

National Institute of Sciences of India

ANNUAL REPORT

The Council of the National Institute of Sciences of India have pleasure in submitting the following report on the general concerns of the Institute for the year 1942, as required by the provisions of Rule 48(f).

Membership.

The number of Fellows on the roll of the Institute at the beginning of the year was 179 Ordinary Fellows and 23 Honorary Fellows. Thirteen Ordinary Fellows were elected during the year in accordance with the procedure laid down in the Regulations. One Ordinary Fellow resigned, and one Ordinary Fellow and one Honorary Fellow died during the year. The total number of Fellows on the roll at the end of the year is 190 Ordinary Fellows and 22 Honorary Fellows. Of the 190 Ordinary Fellows 8 are non-resident.

Meetings.

The Seventh Annual General Meeting was held in the Central Hall of the Baroda College, Baroda, on the 1st January, 1942. An account of the meeting was published in the *Proceedings*, Vol. VIII, No. 1, pp. 5-7.

Owing to troublous situation of the country it was not possible to arrange many Ordinary General Meetings for discussion during the year. Only one meeting was held in the rooms of the Royal Asiatic Society of Bengal, 1 Park Street, Calcutta, on the 5th October, 1942. Some of the papers read at this meeting have already been published in the *Proceedings*, Vol. VIII, No. 3 and the rest are in course of publication.

The Council.

The officers and members of Council for the year 1942 were elected at the Seventh Annual Meeting held on the 1st January, 1942. The Council, together with the representatives of the co-operating Academies, the Indian Science Congress Association and the Government of India, was constituted as follows:—

<i>President</i>	..	..	Dr. Bains Prashad.
<i>Vice-Presidents</i>	..	..	Prof. J. N. Mukherjee. Dr. C. W. B. Normand.
<i>Additional Vice-Presidents</i>	..	..	Prof. K. S. Krishnan. H. R. Mehra. Mr. D. N. Wadia. Mr. W. D. West.

<i>Treasurer</i>	..	..	Dr. B. S. Guha.
<i>Foreign Secretary</i>	..	..	Dr. J. C. Ghosh.
<i>Secretaries</i>	..	..	Prof. S. P. Agharkar. Dr. C. S. Fox.
<i>Editor of Publications</i>	..	..	Rai Bahadur Dr. S. L. Hora.
<i>Members of Council</i>	..	..	Rai Bahadur Dr. K. N. Bagchi. Sir S. S. Bhatnagar. Dr. F. H. Gravely. Dr. M. Ishaq. Dr. D. S. Kothari. Dr. M. S. Krishnan. Prof. G. Matthai. Prof. V. V. Narlikar. Principal G. R. Paranjpe. Principal P. Parija. Dr. F. G. Percival. Prof. M. Qureshi. Dr. K. R. Ramanathan. Rao Bahadur G. N. Rangaswami Ayyangar. Prof. M. R. Siddiqi. Dr. N. K. Sur. Mr. F. Ware. Brevet-Col. Sir R. N. Chopra } Sir Lewis Fermor } <i>Ex-officio.</i> Prof. M. N. Saha }
<i>Additional Members of Council</i>			Dr. D. M. Bose. Prof. P. C. Mahalanobis. Prof. S. K. Mitra. Rai Sahib Dr. P. L. Srivastava.

Dr. B. S. Guha resigned his appointment of Treasurer on the 21st July, 1942, owing to transfer of his office outside Calcutta. Prof. J. N. Mukherjee, a Vice-President of the Institute, was appointed to act as Treasurer in place of Dr. B. S. Guha.

The Council held five ordinary meetings during the year. Finding it difficult to obtain a quorum for a meeting during the prevailing disturbances in the country, the Council's proposal for appointing a committee consisting of the two Honorary Secretaries, Treasurer and Rai Bahadur Dr. S. L. Hora to act on behalf of the Council in consultation with the President was approved at the Ordinary General Meeting held on the 5th October, 1942. This Committee met thrice during the year.

Committees.

The Sectional Committees are given in Appendix III.

Publications.

Three numbers of the *Proceedings* and two numbers of the *Transactions* were published during the year.

In a circular letter on the subject of economy of paper issued during the year the Government of India suggested that Associations might discontinue certain periodical publications during the period of the war and revise their publication programme.

The Council considered the situation carefully and have decided that it was not desirable to curtail the printing of the *Proceedings*, which in these days have become one of the chief means of scientific communications. They, however, agreed to suspend the publication of the *Indian Science Abstracts* after completing the volumes for 1938 and 1939 which are in the press. The printing of these could not be completed during the year owing to various technical difficulties. The *Indian Science Abstracts* for the subsequent years will, however, be prepared and kept in typescript in the office of the Institute, with a view to future publication. It is proposed to earmark funds for this purpose. The whole question will be carefully considered at a later date.

Exchanges.

Three additional Institutions were placed on the distribution list for the publications of the Institute, bringing the total number on the list to ninety-eight.

Library.

Two hundred and seventy-three parts of periodicals and reprints were added to the library during the year.

Presents and Donations.

The following grants-in-aid were made to the Institute during the year :—

- (1) Rs.500 from the Calcutta University.
- (2) Rs.300 from the Osmania University.
- (3) Rs.200 from the Dacca University.

The Government of India made their ordinary grant of Rs.6,000 to the Institute and expressed their inability to give the enhanced grant of Rs.7,000 for the year. A grant of Rs.500 was received from the Panjab University in connection with the printing of a paper by Dr. Vishwa Nath in the *Transactions* of the Institute.

Finance.

An audited statement of accounts of the Institute for the period from 1st December, 1941 to 30th November, 1942, is submitted (*vide* Appendix IV). The total ordinary receipts for this period are Rs.15,617-2-0 (inclusive of the Government of India grant of Rs.6,000) and the ordinary payments are Rs.12,181-13-9, leaving a balance of Rs.3,435-4-3. A further sum of Rs.160-0-0 was realized on account of admission fees.

A statement, showing the donations, other than recurring annual grants-in-aid, together with compounding fees and admission fees received and their investments since 1935, is given in Appendix V.

At the beginning of the year the cash position of the Institute was as follows:—

			Rs.	A.	P.
In Savings Bank account	..	..	5,713	9	0
„ Government paper	..	..	40,000	0	0
„ Current account	..	..	4,818	12	9
„ hand	..	..	14	3	0
		TOTAL	50,546	8	9

At the end of the year, however, the cash position was as shown below:—

			Rs.	A.	P.
In Savings Bank account	..	..	5,757	4	0*
„ Government paper	..	..	40,000	0	0
„ Current account	..	..	8,383	8	6
„ hand	..	..	1	0	6
		TOTAL	54,141	12	0

APPENDICES.

