

Electrochemical Investigation of Corrosion of Alpha-
Iron Single Crystals in Dilute Acid, by Engell.

GERMAN, per, Arch Eisenhüttenwesen, Jul 1955, pp 393-
404.

Co-op Tr Sch Tr 594
(\$6.10.0)

ATS - 80M4/6
57, 655

Sci = Min/met
Jan 58

Industrial Applications of X-Ray Stress Analysis,
by A. Schaal,

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXVI,
No 8, 1955, pp 445-447.

27,837

Brutcher Tr 3589

Scientific - ~~Physics~~ M/M Oct 55 CTS

Engineering

Electronmicroscope Investigation of the Changes
of Structure of a Chromium-Nickel-Molybdenum-
Steel Under Prolonged Tensile Stress at 500°,
by R. Hever, A. Schrader, 9 pp.

^F
GERMAN, per, Arch Eisenhüttenw, Vol XXVI, 1955,
pp 475-481.

SLA 57-51

Sci - Minerals/Metals
Oct 57

54,050

The Limits of Dephosphorization in Iron by Means of
Lime, by G. Troemel, W. Gelsen. *VECL*

GERMAN, *ver*, Arch Eisenhuettenwesen, Sep 1955,
pp 497-506.

British Iron and Steel Ind *1955*
(no number given)

Sci - Min/Met
Sep 59

98, 417

The Effect of Annealing Conditions on the Core
Loss of Hot Rolled Transformer Sheet, by F. Lihl
and P. Zemann.

GERMAN, per, Arch Eisenhüttenwesen, Sep 1955,
pp 535-540.

*British Iron and
Steel Inst 553*

UKSM
GB 55

Sci

Jul 58

68,047

Determination of Pore Size Distribution in Refractory Materials, by L. Zagar.

GERMAN, per, Archiv f.d. Eisenhüttenwesen, Vol XXVI,
No 9, 1955, pp ~~561, 562.~~

Brutcher Tr 3924
\$2.90

Sci - Physics

Jan 58

57,032

Reactions Between Iron-Manganese Melts and
Molten Aluminates, by W. Celsen, G. Heynert.
GERMAN, per, Arch. Eisenh., Vol 26, 1955,
pp 567-575.
BISI 6069

Sci/Int
Oct 68

363,351

The Quartz-Cristobalite Transformation, by Schwiete,
Stollenwerk.

GERMAN, per, Arch Eisenhüttenwesen, Oct 1955,
pp 583-587.

Co-op Tr Sch Tr 595
(£2.5.0)

Sci = Min/met
Jan 58

57,654

Cold Rollability of Transformer Steels Containing
More than 3.3% Si, by Lihl, Zemsch.

GERMAN, per, Arch Eisenhüttenwesen, Oct 1955,
pp 599-602.

Sci - Min/met
Jan 58

~~Co-op Tr Sch Tr 553~~
British Iron and Steel Inst
57, 714 987

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730061-8

Crystallization of Super-cooled Alloys, by
W. Geller, H. Garbeck.

GERMAN, per, Archiv Eisenhüttenwesen,
Vol XXVI, 1955, pp 611-621.

BCIRA 936

Sci
Jun 63

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730061-8

Yield Strength of Plain Carbon and Low
Alloy Steels During Hot Upsetting Under
a Drop Hammer, by R. Fink et al.
GERMAN, per, Arch. Eisenh., Vol 26, Nov.
1955, pp 655-668.
BISI 4966

Sci-Materials
Oct 66

310,482

63-16856

Zager, Ludwig.
THE BASIS FOR THE DETERMINATION OF THE
PERMEABILITY TO GAS OF REFRACTORY STRUC-
TURAL MATERIALS. [1963] 19p 68refs
Order from SLA \$1.60

63-16856

I. Zager, L.
II. Verein... Bericht-990

Trans. of Archiv für das Eisenhüttenwesen (West
Germany) 1955, v. 26, no. 12 [p. 777-782] [Verein
Deutscher Eisenhüttenleute (West Germany). Bericht-
990].

