

Schenck, Hermann and Spieker, Walter.
THE DISTRIBUTION OF COPPER AND TIN BE-
TWEEN MOLTEN IRON AND LEAD AND THE EF-
FECT OF OTHER ELEMENTS ON IT. [1960] [23]p.
20 refs.

Order from SLA \$2.60

62-14198

Trans. of Archiv f[ur] d[as] Eisenhüttenwesen (West
Germany) 1959, v. 30, no. 11, p. 641-648.

DESCRIPTORS: *Copper, *Tin, Separation, *Iron,
*Lead, Activity coefficient, Liquid metals, Distribu-
tion, Alloys, Temperature.

The requirements for the removal of copper and tin
from liquid iron are discussed. The equilibrium rela-
tions, with the assistance of the characteristic dis-
tribution figures L_{Cu} and L_{Sn} and their alteration by
additional elements, permitted the coefficients of ac-
(Metallurgy, TT, v. 8, no. 6) (over)

62-14198

I. Schenck, H.
II. Spieker, W.

Office of Technical Services

Diffusion et Permeabilite de l'Hydrogene a
Travers le fer pur et l'Acier dans le Domaine
des Temperatures Elevees, by H. Schenck, H.
Taxhet, 32 pp.

GERMAN to FRENCH, per, Archiv Eisenhüttenwesen,
Vol XXX, No 11, 1959, pp 661-671. 9069364

CEA A-1068
Reverse Translation

Sci
Dec 62

Rate of Oxygen Removal in the Reduction of Iron
Ores by a Mixture of Carbon Monoxide, Hydrogen
and Nitrogen, by E. Schurmann, et al.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXXI,
No 9, 1960, pp 509-519.

HB 4921

Sci - Chem

Apr 61

147,485

The Effect of the Degree of Stabilization
on the Precipitation Processes in Austenitic
Chromium-Nickel and Chromium-Nickel-Molybdenum
Steels Containing Niobium, by K. Bungardt, et al.
UNCL

GERMAN, per, Arch Eisenhuettenwesen, Jul 1959,
pp 429-434.

DISI 1438

(14 10s.0d.)

Sci - Min/Met
Dec 59

103,070

The Polygonization and Recrystallization Behaviour of Pure Iron With a View to the Production of Single Crystals, by A. Kochendorfer.

GERMAN, per, Archiv fuer das Eisenhuettenwesen,
Vol XXX, No 7, 1959, pp 441-445.

CSIRO

Sci - Min/Met
AUG 62

207,362

Equilibria of Carbon and Oxygen in Liquid
Iron and the Effect of Low Silicon Contents
Upon the Equilibria, by E. Schenck, H. H.
Gordon. USCL

GERMAN, per, Arch Eisenhuettenwesen, Aug 1959,
pp 451-460.

BISI 1461
(L5.15s.Cd.)

110,273

Sci - Min/Met
Mar 60

Equilibria Between Iron and Lime-Containing
Phosphate Slags, by G. Trosnel, H. W. Fritze.
UNCL

GERMAN, per, Arch Eisenhuettenwesen, Aug 1959,
pp 461-472.

RISI 1462

(L7)

Sci - Min/Mat
Feb 60

109,420

Development and Application of a Heat Radiation
Measuring Instrument for the Analytical
Evaluation of Temperature Conditions, by U.
Pleger. NBSL

GERMAN, par, Arch Eisenhuettenwesen, Aug 1959,
pp 473-476.

NBSL 1463

(L3 5a.01.)

Sci - Engr
Doc 59

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Fundamental Principles on the Digital Presentation
and Processing of Data With Special References to
Computers, by R. Wartmann.

GERMAN, per, Archiv Eisenhüttenwesen, Aug 1959,
pp 513-518.