- I. List of Fellows.
- II. Abstract Proceedings of the Council.
- III. Committees, 1943.
- IV. Audited statement of accounts, Dec. 1941–Nov. 1942.
- V. Statement showing donations, etc. received and investments.
- VI. Budget Estimates, Dec. 1942–Nov. 1943.

* Includes a sum of Rs.3,275-0-8 on account of the Permanent Fund.

APPENDIX I.

LIST OF FELLOWS.

ORDINARY FELLOWS.

1. ABRAHAM, LT.-COL. W. E. V., A.R.C.S. (I.), F.G.S., M.Inst.P.T., Senior Geologist, Burmah Oil Co., Ltd., Burma, Khodaung, Magwe, Burma. (1936).
2. AGHARKAR, S. P., M.A., Ph.D., F.L.S., Ghose Professor of Botany, Calcutta University, 35 Ballygunge Circular Road, Calcutta.
3. AHMAD, NAZIR, O.B.E., M.Sc., Ph.D., Director, Indian Central Cotton Committee's Technological Laboratory, Matunga, Bombay.
4. AIYAR, R. GOPALA, M.A., L.T., M.Sc., University Professor of Zoology and Director, University Zoological Laboratory, Madras. (1938).
5. AJREKAR, S. L., B.A., I.E.S. (Retd.), Bhandarkar Institute Road, Poona 4.
6. ANANDA RAO, K., Rao Bahadur, M.A., I.E.S., Professor of Mathematics, Presidency College, Madras.
7. ASH, W. C., B.Sc., M.Inst.C.E., A.M.I.Mech.E., Bengal Club, Calcutta.
8. AUDEN, J. B., M.A. (Cantab.), Geologist, Geological Survey of India, Indian Museum, Calcutta. (1938).
9. AWATI, P. R., B.A., D.I.C., I.E.S., Professor of Zoology, Royal Institute of Science, Mayo Road, Bombay I.
10. BAGCHEE, K. D., D.Sc., D.I.C., Mycologist, Imperial Forest Research Institute, Dehra Dun, U.P.
11. BAGCHI, K. N., Rai Bahadur, B.Sc., M.B., D.T.M., F.I.C., Chemical Examiner to the Government of Bengal and Professor of Chemistry, Calcutta Medical College, Calcutta. (1940).
12. BAHL, K. N., D.Sc., D.Phil., Professor of Zoology, Lucknow University, Lucknow.
13. BANERJEE, K., D.Sc., Reader in Physics, Dacca University, Ramna, Dacca. (1939).
14. BANERJI, A. C., M.Sc., M.A., F.R.A.S., I.E.S., Professor of Mathematics, Allahabad University, Allahabad.
15. BANERJI, S. K., D.Sc., Director, Upper Air Observatory, Lodi Road, New Delhi.
16. BARDHAN, J. C., D.Sc. (Cal. & Lond.), Lecturer in Chemistry, Calcutta University, 92 Upper Circular Road, Calcutta. (1942).
17. BASU, J. K., M.Sc., Ph.D., Soil Physicist, Sugarcane Research Institute, Padegaon, P.O. Nira R.S., Dt. Poona. (1941).
18. BEESON, C. F. C., C.I.E., D.Sc., Thames House, near Eynsham, Oxford.
19. BEHARI, RAM, M.A., Ph.D., Reader in Mathematics, Delhi University and Professor, St. Stephen's College, Delhi. (1941).
20. BHABHA, H. J., Ph.D., F.R.S., Visiting Professor, Indian Institute of Science, Bangalore, Mehraangir, Little Gibbs Road, Malabar Hill, Bombay. (1941).
21. BHARADWAJA, Y., M.Sc., Ph.D. (Lond.), F.L.S., Professor of Botany and Head of the Department, Benares Hindu University, Benares. (1937).
22. BHARUCHA, F. R., B.A., B.Sc., M.Sc., D.Sc., Professor of Botany and Head of the Department, Royal Institute of Science, Bombay. (1939).
23. BHASKARA SHASTRI, T. P., Rai Saheb, M.A., F.R.A.S., Director, Nizamiah Observatory, Hyderabad (Deccan).
24. BHATNAGAR, SIR S. S., Kt. O.B.E., D.Sc., F.I.C., F.Inst.P., Director of Scientific and Industrial Research, University Buildings, Delhi.
25. BHATTACHARYA, D. R., M.Sc., Ph.D., Dr. és Sciences (Paris), Professor of Zoology Allahabad University, 7 Malaviya Road, Allahabad.
26. BOMFORD, LT.-COL. G., R.E., Survey of India, Temporary Secretariat, Delhi. (1935).