DESCRIPTORS: *Refractory materials, *Brick,
Permeability, Gases, Air

After a complete evaluation of the literature it was
shown that the idea of specific permeability to gas was
derived from the Hagen-Poiseuille Law. This material
quantity was determined on the basis of an empirical
law of d'Arcy with an apparatus called the permimeter.
The accuracy of this Law of d'Arcy was demonstrated
(Materials--Refractories, TT, v. 10, no. 12) (over)

Office of Technical Services

The Properties of Commercially Hot-Rolled Dynamo
Sheet, by E. Czerlinsky. UNCL

GERMAN, per, Arch Eisenhuettenwesen, Vol XXVII,
No 1, 1956; pp 35-40.

British Iron and Steel Ind
(no number given)

Sci - Min/Net
Sep 59

98,110

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730061-8

Diffusion of C in Fe and the Effect of P on Carbon
Diffusion, by F. Erdmann-Jesnitzer.
GERMAN, per, Arch Eisenh., No 27, 1956, pp 41-43.
*NBS TT 70-57535

Sci-Mat
Aug 70

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730061-8

Recipitation of Carbon From a Supersaturated
Solution of α -Iron During Rolling, by W. Pitsch,
K. Lueke. USSR.

GERMAN, Proc. Acad. Wissenschaften, 1956,
pp 45-54.

Bright Iron and Black Iron
(no number given)

Sci - Chem
Sep 59

SLA TT-64-1852/

78, 337

Determination of Rare Earths in Steel, by H. Krapp.
GERMAN, no per, Archiv Eisenhüttenwesen, Vol XXVII,
No 2, 1956, pp 103-105.

Henry Bratcher
Tr 3864
\$4.80

45,129

Sci - Min/Metals; Geophysics
Mar 1957 CTS/dex

Research Concerning the Isothermic Disintegration
Of Austenite and Martensite In the Case Of Unalloyed
Steels Within a Temperature Range Of 100 to 400
Degrees When Applying the Solution-etching Process
by H.K.Gorlich and H. Goossens.

GERMAN, per, Archiv Fur Das Eisenhüttenwesen,
Vol XXVII, No 2, 1956, pp 119-126.

CSIRO

Oct. 62

On Precipitation Processes in Titanium-Stabilized
Austenitic Nickel-Chromium Steel and Their
Relation to Inter-crystalline Corrosion
Phenomena, by K. Bungardt, G. Lennartz, 19 pp.

GERMAN, per, Arch Eisenhuttew, Vol XXVII,
1956, pp 127-133.

AEC Tr-4209

Sci - Phys
20 Oct 60

129,746

Influence of Oxygen Addition to Blast Upon
Particle Size of Brown Smoke From Basic Converter
and of Waste Gas From Arc Furnace, by R. Meldau,
D. Lanfhuette

GERMAN, no per, Archiv Eisenhuettenwesen,
Vol XXVII, ~~19~~ No 3, 1956, pp 149-152.

Brucher Tr 3770
\$5.80

Sci - Min/Metals
Sep 56 CTS

38,540

Investigations on the Rolling and Recrystallization
Textures of Carbonyl-Iron, by F. Haesener, H. Wolk.
UKCL

GERMAN, per, Arch Eisenhuettenwesen, Mar 1956,
pp 153-160.

British Iron and
Steel Ind 997
(L5 15s.0d.)

SBH 61-18411

86, 817

Sci - Min/Met
May 59

Horstmann, Dietrich.
THE ATTACK OF IRON SATURATED ZINC MELTS
ON ALUMINUM CONTAINING IRON. [1963] [10]p.
7 refs.
Order from SLA \$1.10

63-16845

Trans. of Archiv für das Eisenhüttenwesen (West
Germany) 1956, v. 27, no. 3, p. 161-163 (Max Planck
Institut [für Eisenforschung] (West Germany).
[Communication]-657); [Verein Deutscher Eisen-
hüttenleute (West Germany). Berichte-20].

DESCRIPTORS: *Aluminum, *Iron, *Zinc, Melting,
*Fused materials, Chemical analysis.

