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Sci-Engr
Nov 65

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SWISS; Ber, Schweizer Archive für Angew Wiss
und Technik, 1937, Vol III, No 6, pp 147-157.

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AISC Tr 61

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Vol VIII, No 1, Jan 1942, pp 1-15.

SLA Tr 57-2309

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Aug 58

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Negative Resistances, by W. Amrein, 60 pp.

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152-157.

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Sci - Electricity

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Non-Destructive Material Testing, by E. Brandenberger,
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ING. [1960] 8p. (refs. 25 figs. 2 tables omitted).
Order from SLA \$1.10 60-18964

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schaft und Technik] 1944 [v. 10, no. 7] p. 218-226.

DESCRIPTORS: *Spot welding, *Aluminum, Aluminura
alloys, Spot welds.

(Metallurgy, TT, v. 8, no. 6)

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Kasson, M. A.
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Order from SLA at \$1.80, plus \$1.80 60-18695

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148 p 714

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- 1. Iron ores - Melting
- 2. Electric furnaces - Performance
- 3. Title: Low shaft furnace
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Filters of Exceptional Band Widths Obtained by
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Sci - Electricity

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Weisz, A.
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MACHINE. [1962] 6p. (figs. tables formulae omitted).
Order from SLA SL 10 65-10048

Trans. of Schweizer Archiv für Angewandte Wissen-
schaft und Technik] 1946 [v. 12, no. 3] p. 96-100.

DESCRIPTORS: *Internal combustion engines, Machines,
Vibration, Flywheels, Special functions, Oscillation.

(Machinery--Engines, TT, v. 10, no. 1)

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Order from SLA \$1.60

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Trans. of Schweizer Arch[iv für] Angew[andte]
Wissenschaft u[nd] Technik 1946, v. 12, [no. 6]
p. 187-194.

DESCRIPTORS: *Silicon compounds, Dioxides, *Alu-
minum compounds, Oxides, *Carbon, Phase studies,
Thermodynamics, Dissociation, Pressure, Temper-
ature, *Aluminum, Production.

The P-T diagrams of the systems $\text{SiO}_2 + \text{C}$ and
 $\text{Al}_2\text{O}_3 + \text{C}$ were completed and corrected. For the
system $\text{SiO}_2 + \text{C}$, it is shown that up to 2200° the for-
mation of silicon occurs via the two intermediate steps,
 $\text{Si}_2\text{C}_2\text{O}$ and SiC. For the system $\text{Al}_2\text{O}_3 + \text{C}$, the
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pp 213-219.
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FSTC-HT-23-792-68

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Snoek, J. L.
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FLUENCE OF MECHANICAL AND MAGNETIC
FORCES IN MATERIALS CONTAINING IRON.
18 Nov 47, 9p. (figt. formulae omitted).
Order from SLA \$1.10 62-20359

I. Snoek, J. L.

Trans. of Schweizer Archiv für Angewandte Wissen-
schaft und Technik 1947, v. 13, no. 1, p. 9-14.

DESCRIPTORS: *Ferromagnetic materials, Ferrites,
Relaxation time, *Iron, Magnetic properties,
Elasticity.

(Physics--Magnetism, TT, v. 9, no. 12)

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NUMERICAL CALCULATION OF WORK HARDEN-
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TING (CONCLUSION). [1962] 1Op. (figs. refs.
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Order from SLA \$1.10

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schaft und Technik] 1947, v. 13, no. 9, p. 268-275.

DESCRIPTORS: Fluid mechanics, Solids, Stresses,
*Distortion, *Elasticity, Number theory, Equations,
Hardening, Lattices, Fatigue (mechanics), Particles,
Load distribution, Test methods.

(Mechanics, TT, v. 8, no. 10)

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The Sonograph Elements and Principles, by J. Dreyfus,
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pp 353-362

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Sci - Electronics
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R. Brun, 55 pp.

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NIH Tr 5-25

Sci - Med
May 58

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Schlaepfer, P. and Balowicki, A.
CORROSION BY MOTOR FUELS. 1 Mar 50, 17p.
(figs. formulae; tables refs. omitted).
Order from SLA \$1.60 62-2058

Trans. of Schweizer Archiv für Angewandte Wissen-
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DESCRIPTORS: *Metals, *Corrosion, Fuel oil, Con-
tainers, Storage, Corrosion research, *Fuels.

(Metallurgy--Corrosion, IT, v. 9, no. 10)

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II. Balowicki, A.