27. BOR, N. L., M.A., D.Sc., F.L.S., Forest Botanist, Forest Research Institute, Dehra Dun. (1941).
28. BOSE, D. M., M.A., B.Sc., Ph.D., Director, Bose Institute, 93 Upper Circular Road, Calcutta.
29. BOSE, G. S., D.Sc., M.B., Head of the Department of Experimental Psychology, Calcutta University, 92 Upper Circular Road, Calcutta.
30. BOSE, N. K., M.Sc., Ph.D., Mathematical Officer, Punjab Irrigation Research Institute, Lahore. (1938).
31. BOSE, R. C., M.A., Lecturer in Statistics, Calcutta University, Presidency College, Calcutta. (1942).
32. BOSE, S. N., M.Sc., Professor of Physics and Head of the Department, Dacca University, Ramna, Dacca.
33. BOSE, S. R., M.A., Ph.D., F.R.S.E., Professor of Botany, Carmichael Medical College, Calcutta. (1935).
34. BRAHMACHARI, SIR U. N., Kt., Rai Bahadur, M.A., M.D., Ph.D., F.R.A.S.B., K.I.H., Physician, Medical College Hospitals, Calcutta (Retired), 19, Loudon Street, Calcutta.
35. BURRIDGE, W., D.M., M.A. (Oxon), Professor of Physiology, Lucknow University, Lucknow.
36. BURT, SIR BRYCE C., Kt., C.I.E., M.B.E., B.Sc., I.A.S. (Retd.), Bryn Dene, Allanson Road, Rhos-on-sea, Denbighshire, Great Britain.
37. CALDER, C. C., B.Sc. (Agr.), F.L.S., 18 Gladstone Place, Aberdeen, Scotland.
38. CHAKRAVARTI, S. N., D.Sc., D.Phil., F.C.S., F.I.C., Chemical Examiner to the Governments of U.P. and C.P., 45 Taj Road, Agra. (1935).
39. CHATTERJEE, N. C., D.Sc., Assistant Entomologist, Forest Research Institute, Dehra Dun.
40. CHAUDHURI, H., D.Sc., Ph.D., D.I.C., Head of the Department of University Teaching in Botany, and Director, Kashyap Research Laboratory, Panjab University, Lahore.
41. CHOPRA, B. N., D.Sc., F.L.S., Assistant Superintendent, Zoological Survey of India, Kaisar Castle, Benares Cantt. (1935).
42. CHOPRA, BREVET-COL. SIR R. N., Kt., C.I.E., M.D., Sc.D., F.R.A.S.B., F.R.C.P., I.M.S. (Retd.), Director, Drug Research Laboratory, Jammu-Tawi, Jammu and Kashmir State.
43. CHOWDHURY, J. K., M.Sc., Dr.Phil. (Berlin), Reader in Chemistry, Dacca University, Ramna, Dacca. (1938).
44. CHOWDHURY, K. AHMAD, B.A., B.Sc., M.S., D.Sc., Wood Technologist, Forest Research Institute, New Forest, Dehra Dun. (1940).
45. COULSON, A. L., D.Sc., D.I.C., F.G.S., Superintending Geologist, Geological Survey of India, Indian Museum, Calcutta. (1935).
46. CROOKSHANK, H., B.S., D.Sc., B.A.I., Capt., A.I.R.O., Superintending Geologist, Geological Survey of India, c/o Garrison Engineer, Razmak. (1938).
47. DASTUR, R. H., M.Sc., Cotton Physiologist, Agricultural College, Lyallpur, Punjab.
48. DATTA, S., M.Sc., D.Sc., D.I.C., Principal, Rajshahi College, Rajshahi. (1935).
49. DATTA, CAPTAIN, S. C. A., D.Sc., F.R.S.E., M.R.C.V.S., D.T.V.M., R.I.A.S.C., Military Veterinary Laboratory, Lahore Cantt. (1938).
50. DE, M. N., M.B. (Cal.), M.R.C.P. (Lond.), Professor of Medicine, Medical College and First Physician, Medical College Hospital, Calcutta. (1942).
51. DESAI, R. D., M.Sc., D.Sc. (Lond.), D.I.C., Deputy-Head, Applied Chemistry Department, V.J.T. Institute, Matunga, Bombay. (1942).
52. DEY, B. B., D.Sc., F.I.C., I.E.S., Professor of Chemistry, Presidency College, Madras.
53. DHAR, N. R., D.Sc., F.I.C., I.E.S., Deputy Director of Public Instruction, U.P., Allahabad.
54. DHAR, S. C., M.Sc., D.Sc. (Cal., Edin.), F.R.S.E., Professor and Head of the Department of Mathematics, Nagpur University, Nagpur. (1938).
55. DIKSHIT, B. B., Ph.D. (Edin.), M.R.C.P. (Edin.), D.P.H. (Calcutta), M.B.B.S. (Bombay), Officer-in-charge, Pharmacology Department, Haffkine Institute, Bombay. (1941).

56. DUNN, J. A., D.Sc., D.I.C., F.G.S., Superintending Geologist, Geological Survey of India, Indian Museum, Calcutta. (1935).
57. DUNNICLIFF, H. B., C.I.E., M.A., Sc.D., F.I.C., I.E.S., Chief Chemist, Central Revenues, and Director, Control Laboratory, New Delhi.
58. DUTT, S. B., D.Sc., D.I.C., Reader in Organic Chemistry, Allahabad University, Allahabad. (1935).
59. EVANS, P., B.A., F.G.S., c/o Messrs. Burmah Oil Co., Ltd., Britannic House, Finsbury Circus, London, E.C.2.
60. FERMOR, SIR LEWIS L., Kt., O.B.E., D.Sc., A.R.S.M., M.Inst.M.M., F.G.S., F.R.A.S.B., F.R.S., 24 Durdham Park, Bristol 6.
61. FOWLER, GILBERT J., D.Sc., F.I.C., Consulting Chemist, Central Hotel, Bangalore.
62. FOX, C. S., D.Sc., M.I.Min.E., F.G.S., F.R.A.S.B., Director, Geological Survey of India, Indian Museum, Calcutta.
63. GEE, E. R., M.A., F.G.S., Geologist, Geological Survey of India, Indian Museum, Calcutta. (1935).
64. GHOSE, S. L., M.Sc., Ph.D., Professor of Botany, Government College, Lahore.
65. GHOSH, B. N., D.Sc. (Lond.), Lecturer in Chemistry, Calcutta University, 92 Upper Circular Road, Calcutta. (1942).
66. GHOSH, J., M.A., Ph.D., Professor of Mathematics, Presidency College, Calcutta. (1936).
67. GHOSH, J. C., D.Sc., Director, Indian Institute of Science, Malleswaram, Bangalore.
68. GHOSH, P. K., M.Sc., D.I.C., D.Sc. (Lond.), Geologist, Geological Survey of India, Calcutta. (1941).
69. GHOSH, P. N., M.A., Ph.D., Sc.D. (Hon.), F.Inst.P., Ghose Professor of Applied Physics, Calcutta University, 92 Upper Circular Road, Calcutta.
70. GHOSH, R. N., D.Sc., Reader in Physics, Allahabad University, Allahabad. (1939).
71. GHURYE, G. S., M.A., Ph.D., Professor of Sociology, University of Bombay, Fuller Road, Bombay. (1941).
72. GLENNIE, COL. E. A., D.S.O., R.E., Survey of India, Dehra Dun.
73. GRAVELY, F. H., D.Sc., F.R.A.S.B., Superintendent, Government Museum, Museum House, Egmore, Madras.
74. GUHA, B. C., D.Sc., Ghose Professor of Applied Chemistry, Calcutta University, 92 Upper Circular Road, Calcutta. (1941).
75. GUHA, B. S., M.A., Ph.D., F.R.A.S.B., Assistant Superintendent, Zoological Survey of India, Kaiser Castle, Benares Cantt.
76. GUHA, P. C., D.Sc., Acting Professor of Organic Chemistry, Indian Institute of Science, Malleswaram, Bangalore. (1935).
77. HADDOW, J. R., O.B.E., B.Sc., M.R.C.V.S., D.V.S.M., I.V.S., Deputy Director and Officer-in-charge, Pathology and Bacteriology, Imperial Veterinary Research Institute, Muktesar-Kumaun, U.P.
78. HENDRY, D., M.C., B.Sc., N.D.A., Director, Imperial Chemical Industries, India, Calcutta. (1938).
79. HERON, A. M., D.Sc., F.G.S., F.R.G.S., F.R.S.E., F.R.A.S.B., Mines and Geology Office, Hyderabad (Deccan).
80. HORA, S. L., Rai Bahadur, D.Sc., F.R.S.E., F.L.S., F.Z.S., F.R.A.S.B., Director of Fisheries, Bengal, 1 Deodar Street, Calcutta.
81. HUSAIN, M. AFZAL, Khan Bahadur, M.A., M.Sc., I.A.S., Vice-Chancellor, Panjab University, Lahore.
82. ISHAQ, MOHAMMED, M.Sc., Ph.D., Head of the Department of Physics, Muslim University, Aligarh. (1940).
83. IYENGAR, M. O. P., M.A., Ph.D., F.L.S., University Professor of Botany, Madras University, Triplicane, Madras.
84. JOSHI, A. C., D.Sc., Assistant Professor of Botany, Benares Hindu University, Benares. (1938).
85. KAPUR, S. N., Ph.D., Officer on Special Duty, Timber Directorate, Department of Supply, New Delhi.
86. KICHLU, P. K., D.Sc., Professor of Physics, Government College, Lahore. (1935).

