

外國最近刊行誌參考記事目次

A. I. M. E. Iron and Steel Division Vol. 172, 1947.

	Page
Factors Which Determine Iron and Steel Making Processes. By H. W. GRAHAM. (Metals Technology, August 1947, T. P. 2217)	15
The Rate of Reduction of Geneva Iron Ore. By J. R. LEWIS. (Metals Technology, June 1947, T. P. 2177). With discussion	27
Experimental Laboratory Study on Effect of Pressure on Carbon Deposition and Rate of Reduction of Iron Oxides in the Blast Furnace Process. By L. F. MAREK, A. BOGROW and G. W. KING. (Metals Technology, June 1947, T. P. 2184). With discussion	46
German Iron Ores Yield Vanadium. By R. P. FISCHER. (Metals Technology, September 1946, T. P. 2070). With discussion	71
Production of Low-sulphur Sponge Iron. By R. C. BUEHL, E. P. SHOUB and J. P. RIOTT. (Metals Technology, October 1946, T. P. 2093). With discussion	76
An Electrochemical Study of the Properties of Molten Slags of the System CaO-SiO ₂ and CaO-Al ₂ O ₃ -SiO ₂ . By LO CHING CHANG and G. DERGE. (Metals Technology, October 1946, T. P. 2101). With discussion	90
The Identification of CaO-MgO Orthosilicate Crystals, Including Merwinite CaO-MgO-SiO ₂ , through the Use of Etched Polished Sections. By R. B. SNOW. (Metals Technology, June 1947, T. P. 2167). With discussion	121
Oxygen in Liquid Open-hearth Steel-Oxygen Content during the Refining Period. By T. E. BROWER and B. M. LARSEN. (Metals Technology, September 1946, T. P. 2035). With discussion	137
Oxygen in Liquid Open-hearth Steel-Effect of Special Additions, Stirring Methods and Tapping. By T. E. BROWER and B. M. LARSEN. (Metals Technology, Oct. 1946, T. P. 2076). With discussion	164
The Mechanism of the Carbon-oxygen Reaction in Steelmaking. By C. E. SIMS. (Metals Technology, January 1947, T. P. 2129). With discussion	176
Oxygen in Basic Electric-furnace Baths. By S. F. URBAN and G. DERGE. (Metals Technology, June 1947, T. P. 2185). With discussion	196
Training of Metallurgical Engineers in the Steel Industry. By E. C. WRIGHT. (Metals Technology, September 1946, T. P. 2051)	212
Effect of Alloys in Steel on Resistance to Tempering. By W. CRAFTS and J. L. LAMONT. (Metals Technology, September 1946, T. P. 2036). With discussion	222
Calculation of Tensile Strength and Yield Point from the Chemical Composition and Cooling Rate. By I. R. KRAMER, P. D. GORSUCH and D. L. NEWHOUSE. (Metals Technology, September 1946, T. P. 2067). With discussion	244
Boron in Certain Alloy Steels. By M. C. UDY and P. C. ROSENTHAL. (Metals Technology, October 1946, T. P. 2085). With discussion	273
The Izod Impact Strength of Heat-treated Alloy Steel. By W. CRAFTS and J. L. LAMONT. (Metals Technology, February 1947, T. P. 2134). With discussion	303
Influence of Plastic Deformation, Combined Stresses, and Low Temperatures on the Breaking Stress of Ferritic Steels. By D. J. MCADAM, JR., G. W. GEIL and R. W. MEBS. (Metals Technology, August 1947, T. P. 2220)	323
The Effect of Prior Tensile Strain on Fracture. By EDWARD SAIBEL (Metals Technology, June 1947, T. P. 2186). With discussion	363
Anomalous Changes in Tensile Properties of Quenched Iron-cobalt (35 per cent Co) Alloys. By J. K. STANLEY. (Metals Technology, Aug. 1947, T. P. 2221). With discussion	374

Stress Rupture of Heat-resisting Alloys as a Rate Process. By E. S. MACHLIN and A. S. NOWICK. (Metals Technology, February 1947, T. P. 2137). With discussion	386
Quantitative Metallography by Point-counting and Lineal Analysis. By R. T. HOWARD and M. COHEN. (Metals Technology, August 1947, T. P. 2215). With discussion	413
The Factorial Experiment In Engineering Research. By M. K. BARNETT. (Metals Technology, June 1947, T. P., 2161).....	427
A New Method for Making Rapid and Accurate Estimates of Grain Size. By F. C. HULL. (Metals Technology, July 1947, T. P. 2160).....	439
Transformation of Austenite in an Aluminum-chromium-molybdenum Steel. By R. A. GRANGE, W. S. HOLT and E. T. TKAC. (Metals Technology, December 1946, T. P. 2109). With discussion.....	452
The Effect of Cobalt on the Rate of Nucleation and the Rate of Growth of Pearlite. By M. F. HAWKES and R. F. MEHL. (Metals Technology, August 1947, T. P. 2211).....	467
Hot Deformation Structures, Veining and Red-shortness Cracks in Iron and Steel. By A. HULTGREN and B. HERRLANDER. (Metals Technology, December 1946, T. P. 1106)	493
Austenite Grain Size in Cast Steels. By M. F. HAWKES. (Metals Technology, June 1947, T. P. 2170). With discussion	510
The Diffusion Rates for Carbon in Austenite. By F. E. HARRIS. (Metals Technology, August 1947, T. P. 2216). With discussion.....	531
Controlled Atmospheres from City Gas for the Heat-treatment of Steels. By IVOR JENKINS. (Metals Technology, January 1947, T. P. 2121). With discussion	556
Some Questions on Interrelated Processes Going on in the Blast Furnace. By B. M. LARSEN (Metals Technology, February 1947, T. P. 2132). With discussion.....	621
Effect of Multiaxial Stresses on Metals See page 663 for contents. Contents Volume 171, Institute of Metals Division, 1947	661

Stahl und Eisen. Heft 14. 6. Juli 1950 70. Jahrgang

	Seite
Forschung im Hüttenwesen, Fortschritt der Technik und der Wissenschaften, Von Dr. Willy Oelsen	577
Entwicklung und Stand der nichtrostenden Walz- und Schmiedestähle. Von Karl Bungardt	582
Entwicklung und Stand des nichtrostenden Stahlgusses. Von Karl Roesch	596

Stahl und Eisen. Heft 15 · 20. Juli 1950 70. Jahrgang

Verfahren und Geräte zum Messen der Ziehholform, Von Werner Lueg.....	633
Betriebliches Glühen und Vergüten von Blankstahl unter besonderer Berücksichtigung der Verzunderung, Entkohlung, Erhitzungsgeschwindigkeit und Sprodigkeit beim Anlassen. Von Walter Hülsbruch.....	641
Über den Einfluss von Bauart und Anschlussleistung elektrisch beheizter Glühöfen auf Durchsatz und Gleichmässigkeit der Festigkeitseigenschaften von Stahstahl. Von Herbert Müller	654
Erfahrungen bei der Umstellung von halbgasgereuerten Verzinkereiöfen und -pfannen auf Ferngasbeheizung. Von Alfred Duphorn	658