp 975-977.

OSIN)

Sci - Min/Sec

Mar (4)

188,536

Equilibrium Reaction Between Calcium, Magnesium,  
and their Fused Chlorides, by Helene Ostertag,  
5 pp.

FRANCE, per, Comptes Rendus, Vol CCXL, 1955,  
pp 1085-1087.

AEC Tr 2527

Sci - Chemistry

36,773

Jul 1956

**Graphic Conditions Insuring That all the Roots  
of an Algebraic Equation Have Real Negative  
Parts, by Hasan Nitrović.**

**FRANJEVIĆ, p. 101, Academijski Glasnik  
Sarajeva, Vol. 10, 1975, pp. 1177-1179.**

**Copy to JAG/INT. 69**

**Del. - Math & Data Processing  
Aug 68**

**238,326**

Experimental Calibration of the Calvert Micro-calorimeter, by G. L'ville.

FRENCH, per, Compt Rend, Vol CCXL, 1955, pp 1195-1197.

CSIRO. 3016

Sci  
Jul 59

93,000

Physical Chemistry-Thermal Transformations of Various  
Dioxides of Manganese, by J. Brenet, A. Grand, 4 pp.

FRENCH, per, Compt. Rend, Vol 240, 1955, pp 1210.

SIA 57-1868

Sci

65,802

62-17876

Chalvet, H. and Chalvet, O.  
THEORETICAL CHEMISTRY-APPLICATION OF THE  
GRAPHIC TABLES METHODS TO THE STUDY OF  
THE CANCERIGENIC PROPERTIES OF 3,4,9,10-  
DIBENZOPYRENE. [1962] 2p.  
Order Form K-H 5756-b

K-H 5756-b

Trans. of [Acad. des Sciences, Paris]. Comptes  
Rendus (France) 1953, v. 200, no. 11, p. 1221-1223  
(pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTOR: \*Benzyl radicals. \*Cancer. \*Biochem-  
istry. Tables.

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

- I. Title: Benzopyrene.
- I. Chalvet, H.
- II. Chalvet, O.
- III. K-H-5756-b
- IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services



On the Velocity of Diffusion in Solids, by  
E. Perrin,  
FRENCH, Per, Comptes Rendus Acad Sci, Vol 240,  
1955, pp 1388-1391.  
\*Nat Bur Stand TT 70-577499

Sci-Phys  
Jul 70

New Data on the Morphology of the Solar Photospheric Granulation, by Juan Rosch, 3 pp.

FRENCH, post, Comptes Rendus, Vol CCXL, No 16, 1955, pp 1630-1632.

SLA 59-16117

Sci - Astron  
Sep 59  
Vol 2, No 1

97,221

Considerations on the Localization of Generation and Recombination Phenomena in Contact Barrier Layers and at the Surface of a Semi-Conductor, by Nicholas Nifontoff, 4 pp.

FRANCE, per Comptes Rendus, Vol CCXL, 1955, pp 1634-1638.

S.L.A. Tr 1021/1956

39,239

Sci. - Physique

Cancerization of the Bladder with Phenazines in Rats,  
by H. G. Radall.  
FRENCH, per Comptes Rendus Paris, Vol. 40, No. 17, 1955  
pp 1733-1740  
QB 39/HO 23:7

See -  
Aug 67

338-521

Determination of the Heats of Formation of the  
Oxides of Copper, by Daniel Balesdent. *S P*

*7.2* ~~CHIMIE~~, per, Compt Rend, 240, 1955, pp 1884-1887.  
*9* • AIC/ORNL-Tr-2258-69

Sci/Chem  
Nov 69

Note on the Flocculation of Carbonaceous  
Particles in Lubricating Oils Under the  
Influence of Temperature, by B. Bernelin.  
FRENCH, par, Comptes Rendus, Vol 240,  
1955, pp 2073-2075.  
IRIC/Ref: C-5123

Sci -  
Jul 67

334,314

Comparative Study of Reactivity of Cokes and Their  
Internal Surface, by M. Bastick, J. Bastick,  
M. Houtach, H. Goerin.

