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SLA TT-65-10221

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by J. Garaud, R. Amanrich, 47 pp.

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26 chemistry (physical); translations 27 07D

28 MN-4 29 P NSA

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ATS-881531
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NTC 71-16491-07D

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[52]p. 31 refs.
Order from SLA \$5.60 62-10096

Trans. of Journ[al] de Chimie Phys[ique] (France)
1960, v. 57, no. 3, p. 228-247.

DESCRIPTORS: *Silicon, Surface properties, *Im-
purities, Boron, Phosphorus, Gallium, Aluminum,
Diffusion, Thermodynamics.

(Chemistry--Physical, TT, v. 7, no. 4)

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I. Feuillade, G.
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Office of Technical Services

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Order from ATS \$9.75 ATS-18N56F

Trans. of [Journal de] Chimie] Physique] (France)
1960, v. 57, p. 524-527.

DESCRIPTORS: *Light, Scattering, Distribution,
Solutions.

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

62-12057

I. Benoit, H.
II. Wippler, C.
III. ATS-18N56F
IV. Associated Technical
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Orange, N. J.

ATS-714-FJ

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A New Device for Producing Ultra-High Vacua, by
M. J. PAXON, H. J. Bottazzi, S. J. Teichner.

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SLA 61-20004

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*U.K. Atomic Energy Authority
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Reaction Kinetics of Different Types of Carbon,
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II. Marette, S.

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DESCRIPTORS: *Silicon, Photoengraving, Reaction
kinetics, Electrochemistry, Crystal structure, Cor-
rosion, Dislocations, *Semiconductors, Surface
properties.

This study undertakes to generalize the theory of
staining and etching of the surface irregularities in
silicon and to develop therefrom the different aspects
(chemical or physical attacks on the surfaces) into a
general scheme, which can be directly interpreted by
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1961, pp 754-758.
NTC 71-13875-11I

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ABC-2r-5868

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AEC-ORNL-Tr-214

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Aug 63

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63-14741

Chiche, Pierre.
THERMODYNAMICS OF ADSORPTION, PT. 1. [1963]
50p. 17 refs.
Order from SLA \$4.60 63-14741

1. Chiche, P.

Trans. of Journal de Chimie Physique (France) 1962,
v. 59, no. 4, p. 375-393.

DESCRIPTORS: *Adsorption, *Thermodynamics,
Surface properties, Heat, Phase studies, Mathematical
analysis.

The form taken by the fundamental equations of thermo-
dynamics in the presence of adsorption phenomena is
indicated, according to whether or not the properties of
the layer adsorbed itself are to be revealed. The heats
released by adsorption under different operating con-
ditions are then studied, showing in each instance the
role played by surface phenomena proper. (Author)
(Physics -- Thermodynamics, TT, v. 10, no. 5)

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Chiche, Pierre.
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48p. 20 refs.
Order from SLA \$4.60 63-14742

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Trans. of Journal de Chimie Physique (France) 1962,
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DESCRIPTORS: *Adsorption, *Thermodynamics,
Surface properties, Heat, Mathematical analysis,
Entropy, Monomolecular films.

Some typical patterns proposed for representing adsorption phenomena in mono- or multimolecular layer are studied, according to whether the molecules are mobile or fixed on the surface of the adsorbent. Methods of calculation from experimental data, fundamental quantities, heats and entropies, in particular, are then indicated. (Author) (See also 63-14741)
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NTC-70-12748-07E

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THEORY AND EXPERIMENTAL METHODS.
[1963] 20p.
Order from ATS \$24.75 ATS-40Q69F

I. Dauphin, J.
II. Title: General ...
III. ATS-40Q69F
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Trans. of ~~Journal de~~ Chim[ie] Phys[ique] (France)
1962, v. 59, no. 11/12, p. 1196-1206.

DESCRIPTORS: *Hydrocarbons, *Radiochemistry,
Theory.

(Chemistry--Organic, TT, v. 10, no. 5)

Office of Technical Services

Dauphin, J.
THE RADIOCHEMICAL BEHAVIOR OF CERTAIN
SATURATED HYDROCARBONS. PT. 2: CYCLO-
ALKANES. [1963] 27p.
Order from ATS \$29.50 ATS-41Q69F

Trans. of [Journal de] Chim[ie] Phys[ique] (France)
1962, v. 59, no. 11/12, p. 1207-1222.

DESCRIPTORS: *Hydrocarbons, *Radiochemistry,
*Alkanes.

(See also ATS-40Q69F)

(Chemistry--Organic, TT, v. 10, no. 5)

63-17456

- I. Title: Cycloalkanes
- I. Dauphin, J.
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- IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

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SATURATED HYDROCARBONS. PT. 3: ALKANES.
(1963) 17p.
Order from ATS \$18.75 ATS-42Q69F

Trans. of [Journal de] Chim[ie] Phys[ique] (France)
1962, v. 59, no. 11/12, p. 1223-1232.

DESCRIPTORS: *Hydrocarbons, *Radiochemistry,
*Alkanes.

(See also ATS-41Q69F)

I. Dauphin, J.
II. Title: Alkanes
III. ATS-42Q69F
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Office of Technical Services

(Chemistry--Organic, TT, v. 10, no. 5)

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AEC UCRL-tr-10049

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G. Rogett, et al, 26 pp.

