

EDITORIAL

The 15th AICEME was organised successfully. The topics of discussion were: Professional Ethics and Non-Destructive Testing.

In the present world, decision making in the technological field is based on various information which may be vague, unreliable and sometimes unimportant also. At times, decisions are influenced by persons coming from various backgrounds. The consequences of wrong choice or erroneous decisions may create massive damage in the total system. Many technologists can take decisions in any conditions; at times they are not allowed to carry out the functions they are supposed to do. The above decisions if found to be faulty at the later stages would result in huge wastage of materials (eg. output products) and/or money. It has been established that the moral ethics of the professional man depends not only on his honesty but also on the environment in the society in which he is working.

Regarding Non-Destructive Testing: the term is well known for it is used in determining flaws inside the raw materials or machined components by some specific methods or instruments without actually damaging or destroying the components. Archimedes who was given the problem of finding out the amount of gold in king's crown without destroying the same, could be mentioned as the first scientist known in history to have used this Non-Destructive Technique. The discovery of X-ray was made by Roentgen in 1895 and Coolidge tube in 1913. Industrial X-ray started functioning from 1922.

Today instead of the radiographic method we are using a good number of techniques which can be described as NDT. For detection of flaws and/or defect in general or special industrial products a number of techniques, such as, magnetic particle test, ultrasonic flaw detection, acoustic emission test, industrial radiography, eddy-current test, etc. are practised today. Either a single method as mentioned above or at times more than one technique is followed these days in practical field. The reliability of the non-destructive inspection depends on factors associated with the methods of inspection, equipment used human factors relating to the NDT for physical inspections are also involved in the acceptance/rejection of the samples.

PROCEEDINGS OF THE 15TH AICEME

The 15th All India Conference on Engineering Materials & Equipment was declared open by the President of the Association at 5-30 P.M. on the 22nd February, 1986, at the Bharatiya Bhasa Parisad Auditorium, 36, Shakespeare Sarani, Calcutta-700016. Sri N. R. Banerjea welcomed all the dignitaries, delegates and guests and members of the Association. Then Secretary pointed out the highlights of achievements of the Association for the past year. It was followed by the Inaugural speech by Prof R. K. Chakrabarti, President of the Association.

President Prof. R. K. Chakrabarti then read out the message from Mr. Russi Modi, Chairman & Managing Director of Tata Iron

& Steel Co. Mr. Modi wished the Conference all the best and a grand success. Then the Chief guest Dr. Bimal Sen, Director of Technical Education, Government of West Bengal delivered his speech on the topics on Educational Systems and Professional Ethics.

After that the President of the Association delivered his speech. The short text of the speech is given below :

SPEECH OF THE PRESIDENT

Addressing the Chief Guest and the members and delegates present, the President spoke

about the present condition of the Association and appealed for donation to the Building Fund. He also indicated that a plot of land was purchased in Salt Lake area. The President then read out of his paper on "Challenge of Education".

This was followed by Vote of Thanks to all concerned by the Vice-President Prof. M. Bhattacharyya. Thanks are due to the Sponsor Tata Iron & Steel Co and the participants and guests for coming over to attend the Conference and making it a success. A cultural programme was organised at the end.

Please donate generously to the Association's
Building Fund. All donations to the
Association are exempt from Income
Tax under U/S 80G.

Sd/- M. K. Basak
Secretary.