BERNICH, par, Comptes Rendus, Vol CCXL, 1955, p 2124.

Dept of Interior  
Bur of Mines

Sci - Chem

Apr 58

61,170

The Formation and Reduction of Phosphomolybdic  
and Arsenomolybdic Acid, by M. Jean, 1 pp.

FRENCH, per, Comptes Rendus, Vol CCXL,  
No 23, 1955, p 2237.

Broken Hill Proprietary  
Co Ltd (CRL/T 88)

Sci  
Nov 61



On the ... of ... ..

FRANCO, per. Comptes Rendus, Vol CCXL, 1957.  
p 2341-2342

AEC Tr-4849

Dec 62

Realization of the Analogue of a Birefringent  
Quarter-Wave for a 3.2 cm Wave Length, by  
Gaston Racult, Rene Fauquin, Aime Marcon.

PREMIERE, per, Comptes Rendus, Vol CCXL, No 26,  
Jun 1955, pp 2497-2500. 200

ATIC F-TS-8690/V

Sci - Electronics  
Feb 16/CTS

31,016

How to Deduce the True Diffusivity From the  
Diffusion Measurements of a Substance, Trans-  
position to Thermal Kinetics, by P. Vernotte,  
2 pp.

FRANCO, par, Comptes Rendus, Vol. CCXL, 1955,  
pp 2322-2324.

ABC Tr 3256

Sci. + Physics  
Jun 58

65,970

Zooplankton Seen During a Drive by the Bathyscaph FNBS-5  
off Toulon, by Francis Bernard.

FRENCH, par, C. R. Acad. Sci., Paris, Volume 240,  
pp 2565-2566.

FOL

Sci

Jan 64

Chromatographic Study of the Action of Pancreatic  
Lipase on Mixed Triglycerides, by P. Savary, and  
P. Desnuelle, 2 pp.

FRENCH, *per*, *Compt Rend*, Vol CCXL, No 26, Jun 27,  
1955, p 1971-1973.

SLA 325A

Sci

Jul 58

68,598

Concentration of Isotopes by Very Rapid  
Electromigration on Paper, by Andre Bonnin,  
Marius Cheala, and Pierre Sue, 2 pp.

FRENCH, per, Compt Rendus, Vol CCXLI,  
1955, pp 40-42.

AEC Tr 2315

Sci - Physics

SLATE 217

29,185

Series Resonance With a Non-Linear Condenser,  
by M. J. Hoffman, 4 pp.

FRENCH, part, Comptes Rendus, Vol CCXLI, No 2, 4 Jul  
1955, pp 1810-1812.

SLA 3038

May 58

63,202

Study of Transitions Involving Several quanta  
Between Two Atomic Levels, by Jacques Winter,  
5 pp.

FRANCOI, JER, Acad Sciences, Comptes Rendus 241,  
1954, pp 375-377.

AIC/UCRL-Tr-1430-70

sci/Na tli  
Jan 71



The Correct Condition for the Growth of Large  
Grains, by P. Coulobb.  
FRENCH, Par, Comptes Rendus Acad Sci, Vol 241,  
1955, pp 494-496.  
\*Nat Bur Stand TT 70-57725

Sci+Agri  
Jul 70

The Mobility of Bloch Walls in Thin Layers, by L. Neel,  
6 pp.

FRENCH, Compt Rend<sup>M</sup>, Vol CXXLI, No 6, 8 Aug 1955,  
pp 533-536.

SLA Tr 57-1358

58,186

Sci. - Electronics  
June 58

~~XXXXXXXXXX~~

Thermal Dilatometric Analysis of Samarium  
Ferrite and Magnetic Transitions of the  
Ferrites of Rare Earths, by G. Oulot-Guillain  
and X. Hecht, 2 pp.

RESEARCH, par, Comptes Rendus, Vol CCXLI, 1955,  
pp 550-552.

