

⑨

“Tetsu-to-Hagané”

Vol. 65, No 14, December, 1979

Contents

Foreword

What comes across my mind —A lesson from the oil crisis—.....Y. YAGI...1983

Technical Papers

- Visualization of CO Bubbles Evolution Accompanying the Silica Reduction Reaction by X-ray Fluoroscopy.....K. OGINO and A. NISHIWAKI...1985
 On the Rate of CO Evolution with the Silica Reduction ReactionK. OGINO, A. NISHIWAKI, T. SUZUKI, and S. IKUSHIMA...1995
 Equations for Determining the Optimum Number of tuyers of Blast FurnaceT. SUGISAKI, S. OHTA, T. KITAGAWA, and S. SHIMADA...2005
 The Effect of Oxygen Content in Molten Steel on the Interfacial Tension between Molten Steel and SlagK. OGINO, S. HARA, T. MIWA, and S. KIMOTO...2012
 Thermal Elasto-plastic Stress Analysis of Solidifying Shell in Continuous Casting MoldK. KINOSHITA, T. EMI, and M. KASAI...2022
 Separate Recovery of Iron and Phosphorus from BOF Slags by Using TinS. SHIOMI, M. MAEDA, N. SANO, and Y. MATSUSHITA...2032
 Characteristics of Embrittlement in Steels above 600°CH. G. SUZUKI, S. NISHIMURA, and S. YAMAGUCHI...2038
 Metallurgical Changes due to Welding Conditions and a Long Term Heat-treatment in Austenitic Stainless Steel Weld MetalsM. INAGAKI, T. KASUGAI, K. EI, T. GODAI, and O. TANAKA...2047
 On the Sliding Wear Characteristics of Borided Steel SurfaceY. SHIBUYA, Y. IMAZAWA, K. KUWANA...2057
 Evaluation of the Fatigue Damage of Rolls for Strip Mills below the Surface by X-ray Diffraction MethodH. TAKECHI, K. NAMBA, K. KAWASAKI, and K. FUJIWARA...2067

Commentary

- Current Status of NRIM Creep Data Sheet ProjectS. YOKOI, S. IKEDA, H. ITO, and E. BABA...2076

Special Lecture

- An Appraisal of Wire Rod and Bar Technology Developments and the FutureK. TAKAHASHI...2088

Technical Topic

- Development of Mass Production Process for High Purity Ferritic Stainless SteelS. IWAOKA and N. OHASHI...2097

Letter from Overseas

- The Universities in TaiwanG. MATSUMURA...2104

Report

- Sixth International Vacuum Metallurgy Conference San Diego, California, April 23-27, 1979M. INOUYE...2106

-
- Abstracts.....2108, Notice to Members.....N271,
 Proceedings of the Institute.....N282, Index.....The end of the book
-

Overseas membership: Annual charge: ¥6000 (incl. postage), Initiation fee: ¥600