BISI 1464

Sci - Engr

Aug 60

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Removal of Oxygen and Moisture from Nitrogen, Nitrogen,
and Hydrogen in the Laboratory, by W. Staff, R.
Hoffmann. URSI

GERMAN, rev. Arch. Eisenhuettenwesen, Sep 1959,
pp 539-540.

BISI 1522

(LI 58.08.)

Sol. - Chem
Jan 60

104, 554

Elimination au laboratoire de l'oxygene et de
l'humidite de l'argon, de l'azote et de
l'hydrogene, by W. Pfaff, K. Hoffmann, 6 pp.
GERMAN to FRENCH, per, Arch fuer Eisenhüttenwes,
Vol XXX, No 9, 1959, pp 539-540. 9222335

Reverse Translation
CEA-A-1513

Sci
Jun 64

Contribution to the Reduction Behaviour of
Several Oxides and Oxide Compounds at the
Fractionated Hot Vacuum Extraction in a Carbon
Crucible, by H. Schenck, K. D. Unger. UNCL

GERMAN, per, Arch Eisenhuettwesen, Sep 1959,
pp 549-552.

OTS 62-111123
BISI 1523

(L3)

Sci - Chem
Mar 60

109,411
Review Translation
CEA-A-1380 (9214727)

The Displacement of the Non-Variance Point
Between Iron, Wustite, Magnetite and Oxygen
in the System Iron-Oxygen by Alloying Elements
or Foreign Oxides. Effects on the Behaviour
of Iron Alloys in Scaling, by E. Evans, et al.
USCL

GERMAN, per, Arch Eisenhuettenwesen, No 9, 1959,
pp 553-564.

BISI 1551

(IS.15s.C1.)

110,284

Sci - Min/Mat

The Volatilisation of Iron (II, III) Oxide,
Manganese (II, III) Oxide and Chromium
(II, III) Oxide, by H. von Wartenberg.

GERMAN, per, Archiv Eisenhüttenwesen, Oct
1959, pp 585-587.

BISI 1554

Sci - Chem

Aug 60

124,033

Methods of Operation, and Practical Experiences
in the Automatic Spectrographic Analysis of
Steel and Pig Iron, by P. Hoaller. UGCL

GERMAN, per, Arch Eisenhuettenwesen, No 10, 1959,
pp. 589-593,

BISI 1604

(Lb. 5s.08.)

Sci - Engr; Phys

Mar 60

110,569

Contribution to the Determination of Water
in Metallurgical Slags, by K.H. Obst;
H. Malissa.
GERMAN, per, Archiv fur das Eisenhüttenwesen,
1959, 30, Oct., 601-603.
*BISI 3987

Sci/Met & Mat
Mar 65

Development of a Metallographic Etching Pattern
Taking Into Account the Electrolytically Dissolved
Quantity of Metal, by E. Kunze, E. Morn.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXX,
Oct 1959, pp 613-619.

BISI 1971

Sci - Min/Met

May 61

148,123

Influence of Manganese and Silicon on the Diffusion
of Carbon in Austenite, by W. Steiner, O. Krisement.
GERMAN, per, Archiv fuer Eisenhüttenwesen,
Vol XXX, No 10, 1959, pp 637-640.
BISI 3559

Sci - Chem
Apr 64

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The Distribution of Copper and the Related
Metals Iron and Lead and the Effect of Other
Elements on It, by H. Schenk, W. Fickner. 1959.

CHIMIE, par, Arch. Eisenhüttenwesen, Nov 1959,
pp 641-648.

NICK 1664

(L5.10b.Cd.)

Sci - Min/Mat
Apr 60

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Experience With Direct Reading Spectrographs at
the Iron and Steelworks Laboratory. Fourth Rep
by H. Hilderbrand, W. Diehl.

GRIFFIN, per, Archiv Elektrotechnik, Vol. 38,
Nov 1959, pp 659, 660.