CIA/FDD/E-226

Sci - Minerals/Metals, Physics

May 1956

34,448

Absorption of Cuprous Iodine at Very Low  
Temperatures, by S. Nikitine,  
FRENCH, per, Comptes Rendus, Vol CCXLI,  
1955, pp 629-631.  
AEC UCRL-Trans-10008

Sci-Chem  
May 67

326,2558

Regular Linear Separation, by R. Legendre, 4 pp.

FRANCOIS, Comptes Rendus Academie des  
Sciences, Vol CXXI, 1955, pp 732-734.

**HRCC 0-3109**

*TT 61-25808*

Sci  
Mar 62  
Vol VIII, No 3

*189,084*

Influence of the Structure of Mild Steels on  
Their Brittleness Under Tension, in Hydrogen  
Sulfide, by Eugene Herzog, 3 pp.

FRENCH, per, Academie des Sciences, Comptes  
Rendus, Vol. CCCLII, No 17, 1955, pp 1129, 1130.

SIA 60-10716

Sci

Jun 60

118,351

The Solubility Differences of Atomic and  
Molecular Hydrogen in Niobium, by V. M. Vukovic,  
V. M. Melutinovic, S. S. Malic, 3 pp.

FRANCE, par, Comptes Rendus, Vol CCXLI, 1955,  
pp 1298-1299.

SLA 57-1800

May 58

63,888

TT-64-16991

Mergault, Pierre.  
DISTRIBUTION POTENTIALS OF CRYOLITHIC  
SOLUTIONS OF THE OXIDES OF TI, V, Nb, Ta, U,  
Mo AND W AT HIGH P. Sp 7 refs.  
Order from SLA \$2.10

L. Mergault, P.

TT-64-16991

Trans. of [Academie des Sciences, Paris]. Comptes  
Rendus (Physical) 1965, v. 241 [no. 24] p. 1755-[1756]  
(pub. by Clouster-Villiers et Co., Paris).

(Chemistry--Physical), TT, v. 12, no. 5)

Office of Technical Services



Influence on Hydrogen Introduced Into Steels on the  
Phenomena of Delayed Fracture, by J. A. Muckleroy,  
4 pp.

FRENCH, per, Academie des Sciences, Comptes Rendus,  
Vol CCXLI, No 24, 1955, pp 1760-1762.

SLA 60-10715

Sci

Jun 60

118,349

Phosphates of Potassium, by A. Bullé, 5 pp

FRENCH, Per, Compt Rend, Acad des Sci, 1955,  
Vol. CCXIII, pp 1772-1775.

ATS-64129F

Sci  
Oct 55  
Vol 2, No 3

99,880

Infrared Spectra of Several Dioxolanes and  
Dioxanones, by G. Lagrange, P. Mastagli, 3 pp.

FRANCE, par, Comptes Rendus Academie des Sciences,  
1955, Vol. CCXLI, pp 1947-1949.

ATB-08298

Sci. - Chem  
ORD I, 12  
Jul. 59

92,266

Description of a New Research Apparatus  
Based on Interference, by H. L. Janin,  
FRANCA, per, Comptes Rendus, Academic des  
Sciences, Vol XLII, 1956.

US PATENT 31-4-25-698

84-619

Sed. Hager  
Feb 66

204,372

Interaction of Centimetre Waves With a Plasma  
in the Presence of a Magnetic Field, by F. Diamond,  
A. Gouini, T. Kaban.

FRENCH, per, Comptes Rendus Acad Sci, Vol CCLXII,  
1956, pp 90-93:

TIL T 5279

200,903

Sci - Phys

Jun 62

Study of the Absorption of the Residual Rays,  
and the Missing Rays of CuI at 77°K in the  
Visible Spectrum, by S. Nikitine, R. Reiss,  
FRENCH, par, Comptes Rendus, Vol CCXLII,  
1956, pp 238-240.  
AEC UCRL-Trans-10006

Sci-Chem  
May 67

326,253

Diffusion of Hydrogen, by G. Darbois.  
FRENCH, par. Compt Rend., Vol 242, 1956, pp 365-368.  
\*NRS/NBS TT 71-55218  
Available NBS Only

July 71

On the way to Particle Discrimination in the  
Particle Photographic Method, by Pierre Guer,  
Henri Kraus, 18 pp.

