



A meeting of the Executive Committee of the Indian Science Congress Association was held at the Physical Laboratory, Presidency College, Calcutta, on 12th July, 1946 at

The following members of the Executive Committee were present:

(1) Prof. S.K.Mitra (in the Chair), (2) Dr.K.Biswas, (3) Dr.W.D.West, (4) Prof. S.N.Bose, (5) Dr. R.C.Mazumdar, (6) Prof. P. Ray (Treasurer) and (7) Dr. B. Mukerji (Acting General Secretary).

### Proceedings

1. Confirmation of the Proceedings: The minutes of the Executive Committee dated 27th June, 1946, as was circulated, were confirmed with the following modifications in Item 4. Minor changes were also suggested in Items 9 & 10 by Dr. R.C.Mazumdar. These were adopted and the corrected Proceedings signed by the officers concerned.

#### Item 4: Work of different Sub-Committees:

This was modified to read as follows: Dr. Mukerji reported that the Executive Committee of the last year had appointed a 'Rules Revision Committee' to revise the whole set of Rules and Regulations and members have been requested in a circular letter dated 19th June, to send in their views and suggestions. At Bangalore, in response to the recommendations of the Executive Committee and with the approval of the General Committee, 2 other Subcommittees were appointed to report on (i) 'Standard time for India' and (ii) 'Award of Certificates' to manufacturers of scientific apparatus'. Another Subcommittee was appointed by the Council at Bangalore to report on the activities of the Sectional Committees in particular and generally on the method of stimulating the activities of the Association. Dr. Mukerji thought that these Subcommittees should finish their labours soon.

Prof. S. K. Mitra informed that it would be possible for him to start the work of the Subcommittee on Standard time for India. Regarding the Subcommittee on the Award of Certificates, Dr. Mukerji, who is the Convener, reported that much progress could not be made sufficiently early this year to enable it to function effectively from the Patna session. Dr. Mukerji, however, said that he is making every effort to get together a set of plans in consultation with various experts, so that these could be placed before the next meeting of the Executive Committee for their consideration and adoption sometime before the Patna session. If the scheme has the approval of the Executive Committee, then an effort could be made to organise the 1948 Exhibition of Scientific Instruments, etc., according to that scheme. Manufacturers of Scientific Instruments will have to be contacted through circulars, etc. on all India basis and this can hardly be done before the Patna session.

The 'Rules Revision Subcommittee' was reconstituted with the following members: (1) Prof. S. K. Mitra, (2) Dr. W.D.West, (3) Dr.K.Biswas, (4) Dr.R.C.Mazumdar, (5) Dr.V.C.Sen Gupta and (6) Dr. B. Mukerji. It was resolved that Dr. Biswas, Dr. Mazumdar and Prof. Sen Gupta would make a preliminary scrutiny of the existing Rules and frame tentative recommendations for consideration of the Sub-Committee, before the Sub-Committee finally reports to the Executive Committee.

#### 2. Programme for the symposium on National Planning:

Dr. K. Biswas submitted a note outlining a procedure for arranging the discussion on different aspects of National Planning as have been contemplated earlier. He suggested that the Sectional discussions should be held first and the symposium will pool all information from the Sections and present a comprehensive scheme. It was pointed out that in the skeleton programme for the session adopted earlier, the symposium had been fixed to be held on the day after the opening of the session and the coordinated discussions on different aspects of National Planning would follow.

Prof. S.K.Mitra suggested that a title for the general symposium should be fixed and in the symposium itself, the subject may be divided into 4 or 5 sections, which would be opened by eminent experts in the respective fields.

Resolved that the following subject be selected for the general symposium: "Place of Science in the Planned Economy of India", which

will be opened by prefatory remarks by Pandit Jawharlal Nehru, President-elect of the session. It was resolved further that the following speakers in order of preference of their willingness be approached for speaking on the above subject:

(i) 'Place of Science in Education'

Speakers: (1) Sir S. Radhakrishnan, (2) Sir Maurice Gwyer and (3) Mr. H. P. Maity.