BISI 2254

Sci - Electron

155,932

Jun 61

Diffusion and Passage of Hydrogen in Pure
Iron and Steel at Higher Temperatures, by
Hermann Schenck. GOVERNMENT USE ONLY
GERMAN, per, Arch Eisenh, Vol 30, No 11,
1959, pp 661-671.
NASA TT F-12,120

Sci-Chem
Aug 69

388,718

Ultrasonic Determination of the Size of Defects, by
J. Krautkramer.

GERMAN, per, Archiv Eisenhüttenwesen, Nov 1959,
pp 693-703.

BISI 1566

C 2180

Sci - Phys

SLA-62-16847

Oct 60

A Simple Chlorine Vacuum Separation
Technique, by H. Koch, O. Gausch, ZNS

ZNS, Arch. Hochschule,
Dec 1959, pp 723-730.

Sci - Chem
3891 1635

(15)

114,313

Sci - Chem
Apr 60

Organic Solvents in Flame Spectrometry, by
A. Fueschel, B. Eckhard. UTCL

GERMAN, per, Arch fuer das Eisenhuettenwesen,
No 12, 1959, pp 731-735.

BISK 1636

(L3 10s. 08.)

Sol - Chem; Phys

Mar 60

111,157

The Effect of Small Boron Additions Unalloyed
Steels With 0.1 to 0.4% C, by H.-K. Gorlich,
G. Stein.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXX,
Dec 1959, pp 737-742.

BISI 3240

Sci - M/M
Jul 63

235,711

The Influence of Oxygen Pressure on the Crystallization of Pure Iron, by A. Hannai, H. S. Gygis.

Journal, per, Archiv fuer Mineralogie, Vol. 100, No. 18, 1958, pp. 175-184.

1958 10018

10018

See 61

100 10018

Possibility of Coexistence of Stress Corrosion
and Pitting Corrosion in Mild Steels, by W. Radeker.
UNCL

GERMAN, per, Arch Eisenhuettenwesen, No 12, 1959,
pp 747-750.

BISI 1637

07567-14197

(12.10a.0d.)

Sci - Min/Ket

Mar 60

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The Decarburisation of Tungsten Carbide by
Moist Hydrogen, by H. J. Booss.

GERMAN, par, Archiv für das Eisenhüttenwesen,
No 12, 1959, pp 761-764.

Broken Hill Prop Co Ltd
(ORL/T 303)

Sci - Chem
Dec 61

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Metallurgy of Iron in High Vacuum, by W. A.
Fischer.

GERMAN, per, Archiv fuer das Eisenhuettenwesen,
Vol XXXI, No 1, 1960, pp 1-9.

HB 4792

Sci - Min/Met

Jun 60

118,417

The Sulphur Equilibrium Between Carbon-Saturated
Hot Metal and Lime-Silica Slags, by H. Schenck,
et al.

GERMAN, per, Archiv Eisenhüttenwesen, Jan 1960,
pp 11-17.

Sci - Min/Met

Aug 60

BISI 1641

SLA 62-16899

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Effect of Low Temperatures on the Strength of
Eleven Plain Carbon Steels (Up to 0.12% C) Under
Bi-Axial Stressing, by A. Kirsch. UNCL

GERMAN, per, Arch Eisenhuettenwesen, Jan 1960,
pp 19-24.

075 62-14079
BIBI 1658

(L3.15a.04.)

Sci - Min/Int
May 60

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On the Accuracy of Data Obtained by Vickers
Hardness Tests at Varying Test Conditions, by
A. von den Steinen, W. Schmidt, 31 pp.

GERMAN, per, Archiv fur das Eisenhüttenwesen,
Vol XXXI, No 1, 1960, pp 25-32.

SLA 60-18906

Sci

Apr 61

146,116

Studies of the Quench-Ageing of Mild Steels
From Various Methods of Production, by M.
Nacken, W. Heller.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXXI,
Jan 1960, pp 39-46.