FRENCH, per, Comptes Rendus / Academie des Sciences,  
Vol CXXIII, 1956, pp 486-489.

ABC USRL-Fr-283 (L)

Sci - Phys

J'n 63

218.842

Met 74



On the Observation of the Kirkendall Effect in  
the Diffusion of U-Zr in the Gamma-Phase, by  
Y. Adda. 4 pp.  
FRENCH, par, Comptes Rendus Acad Sci, Vol 242,  
1956, pp 1115-1118.  
\*MSS TR 70-57571

Sci-Chem  
Jul 70

On the Diffusion of Ag in C&S, by M. Bancie-Grillot.  
FRENCH, per, Comptes Rend., Vol 242, 1956, pp 1159-61.  
\*NFB/NBS TR 71-55215  
Available NBS Only

July 71

Application of Autoradiography to Alpha-Trajectories  
in the Analysis of U-Zr Alloys and the Study of  
U-Zr Diffusion, by H. Faraggi. 4 pp.

FRIEDICH, per, Comptes Rendus Acad Sci, Vol 242,  
1956, pp 1316-1319.

\*NBS TR 70-57570

Sci-Chem  
Jul 70

62-3274

Cartier, Pierre  
ISOLATION AND IDENTIFICATION OF PYROPIRIS-  
MATES IN BONE TISSUE. II. By Beetha P. Kinova.  
12 Jan 59. Sp. 3 refs. 12 Jan 59. Sp. 3 refs.  
TVA 3721.  
Order from GDS of S. I. A. \$1.10

- I. Cartier, P.
- II. TVA-3721
- III. Tennessee Valley Authority,  
Wilson Dam, Ala.
- IV. 60-23504 canceled

Trans. of Academie des Sciences, Paris. [Comptes Rendus] (Paris) 1956, v. 243, p. 987-989 (pub. by Gauthier-Villars et Cie, Paris).

DESCRIPTIONS: \*Electrophoresis. \*Identification. \*Bone. \*Calcification. \*Electrophoresis.

(Biological Sciences - Biochemistry, TT, v. 9, no. 3)

10-31-62  
Office of Technical Services

ON THE BIOGEOGRAPHY OF NEOPHOMA SPECIES AND OF  
RELATED SPECIES IN THE BENTHIC ZONE OF THE  
OCEAN, by A. I. Ponomareva, N. V. Sokolovskaya.

Биологический журнал, Сопредельные виды  
и родственные виды рода Neophoma, Vol. 11, No. 4, 1966,  
pp. 869-872.

Dept of Int  
US Fish and Wildlife Serv  
Gulf Fishery Investigations  
Library, Galveston. No 5

Stk - Neophoma  
Muz 99

83697

Formation of Hydrated Calcium Chloroaluminates and  
Their Effect on the Structure of Hardened Cement,  
by N. N. Borb-Gerbina, Yu. A. Savvina, V. S.  
Zhar'ina. USSR.

FRANCE, par, Comptes Rendus, Vol CL, No 3, 1956,  
pp 659-662.

DSIR 33316/OT

Sol - Min/Int; 48mm  
Mar 59

83,256

Angiotensin and Acute Renal Damage Produced by  
Harms, Fatted Blood or Erythrocytes Hemolysed in  
Vitro by Distilled Water, by G. Barac, 6 pp.

MUSENILL, par, Comptes Rendus des Seances Societe de  
Biologie et de ses Filiales, Vol CLII, No 6,  
1958, pp 1030-1034.

SIA 59-15491

Sci - Med  
Dec 59  
Vol 2, No 4

102,856

Action of Various <sup>24</sup>Substances on the Production of  
Pseudo-pregnancy in Rats, by A. F. Foye, 6 pp.