(ii) 'Science in Fundamental Research'

Speakers: (1) Prof. H. J. Bhabha (2) Prof. S.K.Mitra, (3) Prof. M. N. Saha

(iii) 'Science in Industrial Research'

Speakers: (1) Sir J. J. Gandhi and (2) Sir J. C. Ghosh

(iv) 'Biological sciences and human welfare'

Speakers: (1) Prof. B. Sahani, (2) Dr. Baini Prasad (Biology) (3) Dr. L. Mudaliar, (4) Dr. B. C. Roy and (5) Sir S. S. Sokhery (Medicine)

It was further suggested that the Sectional Presidents might be informed about this programme and requested to ~~initiate~~ initiate discussions on similar lines as far as his science is concerned. The whole discussion could later be coordinated in such a way as to give a comprehensive picture of the economic and scientific development of the country.

3. Renaming of the Section of 'Engineering & Metallurgy':

In continuation of the discussion on the subject at the last meeting of the Executive Committee, Dr. B. Mukerji placed before the meeting a list of Sections of the British Association, the American Association and the South African Association for the Advancement of Science and suggested that the Section may be suitably renamed as 'Engineering and Industrial Science' which would include all workers on Applied and Industrial Science.

Resolved that the proposed revision of name be circulated to the members of the Council for opinion for final consideration by the Executive Committee.

4. New Section on 'Textile Fibres'.

Considered a letter from Dr. Nazir Ahmad dated 2nd July, 1946 suggesting the creation of a new section on 'Textile fibres'. In the discussion it was felt that the reasons adduced for this new move would be satisfactorily met in the proposed renaming of a section as 'Engineering and Industrial Science' as noted above.

Resolved that the consideration of the matter be postponed until a decision is arrived at with regard to Item 3.

5. Enamel badges for members: Considered a letter from Mr. Bijon Dutta dated 9 July, 1946 suggesting inter alia the making of permanent enamelled badges for the use of the members of the ISCA at all times.

It was decided since the membership of the Science Congress is open to all scientists and is renewable year-to-year, the question of permanent distinctive badges does not arise. The letter was recorded.

6. Decimalization Committee: The minutes of the meeting of the Subcommittee dated 14th May, 1946 were placed before the meeting. The Committee had requested for a grant of Rs.100/- towards the expenses of printing pamphlets and for meeting postal and contingency charges.

Resolved that the Secretary of the Committee be informed that the Executive Committee was agreeable to make a grant of a sum not exceeding Rs.100/- towards the above charges, and that necessary vouchers be produced while submitting the bill.

Also considered a letter from Mr. Phanindra Nath Seth, Convener of the Decimalization Committee making certain suggestions. The letter was recorded.

7. Sectional correspondent for the Section of Anthropology and Archaeology:

Considered a letter from Mr. R. K. Mukherjee dated 11th July, 1946 regretting his inability to act as Sectional Correspondent for the Section of Anthropology and Archaeology, as he is shortly proceeding abroad.

Resolved that Dr. P. C. Biswas of the Dept. of Anthropology, Calcutta University be appointed as Sectional correspondent vice Mr. R. K. Mukherjee.

8. Considered a letter from the Secretary, National Institute of Sciences of India dated 31 May, 1946 enquiring if the ISCA are in need of any financial assistance from the Rockefeller Foundation for the publication of scientific Journals in India.

Resolved that a request be made for a grant of Rs. 2,000 towards the printing of the Proceedings.

9. Considered a letter from the Bihar Herald, Patna, seeking help for details of the forthcoming Science Congress session and in bringing out a Supplement on the occasion of the session.

Resolved that the General Secretary be authorised to furnish materials as are available for publicity purposes.

10. Extension of the date of enrolment as ordinary members:

Dr. Mukerji reported that due to the postal strike remittances were likely to be delayed and suggested that a suitable extension of date be granted for enrolment of ordinary members.

Resolved that Dr. Mukerji be requested to accept remittances for enrolment of ordinary members till such date as he thinks proper and he be also requested to report the period of extension granted at a later meeting of the Executive Committee.

11. Considered a letter from Dr. R. C. Mazumdar dated 12th July, 1946 raising several issues. His first point regarding the 'Rules Revision Committee' was considered and the Proceedings of the last Executive Committee (Item 1) were suitably modified to cover his views. Further discussion was opened on the question of housing of the office of the I.S.C.A. In addition to the efforts already being made by Prof. S. K. Mitra and Dr. R. C. Mazumdar, Dr. West was requested to explore possibilities in the Royal Asiatic Society of Bengal building.