BISI 2053

Sci - Min/Met

158,863

Jun 61

Oxidation of Heat-Resistant Steels: Influence of Alkali Sulphate Deposits When Traces of Sulphur (VI) Oxide are Simultaneously Present in the Furnace Gases, by A. Rahmel.
EUROPEAN, per, Archiv fur das Eisenhüttenwesen,
Vol 31, Jan 1960, pp 59-65.
BISI Trans 1659

OTS 62-16866

Jan 72

Reactions Between Magnesium Oxide and Iron Melts
Under Reduced Pressure, by K. Bretzmann.

GERMAN, per, Archiv fuer Eisenhuttanwesen,
Vol. XXX, 1960, pp 67-81.

XXI,

BISI 2916

Sci - M/H
Feb 63

322,528

<p>Pibger, Ulrich. DETERMINATION OF SURFACE TEMPERATURES BY MEANS OF INFRARED PHOTOGRAPHS (Ermittlung von Oberflächentemperaturen mit Infrarotaufnahmen). [1961] [16]p. (foreign text included) 1 ref. Order from SLA \$1.60</p> <p>Trans. of <u>Archiv für das Eisenhüttenwesen</u> (West Germany) 1960, v. 31, no. 2, p. 87-90.</p> <p>DESCRIPTORS: *Open hearth furnaces, Roofs, Surface temperatures, Determination, *Infrared photography.</p> <p>The manner in which the method of infrared photographs can be usefully applied under operating conditions is described by means of the example of the determination of the temperature field in the roofs of Siemens-Martin furnaces. It permits the determination even of extensive temperature fields by a single operation and allows de- ductions with respect to the wear of furnaces. (Author) (Metallurgy, TT, v. 6, no. 6)</p>	<p>61-10546 63-18426 I. Pibger, U.</p> <p>61-10546 63-18426 (9PP)</p> <p>176506</p> <p>Office of Technical Services</p>
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Rapid Analysis of Ores and Related Materials, by
A. Neuberger, E. Schoffmann, K. Herkendorff.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXXI,
No 2, 1960, pp 91-96.

HB 4801

Sci - Min/Met

Oct 60

Potentiostatic Isolation of Structural
Components in Nickel Alloys, by C. Fischer-
Gensch. UNCL

GERMANY, per, Arch Eisenhuettenwesen,
No 2, 1960, pp 97-102.

SWA 65-16805
BISI 1706

(LA 4.5s.08.)

118,443

Sci - Min/Met
Jun 60

Study of the Strain-Ageing of Mild Steel and of
High-Purity Iron by Age-Hardening and Reversal
Tests, by M. Necken, W. Heller.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXXI
Feb 1960, pp 103-111.

BISI 2054

Sci - Min/Mst

156,892

Jun 61

The Effect of Heating Conditions and Alloy
Composition on the Internal Oxidation of Iron
Alloys, by H. Schenck, E. Schmidtman, H. Muller.

GERMAN, per, Archiv fuer Eisenhuettenwesen, Vol XXXI,
Feb 1960, pp 121-128.

BISI 2675

sci - min/metals

SLA 63-14886

196,168

Sci
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May 62

list 133

The Influence of the Mode of Combination of an
Element on Its Determination by Emissive Spectro-
graphic Analysis, by P. Dickens, A. Bahr.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXXI,
Mar 1960, pp 135-143.

BISI 1806

Sci - Chem

May 61

150,847

The Change in Coercivity During Ageing of Unalloyed
Mild Steels, by M. Nacken, W. Heller.

GERMAN, per, Archiv Eisenhüttenwesen, Mar 1960,
pp 153-160.

BISI 1990

Sci - Min/Met

Feb 61

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Investigations into the Recrystallization of a
Ferritic 27% Cr Steel, by H. Borchers.

GERMAN, per, Arch, ⁱⁿ Eisenhuet, ^{transl.} Vol XXXI, Mar 1960,
pp 177-182.