87. KOTHARI, D. S., M.Sc., Ph.D., Reader and Head of the Department of Physics, Delhi University, Delhi. (1936).
88. KRISHNA, S., C.I.E., Ph.D., D.Sc., F.I.C., Forest Biochemist, Forest Research Institute, New Forest, Dehra Dun (U.P.).
89. KRISHNAN, K. S., D.Sc., F.R.S., Professor of Physics, Allahabad University, Allahabad.
90. KRISHNAN, K. V., M.B.B.S., L.R.C.P., D.B., D.Sc., Professor of Malariology and Rural Hygiene, All-India Institute of Hygiene and Public Health, Calcutta.
91. KRISHNAN, M. S., A.R.C.S., Ph.D., D.I.C., Geologist, Geological Survey of India, Indian Museum, Calcutta. (1935).
92. LAL, R. B., M.B.B.S., D.P.H., D.T.M. & H., D.B., Professor of Vital Statistics and Epidemiology, All-India Institute of Hygiene and Public Health, Calcutta. (1935).
93. LAW, S. C., M.A., B.L., Ph.D., F.Z.S., M.B.O.U., 50 Kailas Bose Street, Calcutta. (1936).
94. MACMAHON, P. S., M.Sc., B.Sc. (Oxon), F.I.C., I.E.S., Professor of Chemistry, Lucknow University, Lucknow.
95. MADHAVA, K. B., M.A., A.I.A. (Lond.), Professor of Mathematical Economics and Statistics, Mysore University, Lakshmpuram, Mysore. (1940).
96. MAHAJANI, G. S., M.A., Ph.D., Principal and Professor of Mathematics, Fergusson College, Poona 4.
97. MAHALANOBIS, P. C., M.A., B.Sc., I.E.S., Professor of Physics, Presidency College, Calcutta.
98. MAHESHWARI, P., D.Sc., Head of the Department of Biology, Dacca University, Ramna, Dacca. (1935).
99. MAJUMDAR, D. N., M.A., Ph.D., F.R.A.I., Lecturer in Anthropology, Lucknow University, Lucknow. (1940).
100. MAJUMDAR, R. C., Dr.Phil.Nat. (Jena), Research Fellow, Bose Institute, 93 Upper Circular Road, Calcutta. (1941).
101. MATTHAI, GEORGE, M.A., Sc.D., F.L.S., F.Z.S., F.R.S.E., Professor of Zoology, Government College, Lahore.
102. MEHRA, H. R., M.Sc., Ph.D., Reader in Zoology, Allahabad University, Allahabad.
103. MEHTA, K. C., Rai Bahadur, M.Sc., Ph.D., Sc.D., Professor of Botany, Agra College, Agra.
104. MILLS, J. P., M.A., I.C.S., Secretary to H.E. the Governor of Assam, Government House, Shillong, Assam. (1936).
105. MITRA, S. C., M.A., D.Phil. (Leip.), Lecturer in Psychology, Calcutta University, 92 Upper Circular Road, Calcutta. (1941).
106. MITRA, S. K., M.B.E., D.Sc., Ghose Professor of Physics, Calcutta University, 92 Upper Circular Road, Calcutta.
107. MITTER, P. C., M.A., Ph.D., Palit Professor of Chemistry, Calcutta University, 92 Upper Circular Road, Calcutta.
108. MOOKERJEE, H. K., D.Sc., D.I.C., University Professor of Zoology and Head of the Department, Calcutta University, 35 Ballygunge Circular Road, Calcutta. (1939).
109. MOWDAWALLA, F. N., M.A., M.I.E.E., Mem.A.I.E.E., M.I.E., 301 Frere Road, Fort. Bombay.
110. MUKHERJEE, J. N., D.Sc., F.C.S., F.R.A.S.B., Ghose Professor of Chemistry, Calcutta University, 92 Upper Circular Road, Calcutta.
111. NAIK, K. G., D.Sc., F.I.C., Professor of Chemistry, Baroda College, Baroda.
112. NARAYANAMURTI, D., B.Sc., Dr.Ing., Officer-in-charge, Wood Preservation Section, Forest Research Institute, New Forest, Dehra Dun. (1940).
113. NARLIKAR, V. V., B.Sc. (Bom.), B.A. (Cantab.), F.R.A.S., Professor of Mathematics and Head of the Department, Benares Hindu University, Benares. (1939).
114. NATH, VISHWA, M.Sc., Ph.D., F.R.M.S., Lecturer in Zoology, Government College, Lahore. (1940).
115. NEOGI, P., M.A., Ph.D., I.E.S. (Retd.), 44A New Shambazar Street, Calcutta, (1936).