It was also decided not to wait indefinitely for the appointment of the Assistant Secretary. If the permanent General Secretary did not arrive by the 31st August, 1946, the Executive Committee should go ahead with the selection. It was resolved that the following persons be co-opted to the Committee already formed to interview the candidates for the post of the Asst. Secretary: (1) Dr. K. P. Biswas, (2) Prof. K. Banerjee and (3) Prof. J. C. Sen Gupta.

At Dr. Mazumdar's request, the language of the Proceedings of the Executive Committee Meeting on 14.4.46. regarding the management of the office of the I.S.C.A. during the absence of the Permanent Gen. Secy. was considered. After some discussion, it was resolved that Dr. B. Mukerji be given full powers as 'Acting General Secretary' and Prof. Mahalanobis be considered as 'Permanent General Secretary' on foreign tour. Dr. Mukerji was requested to be in charge of all the duties and functions and not merely of management of the correspondence work of the I.S.C.A.

12. Representation at the Australian Association Meeting:

Dr. W. D. West suggested that Dr. K. Jacob, who is undergoing special training at the Melbourne University might be requested to represent the Association at the forthcoming meeting of the A.A.A.S. Dr. Jacob is an ordinary member of the I.S.C.A.

Resolved that Dr. K. Jacob be appointed a representative of the I.S.C.A. and the Australian Association be informed accordingly.

13. Despatch of Proceedings of Bangalore Session:

Dr. B. Mukerji reported that he had withheld the despatch of Parts I, II and III of the Proceedings, which were made ready just before the announcement of the postal strike. Though the Post Office is accepting book packets, it is apprehended that some of the pamphlets might get lost or go astray, which will cause great inconvenience both to the members concerned and the Association. In fact, if 10 per cent of the packets become untraced, the stock of the Association will not be sufficient to supply duplicate copies (Recorded).

14. Dearness Allowance to staff of the ISCA.

Dr. B. Mukerji reported that in terms of the Resolution No. 29 of the Executive Committee meeting dated 16th April, 1946, the following payments will be made to the staff in respect of retrospective dearness allowance:

Mr. Monmohan Hazra	Rs. 40/-
Rajani K. Mahakur	Rs. 150/-

(Recorded).

15. Standard time Sub-Committee:

Prof. S. K. Mitra suggested that Mr. A. K. Ghosh, who had originally moved in the matter of an uniform time standard all over India, be co-opted as a member of the Sub-Committee.

Resolved that Mr. A. K. Ghosh be co-opted a member of the Sub-Committee on 'Standard Time for India'.

Resolved that the following be appointed Sectional Presidents and Recorders for the 28th Session (February 1st, 1940 to January 31st, 1941):

<u>Section.</u>	<u>President.</u>	<u>Recorder.</u>
1. Mathematics & Statistics.	Prof. K. Anand Rao, Madras.	Prof. S. C. Dhar, Nagpur.
2. Physics.	Prof. P. N. Ghosh, Calcutta.	Dr. R. K. Asundi, Benares.
3. Chemistry.	Prof. Mata Prasad, Bombay.	Dr. M. Qureshi, Hyderabad.
4. Geology.	Dr. M. R. Sahni, Calcutta.	Dr. A. S. Kalapesi, Bombay.
5. Geography & Geodesy.	Dr. S.M. Tahir Rizvi, Aligarh.	Mr. M. B. Pithawalla, Karachi.
6. Botany.	Dr. Sri Ranjan, Allahabad.	Dr. P. L. Anand, Lahore.
7. Zoology.	Prof. A. Subba Rao, Mysore.	Mr. J. L. Bhaduri, Calcutta.
8. Entomology.	Rao Sahib Y. Ramachandra Rao, Coimbatore.	Dr. P. Sen, Calcutta.
9. Anthropology.	Mr. T. C. Das, Calcutta.	Dr. A. Aiyappan, Madras.
10 Medical and Veterinary Research.	Mr. A. C. Ukil, Calcutta.	Dr. S. Ramakrishnan, Madras.
11 Agriculture.	Mr. K. Ramiah, Indore.	Dr. C. N. Acharya, Bangalore.
12 Physiology.	Dr. B. B. Dikshit, Bombay.	Dr. B. Mukerji, Calcutta.
13 Psychology & Educational Science.	Dr. I. Latif, Lahore.	Dr. G. Pal, Calcutta.
14 Engineering.	Sir M. Visweshwarayya, Bangalore.	

