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NIH 2-51-61

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Jean-Marie Villanot, Alain Provost,  
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SLA 63-14099

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62-10537

Flusquillec, Jacques, Azou, Pierre, and Bastien,  
Paul.

THE INFLUENCE OF CHARGING TIMES AND  
STORAGE AT ROOM TEMPERATURE ON THE  
HYDROGEN EMBRITTLEMENT OF STEELS. [1961]

[4 p. 4 refs]

Order from SLA \$1.10

62-10537

Trans. of Academie des Sciences [Paris]. Comptes  
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DESCRIPTORS: \*Steel. \*Hydrogen embrittlement.  
Mechanical properties, Machining. Electrolytic  
plating.

The steel tested had a carbon content of 0.08%. The  
capacity for deformation was lowered by the presence  
of hydrogen. Generally speaking, the reduction in  
area value decreases with an increase in charging  
time. Two anomalies exist, however, at maximum  
(Metallurgy - Ferrous Metals, TT, v. 7, no. 11 (over))

I. Flusquillec, J.  
II. Azou, P.  
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Navy 2462/IBRL 7

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Collective Pitch in the Case of Descending  
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Lardiere, Jacques Valensi, 5 pp.

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Study of the Self-Diffusion of U in the  
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EXTRACTED FROM HUMAN LEUKEMIC GANGLIA, BY J. HAREL,  
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LUMINESCENCE OF THE OXYGEN RED LINE  
(AND THE NOCTURNAL ATMOSPHERIC LUMINES-  
CENCE OF THE 6300 Å RED LINE OF OXYGEN  
(Observations de la Luminescence Atmosphérique  
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Luminescence Nocturne Atmosphérique de la Raie  
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I. Barbier, D.  
II. Title: Nocturnal. . .

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DESCRIPTORS: \*Night sky, \*Sky brightness, \*Lumi-  
nescence, Measurement, Diurnal variations,  
Recombination reactions, Twilight, Intensity, Spectro-  
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JPRS CSO: 23050

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Liquids in the Infrared Between 14 and 30  $\mu$ , ~~3000~~  
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OF THE NIGHT SKY IN THE NEAR INFRARED  
(Physique de l'Atmosphère. Sur les Intensités Des  
Bandes d'Émission du Ciel Nocturne dans le Proche  
Infrarouge). [1951][5]p. 7 refs.  
Order from SLA 81.10

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DESCRIPTORS: \*Night sky, \*Infrared spectroscopy,  
Infrared radiation, Intensity, Instrumentation,  
Climate factors.

Recordings of the spectrum of the night sky in the  
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grating followed by a photomultiplier, permitted the  
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SLA 59-20406

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Thin Sections of Uranium, by Adrien Saulnier,  
Paul Miran, 4 pp.

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Sci - Phys  
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Corrosion in Water of Monocrystalline Aluminum  
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Lefebvre, 3 pp.

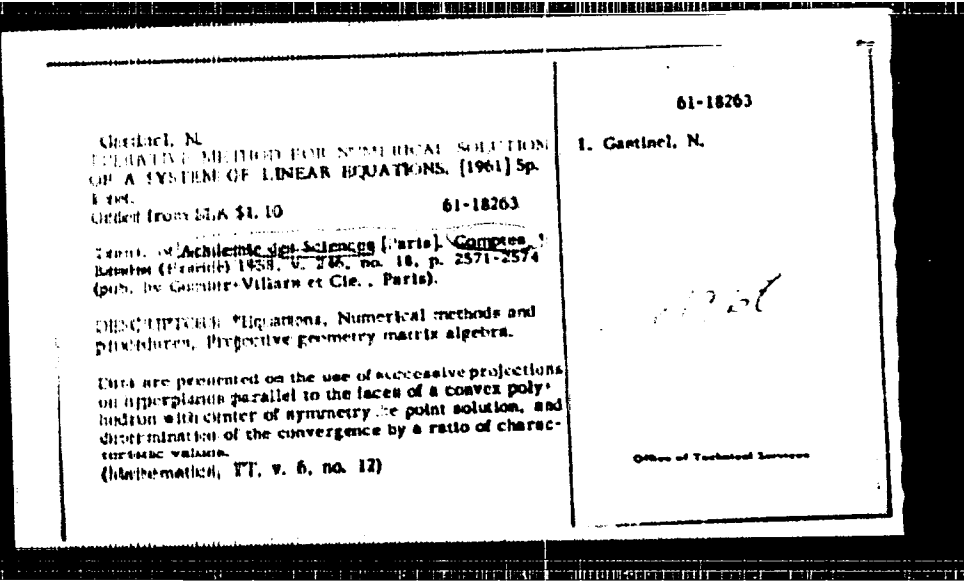
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Measurement of the Intergranular Self-diffusion  
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Specific Precipitation of the Rabies Virus  
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5 pp.