The attack of iron saturated zinc melts is strengthened
by means of very slight aluminum content in the iron up
to perhaps 1%. At higher aluminum contents of perhaps
5% the attack is lower than on aluminum free soft iron.
(Metallurgy, TT, v. 10, no. 6)

63-16845

I. Horstmann, D.
II. Max ... Communica-
tion-657
III. Verein ... Berichte-20

Office of Technical Services

Microanalytical Investigation in Ferritic Research.
II. Spectrochemical Investigation of Isolated
Structural Constituents in Steels, by H. Koch,
S. Richard, UNCL

GERMAN, por, Arch. Eisenhuettenwesen, Vol XXVII,
1956, pp 165-176.

British Iron and Steel Ind
(no number given)

Sel - Phys
Sep 59

98, 242

Determination of Hydrogen in Electric Steel,
by K. Keller, K. Burgardt, P. Kammerscheid. UNCL

GERMAN, see, Arch Eisenhüttenwesen, Vol XXVII,
No 4, 1956, pp 235-240.

British Iron and Steel Inst
(no number given)

Sci - Chem
Sep 59

98,092

The Reactive Power of Three-Phase Current
Converters With Unsymmetrical Control, by
G. Moltgen. UNCL

GERMAN, per, Arch Eisenhuettenwesen, May 1956,
pp 272-285.

British Iron and
Steel Ind 1133

Sci - Min/Net
Apr 59

84,267

Quality Predictions on Liquid Cast Iron and Steel Based
on Optical Temperature Measurements, by K. Orth.

GERMAN, no per, Archiv Eisenhüttenwesen, Vol XXVII,
No 5, 1956, pp 289-295.

Brutcher Tr 3803
\$9.75

Sci - Min/Met

Jan 58

57,366

Inhibitory Effect of Aluminium Additions to
Hot-~~DM~~ Dip Galvanizing Baths on the Forma-
tion of Iron-Zinc Alloy Layers, by D.
~~ERIKH~~ Horstmann, 5 pp.

GERMAN, per, Archiv für das Eisenhüttenwesen,
Vol XXVII, No 5, 1956, pp 297-302.

CSIRO

Sci - Min/Met
Nov 61

174, 401

Spectrographic Determination of Phosphorus in Steel;
by H. Krempl, H. Bertram.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXVII, No 5,
pp 303-309. 1956.

Henry Br¹isher
Tr 3761
\$9.80

Sci - Physics
Aug 57

50,972

The Study of Diffusion Processes at Low Temperatures, by B. Ilchner.
GERMAN, per, Arch. Eisenh., 27, 1956, pp 337-342.
*NBS TT 70-57311

Sci-Phys
Aug 70

The Phase Diagram Ferrous Oxide-Aluminum Oxide,
by Wilhelm Anton Fischer, Alfred Hoffman, 14 pp.

GERMAN, per, Archiv fuer Eisenhuettenwesen, Vol XXVII
1956, pp 343-346.

AEC-UCRL-Tr-913(L)

Sci - Nucl Sci

Jul 63

*BEST COPY
NLL Ref: 9022.06(6068)
238,155

Calculations of Output and Cost for Production
Planning of Iron and Steel works, by W. Bauer.
UNCL

GERMAN, par, Arch Eisenhuettenwesen, Vol XXVII,
No 5, 1956, pp 347-354.

British Iron and Steel Ind
(no number UNCL given)

Sci
USSR
Econ
Sep 59

98/162

The Influence of Heat Treatment on the Machinability
of Heat Treated and Case Hardening Steels, by F.
Wever.

GERMAN. per, Arch Eisenhütten, Vol XXVII, No 6, 27 Jun
1956, pp 381-400.

ASLIB-GB95

Sci

Jul 59

92,752

Investigation of the Kinetics of Martensite Formation,
by Heinrich Beisswenger, Erich Scheil, 22 pp.

GERMAN, per, Archiv fuer Eisenhuettenwesen, Vol XXVII,
1956, pp 413-420.

AEC-UCRL-Tr-883(L)

Sci - Nucl Sci

Jul 63

238,153

Electrolytic Siolation of Inter^emetallic Iron Zinc
Compounds and Determination of Solubility of Some
Metals in These Compounds, by D. Horstmann.

GERMAN, per, Arch. Eisenhüttenw, Vol XXVII, No 7,
1956, pp 423-428.

INSIDOC-T2253

Sci

Jul 59

92 756

Tempering Phenomena in Martensite. Part I, by W. Jellihaus.

