

“Tetsu-to-Hagané”

Vol. 57 No 12, Oct., 1971

Contents

Foreword

- Harmony of Theory and Application..... *Etsujiro YAJIMA*...1741

Technical Papers

- Approximate Analyses for Dynamic Characteristics of Blast Furnace Melting Zone by Simplified Model..... *M. HORIO and I. MUCHI*...1743
Deoxidation and Desulfurization of Liquid Steel with Calcium Complex Alloys..... *T. OTOTANI and Y. KATAURA*...1753
On the Reacting Interfacial Area of Fire Point in Basic Oxygen Furnace..... *M. SHIMADA*...1764
On the Mechanical Properties of Rapidly Heated and Quenched Nickel-Chromium-Molybdenum Carburizing Steels *T. NAITO, Y. KIBAYASHI, and T. HIKONE*...1775
Use of X-Ray Microanalyzer for Determining Compound Composition of Small Amount of Powder Sample *M. SASAKI, K. SUZUKI, and Y. UZUKI*...1784

Technical Review

- Hydrogen Embrittlement of Steel (Review of Past and Present Approaches)..... *Yoshio SHIMOKAWA*...1792

Review

- The Change and Problems of Production Control Analysis with Progress of Steelmaking Techniques..... *Shizuya MAEKAWA*...1820

Report

- Industrial Instrument Standard in the Iron and Steel Industries *Toshio SAKURADA*...1831

Special Lecture

- Present and Future Prospect of the Electric Arc Furnace Steel Making..... *Tatsuo HAYASHI*...1837

-
- Abstracts.....1846, Library News.....1857, Notices to Members.....N177,
Proceedings of the Institute.....N183
-

Overseas membership: Annual charges: \$ 10.00 (incl. postage) Initiation fee: \$1.00