

## *From the Editor's Desk*



In this Issue you will find three technical papers on studies and applications of submerged arc welding. These papers reveal the step by step progress towards improved productivity.

General approach to improved productivity is by increasing the weld metal deposition rate in Kg/hr. In SAW Process, the influence of polarity on the melting rate of wire has been studied in one of the papers using conventional DC power source.

In another approach, the productivity of thick plate welding was improved by Narrow-Gap welding technique where the requirement of weld metal (Kg/unit length) was reduced to save welding time. In this case, the consistent quality of side wall fusion is ensured by using an AC square wave welding power source. The second paper deals with the study of the melting rate of wire with the AC welding current with a view to predict the wire feed speed against the welding parameters.

The third paper deals on the application of the One side welding techniques using Flux-Copper Backing (FCB) and Flux-Asbestos Backing (FAB) systems developed in Japan. Here, the 'turning over' time of large fabricated components for shipbuilding is eliminated to improve productivity.

I am sure you will find this Issue interesting.

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Editor