*BISI 1836

Sci - *Colony, Michigan*

Jun 61

Electrochemical Measurements of the
Passivity of a Steel With 18% CR and
8% Ni, by Alfred Rahmel, Wilhelm Schwenk.

GERMAN, per, Archiv fuer das Eisenhüttenwesen,
Vol XXXI, No 3, 1960, pp 189-193.

*FTD-TT-62-1783

Sci - Min/Met
Dec 1962

Petrographic Factors Affecting the Reducibility
of Iron Ores: An Attempt at Parallelization, by
H. Schenk, A. Königs.

GERMAN, per, Archiv Eisenhüttenwesen, Apr 1960,
pp 201-213.

BISI 1817

Sci - Min/Met

Dec 60

124, 283

Investigations on the Activity of Carbon in
Crystallized Binary and Ternary Iron-Carbon
Alloys, by H. Schenck, H. Kaiser.

GERMAN, per, Archiv Eisenhüttenwesen, Apr 1960,
pp 227-235.

CB/41/1779
BISI 1779

Sci - Chem

Sep 60

124,963

Investigations Into the Recrystallization of an
Austenitic Chromium-Nickel Steel With Special
Stress on Prolonged Heating, by H. Borchers.

GERMAN, per. Arch Eisenhüttenwesen, No 4, 1960,
pp 237-242.

BISI 1768

Sci - M/M

Oct 60

129,134

Oxide Inclusions in Iron-Chromium-Oxygen Melts,
by W. Koch, et al.

GERMAN, per; Archiv Eisenhüttenwesen, May 1960,
pp 279-286.

BISI 1780

Sci - Chem

Sep 60

127,201

Influence of Carbon Content and Experimental
Temperature on the Work Hardening and Specific
Electrical Resistance of Ferritic and Austenitic
Steels During Cold Deformation, by E. Schmidtman,
et al.

GERMAN, per, Archiv fuer Eisenhuettenwesen,
Vol XXXI, May 1960, pp 299-308.

BISI 2335

171, 398

Sci - Min/Metals

Oct 61

Study of the Diffusion Between Iron-Zinc Coatings on
Iron Base Materials, by H. Bablik.

GERMAN, per, Arch Eisenhüttenw, Vol 31, 1960, pp 331-336.

*NTIS/NBS TT 71-53103

Available NBS Only

June 71

Theory of the Course of Pressure in Extended
Industrial Furnaces, by M. Hansen.

GERMAN, per, Archiv Eisenhüttenwesen, Jun 1960,
pp 337-342.

BISI 1932

Sci - Engr

Dec 60

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Determination of Hydrogen in Steel by the Carrier-Gas Method, by K. Abresch, W. Dobner, H. Lemm.

GERMAN, per, Archiv fuer das Eisenhüttenwesen, Vol. XXI, No 6, 1960, pp 351-354.

Sci - Chem

Mar 61

BB 4887

AEC^{Te}-5284 9066980

145,054

Effect of pH Value of Electrolyte Upon Quantity
and Composition of Oxide Inclusions Extracted
From Fully Killed Basic Bessemer Steels, by E.
Piper, H. Hagedorn, M. Frohlich.

GERMAN, per, Archiv fuer das Eisenhuettenwesen,
Vol XXXI, No 6, 1960, pp 355-358.

HB 4888

Sci - Chem

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Feb 61

Electrolytic Etching of Multi-Phase Iron-
Chromium-Nickel Alloys in Caustic Soda, by
H. Luderling,
EUROPEAN, per, Archiv fur das Eisenhüttenwesen,
Vol 31, June 1960, pp 385-391.
BISI Trans 2181

SLA-61-22724

Jan 72

The Attack of Iron-Saturated Zinc Malts Upon
Chromium- and Nickel-Containing Iron, by D.
Horsmann.

GERMAN, per, Archiv Eisenhüttenwesen, Jul 1960,
pp 405-410.