GERMAN, per, Archiv f. d. Eisenhüttenwesen, Vol XXVII, No 7, 1956, pp 433-440.

Brutcher Tr 3876
\$14.60

Sci - Min/Met, tempering of steel

Jan 58

57,029

Tempering Phenomena in Martensite, Part II, by W. Jellinghaus.

GERMAN, per, Archiv f.d. Eisenhüttenwesen, Vol XXVII,
No 7, 1956, pp 440-448.

Brutcher Tr 3928
\$13.80

Sci - Min/Met

Jan 58

57,384

Simultaneous Determination of Low-Carbon and Nitrogen
Contents in Alpha-Iron by Damping Measurements, by
Wepner.

GERMAN, per, Arch Eisenhüttenwesen, Jul 1956, pp 449-
452.

Co-op Tr Sch Tr 657
(F2.15.0)

Sci - Min/met
Jan 58

57, 711

The Influence of a Few Metalloids of Unalloyed
Structure Steel on Corrosion in Different
Corroding Agents, by F. Eisenstecken and W.
Stinnes.

GERMAN, per, Arch Eisenhuttanwesen, Vol XXVII,
1956, pp 469-474.

INSDOC-T2131

Sci - Aug 58

72,565

Electrochemical Investigations on the
Effect of Roll and Heat Scale on the
Corrosion of Steel and on the Process
of Pickling, by F. Wever.

GERMAN, per, Archiv fuer Das Eisen-
hüttenwesen, Vol ~~XXVII~~, No 7, 1955,
pp 475-486.

CSIRO

Sci - Min/Inst

188,520

Mar 62

The Kinetics of the Formation of Austenite in
Unalloyed and Low-Alloy Hypoeutectoid Steels,
by Adolf Rose, Werner Strassburg, 14 pp.

GERMAN, per, Archiv fur das Eisenhüttenwesen,
Vol XXVII, No 8, 1956, pp 513-520.

SLA 60-18290

Sci

Apr 61

146,147

Decrease in Wuestite at Temperature Below 570° in
Presence of Iron, by W. A. Fischer, et al. UNCL

GERMAN, per, Arch Eisenhuettenwesen, Aug 1956,
pp 521-529.

SLA 60-14360

British Iron and
Steel Ind 1333

Sci - Min/Met
Nov 59

100,487

Testing of Un-Alloyed Steel Subjected to
Polyaxial Tension in Experiments Involving
Internal Pressure, Part I, Appearance of
Fracture in Specimens, by A. Kirsch.

GERMAN, per, Archiv fur das Eisenhüttenwesen,
Vol XXVII, No 8, 1956, pp 531-537.

CSIRO

Sci - Min/Stat
Aug 62

207, 425

Melting of High-Purity Iron by the Carbon
Reduction Process and Notch Toughness vs. Tempera-
ture Curves of This Iron, by W. A. Fischer,
H. Treppschuh, K. H. Köthemann.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXVII,
No 9, 1956, pp 567-572.

Henry Brucher

Tr No 3877

\$11.90

45,118

Sci - Min/Metals; Chemistry
Mar 1957 CIS/dex

Review of Properties and Behavior of Iron Oxide
Aerosols [With Special Reference to Formation and
Precipitation of Brown Fumes], by R. Meldau.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXVIII,
No 11, 1956, ~~XX~~ pp 673-679.

HB 4832

Sci - Min/Met

Oct 60

Determination of the Size Distribution of Pores
in Refractory Materials and Glass Filters, Part
II, by L. Zagar.

GERMAN, per, Archiv Eisenhüttenwesen, Vol 27,
No 10, 1956, pp 657-663.

HB 7486

Sci-Mat

Sep 68

365.585

Thermodynamic Analysis. Part 7: The Dry Ice
Calorimeter, by Celsen, W. and Others.

GERMAN, per, Archiv für Das Eisenhüttenwesen,
Vol XXVII, No 11, 1956, pp 689-694.

C.S.I.R.O.