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<p>Trans. of Schweizer Archiv [für Angewandte Wissen- schaft und Technik] 1949, v. 15, no. 9, p. 273-278.</p>	<p>183511</p>
<p>DESCRIPTORS: *Cements, Chemical analysis, Chemical properties.</p>	<p>Office of Technical Services</p>
<p>(Materials, TT, v. 6, no. 9)</p>	

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Schlöpfer, P., Audykowski, T., and Bukowicki, A.
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ORGANIC LIQUIDS AND IODOMETRIC DETERMINA-
TION OF ABSORBED OXYGEN. [1963] 20p. 15 refs.
Order from SLA \$1.60 63-14655

I. Schlöpfer, P.
II. Audykowski, T.
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p. 299-307.

DESCRIPTORS: *Oxygen, *Absorption, Organic
materials, Liquids, *Volumetric analysis, *Iodine,
Determination, Ethanol, Benzenes, *Alcohols,
Solubility, Surface tension,

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possibility and accuracy of iodometric determination of
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ments showed that this method may be applied to
monovalent alcohols, acetone, acetic acid esters, ether,
(Chemistry--Physical, TT, v. 10, no. 5) (over)

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The Rate of Solution of Oxygen in Different
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Sci - Physics
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Sci - Engineering

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Full translation.

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SLA 57-2-518
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Scientific - Fuels

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Dielectrics Containing $BaTiO_3$. Their Composition
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Soyck, 24 pp.

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Sci - Electricity

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The Strength of Metal Joints Made With Synthetic
Resins, by K. Frey

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Determination of Surface Tension of Lead
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S.L.A. Tr 57-162

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Allyl Polymine Ethers and Their Uses in Air-Drying
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Widmer, 82 pp.

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Sci - Minerals/Metals, ~~Chemistry~~

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A Diffusion Hygrometer With Direct Reading, by
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Sci - Rngr

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Sci - Engineering, Chemistry, Fuels

Stress and Stability Conditions During Expansion
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Sci - Minerals/Metals/ Chemistry

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Sci - Engr
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Sci - Chemistry
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RATUS, PT. II. [12p] (14 figs omitted)
Order from SLA \$1.60 TT-64-16469

I. Brunner, M.
II. Pedrini, R.

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Wiss[enschaft] u[nd] Technik 1955, v. 21, no. 8,
p. 251-257.

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Sci - Engr
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Electrolytic Refining With Liquid Electrodes, by
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SLA 59-17622

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of Cooling and Antifreeze Agents for Automobiles, by
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Oct 57

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The Coating of Metals With Synthetic Materials,
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182.

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Sci - Engr
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Heat-Resisting Hard Iron-Chrome-Nickel Facings,
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Metallurgical and Metallographical Problems with
12-15% Chromium Cast Steel, by E. Zingg,
Th. Geiger.
GERMANY, per, Schweizer Archiv, No 3, 1957,
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Metal Corrosion Caused by Hygroscopic Solids, by
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Clamping Devices for A Tensile-Test Machine With
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Rohner, F.
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DETERMINATION OF GASES IN METALS,
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DESCRIPTORS: *Metals, *Gases, *Hydrogen,
*Aluminium, Metallurgical analysis, Quantitative
analysis, Test methods.

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I. Rohner, F.

Office of Technical Services

Stability and Miscibility of Fuel Oils, by T. N.
B. Marshall

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GERMAN, per, Schweizer Archiv, Nov 1959, pp 415-418.

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Sci - Engr

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Preparation Technique in Electron Microscopy, by
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Sci - Phys

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BISI 2044

SCI - MIN/MET

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<p>Gotze, W. PROPERTIES AND PROBLEMS OF VERSAMID-EPOXY AND VERSAMID-ISOCYANATE SYSTEMS. 1960, 7000 words. Order from TTIS \$52.00 TTIS-2249</p> <p>Trans. of <u>Schweizer Archiv für Angewandte Wissen-</u> <u>schaft und Technik</u>, 1960, v. 26, p. 304-311.</p> <p style="text-align: center;"><i>146,966</i></p> <p>(Materials--Paints, TT, v. 5, no. 5)</p>	<p style="text-align: center;">61-12505</p> <p>1. Plastic paints--Properties 2. Title: Versamid-epoxy paints I. Gotze, W. II. TTIS-2249 III. Translation and Technical Information Services (Gt. Brit.)</p> <p style="text-align: center;">Office of Technical Services</p>
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Stoll, P. and Schmid, R.
NEW KNOWLEDGE ON THE PROPERTIES OF
MINERAL OILS WITH REFERENCE TO THE CARE
OF TRANSFORMER OILS. [1961] 35p.
Order from ATS \$44.50 ATS-95N56G

Trans. of Schweiz[er] Arch[iv für] Angew[andte]
Wiss[enschaft] und Tech[nik] 1960, v. 26, Dec,
p. 455-477.

DESCRIPTORS: *Mineral oils, Transformers, Oils,
Lubrication.

(Materials--Lubricants, TT, v. 7, no. 6)

62-12375

- I. Stoll, P.
- II. Schmid, R.
- III. ATS-95N56G
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS/12375

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OBSERVATIONS CONCERNING THE EFFECT OF
DETERGENTS IN MOTOR OILS. [1962] 10p.
Order from ATS \$15.75 ATS-07P59G

Trans. of Schweiz[er] Arch[iv für] Angew[andte] Wiss-
[enschaft] u[nd] Tech[nik] 1961, v. 27, no. 3,
p. 108-114.

