

105/106 (1988), pp. 201-206.

7. Lugscheider, E., and Boretius, M. 1989. Active brazing of silicon carbide and silicon nitride to steel using a thermal-stress-reducing metallic interlayer. *Proceedings of the International Conference on Joining Ceramics, Glass and Metal*. Bad Nauheim (FRG) pp. 25-33.

8. Wielage, B., and Ashoff, D. 1989. Brazing of ceramic and metal-ceramic compounds.

Proceedings of the International Conference on Joining Ceramics, Glass and Metal. Bad Nauheim (FRG) pp. 385-399.

9. Cadenhead, D. A., and Danielli, J. F. 1981. *Progress in Surface and Membrane Science*. Academic Press, New York, London, Toronto, Sydney, San Francisco, pp. 354-470.

10. Nicholas, M. G. 1986. Bonding ceramic-metal interfaces and joints. *Ceramic Micro-*

structure '86: Role of Interfaces. Plenum Press, New York, p. 349.

11. Barin, I. 1989. Thermochemical data of pure substances. VCH-Verlag, Weinheim.

12. Appen, A. A., and Petzold, A. 1984. Hitzebeständige Korrosions-, Wärme- und verschleiß-schutzschichten. VEBDeutscher Verlag Für Grundstoffindustrie, Leipzig.

WRC Bulletin 343 May 1989

Destructive Examination of PVRC Weld Specimens 202, 203 and 251J

This Bulletin contains three reports:

(1) Destructive Examination of PVRC Specimen 202 Weld Flaws by JPVR
By Y. Saiga

(2) Destructive Examination of PVRC Nozzle Weld Specimen 203 Weld Flaws by JPVR
By Y. Saiga

(3) Destructive Examination of PVRC Specimen 251J Weld Flaws
By S. Yukawa

The sectioning and examination of Specimens 202 and 203 were sponsored by the Nondestructive Examination Committee of the Japan Pressure Vessel Research Council. The destructive examination of Specimen 251J was performed at the General Electric Company in Schenectady, N.Y., under the sponsorship of the Subcommittee on Nondestructive Examination of Pressure Components of the Pressure Vessel Research Committee of the Welding Research Council. The price of WRC Bulletin 343 is \$24.00 per copy, plus \$5.00 for U.S., or \$8.00 for overseas, postage and handling. Orders should be sent with payment to the Welding Research Council, Room 1301, 345 E. 47th St., New York, NY 10017.

WRC Bulletin 356 August 1990

This Bulletin contains three reports involving welding research. The titles describe the contents of the reports.

(1) Finite Element Modeling of a Single-Pass Weld
By C. K. Leung, R. J. Pick and D. H. B. Mok

(2) Finite Element Analysis of Multipass Welds
By C. K. Leung and R. J. Pick

(3) Thermal and Mechanical Simulations of Resistance Spot Welding
By S. D. Sheppard

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