PREMIER, per, Comptes Rendus des Seances Societe  
de Biologie et de ses Filiales, Vol CLII, 1958,  
pp 1086-1088.

SLA 59-15409

Sci - Med  
Doc 59  
Vol 2, No 4

102,851



The Production of Steel by Electrolysis  
Under the Silicate Arc With a Molten Iron  
Cathode, by H. Dodero, R. Mayoud,  
FRANCE, per. Comptes Rend., Vol 242, Jan. 4,  
1956, pp 124-126.  
BISI 4000

Sci-2000  
Aug 66

308,769

On Orbital Electron-Beams, by J.  
Coute, J. L. Delcroix.

FRANCOIS, per, Comptes Rendus, Vol CCXLII,  
No 2, 1956, pp 236-238.

OSRO on 4/1/95

Rel. - Electron  
Apr 68

190,346

V  
Orientation of Stars (Rosettes) of the  $\beta'$  Phase  
in  $\beta$ -Brass, by Edmund Menzocchi, Adrienne R.  
Weil.

FRENCH, par. Comptes Rendus, Vol CCXLII, 1956,  
pp 254-256.

Navy Tr 1334/REL 558

Scientific - Minerals/Metals; Physics

33,984

Apr 56 CTS/dax

Structure of Ferrimagnetic Ferrites of Rare Earths,  
by Paulin Bortaut, Francis Porrant, 6 pp.

FRANCE, Paris, Comptes Rendus, Vol CCXLII, No 3,  
1956, pp 332-334,

SIA 59-15223

Sci  
Nov 59  
Vol 8, No 3

101,546

On the  $\gamma$  to Particle Discrimination in the  
Particle Photographic Method, by Pierre Guer,  
Henri Braun, 10 pp.

FRENCH, *ibid.*, Comptes Rendus Academie des Sciences,  
Vol. CCXLIII, 1956, pp 486-489.

ABC-602L-Tr-283 (L)

Sci. - Phys

Jan 63

List 74

A New Method for the Micrographic Examination of Uranium by the Formation of Epitaxial Layers of Oxide, by A. Nobillard, J. Durand, P. Lacombe, 3 pp.

RESEARCH, via per, Comptes Rendus, Vol. CCXLII, 1976, pp 508-510.

ABC Tr 8994

52,448

52A-572011

Doc - Physics; Chemistry  
Doc 57

On the Dilatometric Behaviour of Pure  
Iron, by F. Lehr.  
PREMIER, par, Comptes Rend., No 242,  
Jan 30, 1956, pp 632-635.  
BISI 4748

Sci-1114M  
May 66

299,787

Study of the Absorption and Reflection Spectra  
of Certain Semi-Conductors in Thin Layers, in  
the Visible and Near Ultraviolet, at the  
Temperature of Liquid Nitrogen, by S. Nikitina,  
R. Bekas.  
FRENCH, per, Comptes Rendus, Vol CCXLII, 1956,  
pp 1001-1005.  
AEC UCRL-Trans-10005

Sci-Phys

May 67

6

326,252



On the Existence of a Plastic Deformation  
in Iron in the Course of the  $\alpha$ - $\gamma$  Trans-  
formation, by P. Lehr.  
FRENCH, per, Comptes Rend., Vol 242,  
27 Feb 1956, pp 1172-1175.  
DISI 4747

WE-France  
Sci/ISM  
Apr 66

299,457

Autoradiographic Evidence for the Preferred Self-Diffusion of Fe in the Grain Boundaries of the Alpha-Phase, by C. Leymonie, 3 pp. FRENCH, per, C.R. Acad. Sci., 242, 1956, pp. 1175-1177.  
\*NBS TT 70-57629

Sci/matter  
Jul 70

Action of Reserpine on the Genital System of Adult  
Female Rats, by H. Tuchmann, L. Mercier, 3 pp.

FINNICH, per, Comptes Rendus, Vol CCXLII, Feb 1956,  
pp 1233-1235.