Sci-Met

May 60

BCIRA 911 115,954

<p>Koch, W. and Malissa, H. HIGHLY ACCURATE DETERMINATION OF CARBON CONTENTS WITH A RECORDING CONDUCTIVITY INSTRUMENT. Rept. no. 233 of the Chemical Com- mittee of the V[erein] D[eutscher] E[isenhüttenleute]. [1957] [9]p. 16 refs. Order from SLA \$1. 10</p>	<p>61-16320</p>
<p>Trans. of Archiv für das Eisenhüttenwesen (West Germany) 1956, v. 27, no. 11, p. 695-699.</p>	<p>I. Koch, W. II. Malissa, H. III. Title: Verein...</p>
<p>DESCRIPTORS: *Carbon, Graphite, Determination, *Cast iron, Conductivity, Microanalysis, Carbon di- oxide, Combustion, Instrumentation</p>	<p>175265</p>
<p><i>CO-op Tr Sch Tr-773 (L2.15.0)</i></p>	

The Formation of a Cubic Nitride in Aluminium-
Containing Steels, by Koch, et al. UNCLASSIFIED

GERMAN, per, Arch Eisenhüttenwesen, Nov 1956,
pp 701-706.

Co-op Tr Scheme
Tr 900

SWA 61-12700

Sci - Min/Met
Jun 58

64,690

Contribution to the Theory of the Scaling
of Pure Iron and of Scaling in General,
by N. G. Schmahl, et al.
GERMAN, per, Arch. Eisenh. Vol 27,
Nov 1956, pp 707-713.
BISI 4377

EE-Germany
Sci/M&M
Jan 66

294,625

Bunghardt, K. and Preisendanz, H.
DAMPING CAPACITY INVESTIGATIONS ON IRON-
CHROMIUM ALLOYS. [1957] [19]p. 28 refs.
Order from SLA \$1.60 61-16319

Trans. of Archiv für das Eisenhüttenwesen (West
Germany) 1956, v. 27, no. 11, p. 715-724.

DESCRIPTORS: *Iron alloys, *Chromium alloys,
*Damping, Stresses.

Co-op Tr Sch Tr-618

61-16319

I. Bunghardt, K.
H. Preisendanz, H.

175268

Office of Technical Services

(Metallurgy--Ferrous Metals, TT, v. 6, no. 3)

Rapid Determination of Iron in Slag (With an
Accuracy of $\pm 2\%$, Within 4 Minutes), by Kopinock.
UNCLASSIFIED

GERMAN, per, Arch Eisenhuettenwesen, No 12,
1956, pp 753-760.

British Iron and
Steel Ind 739
(L5.O.O)

Sci - Min/Ket
Nov 58

76,329

Testing of Non-Alloy Steels Under Multiaxial Stress
by Internal Pressure Experiments II. Strength
and Deformation of Test Pieces, by A. Krisch.

GERMAN, per, Archiv fur das Eisenhüttenwesen,
Vol XXVII, No 12, 1956, pp 767-775.

CSIRO

Sci - Min/Met
Aug 62

207, 426.

AEC ₄(ORNL-tr-2627) ₅INVESTIGATION OF 475°-EM-
BRITTLEMENT OF IRON-CHROME ALLOYS. ₆Bungardt, Kark;
Spyra, Wolfgang. ₁₀Translated for Oak Ridge National Lab.,
Tenn., from ₁₅Arch. Eisenhuettenw.; 27; No. 12, 777-86(1956).
₁₇₂₀25p. ₂₄Dep. NTIS.

₂₆metallurgy; physics (solid-state); translations ₂₇11F, 20L

₂₈MN-25 ₂₉P NSA

Observations on the Change in State that
Leads to the 475° Embrittlement of Iron-
Chromium Alloys, by W. Koster, and von
Kienlin, A., 29 pp.

GERMAN, per, Arch Eisenhüttenw, Vol XXVII,
No 12, Dec 1956, pp 793-799. ~~89 pp.~~

SLA 2534

Sci

Aug 58

69, 880

Uncl *See* (UCRL-Trans-1486(Pt,1)) INCORPORATION EXPERIMENTS IN SYNTHETIC MULLITE. PART I. Gelsdorf, Guenter; Schwiete, H.-E. Translated for Univ. of California Lawrence Berkeley Lab. from Arch. Eisenhuettenw.; 27: No. 12, 807-11(1956).

metallurgy

ND-25 P RC

Unlimited

Thermodynamic Analysis. Part 9: An Air or
Gas Calorimeter, by W. Gelsen.