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Application of Nuclear Magnetic Resonance to the
Study of Water of Constitution of Silica Gels,
by Jacques Fraissard, Ionel Solomon, et al, 17 pp.
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Radiolysis of Absorbed Carbon Dioxide in the
Radiolysis of CO₂, by Roger Coekelbergs,
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pp 891-898. 9252866
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Some Problems Arising in the Study and
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27p.

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SLA TR-64-30711

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AEC NP-tr-1201

Sci/Chemistry
Jun 66

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Radiolytic Reduction of Potassium ~~IO₃~~ Iodate in
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12 pp.
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Sci-Phys

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Yields of H_2O_2 From the Radiolysis of Aqueous Solutions
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1964, pp 577-583. 9226045
AEC-NP-Tr-118x0

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(FDD 19292)

Separation of Isotopes by the Method of Electrolytic Migration of Ions, by A. Klemm, 15 pp.

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CIA/FDD/U-5375

EEur - Germany

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Scientific - Chemistry, separation of isotopes
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Comp

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2 Dec 67

Action of Ultraviolet upon sensitive photographic
papers by H. Finer and J. Courcier, pp 261-265.

French, par, Journal de Chimie Chimique-Chimie
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Special type: Translator's draft plus one,
P. 6, 20 Dec 67

A copy of previous translation is incl., but
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FRANCE, per, Journal de Chimie Physique et
de Physicochimie Biologique, Vol LIV,
1956, pp 222-225.
*NASA

Sci-Electron & Elec Engr
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Radiolysis of Aqueous Solutions of Plutonium,
by M. Pages.

FRENCH, per, ^J Ann. de Chimie Physique et de
Physicochimie Biologique, Vol LIX, No 1,
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*UKAEA
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Tr No 18

Sci - Phys
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Study of Organosilico Compounds,
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Sci - Phys
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Determination of the Thermodynamic Forces
Accurately in the Permanent State, the Diffusion
Isotherm for Carbon in Alpha-Iron, by
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1964, pp 453-454.

*CFSTI TT 70-58219

Sci-Chem
June 70

Trench Foot, by Victor Raymond,
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pp 319-393.
*Dept of Navy/NMC

Sci - B/M
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Stricker, P. and Orban, F.
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THROMBOSIS, THE ARTERITES, GANGRENE, AND
ON THE COMPARATIVE VALUE OF ARTERIAL
LIGATIONS AND ARTERIECTOMIES. [1961] 7p
(figs omitted) 4refs
Order from SLA \$1.10

TT-61-14494

Trans. of Journal de Chirurgie (France) 1930, v. 36,
p. 697-711.

DESCRIPTORS: *Arteries, Obstruction (Physiology).
*Thrombosis, *Arteriolonecrosis, Therapy, Surgery.

(Biological Sciences--Pathology, TT, v. 11, no. 3)

TT-61-14494

1. Title: Gangrene
- I. Stricker, P.
- II. Orban, F.

Office of Technical Services

1969 VHS hb #264-501 70-20608 <*>
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Detector to Trace Analysis of Inorganic Gases,
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GERMAN, per, J. Chromatog, Vol 19, 1955,
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U. S. GOVERNMENT USE ONLY
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R-1022-N

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JPRS/UA Army Missile Command
Redstone Arsenal, Alabama

Oct 62

<p>Böhm, Z. AN ANALOGUE INTEGRATOR FOR THE GAS- CHROMATOGRAPHING APPARATUS (Ein Analoginte- grator zur Gaschromatographischen Apparatur) tr. by D. A. Sinclair. 1960, 11p. 12 refs. Technical trans. 908. Order from NRCC \$1.00</p>	<p>61-12620</p>
<p>NRCC C-3462</p>	<p>1. Chromatographic analysis-- Equipment 2. Gases--Chromatographic analysis I. Böhm, Z. II. NRCC TT-908 III. NRCC C-3462 IV. National Research Council of Canada</p>
<p>Trans. of [Journal of] Chromatography (Netherlands) 1960, v. 3, Pt. 3, p. 263-272.</p>	
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<p>(Chemistry--Analytical, TT, v. 5, no. 8)</p>	<p>Office of Technical Services</p>

Some Separations of Radioisotopes Using Ethyl-
Ethylenediaminetetraacetic Acid, by G. Duyckaerts,
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AEC AAEC/Trans-6

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Thin-Layer Chromatography Report No. VI.
Trace Analysis of Sugar Mixtures on
Kieselguhr G Layers, by E. Stahl,
U. Kaltenbach.
GERMANY, per, J. Chromatog., Vol V,
1961, pp 351-355.
NASA TT F-10,290

U. S. GOVERNMENT USE ONLY
Sci- 3811
Nov 66

312,300

<p>Mecke, R. and Zirker, K. CALCULATION OF AREA FACTORS FOR GAS CHROMATOGRAPHY WITH THE HELP OF THE KINETIC THEORY OF GASES. [1963] 1Sp (figs omitted) Order from SLA \$1.60 TT-63-20932</p> <p>Trans. of <u>Journal of Chromatography</u> (Netherlands) 1962, v. 7, p. 1-12</p> <p>(Chemist: --- Analytical, TT, v. 12, no. 2)</p>	<p>TT-63-20932</p> <p>I. Mecke, R. II. Zirker, K.</p> <p>Office of Technical Services</p>
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NASA TT F-10,258

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Selective and Specific Ion Exchangers Based on
Hydrazide, by E. Blasius
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WTC 71-16427-07D

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AEC-Tr-6138

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Sci - Fuels & Propul
Apr 65

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Sci - Medicine
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