











9. Ito, Y., and Nakanishi, M. 1976. Study on Charpy impact properties of weld metals with submerged arc welding. *The Sumitomo Search* 15: 42.

10. Abson, D. J., Dolby, R. E., and Hart, P. M. H. 1978. The role of nonmetallic inclusions in ferrite nucleation in carbon steel weld metals. Paper 25. *Proc. Int. Conf. on Trend in Steel and Consumables for Welding*, pp. 75-101.

11. Cochrane, R. C., Kirkwood, P. R. 1978. The effect of oxygen on weld metal microstructure. Paper 35. *Proc. Int. Conf. on Trend in Steel and Consumables for Welding*, pp. 103-121.

12. Tuliani, S. S., Boniszewski, T., and Eaton, N. F. 1969. Notch toughness of commercial submerged arc weld metal. *Welding and Metal Fabrication* 37(8): 327-339.

13. Almqvist, G., Polgary, C. S., Rosendhal, C. H., and Valland, G. 1972. Some basic factors controlling the properties of weld metal. *Proc. Conf. on Welding Research Relating to Power Plant, Central Electricity Generating Board*, Leatherhead, p. 204.

14. Eagar, T. W. 1978. Sources of weld metal oxygen contamination during submerged arc welding. *Welding Journal* 57(2): 76-s to 80-s.

15. Zeke, J. 1980. Recommendations for expressing the flux basicity index by means of the oxygen anion ionic fraction. *Zvaranaie* 29(7): 193-204.

16. Datta, I., and Parekh, M. 1989. Filler metal flux basicity determination using the optical basicity index. *Welding Journal* 68(2): 68-s to 74-s.

17. Bauné, E. 1999. High performance

basic flux-cored arc welding consumable development. Master's thesis, Colorado School of Mines.

18. Bauné, E., Bonnet, C., and Liu, S. 1999. Reconsidering the basicity of a FCAW consumable — Part 1: Solidified slag composition of a FCAW consumable as a basicity indicator. *Welding Journal* 79(3) 57-s to 65-s.

## Call for Papers

The Laser Institute of America is seeking submissions for its 19th International Congress on Applications of Lasers and Electro-Optics (ICALEO 2000), October 2-5, Dearborn, Mich.

Materials processing, microfabrication and automotive applications will be the areas of concentration. Topics include, but are not limited to, aerospace applications; flexible manufacturing; advanced laser sources; diode lasers; gas lasers; cutting; drilling; welding; surface modification and texturing; laser optical quality; process modeling and control; applications in electronics, surgical equipment, medical implants, drug delivery systems and display devices; blank welding; laser inspection systems and sensors; and rapid prototyping.

Abstracts are due by March 31. Contact Beth Cohen, (407) 380-1553; FAX: (407) 380-5588; e-mail: [bcohen@laserinstitute.org](mailto:bcohen@laserinstitute.org).