

"Tetsu-to-Hagané"

Vol. 66 No. 10, September, 1980

Contents

Technical Papers

| | |
|---|--|
| Oxidation of Sulfur in B. F. Slags to Sulfate | K. ITO, H. MORISHITA, N. SANO, G. WATANABE, and Y. MATSUSHITA...1459 |
| Removal of Tellurium out of Molten Iron | Y. WANIBE, K. SAWADA, T. FUJISAWA, and H. SAKAO...1468 |
| Equilibria between Mn Alloy Melts Saturated with C and Various Kinds of Molten Slags and Calculation of the Activities | A. TANAKA...1474 |
| Thermodynamics of $Fe_xO - M_xO_y$ ($M_xO_y = CaO, SiO_2, TiO_2$, and Al_2O_3) Binary Melts in Equilibrium with Solid Iron | S. BAN-YA, A. CHIBA, and A. HIKOSAKA...1484 |
| Rate of Hydrogen Desorption from Liquid Iron Alloys | S. BAN-YA, K. MORI, and Y. TANABE...1494 |
| Model Experiment and Theoretical Analysis on Structure of Inverse V-Segregation..... | S. ASAI, H. INOUE, H. NAKATO, and I. MUCHI...1502 |
| Study on the Descaling of the Steel Slabs before Hot Rolling | T. FUKUTSUKA, T. NAKAMURA, M. SATO, I. KOKUBO, and R. ISHIDA...1512 |
| Effect of Intercritical Rolling by Hot Strip Mill on the Strength and Notch Toughness of Plain Carbon Steel | S. GOHDA, K. WATANABE, Y. HASHIMOTO, H. HIRAYAMA, and S. KIJIMA...1522 |
| A New Tempering Parameter and Its Application to the Integration of Tempering Effects of Continuous Heat Cycle | T. INOUE...1532 |
| Effect of Specimen Shape of the Delayed Failure Strength of High Strength Steel Prestressed by Partial Unloading | K. NAKASA, M. KIDO, and H. TAKEI...1542 |

Technical Report

| | |
|--|--|
| Measurement of Apparent Viscosity of Ferrous and Non-ferrous Alloys in Liquid/solid Coexisting State—Fe-C, Sn-Pb, Al-Cu, and Fe-Cr-Ni-C Alloys | A. SHIBUTANI, K. ARIHARA, and Y. NAKAMURA...1550 |
|--|--|

Commentary

| | |
|---|-------------------|
| Materials Problem in Coal Gasification and Liquefaction Processes | Y. MISHIMA...1557 |
|---|-------------------|

Technical Topic

| | |
|--|--------------------|
| Recent Research Development of Amorphous Alloys in the U.S.A. | S. TAKAYAMA...1565 |
|--|--------------------|

Letters

| | |
|--|-------------------------|
| From My Experience as a Referee..... | T. MURAKAWA...1569 |
| A Canadian Perspective of the 1980 ISIJ Spring Meeting | R. I. L. GUTHRIE...1574 |

Letter from Overseas

| | |
|--------------------------------------|------------------|
| McGill University and Montreal | M. TANAKA...1576 |
|--------------------------------------|------------------|

Report

| | |
|--|------------------|
| Report of the SEAISI Conference in Australia | S. TABATA...1578 |
|--|------------------|

| | |
|--|--|
| Abstracts.....1581, JISTIC News.....1588, Notice to Members.....N211, Proceedings of the Institute.....N222 | |
|--|--|

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

© COPYRIGHT 1980 BY THE IRON AND STEEL INSTITUTE OF JAPAN.
ALL RIGHTS RESERVED.

This publication, or any part thereof, may not be reproduced in any form
without the written permission of the ISIJ.