

going through the manuscript and to Sarvashri O. K. Ajjappa, B. M. Kotraiah and O. Bhavanishankar for extending all facilities in the field for conducting these experiments.

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RECENT TRENDS IN ELECTROCHEMICAL SCIENCE AND TECHNOLOGY

THE Society for Advancement of Electrochemical Science and Technology (SAEST) is a professional scientific body which was founded in 1965 at Karaikudi. It was started with a view to disseminating knowledge on Electrochemical Science and Technology. It publishes two journals, one quarterly Journal titled *Transactions of SAEST* and the other monthly *Current Titles in Electrochemistry*. In addition, the SAEST arranges joint symposia in collaboration with Electrochemical Industries, and these are held at the premises of the sponsoring industries. It also organizes Technical sessions every year on topics of current interest in the field of electrochemical science. To mark the completion of 10 years of its useful service, the Society observed its Decennary Celebrations on 26–27th November 1974 at Karaikudi.

A technical session on 'Recent Trends in Electrochemical Science and Technology' was got up for this occasion and it was primarily devoted to survey the status of Electrochemical Industries and their future prospects with particular reference to India. The recent developments in the field of Electrochemical Technology in India were also included in the scope of the session. The subjects covered were Chlor-alkali, Batteries, Electro-metallurgy, Electro-thermal products, electro-organic and inorganic chemicals, Metal finishing, and Anti-corrosion products. The venue for this seminar was Central Electrochemical Research Institute, Karaikudi, where the headquarters of the SAEST is located.

The symposium was organized under five sessions. In the first session on "Electro-organic and inorganic products", articles on 'Chloralkali Industry in India,

'Titanium Substrate Insoluble Anode for Chlor-alkali Cells', 'Inorganic Electrochemicals in India' and 'Electro-organic Products' were presented. The second session was devoted to 'Electrometallurgy' papers covering Lead, Zinc, Copper and Nickel. The third session on 'Electrothermics and fused salts' presented discussions on a number of electro-thermal products. During the fourth session, an account of the technology, production and growth of the Indian battery industry was presented. During the last session, the present Status and Modern Trends in Phosphating, a prepainting stage in the treatment for metals were discussed.

Three special lectures also formed part of the technical session. Prof. S. Ramaseshan gave a talk on 'Electrochemical Machining' describing the work currently carried out at the National Aeronautical Laboratory, Bangalore.

Prof. S. K. Rangarajan of National Aeronautical Laboratory, Bangalore, in his lecture on 'Perspectives in Fundamental Investigations' presented the basic approaches for evaluating typical problems of technological importance such as dendritic growth of zinc, optimization of cell design in electrochemical reactors. Finally Prof. K. S. G. Doss, the Founder President and former Director of Central Electrochemical Research Institute lectured on the principles of metal corrosion.

The session was attended by well over 230 delegates from all over the country including a number of representatives from industries and Governmental bodies and brought to focus the recent developments, existing problems and future projections relating to electrochemical industries in India.