S.L.A. Tr 1054/1956

Sol - Medicine

39,267

Behavior of Electrodes in a Molten Salts  
Medium, by Roberto Piontelli.

FHENG1, per, Comptes Rendus, No 242, 1956,  
pp 1301-1303.

Dept of Interior  
TN7 B57 No 687

Sci-~~XXXXXX~~/M

Oct 63

241, 451

Observation of Uranium With a Field-Emission  
Microscope, by M. Sternberg.

FRANCK, with per, Comptes Rendus, Vol. <sup>CCXLII</sup> 1976, pp 1307-  
1309.

AMC Tr 2995

5-2, 450

Sci - Chemistry  
Sep 57

Method of Observing Uranium Under the Photoemission  
Electron Microscope, by F. L. Huguenin, M. Gausit,  
3 pp.

RESEARCH, via per, Comptes Rendus, Vol CXXLII, 1956,  
pp 1309-1311.

ABO Tr 2990

52,445

Sci. - Chemistry  
Rep 57

SLA 57 297

Fluorescent L. Spectrum of Plutonium, by Yvette  
Gansbold, Iona Manescu, 4 pp.

FRANCK, per, Comptes Rendus, Vol CCXLII, 1956,  
pp 1433-1436.

AEC Tr-4200

Sci - Phys  
10 Nov 60  
List 45

131, 413

The Absorption and Reflection Spectra of CuI  
and CuBr at low Temperatures, by S. Nikitine,  
R. Weiss, et al.  
FRENCH, Proc. Comptes Rendus Acad. Sci., Vol 242,  
1956, pp 1588-1950. 9232762  
AHC UCRL-tr-10,004

Sci/Nuclear Phy  
Jun 66

302,482



Effect of Reserpine on the Testis and Genital  
Tract of the Rat, by H. Tschmann-Duplessis,  
3 pp.

FRANCE, *Comptes Rendus*, Vol CCKLII, 19  
Mar 1956, pp 1551-1553.

SLA Tr 57-1854

Sci

Jul 58

67,837

A New Method of Polarisation of Atomic Nuclei, by  
A. Abragam, 4 pp.

RENNER, JER, Comptes Rendus, Vol CCLXII, No 13,  
Mar 1956, pp 1720-1722.

SIA Tr 57-1069

Sci - Nuclear Physics

52,258

Sep 57/CHE

The Sulphides and Polysulphides of the Rare Earth  
Series, by M. Ficon, M. Patrie.

FRENCH, par, Comptes Rendus, Acad Sciences, Paris,  
Vol CCXLIII, 26 Nov 1956, pp 1769-1772.

\*81A A-128

Sci - Chem  
Jun 63

Néel, Louis.

MAGNETISM: INTERPRETATION OF MAGNETIC PROPERTIES OF DYSPROSIUM AND ERBIUM (Magnétisme: Interprétation des Propriétés Magnétiques du Dysprosium et de l'Erbium). [1961] [15]p. (foreign text included) 12 refs.

Order from SLA \$1.60

61-2088

Trans. of (Académie des Sciences, Paris) Comptes Rendus (France) 1961, v. 242, 4 Apr, p. 1824-1828 (pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: \*Dysprosium, \*Erbium, Rare earth elements, Magnetic properties, Temperature.

It is shown that the magnetic properties, particularly of dysprosium and erbium, at low temperature are probably due to a transition from a ferromagnetic to an anti-ferro-magnetic state under the influence of the (Physics - Magnetism, TT, v. 7, no. 1) (over)

61-2088

I. Néel, L.

II. Title: Interpretation ...

Office of Technical Services

Observation of an Eclipse of the Crab Nebula,  
by Andre Hiechoot, Blum, Jacques Baile, 4 p.

FRENCH, PAR, Academie des Sciences, Comptes Rendus,  
1956, Vol CCXLII, No 15, pp 1849-1852.

SLA 59-20312

Sci  
Mar 60  
Vol II, No 11

109,503

Preparation of Metallic Plutonium on a Gram Scale, by  
F. Amelin, F. Paugeras, E. Grison, 4 pp.

