

Proceedings of the 12th All India Conference on Engineering Materials & Equipment, Calcutta, 12th & 13th February, 1983

Venue : Bharatiya Bhasa Parisad Auditorium,
Calcutta.

Collaborators : Department of Science & Technology,
Govt. of India.
National Test House, Alipur.

The 12th AICEME was formally inaugurated by Dr A. K. Seal, Principal, Bengal Engineering College, Shibpur on 12th February, evening. Er. N. R. Banarjee delivered the welcome address and read the report of the current year. Dr. A. K. Seal reiterated the need for development of testing and standardisation in our factories and laboratories. He also emphasised the need for training and education in various modern technique of testing of materials and equipment in our engineering colleges and institutes. Mr. T. Chatterjee, Managing Director of Durgapur Projects Limited, talked about the problem of our power plants, The lack of proper quality control and nonavailability of standard spare equipments and components at the time of need and non-reliability of functioning of the components are major causes of technical failure of the plants apart from other man made causes. Then the president of the association, Dr. R. K. Chakrabarti delivered his lecture on the topic of brain drain from India. He discussed how the negligence from bureau-

cracy lead to the dissatisfaction of our top level intellectuals. The text of his speech is given elsewhere in subsequent pages. At the end of his lecture, Dr. M. Bhattacharyya, proposed the vote of thanks. (Text of his speech is given below.) Then this was followed by a tea break for half an hour.

Then a short cultural function was held. Sri Rathin Banerjee and Sm. Susmita Bhattacharyya entertained the members and their families by vocal music. This was followed by screening of Satyajit Ray's film 'Sonar Kella'. That marked end of first day's event.

Vote of Thanks by Vice-President :

My job is the most pleasant in that I am on the dias to extend you all hearty thanks on behalf of the Association of Engineers, India and on my personal behalf. Firstly, I thank Sri Pranab Kr. Mukharjee, Minister of Finance, Govt. of India, for making time to write to us inspite of his prebudget tight preoccupations. I thank Sri Proloy Kr. Talukdar, Minister of State, Cottage & Small Scale In-

dustries, Govt. of West Bengal, in absentia who agreed to be the Chief Guest in this Conference in auguration ceremony, but due to exigency at the last moment, has sent us a letter wishing the conference a grand success. In fact the ministers, State or Centre, are really busy this time of the year when budgets in the Centre and the States are shortly to be presented and despite their acceptance of invitation from our organisations, they have to cancell the same in the last hour. There may be an interrogation from the public as to why do the organisers run for this type of uncertainty. The answer to this question is not too far to seek. The News Agencies in our country attach all the importance to whatever the people in the power do so much so that other important spheres are utterly neglected. So my friends, answer to the problem of running for the ministers and the people in power is the cult of the News Agencies. Now back to the subject for which I am here by the microphone. Thanks are due to Dr. A. K. Seal, Principal, Bengal Engineering College, Howrah, who has virtually stolen his time from that due to be devoted to the on going 60th Re-union of Bengal Engineering College to inaugurate the 12th conference, to Sri Tripurari Chatterjee, Managing Director, Durgapur Projects Ltd, Govt. of West Bengal, for very kindly responding to our Telegram to be the Guest of Honour this occasion, inspite of his heavy preoccupation. What is more, Mr. Chatterjee is the keynote speaker of tomorrow's session TS-2 devoted to Non Destructive Testing—who else is better equipped to talk on the topic indeed? Thanks are due to the delegates who have assembled here from far and near, to members of the Association for patronizing the Association in all its activities,

to the ladies and gentlemen who by their coloured and gracious presence are encouraging us to-day and in our future activities.

It would be an act of ungratefulness, if we do not thank the advertisers for kindly releasing their insertion in the pre-conference issue of our journal and agreeing to release insertion in the forthcoming Proceedings of the 12th Conference. Thanks are also due the authority of Bharatiya Bhasa Parihsad for allowing us to use the auditorium for the conference, to Abhinaba Mudrani for timely publication of whatever needed on the eve of the Conference, to Sri Mou Roy who is here to hold some colourful moments of this conference on celluloid, to W. B. Govt for arranging the film show 'Sonar Kella' by Sri Satyajit Roy, this evening at 6-30 p. m. and to others who have contributed towards the success of this conference. Last, but not the least, I will fail in my duty if I do not on behalf of the Association members and on my personal behalf vouch that the post of President of the Association is held by a personality who would be very difficult to replace in future and we owe our heartfelt gratitude to Dr. R. K. Chakrabarti.

Friends, it's time that you are tea-thirsty and might be anxiously waiting for the cultural session to begin at 6-00 p.m. sharp with vocal music followed up by Film show, Sonar-Kella, at 6-30 p.m. The Association is not affluent and as such on behalf of the Association, I tender our apology for being not in a position to entertain you with high tea worth the name, but nevertheless, we have made a very modest arrangement for tea to be served upstairs; please do gratify us by accepting our humble invitation.

Thanking you all once again, I conclude.

The seminar was held on 13th February, 1983 in three sessions.

Technical Session—I : Destructive Testing of Materials.

Chairman : Prof. R. K. Chakrabarti,
Prof. Mechanical Engineering Department,
Jadavpur University Calcutta—700032.

Dr. S. R. Bhattacharyya, Dr. Subrata Pal Mr. B. Mukherjee and Mr. K. L. Barui read their papers in this session. Dr. S. R. Bhattacharyya raised an important point on standardisation of tensile test specimen dimensions. Dr. S. Pal presented a work on emerging field of Biomedical Engineering. He showed a wide varieties of biological materials in his slide presentation and their test and evaluation procedure.

Technical Session—II : Non-Destructive Testing of material prof Mechanical Engineering Dept.

Chairman : Dr. B. Bose, Prof, Mech. Engg. Deptt., Jadavpur University.

Number of papers read : 4

Mr. K. R. Thiruvengataswamy, Er. S. Roy Er. S. N. Das and Er. A. Sengupta, read

their papers. Er. Roy's paper was very much interesting and it raised a lot of questions from the participants. He indicated a simple shop-floor technique of measuring residual stress. Mr. Das from Regional Testing Centre discussed advanced methods for Industrial Radiography.

Technical Session : III

Chairman : Dr. S. R. Das, Director—General, National Test House, Alipur, Calcutta.

No of papers Read: 3

This session was quite interesting and Mr. S. K. Poddar explained the reasons for sickness of our small scale industries with a lot of factual data. Then Er. P. Banerjee, Managing Director of M/S. Westinghouse Saxby Farmer Ltd. gave a vivid picture of the state of the affairs in our factories. He stressed the precarious condition of the management sandwiched between the bureaucracy and labour force. The proceedings of the session was summarised by Dr. Das. Then Dr. M. Bhattacharyya proposed a vote of thanks to all participants, sponsors, contributors and advertisers for their kind help to make this seminar a success.