116. NORMAND, C. W. B., C.I.E., M.A., D.Sc., Director-General of Observatories, Meteorological Office, New Delhi.
117. OLVER, COL. SIR ARTHUR, C.B., C.M.G., F.R.C.V.S., Principal, Royal Veterinary College, Edinburgh.
118. PANDIT, C. G., M.B.B.S., Ph.D., D.P.H., D.T.M., Director, King Institute of Preventive Medicine, Guindy, Madras. (1939).
119. PARANJPE, G. R., M.Sc., A.I.I.Sc., I.E.S., Principal and Professor of Physics, Royal Institute of Science, Bombay. (1937).
120. PARANJPYE, SIR R. P., Kt., D.Sc., Purushottam Ashram, Poona 4.
121. PARIJA, P. K., M.A., B.Sc., I.E.S., Principal and Professor of Botany, Ravenshaw College, Cuttack.
122. PASRICHA, LT.-COL. C. L., M.A., M.B., B.Chir., M.R.C.S., L.R.C.P., I.M.S., General Headquarters, India, Medical Directorate, New Delhi. (1939).
123. PERCIVAL, F. G., O.B.E., Ph.D., F.G.S., Superintendent of Mines and Quarries, Tata Iron & Steel Co., Ltd., 3 Beldih Lake Road, Jamshedpur. (1936).
124. PHILPOT, H. P., B.Sc. (Eng.), M.Inst.C.E., M.I.Mech.E., M.I.A.E., M.I.M., Principal and Jodhpur Hardinge Professor of Technology, Engineering College, Benares Hindu University, Benares.
125. PICHAMUTHU, C. S., B.Sc., Ph.D. (Glasgow), Registrar, Mysore University, Mysore. (1942).
126. PINFOLD, E. S., M.A., F.G.S., Geologist, The Attock Oil Co., Ltd., Rawalpindi.
127. PRASAD, B. N., M.Sc., D.Sc., Ph.D., Mathematics Department, Allahabad University, Allahabad. (1936).
128. PRASAD, MATA, D.Sc., F.I.C., Professor of Inorganic and Physical Chemistry, Royal Institute of Science, Bombay. (1935).
129. PRASHAD, BAINI, O.B.E., D.Sc., F.R.S.E., F.L.S., F.Z.S., F.R.A.S.B., Director, Zoological Survey of India, Kaiser Castle, Benares Cantt.
130. PRUTHI, H. S., M.Sc., Ph.D., Imperial Entomologist, Imperial Agricultural Research Institute, New Delhi.
131. QURESHI, MUZAFARUDDIN, Ph.D., Professor of Chemistry, Osmania University, Hyderabad (Deccan).
132. RAJ, B. SUNDARA, Diwan Bahadur, M.A., Ph.D., The Anchorage, Adyar, Madras. (1935).
133. RAMANATHAN, K. R., M.A., D.Sc., Superintending Meteorologist, Meteorological Office, Poona 5.
134. RAMDAS, L. A., M.A., Ph.D., Agricultural Meteorologist, Meteorological Office, Poona 5. (1935).
135. RAMIAH, K., M.B.E., L.Ag., M.Sc. (Cantab.), Dip.Agr. (Cantab.), Geneticist, Institute of Plant Industry, Indore. (1942).
136. RANGASWAMI AYYANGAR, G. N., Rao Bahadur, B.A., I.A.S. (Retd.), 'Anjali', 10/131 Thiruvengadaswami Road, R.S. Puram, Coimbatore.
137. RAO, B. RAMA, M.A., D.I.C., F.G.S., Director, Geological Survey Department, Mysore State, Bangalore.
138. RAO, C. V. HANUMANTHA, M.A., Professor of Mathematics, Panjab University, Lahore.
139. RAO, H. SRINIVASA, M.A., D.Sc., Assistant Superintendent, Zoological Survey of India, Kaiser Castle, Benares Cantt. (1937).
140. RAO, K. RANGADHAMA, D.Sc. (Madras and London), Reader in Physics, Andhra University, Guntur. (1937).
141. RAO, L. RAMA, M.A., F.G.S., Professor of Geology, Central College, Bangalore. (1939).
142. RAY, B. B., D.Sc., Khaira Professor of Physics, Calcutta University, 92 Upper Circular Road, Calcutta. (1935).
143. RAY, J. N., D.Sc., Ph.D., F.I.C., Office of the Director-General, Indian Medical Service, New Delhi. (1935).
144. RAY, SIR P. C., Kt., M.A., Ph.D., D.Sc., F.R.A.S.B., Emeritus Professor of Chemistry, Calcutta University, 92 Upper Circular Road, Calcutta.