GERMAN, per, Archiv für Das Eisenhüttenwesen,
Vol XXVIII, 1957, pp 1-6.

C.S.I.R.O.

Sci-Met

May 60

BCIRA 912

115, 956

Application of Complexometric Analysis in a Steelworks
Laboratory, by Wengler, Auesl. UNCLASSIFIED

GERMAN, per, Arch Eisenhüttenwesen, Vol XXVIII, Jan 1957,
pp 7-12.

Co-op Tr Scheme
Tr 792
(L4.0.0)

Sci - Min/Metals
Apr 58

62,621

Influence of Stresses on the Lattice Constant of
Azurite, by E. Scheil, H. Seltzer

GERMAN, for, Arch Eisenhüttenwesen, Vol 1957,
No 1, 1957, pp 49-51

SLP 57-1574

Brutcher Tr 4162
\$4.90

Sci - Min/met
Jul 58

66, 271

Study of Desulphurization in a Basic Bessemer Steel-
works, by Decker.

GERMAN, par, Arch Eisenhüttenwesen, Vol XXVIII, No 2,
1957, pp 57-64.

Co-op Tr Sch Tr 654
Co-op Tr Sch Tr 664

Sci - Engr
Jan 58

57,757

Determination of Small Contents of Aluminum in
Steel, II., by A. Neuberger, E. Schöffmann.

GERMAN, per Archiv Eisenhüttenwesen, Vol XXVIII,
No 2, 1957, pp 65, 66.

Henry Bratcher
Tr 3934
\$2.90

Sci - Min/Metals
Aug 57

50,723

The Influence of Testing Machine Characteristics on the Shape of Stress/Strain Curves With Single or Repeated Drop in Loads, by A. Kochendorfer, W. Wink,
12 pp.

GERMAN, per, Archiv Eisenhütten, Vol XXVIII,
No 2, 1957; pp 67-79.

Broken Hill Proprietary
Co Ltd (CRL/T.368)

Sci - Engg
Nov 61

177/3/6
171/2/6

Investigation of Thermodynamics and Composition of Wustite, by H. Engel.

GERMAN, par, Archiv fuer Das Eisenhuettenwesen,
Vol XXVIII, No 2, 1957, pp 109-115.

CSIRO

Sci - Engr
Jun 62

199, 627

New Process for Sampling Killed and Rimming Steel
for Determination of Oxygen and Hydrogen, by Schenck
et al.

GERMAN, per, Arch Eisenhüttenweec, Vol XXVIII,
Mar 1957, pp 123-125.

Co-op Tr Sch Tr 630
(S1.5.0)

Sci - Min/met
Jan 58

57,703

Solution of Some Problems of Fatigue Strength
by the Stop-Test Method, by Dähler, Schreiber.

GERMAN, per, Arch Eisenhüttenwesen, Vol XXVIII,
Mar 1957, pp 153-156.

Co-op Tr Serv Tr 586
(2.10.0)

Sci - Engr
Nov 57

55, 854

Bockstiegel, Gerhard.

THE INFLUENCE EXERTED BY THE INITIAL AND BY REPRESSING PRESSURES AND THE SINTERING TEMPERATURE ON THE PROPERTIES OF SINTERED PARTS MADE WITH TECHNICAL IRON POWDER (Einfluss des Vor- und Nachpressdruckes sowie der Sintertemperatur auf die Eigenschaften von Sintertellen aus Technischen Eisenpulvern). [1963] 34p. (foreign text included) 16 refs.

Order from SLA \$3.60

63-16877

Trans. of Archiv für das Eisenhüttenwesen (West Germany) 1957, v. 28, no. 3, p. 167-177.

DESCRIPTORS: Powder metals, *Iron, *Powder metallurgy, Sintering, Pressure, Temperature, Density, Tensile properties, Failure (Mechanics), Electrical conductance.

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

(over)

63-16877

I. Bockstiegel, G.

Office of Technical Services

Determination of Current Density-Potential Curves
in Conjunction With Electrolytic Isolation Using
an Electronic Potentiostat, by W. Koch, K. Luderig.

GERMAN, per, Archiv fuer Eisenhuttenswesen,
Vol XXVIII, Apr 1957, pp 201-205.