DESCRIPTORS: *Detergents. *Fuel oils, Oils.

(Materials--Fuels, TT, v. 7, no. 11)

- I. West, H. L.
- II. ATS-07P59G
- III. Associated Technical
Services, Inc., East
Orange, N. J.

172/740-53

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Long Term Behaviour of Heat-Resistant Highly Alloyed Chromium Steels, by W. A. Stauffer, A. Keller.

GERMAN, per, Schweizer Archiv, Vol XXVII, 1961, pp 121-125.

CEGB 2278

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R-897-N

A nonstationary method for measuring the Thermal
Conductivity of Liquids and Gases, by W. Straumann.

GERMAN, per, Schweizer Archiv Fuer Angewante Wissen-
schaft und Technik, Vol XXVII, July 1961, pp 290-306.

*JPRS/US Army Ord.Missile Command
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THE INFLUENCE OF ALLOYING ELEMENTS AND HEAT
TREATMENT ON THE LONG-TERM STRENGTH OF FERRITIC,
HEAT-RESISTANT STEEL, BY H. G. BRANDT.

GERMAN, PER, SCHWEIZER ARCHIV, VOL XXVII, AUG 1961,
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BISI 2929

SCI - M/M

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EFFECT OF SOLVENT COMPOSITION ON THE
VISCOSITY OF ALKYD-MELAMINE PAINTS. 1961.
400 words.
Order from TTIS \$3.00 TTIS-2341

Trans. of Schweizer Archiv [für Angewandte
Wissenschaft und Technik] 1961, v. 27, p. 388-389.

DESCRIPTORS: *Paints, Viscosity, *Organic solvents,
Alkyd resins, Melamine.

(Materials--Paints, TT, v. 7, no. 4)

62-12327

- I. Zwicky, H.
- II. TTIS-2341
- III. Translation and Technical
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(Gt. Brit.)

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Examination of a Deformed Patented Steel by the
Electron Microscope, by G. Kruger, O. Pöhler.

GERMAN, per, Schweizer Archiv, Vol. XXVII, Nov 1961,
pp 461-463.

BISI 2962

Sci - Engr

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Present International State of Technical Hardness Testing,
by K. Meyer.
GERMAN, per, Schweizer Archiv fuer Angewandte Wissenschaft
Technik Vol XXVIII. No 1. 1962. pp 7-28.

Accurate Determination of Gases in Metals by Gas
Chromatography, by H. Feichtinger, et al.

GERMAN, per, Schweizer Archiv, Vol XXVIII, No 3,
1962, pp 125, 126.

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Sci - Phys

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Review of Alloying Technology of Heat-Treatable Steels,
by M. Kronels.
GERMAN, per, Schweizer Archiv, Vol ■ XXVIII, No 8, 1962,

Problems and Results Obtained With the Vacuum
Treatment of Plain Steels, by K. Eretzmann.

GERMAN, per, Schweizer Archiv, Vol XXVIII, No 11,
1962, pp 473-476.

HB 5849

Sci - Engr, M/M
Mar 63

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Effect of Melting Under Reduced Pressure on Some
Properties of Steel, by K. Eungardt.

GERMAN, per, Schweizer Archiv, Vol XXVIII, No 12,
1962, pp 485-490.

HB 5864

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Osterle, K. [M].
ON THE PROBLEM OF DETERMINING THE THIXO-
TROPIC PROPERTIES OF PAINTS. Aug 63.
Order from TTIS \$70.00 TTIS NS 127

Trans. of Schweizer Archiv für Angewandte
Wissenschaft [und Technik] 1963, v. 39 [no. 3]
p. 91-102.

DESCRIPTORS: *Paints, *Colloids, Physical chemistry,
Gels, Physical properties.

(Materials--Paints, TT, v. 10, no. 10)

- I. Title: Thixotropic paints
- I. Osterle, K. M.
- II. TTIS NS-127
- III. Translation and
Technical Information
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Metallurgical Aspects of Modern Developments in
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GERMAN, per, Schweizer Archiv, Vol ~~XXXXXXXX~~, XXIX,
No 12, 1963, pp 413-427.
BISI 3689

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Sci - M/M
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SWEDISH, per, Schweizer Archiv fuer Ange-
wandte Wissenschaft und Technik, Vol 30,
No 3, 1964, pp 66-74.
SIA TT-66-10335

Sci-Materials
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A Rapid Method for Routine Determination of Gas
Contents - Especially That of Hydrogen - in
Steel Melts, by H. Feichtinger, et al.
GERMAN, per, Schweiz. Arch. Vol 30, Nov 1964,
pp 345-354.
BISI 4547

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