145. RAY, P. R., M.A., Khaira Professor of Chemistry, Calcutta University, 92 Upper Circular Road, Calcutta.
146. ROW, LT.-COL. R., M.D., D.Sc., I.M.S. (Hon.), 27 New Marine Lines, Bombay 1.
147. ROY, S. C., M.Sc., D.Sc., F.R.Met.Soc. (Lond.), Director of the Burma Meteorological Service, Rangoon. (1940).
148. ROY, S. K., Ph.D., Professor of Geology, Indian School of Mines, Dhanbad. (1940).
149. SAHA, M. N., D.Sc., F.R.S., F.R.A.S.B., Palit Professor of Physics, Calcutta University, 92 Upper Circular Road, Calcutta.
150. SARKAR, P. B., Dr. és Sc., A.I.C., Lecturer in Chemistry, Calcutta University, 92 Upper Circular Road, Calcutta. (1935).
151. SAVUR, S. R., M.A., L.T., Ph.D., Director, The Observatory, Colaba, Bombay. (1941).
152. SEN, B. M., M.A., M.Sc., I.E.S., Principal, Presidency College, Calcutta.
153. SEN, H. K., M.A., D.Sc., D.I.C., Director, Indian Lac Research Institute, Namkum, Ranchi.
154. SEN, J. M., B.Sc., M.Ed. (Leeds), Dip.Ed. (Oxford), T.D. (London), F.R.G.S., Principal, Krishnagar College, Krishnagar. (1935).
155. SEN, N. R., D.Sc., Ph.D., Ghose Professor of Applied Mathematics, Calcutta University, 92 Upper Circular Road, Calcutta.
156. SENGUPTA, N. N., Ph.D., Professor of Psychology, Lucknow University, Lucknow.
157. SEYMOUR SEWELL, LT.-COL. R. B., C.I.E., M.A., Sc.D., F.R.S., M.R.C.S., L.R.C.P., F.Z.S., F.L.S., Zoological Laboratory, Cambridge University, Cambridge. (1936).
158. SESHADRI, T. R., M.A., Ph.D. (Manchester), Vikrama Deo Professor and Head of the Departments of Chemistry and Chemical Technology, Andhra University. (1942).
159. SHAH, R. C., M.Sc., Ph.D. (Lond.), Professor of Organic Chemistry, Royal Institute of Science, Bombay. (1941).
160. SHARIF, M., D.Sc., Ph.D., Entomologist, Haffkine Institute, Parel, Bombay. (1939).
161. SHORTT, LT.-COL. H. E., C.I.E., M.D., Ch.B., D.T.M. & H., D.Sc., I.M.S., Inspector-General of Civil Hospitals, Assam, Shillong. (1936).
162. SIDDIQI, M. R., M.A., Ph.D., Professor of Mathematics, Osmania University, Hyderabad (Deccan). (1937).
163. SINGH, B. K., M.A., Sc.D., F.I.C., I.E.S., Professor of Chemistry, Allahabad University, Allahabad.
164. SINGH, B. N., M.Sc., D.Sc., Irwin Professor of Agriculture, University Professor of Plant Physiology and Head of the Institute of Agricultural Research, Benares Hindu University. (1941).
165. SINTON, LT.-COL. J. A., V.C., O.B.E., M.D., D.Sc., D.P.H., D.T.M., I.M.S., Malaria Laboratory, Horton Hospital, Epsom, Surrey, England.
166. SIRCAR, A. C., M.A., Ph.D., Professor of Chemistry, Presidency College, Calcutta. (1937).
167. SIRKAR, S. C., D.Sc., Research Assistant to Palit Professor of Physics and Honorary Lecturer, Calcutta University, 92 Upper Circular Road, Calcutta. (1942).
168. SOHONI, V. V., M.Sc., Superintending Meteorologist, India Meteorological Department, New Delhi. (1942).
169. SOKHEY, LT.-COL. S. S., M.A., M.D., D.T.M. & H., I.M.S., Director, Haffkine Institute, Parel, Bombay.
170. SONDHI, V. P., M.B.E., M.Sc., F.G.S., Geologist, Geological Survey of India, Calcutta. (1941).
171. SOPARKAR, M. B., M.D., B.Hy., 117 Khar, Bombay 21. (1937).
172. SPENCER, E., D.Sc., Ph.D., F.I.C., A.R.S.M., M.I.M.M., F.G.S., Consulting Chemist, Bird & Co., Chartered Bank Buildings, Clive Street, Calcutta.
173. SRIVASTAVA, P. L., Rai Sahib, M.A., D.Phil., Reader in Mathematics, Allahabad University, Allahabad. (1935).
174. SUBRAHMANYAN, V., D.Sc., F.I.C., Professor of Biochemistry, Indian Institute of Science, Bangalore.
175. SUR, N. K., D.Sc., Meteorologist, Alipore Observatory, Calcutta. (1938).

176. TAWDE, N. R., M.Sc., Ph.D. (Lond.), Lecturer in Physics, Royal Institute of Science, Bombay. (1942).
177. TAYLOR, MAJOR-GENERAL, SIR JOHN, Kt., C.I.E., D.S.O., M.D., D.P.H., I.M.S., Director, Central Research Institute, Kasauli (Simla Hills).
178. TEMPLE, F. C., (Hony. Col.) A.F. (I.), C.I.E., V.D., A.D.C., 28 Victoria Street, London, S.W.1. (1937).
179. UKIL, A. C., M.B., M.S.P.E., Tuberculosis Research Officer, All-India Institute of Hygiene and Public Health, Calcutta. (1935).
180. VACHELL, E. T., M.A. (Cantab.), F.G.S., F.Inst.P., Senior Geologist (India), Burmah Oil Company, Digboi, Assam. (1942).
181. VENKATARAMAN, K., M.S.Tech., Ph.D., D.Sc., Director, Bombay University Laboratories of Chemical Technology and Textile Chemistry, Bombay. (1939).
182. VENKATARAMAN, SIR T. S., Kt., Diwan Bahadur, B.A., I.A.S., Imperial Sugarcane Specialist (Retd.), Ponnurangam Street, R.S. Puram, Coimbatore.
183. VENKATESACHAR, B., Rao Bahadur, M.A., F.Inst.P., Ambika Vilas, Bull Temple Road, Basavangudi, Bangalore.
184. VIJAYARAGHAVAN, T., Ph.D. (Oxon), Reader in Mathematics, Dacca University, Ramna, Dacca.
185. VISWANATH, B., Rao Bahadur, F.I.C., F.C.S., Director, Imperial Agricultural Research Institute, New Delhi.
186. WADIA, D. N., M.A., B.Sc., F.G.S., F.R.G.S., F.R.A.S.B., Mineralogist to the Ceylon Government, Torrington Square, Colombo.
187. WARE, F., C.I.E., F.R.C.V.S., I.V.S., Animal Husbandry Commissioner with the Government of India, Simla.
188. WEST, W. D., M.A. (Cantab.), Geologist, Geological Survey of India, Indian Museum, Calcutta.
189. WHEELER, T. S., D.Sc., Ph.D., F.R.C.Sc.I., F.I.C., F.Inst.P., M.I.Chem.E., State Chemist, State Laboratory, Upper Merrion St., Dublin, Eire.
190. YAJNIK, N. A., M.A., D.Sc., A.I.C., Professor of Chemistry, Panjab University, Lahore. (1940).

HONORARY FELLOWS.

1. APPLETON, E. V., M.A., D.Sc., F.R.S., Secretary, Department of Scientific and Industrial Research of Great Britain, London.
2. BAILEY, E. B., F.R.S., Director-General, Geological Survey of Great Britain, Exhibition Road, South Kensington, London, S.W. 7.
3. BOHR, NIELS, N.L., 15 Blegdamsvej, Copenhagen.
4. BOWER, F. O., Sc.D. (Cantab.), LL.D., F.R.S., Emeritus Professor of Botany, Glasgow University, 2 The Crescent, Ripon, Yorks.
5. CHRISTOPHERS, SIR RICKARD, Kt., C.I.E., O.B.E., M.B., Brevet-Colonel, I.M.S. (Retd.), 186 Huntingdon Road, Cambridge.
6. DIELS, LUDWIG, Director-General of the Botanical Garden and Museum, 7 Königin Luise Strasse, Berlin-Dahlem, Germany.
7. DONNAN, F. G., F.R.S., Formerly Director, Sir William Ramsay Laboratory, University College, 23 Woburn Square, London, W.C. 1.
8. EDDINGTON, SIR ARTHUR, D.Sc., LL.D., F.R.S., Plumian Professor of Astronomy and Experimental Philosophy, Cambridge University, Cambridge.
9. EDMUNDS, CHARLES W., A.B., M.D., Professor of Pharmacology and Therapeutics, University of Michigan Medical School, Ann Arbor, Michigan, U.S.A.
10. EINSTEIN, ALBERT, N.L., Princeton University, New Jersey, U.S.A.
11. FISHER, R. A., Sc.D., F.R.S., Galton Professor in the University of London.
12. GOODRICH, E. S., M.A., D.Sc., F.R.S., Linacre Professor of Zoology and Comparative Anatomy, University Museum, Oxford.
13. GREENWOOD, MAJOR M., D.Sc., F.R.C.P., F.R.S., Professor of Epidemiology and Vital Statistics, London School of Tropical Medicine and Hygiene.
14. HOLLAND, SIR THOMAS H., K.C.S.I., K.C.I.E., D.Sc., F.R.S., Principal of the University of Edinburgh.