BISI 1905

Sci - Chem

Dec 60

134,171

Influence of Carbon and Oxygen on the Behaviour
of Some Accompanying Elements in Iron Melts
Under High Vacuum, by W. A. Fischer, A.
Hoffmann.

GERMAN, per, Archiv Eisenhüttenwesen, Jul
1960, pp 411-417.

BISI 1906

Sci - Chem

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Jan 61

Examination of Special Forms of Titanium- and
Sulphur-Containing Inclusions in Pig Iron Melts
With High Carbon Contents, by C. Frick
GERMAN, per, Arch. Eisenh., Vol 31, Jul 1960,
pp 419-422
BISI 5571

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C-1 h

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A Method of Investigation Mechanical Damping
Over a Wide Temperature Range, by H. Giel, H.
Fandier.

GERMAN, par, Archiv Elektrotechnik, Jul 1950,
pp 423-425.

BIBI 3507

Sci - Engr

134, 172

Dec 60

Tensile Tests at $+20$ to -180°C on Ductile and
Embriiled Specimens of Chromium-Nickel Steel,
by A. Peitox, G. Altmeyer.

GERMAN, *per*, *Archiv f \ddot{u} sr Eisenh \ddot{u} ttewesen*,
Vol XXXI, Jul 1960, pp 427-432.

BISI 2366

Sci - Phys

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Dec 61

Investigation of Iron Ores by Means of Differential
Thermo-Analysis, by H. Schenck, et al.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXXI,
Aug 1960, pp 451-458.

BISI 1959

Sci - Min/Met

May 61

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Cutting Steel Plates and Strip With Rotary Shears,
by H. J. Granemann.

GERMAN, per, Archiv fuer Eisenhuettenwesen, Vol. XXXI,
Aug 1960, pp 459-470.

BIBL 2173

Sci - Engr

176, 147

Dec 61

Equilibrium of Sulphur Reaction Between Liquid,
Carbon-Saturated Iron and Lime-Silica-Alumina
Slags, by H. Schenck, et al.

GERMAN, per, Archiv Eisenhüttenwesen, Aug 1960,
pp 471, 472.

BISI 1893

Sci - Min/Met

Oct 60

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The Compression of Fracture of Tensile Test
Pieces, by A. Kirsch.

GERMAN, per, Archiv fuer Eisenhüttenwesen,
Vol XXXI, Aug 1960, pp 491-496.

BISI 3491

Sci - Engr
Jan 64

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Dispositifi Pour la Comparaison des Figures
de Diffraction Electronique Entre Elles et
Avec Les Cliches Debye-Scherrer, by H. Kudielka,
H. Rode, 8 pp.

GERMAN to FRENCH, per, ~~Arch Eisenbutten~~,
Vol XXXI, No 8, 1960, pp 503-507. 9068267

CEA A-1191
Reverse Translation

Sci
Nov 62

Uniform Presentation of Results of Impact Tests
on Rails of Varying Section: Conclusions on
Standard Requirements, by W. Janiche, W. Wink.

GERMAN, per, Archiv Eisenhüttenwesen, Sep 1960,
pp 521-530.

BISI 1950

Sci - Engr

Mar 61

141,352

Nucleus Formation and Particle Growth During
the Precipitation of Mixed Crystals, by
O. Krisement.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXXIII?
No 9, 1960, pp 537-548.

CEGB 2212

Sci
~~Min/Met~~
Min/Met
Jan 63

220,875

Effect of Aluminum Nitride on the Analysis
Results From Oxide Inclusions in Fully
Killed Basic Bessemer Steels, by E. Ripper,
H. Hagedorn, M. Frohlich.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXXI,
No 10, 1960, pp 577-582.

BB 5033

Sci - Chem
Oct 61

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Occurrence of Aluminum Nitride in Fully
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E. Zimmermann.

GERMAN, per, Archiv Eisenhütten, Vol XXXI,
No 10, 1960, pp 587-594.

