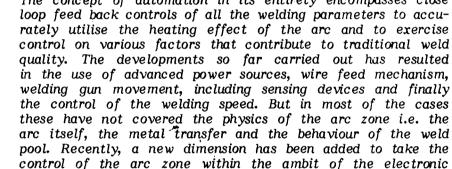
From the Editor's Desk



a paper on Robotics and its terminology which is considered a most significant development towards welding automation. It is known that Welding Robotics can play a big part in substantially increasing welding productivity covering almost all manufacturing industries concerned with welding and metal fabrication. However, automation in welding cannot be fully realised by using a Robot alone which is nothing but a programmable multi-axis welding manipulator.

The concept of automation in its entirety encompasses close

In October 1986 issue of the Indian Welding Journal we published



Keeping the above developments in view we have in the current issue included two papers to present a few examples of different approaches adopted in achieving progressive automation. I am hopeful that these will be of interest to the readers.

and electrical control systems in order to achieve zero defect welds. One of the examples which may be cited is Synergic

Pulsing technique applicable to gas shielded processes.

In this issue you will also find a list of papers on the range of subjects presented in the International Welding Conference 1987 held in New Delhi on 12-14 January, 1987. This Conference was jointly organised by the Welding Research Institute and Tiruchirapalli Branch of the Indian Welding Institute.



Cover Photograph Configuration of Welding Torch Seam Tracker and Arc Oscillator probes

A. C. Lahiri Editor