15. HOPKINS, SIR FREDERICK GOWLAND, Kt., M.A., D.Sc., N.L., F.R.S., Sir William Dunn Professor of Biochemistry in the University of Cambridge.
16. KEITH, SIR ARTHUR B., M.D., F.R.C.S., LL.D., F.R.S., Buckston Browne Farm, Downe, Farnborough, Kent, England.
17. LAWRENCE, E. O., Radiation Laboratory, California University, Berkeley, U.S.A.
18. MARSHALL, SIR GUY A. K., C.M.G., F.R.S., Director, Imperial Institute of Entomology, London.
19. ROBINSON, SIR ROBERT, D.Sc., F.R.S., Waynflete Professor of Organic Chemistry in the Dyson Perrins Laboratory, Oxford University.
20. RUSSELL, SIR E. JOHN, D.Sc., F.R.S., Director, Rothamsted Agricultural Experimental Station, Harpenden, Herts, England.
21. SHERRINGTON, SIR CHARLES S., O.M., G.B.E., N.L., F.R.S., Formerly Waynflete Professor of Physiology in the University of Oxford, Broomside, Valley Road, Ipswich, England.
22. WENYON, C. M., C.M.G., C.B.E., F.R.S., Director-in-chief, Welcome Bureau of Scientific Research, 183 Euston Road, London, N.W. 1.

APPENDIX II.

ABSTRACT PROCEEDINGS OF THE COUNCIL, 1942.

[*Note.*—These abstracts of the proceedings of the Council relate to questions dealt with which are likely to be of interest to Fellows. Routine matters and matters which are under consideration are not included.]

1. It was resolved to modify the existing regulations regarding preparation of papers for the *Transactions* and *Proceedings* of the National Institute as follows:—

- (i) Date of publication should be printed directly after the author's name.
- (ii) The word 'Vol.' should be omitted.
- (iii) The Vol. No. in arabic numerals should be printed in bold type.
- (iv) The word 'pp.' should be omitted. (5-3-42)

2. The General Editor placed before the Council a statement showing the payment made to different Associate Editors for collecting abstracts of their sections and the matter printed off. He suggested that it would be better to base the payment on the matter actually received instead of the lump sum paid per subject.

It was resolved, after discussion, to sanction payment at the rate of Rs.3 per printed page per section. If in any section the matter printed exceeds 50 pages, the question of additional remuneration was to be referred to the Council for decision. (15-4-42)

3. After considering the circular letter from the Government of India, Department of Commerce, regarding economy in the use of paper, it was resolved—

- (i) that it was not desirable to discontinue the Institute's *Proceedings* and *Transactions*,
 - (ii) to complete the volumes of *Indian Science Abstracts* for 1938 and 1939 only,
 - (iii) to defer printing of the abstracts for 1940 onwards until after the war, the typewritten copy being kept ready for reference in the National Institute's office, and
 - (iv) to inform the Government of India of the steps taken to economize in the consumption of paper. (5-10-42)
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APPENDIX III.

COMMITTEES, 1943.

SECTIONAL COMMITTEES.

(1) 'Mathematics' Committee for Mathematics, Astronomy and Geodesy:—

	To serve until Dec. 31.
Dr. S. K. Banerji (Secretary and Convener)	1943.
Prof. V. V. Narlikar	1943.
Principal B. M. Sen	1944.
Prof. P. C. Mahalanobis	1944.
Prof. C. V. Hanumantha Rao	1945.
Prof. N. R. Sen	1945.

(2) 'Physics' Committee for Physics and Meteorology:—

Prof. P. K. Kichlu	1943.
Prof. B. B. Ray	1943.
Dr. N. K. Sur	1944.
Dr. D. S. Kothari	1944.
Prof. S. K. Mitra (Secretary and Convener)	1945.
Dr. K. R. Ramanathan	1945.

(3) 'Chemistry' Committee for Pure and Applied Chemistry:—

Dr. K. Venkataraman	1943.
Prof. M. Qureshi	1943.
Dr. J. K. Basu	1944.
Prof. B. C. Guha	1944.
Prof. J. N. Mukherjee (Secretary and Convener)	1945.
Prof. K. G. Naik	1945.

(4) 'Engineering Sciences' Committee for Engineering, Metallurgy, Electro-technics and kindred subjects:—

Dr. F. G. Percival (Secretary and Convener)	1943.
Mr. W. C. Ash	1943.
Dr. Gilbert Fowler	1944.
Mr. D. Hendry	1944.
Principal H. P. Philpot	1945.
Dr. N. K. Bose	1945.

(5) 'Geology' Committee for Geology, Palæontology, Mineralogy and Geography:—

Mr. D. N. Wadia	1943.
Mr. E. S. Pinfold	1943.
Dr. M. S. Krishnan	1944.
Mr. J. B. Auden (Secretary and Convener)	1944.
Mr. B. Rama Rao	1945.
Mr. V. P. Sondhi	1945.

(6) 'Botany' Committee for Pure and Applied Botany, Forestry and Agronomy:—

Principal P. Parija (Secretary and Convener)	1943.
Prof. S. R. Bose	1943.
Prof. S. P. Agharkar	1944.
Rao Bahadur G. N. Rangaswami Ayyangar	1944.
Prof. S. L. Ajrekar	1945.
Dr. A. C. Joshi	1945.

(7) 'Zoology' Committee for Pure and Applied Zoology and Anthropology including Ethnology:—

					To serve until Dec. 31.
Dr. B. S. Guha	..	..	..	..	1943.
Dr. H. S. Pruthi	..	..	..	..	1943.
Khan Bahadur M. Afzal Husain	..	..	..	..	1944.
Prof. R. Gopala Aiyar	..	..	..	..	1944.
Prof. G. S. Ghurye	..	..	..	..	1945.
Dr. S. L. Hora (Secretary and Convener)	..	..	..	..	1945.