HB 5034

Sci - Chem
Dec 61

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The Use of Polarization Potential Titration in
the Iron and Steelworks Laboratory, by K. Abresch,
E. Buchel.

German

RUSSEAN, per, Archiv fuer Eisenhuettenwesen,
Vol XXXI, No 10, 1950, pp 595-601, 603-605.

BIBI 2471

Sci - Min/Metals

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Jul 62

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Gases in Ferroalloys, by R. Limpach, B. Marincek.

GERMAN, per, Archiv fuer Eisenhuettenwesen, Vol XXXI,
No 11, 1960, pp 639-643.

HB 5076

Sci

Sep 61

170,127

Fuchs, A. and Niebuhr, J.
GAS CONTENTS AND FORM OF GAS COMPOUNDS
IN FERROALLOYS. Sep 61, 2900 words.
Order from HB \$8. 70 HB-5077

Trans. of Archiv [für das] Eisenhüttenwesen (West
Germany) 1960, v. 31, no. 11, p. 645-648.

DESCRIPTORS: *Iron alloys, Metals, *Cases, De-
termination, Fused materials, Oxygen, Hydrogen,
Alloys, Nitrogen compounds, Iron compounds, Chro-
mium, Silicon, Oxides, Inclusions

(Metallurgy, 771, v. 1, no. 12)

61-25582

- I. Fuchs, A.
- II. Niebuhr, J.
- III. HB-5077
- IV. Brucher, Henry,
Altadena, Calif.

Office of Technical Services

Kinetics of Indirect Reduction, by H. Schenck,
H. P. Schulz.

GERMAN, per, Archiv fuer Eisenhüttenwesen,
Vol XXXI, Dec 1960, pp 691-702.

BISI 2635

Sci - Engr

Dec 62

list 158

217,311

Investigation of the Completeness of Estimation
of Sulphur Content on Works Products, Using
Various Combustion Processes, by D. Blazejak-
Ditges.

GERMAN, per, Archiv fuer Eisenhüttenwesen,
Vol XXXI, No 12, 1960, pp 717-722.

BISI 2683

Sci - Chem

196, 209

May 62

list 132

Heller, Wilhelm and Nacken, Matthias.
STUDY OF DEFORMATION AGING SO SOFT UNAL-
LOYED STEEL DURING TENSILE AND DAMPING
TESTING. [1961] [18]p. (10 figs. [tables] refs.
omitted)

Order from SLA ml\$2. 40, pl\$3. 30 61-10364

Trans. of Archiv für das Eisenhüttenwesen (West
Germany) 1960, v. 31, no. 12, p. 723-7.

The course of aging of basic bessemer, converter alloy and electric steels with a dissolved carbon content of up to 0.019% at different temperatures was investigated by tensile testing, and by damping and coercive force determinations. Studies of aged specimens were supplemented by recovery investigations and the results were compared with those of quench aging. The changes of strength characteristics and of coercive force, as a function of the aging time and of aging temperature, are characteristic of quench aging. These changes suggest that carbide formation during (Metallurgy--Periouru Metals, TT, v. 5, no. 11) (over)

61-10364

I. Steel--Aging
I. Heller, W.
II. Nacken, M.

10364

Office of Technical Services

Y Cause and Establishment of the Anomalous
Structure in Steels, by F. H. J. Wiester, R.
Pusch, M. Hoffmann, 11 pp.

GERMAN, per, Archiv fuer der Eisenhüttenw,
Vol XXXI, No 12, 1960, pp 743-745. 9079914

AEC Tr-4637

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Sci
Aug 61

Determination of the Diffusion Coefficients in
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GERMAN, per, Arch Eisenh, No 31, 1960, pp 749-
754.

*NBS TT 70-57417

Sci-Mat

Aug 70

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730063-6

TRAUCHESI, J. and others. Use of hyaluronidase in new
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