BISI 2840

Sci - Min/Metals

210,868

Sep 62

List 148

Effect of Final Annealing in a High Vacuum on the
Hysteresis of Hot and Cold Rolled Transformer
Sheets, by Libl.

GERMAN, per, Arch Eisenhüttenwesen, Vol XXVIII,
No 4, 1957, pp 223-226.

Co-op Tr Sch Tr 570

Sci - Min/met
Jan 58

57,718

Calorimetric Investigations on the Kinetics of the
Isothermal Breakdown of Austenite of 12% Manganese
Steel, by G. Collette. UNCL

GERMAN, por, Arch Eisenhuettenwesen, Apr 1957,
pp 229-235.

British Iron and
Steel Ind 1060

Sci - Phys
Jan 59

SLA 61-17457

79,584

<p>Richard, K. and Reiner, Helmut. EXPERIMENTAL INSTALLATIONS AND PROCEDURES Part 1 of Behaviour of Heat-Resist[ant] Steels during Creep Testing [at Temperatures] of 500-700°C. Apr 58 [15]p. 11 refs. Order from SLA \$1.60</p> <p>Trans. of Arch[iv für das] Eisenhüttenwesen (West Germany) 1957, v. 28 [no. 5/6] p. 245-252.</p> <p>DESCRIPTORS: *Heat resistant alloys, *Steel, *Creep, Stresses, Tests, Test methods, Test facilities.</p> <p><i>British Iron + Steel Inst</i></p> <p>(Metallurgy--Ferrous Metals, TT, v: 6, no. 3)</p>	<p>61-16305</p> <p>I. Richard, K. II. Reiner, H. III. Title: Behaviour ...</p> <p>175265</p> <p>Office of Technical Services</p>
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<p>Hempel, M. LONG TIME FATIGUE TESTS ON A FERRITIC AND AN AUSTENITIC STEEL AT 500-650°C. Pt. 7 of Be- haviour of Heat-Resist[ant] Steels [during Creep Test- ing at Temperatures of] 500-700°C. [1958] [11]p. 44 refs. Order from SLA \$1.60</p> <p>Trans. of Archiv für das Eisenhüttenw[esen] (West Germany) 1957, v. 28 [no. 5/6] p. 311-316.</p> <p>DESCRIPTORS: *Heat resistant alloys, *Steel, *Austen- ite, *Creep, Fatigue (Mechanics), Tests, Stresses.</p> <p><i>British Iron + Steel Inst</i></p> <p>(Metallurgy--Ferrous Metals, TT, v. 6, no. 3)</p>	<p>61-16315</p> <p>I. Hempel, M. II. Title: Behaviour...</p> <p>17526.</p> <p>Office of Technical Services</p>
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Behaviour of Heat-Resisting Steels During Creep
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Sci = Engr Min/met
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Order from SLA \$2.60 61-16321

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DESCRIPTORS: *Steel, Creep, Tests, Cast iron,
Austenite, Cast steel, Molybdenum alloys, Iron alloys.

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DESCRIPTORS: *Steel, Creep, Temperature.

Creep curves for 19 ferritic and 19 austenitic steels were evolved by means of tests at two or more temperatures and were compared by the process after F. R. Larson and J. Miller. In most cases agreement was bad so that no success was had in plotting a "master curve" for these steels, neither was it possible by changing the constant 20 in the formula after Miller and Larson by substituting C in the parameter $L = 1.8 \cdot T(C + \lg t)$ where T = temperature in $^{\circ}K$, and t = time in hours, particularly as, depending on the stress selected, another constant would result. On the (Metallurgy--Ferrous Metals, TT, v. 6, no. 3) (over)

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*British Iron & Steel
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Sci - Min/Met
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Sci - Mech
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Order from SLA \$1.10 61-16467

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DESCRIPTORS: *High temperature research, Creep,
*Refractory materials, Tests, *Steel, *Heat resistant
alloys, Belgium, Sweden.

(Metallurgy--Ferrous Metals, TT, v. 6, no. 4)

61-16467

I. Arwidson, S.
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III. Title: Belgian ...
IV. Title: Organization ...

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CTS-239

Office of Technical Services

The Behaviour of Heat-Resisting Steels During
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