(8) 'Physiology' Committee for Animal Physiology, Pathology, Bacteriology, Psychology and other Medical and Veterinary subjects:—

Sir U. N. Brahmachari	..	..	..	..	1943.
Major-General J. Taylor	..	..	..	..	1943.
Dr. K. N. Bagehi	..	..	..	..	1943.
Mr. F. Ware	..	..	..	..	1944.
Lt.-Col. S. S. Sokhey	..	..	..	..	1944.
Prof. N. N. Sen Gupta	..	..	..	..	1944.
Dr. B. B. Dikshit	..	..	..	..	1945.
Dr. K. V. Krishnan	..	..	..	..	1945.
Dr. A. C. Ukil (Secretary and Convener)	..	..	..	..	1945.

APPENDIX IV.

THE NATIONAL INSTITUTE OF SCIENCES OF INDIA.

Receipts and Payments Account for the year ended 30th November, 1942.

	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
RECEIPTS.									
To Balance brought forward	51,333	6	7	..	..	..
Members' Admission Fees	160	0	0	..	..	..
Subscriptions	6,159	13	0	..	..	..
Subscriptions in advance	18	6	0	..	..	..
Contributions towards publication of 'Indian Science Abstracts'	50	0	0	..	..	..
Sale of Authors' extra copies and publications	256	0	0	..	..	..
Interest on Investments	1,627	11	0	..	..	..
Grants-in-aid—
Government of India	6,000	0	0	..	..	..
Universities	1,000	0	0	..	..	..
Grants towards publication of Papers	7,000	0	0	..	..	..
Miscellaneous Receipts	500	0	0	..	..	..
	5	4	0	..	..	..
PAYMENTS.									
By Salaries of Staff
Printing Circulars, Notices, etc.
Publications, Reports, etc.
Contributions to other Science Academies under Rule 19
Honoraria, etc. for preparing Abstracts for 'Indian Science Abstracts'
Postage
Stationery
Audit Fee
Travelling
Rent of Office
A.R.P. Expenses
Miscellaneous Expenses
Bank Charges
Cash and Other Balances—
Investments—
3½% G.P. Notes 1842/43	5,000	..	..	..	..	..
3½% " 1854/55	2,000	..	..	..	..	..
3½% " 1865	6,000	..	..	..	..	..
3½% " 1879	2,000	..	..	..	..	..
3½% " 1900/01	8,000	..	..	..	..	..
4% Loan 1960/70	17,000	..	..	..	..	..
	40,000	..	..	..	..	..

At cost 40,786 13 10

With Imperial Bank of India—

Rs. A. P.

On Savings Bank

Account .. 5,757 4 0

On Current Account 8,383 8 6

14,140 12 6

In hand 1 0 6

54,928 10 10

TOTAL 67,110 8 7

Examined with the Books and Vouchers and found in accordance therewith.

PRICE, WATERHOUSE, PEAT & CO.

Chartered Accountants,

Registered Accountants.

Auditors.

CALCUTTA,
9th December, 1942.

APPENDIX V.

Statement showing the Donations, Compounding Fees received and Investments up to the end of 1942.

	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.
Donations—								
*Mr. D. N. Wadia	1,000	0	0	0	5,000	0	0	
Burmah Oil Co., Ltd. ..	15,000	0	0	0	2,000	0	0	
C.P. Manganes Ore Co., Ltd.	10,000	0	0	0	6,000	0	0	
Indian Science Congress 1935 Session—					2,000	0	0	
Local Committee, Calcutta ..	1,304	0	6	0	8,000	0	0	
Nagpur University ..	100	0	0	0	17,000	0	0	
Indian Copper Corporation Ltd.	1,000	0	0	0	40,000	0	0	
Dr. S. C. Law ..	2,000	0	0	0	At cost	40,786	13	10
Tata Iron & Steel Co., Ltd.	5,000	0	0	0	..	1,000	0	0
H.H. the Maharaja Holkar of Indore ..	2,000	0	0	0	..	3,275	0	8
Organisers of Bombay Meeting of the Institute, 1938	50	14	0	0	..	..	..	..
Compounding Fees .. ..	..	..	..	37,454	14	6	..	..
Admission Fees .. ..	..	..	..	855	0	0	..	..
TOTAL .. ..	..	..	..	6,752	0	0	TOTAL	45,061 14 6
								45,061 14 6

* For purchasing furniture for the office.

† The amount of Rs.5,757-4-0 in the Savings Bank Account (vide Appendix IV) includes Rs.3,275-0-8 on account of Permanent Fund besides Rs.2,482-3-4 from Current Account.

APPENDIX VI.

BUDGET ESTIMATES.

	1941-42 Estimates.	1941-42 Actuals.	1942-43 Estimates.
	Rs.	Rs.	Rs.
<i>Ordinary Receipts.</i>			
Subscriptions	5,500	6,178	6,400
Interest	1,500	1,628	1,650
Contributions towards publication of 'Indian Science Abstracts' ..	100	50	50
Sale of publications including 'Indian Science Abstracts'	500	256	200
Grants-in-aid from Universities ..	1,000	1,000	1,000
Grants-in-aid from Government of India	7,000	6,000	6,000
Grants towards publication of papers ..	..	500	..
Miscellaneous Receipts .. .. .	..	5	..
Contributions from Opening Balance ..	3,800	..	2,725
	<u>19,400</u>	<u>15,617</u>	<u>18,025</u>
<i>Extraordinary Receipts.</i>			
Admission Fees	320	160	416
<i>Ordinary Payments.</i>			
Salaries and Allowances	3,300	2,472	2,000
Publications other than 'Indian Science Abstracts' and Circulars	12,000	6,749	7,000
*Publication of 'Indian Science Abstracts' }	..	..	5,000†
Honoraria, etc. for preparing abstracts for 'Indian Science Abstracts'	1,000	250	1,000
Contributions to co-operating Academies under Rule 19	1,200	1,104	1,200
Postage	600	393	600
Stationery	150	85	100
Audit Fee	50	50	50
Travelling	400	250	250
Office Rent	600	600	600
A.R.P. Expenses .. .. .	..	75	75
Miscellaneous Expenses (including Bank charges)	100	154	150
Balance credited to General Fund ..	..	3,435	..
	<u>19,400</u>	<u>15,617</u>	<u>18,025</u>
<i>Extraordinary Payments.</i>			
Funding of Admission Fees	320	160	416

* Additional provision has been made to cover the increased cost of paper and publications.

† This sum is set apart for completing 'Indian Science Abstracts' for 1938 and 1939.