5. It was resolved to hold the 28th Meeting (1941) of the Indian Science Congress from Thursday, January 2nd to Wednesday, January 8th, 1941.

6. The General Secretary reported that the President of the Section of Medical and Veterinary Research had not submitted his Address, neither he had intimated whether he had himself got it printed for distribution at the Session of the Congress (January 1940).

Resolved that the matter be recorded and the Address be included in Part II of the Proceedings.

Farm G.R. Harrison

Atoms in Action.

1 W of wood can	Keep a box with
lamp lamp for	200 hrs.
Coal	400
gasoline	500
H <sub>2</sub>	2700

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Egerton's estimate of

1300 million tons coal  
270 " " oil

55 " natural gas used  
per year

1/10,000 what is used for steam  
per year

$$\frac{\pi q_s^2}{4\pi R^2} = \frac{1}{94000}$$

$$\frac{\pi q_s^2}{4\pi R^2}$$

$$\frac{1}{94000} \times \left( \frac{q_{sun}}{year} \right)^2$$

<u>S e c t i o n</u>	<u>Sectional Correspondent</u>	<u>Local Sectional Secretary</u>
9. Anthropology.	Mr. D. Sen, Lecturer, Vidya-sagar College, Calcutta.	Dr. Benoyendranath Ray, Department of Philosophy, University of Dacca, Dacca.
10. Medical & Veterinary Research	Dr. D. N. Banerjee, Assistant Professor of Pathology and Bacteriology, Carmichael Medical College, Calcutta.	
11. Agriculture.	Dr. R. P. Mitra, Senior Soil Chemist under the Imperial Council of Agricultural Research, University College of Science, Calcutta.	
12. Physiology.	Mr. B. B. Chatterjee, Pharmacologist and Lecturer in physiology, Calcutta University, Calcutta.	
13. Psychology & Educational Science.	Dr. B. K. Bagchi, Bose Institute, Calcutta.	Prof. Hem Chandra Banerjee, Vice-Principal, Teachers' Training College, Dacca.
14. Engineering.	Prof. S. K. Roy, Professor-in-Charge, Department of Electrical Engineering, College of Engineering & Technology, Jadavpur.	

It was also resolved that the appointments for the offices of the Local Sectional Secretaries of the Sections of Physics, Chemistry, Entomology, Medical and Veterinary Research, Agriculture, Physiology and Engineering be made after consultation with the Local Secretary to be appointed for the 1942 Session.

2. Considered the report of the General Secretary in the matter of reducing printing cost and increasing the income of the Association.

The following resolutions were adopted by the Executive Committee:

- (a) That the Presidents of Sections be requested to be strict in accepting the papers, that is, they should raise the standard and accept abstracts only if the full papers are received.
- (b) That 25 pages should be strictly enforced as a limit of the Presidential Addresses.
- (c) That abstracts for discussions should not exceed 500 words.
- (d) That number of discussions should be reduced to 2 per Section.

# UNIVERSITY OF DELHI

## SILVER JUBILEE CONVOCATION

7th March, 1948.

### 1st Row Sitting—

Dr. Sir John Sargent; The Hon'ble Dr. Rajkumari Amrit Kaur; The Hon'ble Dr. Jawaharlal Nehru; Her Excellency The Countess Mountbatten of Burma;  
His Excellency the Earl Mountbatten of Burma (*Chancellor*); Dr. Sir Maurice Gwyer (*Vice-Chancellor*); The Hon'ble Dr. Abul Kalam Azad; Dr. Sir S. S. Bhatnagar;  
Dr. Sir Srinivasa Varadachariar.

### 2nd Row Standing—

Dr. Sir B. N. Rau; Dr. V. K. R. V. Rao; Dr. Zakir Husain; Dr. S. N. Sen; Dr. M. H. Wheeler; Mr. S. Ratnam (*Treasurer*); Dr. Sir K. S. Krishnan;  
Dr. D. N. Wadia; Dr. N. V. Thadani; Rao Sahib Dr. S. R. Ranganathan; Mr. T. P. S. Iyer, (*Offg. Registrar*).