FRANCE, par, Compt Rend, Vol CCXLII, 1956, pp 1996-  
1999.

SLA 58-798

Sci

95,092

Aug 1958

Diffusion of Na-22, K-42, Cs-137, in  
Single Crystals of KCl, by H.J. Arnikar,  
4 pp.

FRENCH, par, C.R. Acad. Sci. 242, 1956,  
pp. 2132-2135.

\*NBS TR 70-57633

Sci/chem  
Jul 70

Influence of Vacancy Concentration on  
the Diffusion Coefficient in Alpha-  
Brass, by A. Aodary, 3 pp.  
FRENCH, per, C.R. Acad. Sci. 242, 1956  
pp. 2140-2142.  
\*NBS TR 70-57632

Sci/phys  
Jul 70



Oxygenated Derivatives of Tertiary Tetra-  
Amines. Chemical and Pharmacological  
Study, by R. Hazard.

FRENCH, par, Comptes Rendus, Vol CCXLII,  
1956, pp 2299-2301.

CARD

Sci - Chem

189,537

Mar 62

The Influence of the Surface Conditions on Electrical Discharges in a Vacuum, by L. de Broglie, 3 pp.

FRENCH, par., Comptes Rendus, Vol CCXLII, 1956, pp 2308, 2309.

SILA 57-2849

Sci

Aug 58

71,181

Magnetism; Influence of Alkaline and Alkaline-Earth Ions on the Initial Permeability of Manganese-~~III~~ Ferrites, by Charles Guillaud, Bogdan Loghi, Gerard Villers, 6 p.

FRENCH, publ., Comptes Rendus Acad des Sci, 1956, Vol Vol CXXLII, No 19, pp 2312-2315.

SLA 91-20602

Sci  
MAR 60  
Vol 12, No 112

109,247

A Replica Method for Optical Micrography and Its  
Application to Non-destructive Testing, by Effenterre,  
et al. UNCLASSIFIED

FRENCH, per, Comptes Rendus Acad Sci, Vol CCXLII,  
1956, pp 2344-2357.

Co-op Tr Scheme  
Tr 873

Sci - Phys  
Apr 58

62,601

Utilization of the Resonance of Electronic Spins  
to Make an Oscillator or an Amplifier, by  
Jean Combrinon, Arnold Honig, Charles H. Townes,  
6 pp.

FRANCE, per, Comptes Rendus, Vol CCXLII,  
No 20, 1956, pp 2451-2453.

Dept of Commerce  
Patent Office 51,456  
Sci Lib (Gift)

Sci - Physics, electromagnetism  
Aug 57

An Analogy Between Ion Source Operation and  
Proton at High Frequencies, by F. Bertoin, A.  
Pozwalaki, 4 pp.

FRONCHI, per, Comptes Rendus, Vol CXXII, 1956,  
pp 2517-2519.

ABS UCRL-Trans-575(L)

195,536

Sci - Phys  
9 Jan 61  
List 16

Gulliard, Ch. and Paulus, M.  
INITIAL PERMEABILITY AND GRAIN SIZE OF THE  
MANGANESE-ZINC FERRITES. 7p 3refs.  
Order from SLA #1.10

TT-64-16952

Trans. of [Academie des Sciences, Paris] Compt[en]  
Rendus] (France) 1956, v. 242 [no. 21] p. 2525-2528.  
(pub. by Gauthier-Villars et Cie., Paris).

(Physics--Magnetism, TT, v. 12, no. 5)

TT-64-16952

I. Gulliard, C.  
II. Paulus, M.

Office of Technical Services

<sup>S</sup>  
Description of a Balance for Measuring Magnetizations  
from 1.4°K to Room Temperature, by R. Conte, 5 pp.

FRENCH, per, Comptes Rendus, Vol CCXLII, May 1956,  
pp 2528-2531.

SLA Tr 57-1066.

52,360

Sci - Electricity, Physics

Sep 57