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On the Formation of Sound Waves During Traction  
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SLA 59-20105

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Sci. - Chem

Jul 62

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Measurement Of Elastic Constants, by C. Susse.

FRENCH, par, Academie Des Sciences, Paris, Vol  
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Document, O. Henschel, 1958-

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SIA 59-10959

Sci - Chem  
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Vol 2, No 12

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61-10460

Donnet, Jean-Baptiste and Henrich, Gaston  
 FREE RADICAL CHARACTERISTICS OF CARBON  
 BLACK. INHIBITION OF RADICAL POLYMERIZA-  
 TION (Sur le Caractère Radicalaire du Noir de  
 Carbone - Inhibition de la Polymerisation Radi-  
 calaire) [1960] [5p. 3 refs. 61-10460  
 Order from SCLA m\$1.80, pb\$1.80

- 1. Carbon black--Chemical reactions
- 2. Free radicals--Polymerization
- I. Donnet, J
- II. Henrich, G

Trans. of Academie des Sciences, Paris [Comptes Rendus (Paris)] 1958, v. 246, 16 June, p. 3341-3341

148,545

Inhibiting action of carbon black on radical polymerization is demonstrated in a series of polymerizations of styrene and of acrylic nitrile in the presence of carbon black. Examples show clearly that the acceptor centers of carbon black neutralize free radicals as soon as they are formed, thus stopping the radical polymerization of these vinyl monomers just as it begins. Results are tabulated for thermal polymerization of styrene in benzene solution, for emulsion polymerization of styrene in the presence of (Chemistry--Organic, TT, v. 5, no. 7) (over)

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Variation in Specific Mass of Uranium After Cold-  
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JAEC Tr-2110

Sci - Min/Metals  
May 62

Development Of the Lipidic Coating Of Apples (White  
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FRENCH, Mer, Comptes Rendus de L'Academie des Sciences,  
Vol CCXLI, 1958, pp 3368-3370.

CSIRO Tr 4418

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Electrical Conductivity of Sulphur Under the  
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Jacqueline Thouvenin, 5 pp.

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Sci - Electronics

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The Influence of Charging Time and Storage at  
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Apr 61

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Rousset, August; Locht, Robert, and Dubarry, Jean-Louis.  
MOLECULAR PHOSPHORESCENCE AT THE TEMPERATURE OF LIQUID NITROGEN: VIBRATION STRUCTURE OF SEVERAL AROMATIC AND HETEROCYCLIC DERIVATIVES. (1963) [2] p. 7 refs.  
Order from SLA \$1.10 63-14493

I. Rousset, A.  
II. Locht, R.  
III. Dubarry, J.-L.  
IV. Title: Vibration ...

Trans. of [Académie des Sciences, Paris]. Comptes Rendus (Paris) 1963, v. 248, no. 1, p. 54-57. (pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: \*Low temperature research, \*Phosphorescence, \*Spectrographic analysis, Benzene derivatives, Heterocyclic compounds, \*Naphthalenes, \*Phenanthrenes, \*Quinones, \*Anthracenes, \*Diphenyl, \*Fluorine, \*Carbazoles, \*Indoles, \*Benzophenones, \*Quinones, Anthrones, \*Pyrenes, Molecular properties.  
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Aspect of the Dynamics of Organic Matter in  
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J. -J. Brillat, 3 pp.

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ATS-41130F

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ATB 538-FJ

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Aug 60

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No 248, 1950, pp 602-603.  
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Jul 65

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CONSTITUTION OF THE CHEMICAL STRUCTURE  
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GADOLINIUM LANTHANUM) TYPE  $Th_3P_4$  WITH A  
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\* 72 74 4235 87B

DESCRIPTORS: \*Selenides, \*Gadolinium compounds,  
\*Lanthanum compounds, \*Crystal structure, \*Samarium  
compounds, Dissolution, \*Rare earth compounds,  
\*Neodymium compounds.

Preparations of  $M_2Se_3$  selenides and their properties  
are presented. All of these selenides crystallize in the  
type  $Th_3P_4$  cubic system and exist inside a large area  
of homogeneity. (Association of these compounds in II  
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