

# NATIONAL INSTITUTE OF SCIENCES OF INDIA

## Fifteenth Annual General Meeting

The Fifteenth Annual General Meeting of the National Institute of Sciences of India was held at 10 a.m., on Monday, the 2nd January, 1950, in the Amphitheatre of the Fergusson College, Poona.

The following Fellows were present:—

Prof. S. N. Bose, *President, in the Chair.*  
Dr. D. R. Bhattacharya, *Additional Vice-President.*  
Dr. J. N. Mukherjee, *Foreign Secretary.*  
Prof. D. S. Kothari } *Secretaries.*  
Dr. H. S. Pruthi }

Prof. S. P. Agharkar.  
Prof. S. L. Ajrekar.  
Dr. J. B. Auden.  
Prof. K. N. Bagchi.  
Prof. K. Banerjee.  
Dr. S. K. Banerji.  
Mr. S. Basu.  
Dr. P. N. Bhaduri.  
Dr. S. K. Chakrabarty.  
Dr. D. Chakravarti.  
Dr. K. A. Chowdhury.  
Dr. A. K. Das.  
Prof. B. K. Das.  
Dr. J. C. Ghosh.  
Dr. R. N. Ghosh.  
Prof. P. S. Gill.  
Dr. B. C. Guha.  
Dr. S. L. Hora.  
Prof. A. C. Joshi.  
Dr. M. S. Krishnan.  
Prof. K. B. Madhava.  
Prof. G. P. Majumdar.

Dr. K. Mitra.  
Mr. G. C. Mitter.  
Prof. P. C. Mitter.  
Prof. M. A. Moghe.  
Prof. Vishwa Nath.  
Dr. B. P. Pal.  
Dr. V. G. Panse.  
Prof. G. R. Paranjpe.  
Prof. C. Racine.  
Dr. M. V. Radhakrishna Rao.  
Dr. H. Srinivasa Rao.  
Dr. B. Sundara Raj.  
Dr. L. A. Ramdas.  
Dr. J. N. Ray.  
Prof. J. M. Sen.  
Prof. T. R. Seshadri.  
Dr. S. B. Setna.  
Mr. V. V. Sohoni.  
Dr. P. L. Srivastava.  
Dr. P. V. Sukhatme.  
Dr. R. S. Varma.  
Dr. W. D. West.

Dr. N. A. Yajnik.

Besides, a large number of visitors were also present.

At the outset, the President referred to the death of Prof. Major Greenwood, an Honorary Fellow. A resolution of condolence was adopted, all standing.

The minutes of the Fifty-first Ordinary General Meeting, held on the 25th November, 1949, were read and confirmed.

The President announced that, as a result of scrutiny of voting papers received from Fellows, the following persons were duly elected Ordinary and Honorary Fellows of the Institute:—

### *Ordinary Fellows.*

- (1) Dr. D. P. Antia, *Development Officer, Ministry of Industry and Supply, Government of India, New Delhi.*
- (2) Dr. F. C. Auluck, *Reader in Physics, University of Delhi, Delhi.*
- (3) Dr. P. L. Bhatnagar, *Head of the Department of Mathematics, St. Stephens College, and Reader in Mathematics, University of Delhi, Delhi.*
- (4) Dr. K. Biswas, *In-charge of duties of Director at the Herbarium, Royal Botanic Gardens, Sibpur, Howrah.*
- (5) Dr. J. P. Bose, *Officer-in-charge, Department of Biochemistry and Diabetes, School of Tropical Medicine, Calcutta.*
- (6) Dr. R. N. Chaudhuri, *Professor of Tropical Medicine, School of Tropical Medicine, Calcutta.*
- (7) Dr. V. M. Ghatage, *Assistant Professor of Aeronautical Engineering, Indian Institute of Science, Bangalore.*

- (8) Dr. H. Gupta, *Senior Lecturer in Mathematics, Government College, Hoshiarpur, E. Punjab.*  
 (9) Dr. T. J. Job, *Chief Research Officer, Central Inland Fisheries Research Station, Manirampur, Barrackpore.*  
 (10) Dr. R. S. Krishnan, *Professor of Physics, Indian Institute of Science, Bangalore.*  
 (11) Dr. M. C. Nath, *Chitnavis Professor and Head of the Department of Biochemistry, University of Nagpur, Nagpur.*  
 (12) Dr. H. N. Ray, *Research Officer (Protozoology), Indian Veterinary Research Institute, Mukteswar—Kumaun.*  
 (13) Dr. M. R. Sahni, *Superintending Geologist, Geological Survey of India, Calcutta.*  
 (14) Dr. A. Sreenivasan, *Lecturer in Foods and Drugs, Department of Chemical Technology, University of Bombay, Bombay.*  
 (15) Dr. R. S. Vasudeva, *Plant Pathologist, Indian Agricultural Research Institute, New Delhi.*

*Honorary Fellows.*

- (1) Dr. P. Debye, *Professor of Chemistry, Cornell University, Ithaca, New York, U.S.A.*  
 (2) Dr. M. von Laue, *Professor of Theoretical Physics, University of Berlin, Germany.*  
 (3) Dr. M. Siegbahn, *Professor of Physics, University of Uppsala, Sweden.*  
 (4) Dr. E. Schrodinger, *Professor of Physics, Institute for Advanced Studies, Dublin, Eire.*

The President appointed Profs. S. P. Agharkar and K. N. Bagchi as scrutineers of the voting papers for the election of office bearers and Members of Council for the year 1950.

As a result of the scrutiny, the following were declared as duly elected to the Council:—

|                               |    |    |                                      |
|-------------------------------|----|----|--------------------------------------|
| <i>President</i>              | .. | .. | Prof. S. N. Bose (Calcutta).         |
| <i>Vice-Presidents</i>        | .. | .. | (1) Prof. A. C. Banerji (Allahabad). |
|                               |    |    | (2) Dr. K. S. Krishnan (Delhi).      |
| <i>Treasurer</i>              | .. | .. | Dr. C. G. Pandit (Delhi).            |
| <i>Foreign Secretary</i>      | .. | .. | Dr. J. N. Mukherjee (Delhi).         |
| <i>Secretaries</i>            | .. | .. | (1) Prof. D. S. Kothari (Delhi).     |
|                               |    |    | (2) Dr. H. S. Pruthi (Delhi).        |
| <i>Editor of Publications</i> | .. | .. | Dr. S. L. Hora (Calcutta).           |

*Members of Council :*

|                                 |                               |
|---------------------------------|-------------------------------|
| Dr. S. P. Agharkar (Poona).     | Prof. R. C. Majumdar (Delhi). |
| Prof. K. N. Bahl (Lucknow).     | Dr. H. R. Mehra (Allahabad).  |
| Dr. S. K. Banerji (Delhi).      | Mr. G. R. Paranjpe (Poona).   |
| Mr. S. Basu (Poona).            | Prof. P. Parija (Banaras).    |
| Prof. S. R. Bose (Calcutta).    | Dr. L. A. Ramdas (Poona).     |
| Dr. B. C. Guha (Calcutta).      | Mr. J. M. Sen (Calcutta).     |
| Prof. A. C. Joshi (Hoshiarpur). | Prof. N. R. Sen (Calcutta).   |
| Dr. S. Krishna (Dehra Dun).     | Dr. P. V. Sukhatme (Delhi).   |
|                                 | Dr. A. C. Ukil (Calcutta).    |

The following Fellows were admitted under provisions of Rule 13:—

Dr. S. K. Chakrabarty.  
 Dr. R. N. Ghosh.  
 Dr. K. Mitra.  
 Mr. G. C. Mitter.  
 Prof. C. Racine.  
 Dr. S. B. Setna.

The Secretaries presented the Report of the Council for the year 1949 (*vide* page 315).

The Report was adopted.

The President, Prof. S. N. Bose, then delivered a short address, extempore, the summary of which is as follows:—

He thanked the Fellows for his re-election for a second term. He gave a short review of the work of the Institute during the past year and laid stress on the

good work that the Institute was doing in distributing Fellowships to scholars attached to different research institutions. He was glad to note that the scheme of fostering research was bearing good fruit and that a number of interesting papers had already been published during the year by the scholars of the Institute which had been received favourably in the scientific world. He hoped that with more generous grants from Government, the Institute would be able to contribute substantially to the cause of scientific progress in India.

He remarked that the Institute had felt the need of a home of its own at its headquarters for some time, and he was glad to be able to report that the negotiations for the acquisition of land on lease were complete and a suitable grant for the construction of a building, had also been received from the Government. During the year under review, a number of Fellows of the Institute had attended different international congresses and conferences in various countries and he hoped that, in future, this would continue and more Fellows would be able to go abroad and thereby promote goodwill and co-operation in the scientific world. He was glad also to know that a number of scientists of eminence from abroad were attending the Science Congress and had come also as visitors at the Annual Meeting of the Institute. He extended to them a very cordial welcome and hoped that their visit and their presence would give enduring stimulus to scientific activity in the country.

In the absence of authors, the following papers were taken as read:—

- (1) *A critical Evaluation of the question of Cytoplasmic Inheritance in Yeasts* by M. K. Subramaniam. (Communicated by Dr. S. L. Hora.)
- (2) *The Embryo-sac of Fritillaria liliacea* by J. S. Agarwal. (Communicated by Prof. P. Maheshwari.)
- (3) *Luminescence Spectra of Alkalihalides* by H. N. Bose and J. Sharma. (Communicated by Prof. S. N. Bose.)
- (4) *The Development of the Vertical column in the Domestic Fowl* by Sivatosh Mookerjee. (Communicated by Dr. S. L. Hora.)
- (5) *Mallophaga infesting Birds in the Punjab* by M. Atiqur Rahman Ansari. (Communicated by Dr. H. S. Pruthi.)
- (6) *On the Determination of acoustic Influence by Curve Width Method* by R. G. Chatterji. (Communicated by Dr. R. N. Ghosh.)

(The papers after refereeing, if found suitable, would be published in the *Proceedings* of the Institute.)

Dr. S. B. Setna delivered the Chandrakala Hora Memorial Medal Lecture on *Growth of Fishery Industry: Side-lights on Fifteen years' work*.

The Symposium on *Operational Research in Peace and in War* organized by Prof. D. S. Kothari was then held. Prof. D. S. Kothari, Major-General Williams, Prof. K. B. Madhava, Dr. P. V. Sukhatme, Dr. R. S. Varma and Mr. Dilwali took part in the discussion.