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- Mohan, S.R. : The degeneracy subgraph of Lemke's complementary pivot algorithm and an anticycling rule, *15th International Symposium on Mathematical Programming*, Ann Arbor, Michigan, 1994.
- Neogy, S.K. : Solution rays and the generalized linear complementarity problem, *27th Convention of ORSI*, Calcutta, 1994.
- Pandey, R.J. : Bench marking and scope of statistical methods, *25th Annual Convention of Indian Association for Quality, Productivity, and Reliability*, Calcutta, 1994.
- Sarkar, N.R. : Quality movement and statistical techniques, *20th Conference of Gujrat Statistical Association*, Ahmedabad, 1994.

Library, Documentation and Information Sciences Division

Bangalore

- Meera, B.M and Bekkel, Rahel : Computer assisted instruction for classification, *28th DRTC Annual Seminar*, CD, 159-174, 1994.

Part II. Visiting Scientists, Honours and Awards, Scientific Tours and Assignments

8. VISITING SCIENTISTS

A number of distinguished scientists from abroad and India participated in the research, training and other scientific activities of the Institute during the year. Some of them came to the Institute on invitation and spent fairly long periods in the Institute to assist in the regular research and teaching programmes, while others came for short periods and gave lectures and seminars. Most of them were available for consultation by the faculty members of the Institute. Names of the Visiting Scientists are indicated below :

1. Agboyege, Terence, Hunter College of the City University of New York, USA, December 27, 1994 - January 27, 1995, Planning Unit, Delhi.
2. Arumugam, S., Manonmaniam Sunderanar University, Tirunelveli, September 1994, Stat-Math. Unit, Calcutta.
3. Badrinath, Ravija, University of North Carolina, Wilmington, USA, July - December, 1994, Applied Statistics, Surveys and Computing Division, Calcutta.
4. Bagh, Somaath, Sambalpur University, India, July 1994, Stat-Math. Unit, Calcutta.
5. Basak, Indrani, Pennsylvania State University, Altoona Campus, USA, September - December, 1994, Applied Statistics, Surveys and Computing Division, Calcutta.
6. Basak, Prasanta, Pennsylvania State University, Altoona Campus, USA, September - December, 1994, Applied Statistics, Surveys and Computing Division, Calcutta.
7. Bekele, Rahel, Lecturer, School of Information Science of Africa, Addis Ababa, Ethiopia, 29 July - 19 September 1994, Indian Statistical Institute, Bangalore.
8. Ben-Israel, Adi, Rutgers University, New Brunswick, USA, March 1995, Stat-Math. Unit, Bangalore.
9. Blaikie Piers, University of East Anglia, U.K., 1-12 July 1994, Agricultural Sciences Unit, Calcutta.
10. Borgers, Tilman, University College London, December 10, 1994 - January 10, 1995, Planning Unit, Delhi.
11. Bose, Amitava, Indian Institute of Management, Calcutta, Economic Research Unit, Calcutta.
12. Bose, N.K., Department of Electrical and Computer Engineering, Pennsylvania State University, Machine Intelligence Unit, Calcutta.
13. Chakrabarti, A., Department of Mathematics, Indian Institute of Science, Bangalore, 25 January - 5 February 1995, Physics and Applied Mathematics Unit, Calcutta.
14. Chakraborty, Ranajit, Genetics Centres, University of Texas, Houston, USA, December 1994 - January 1995, Anthropometry and Human Genetics Unit, Calcutta.
15. Chakravarti, Aravinda, Department of Genetics, Case Western Reserve University, Cleveland, Ohio, USA, November 1994, Anthropometry and Human Genetics Unit, Calcutta.
16. Chatterjee, Sankar, Horn Professor, Texas Tech University, Lubbock, Texas, USA, February 1995, Geological Studies Unit, Calcutta.
17. Dawid, Alexander Philip, University College London, England, January 1995, Stat-Math. Unit, Calcutta.

18. Dean, Judith M., Johns Hopkins University, November, 14 - December, 17 1994, Planning Unit, Delhi.
19. Dharmadhikari, A.D., University of Poona, May 1994, Stat-Math. Unit, Calcutta.
20. Dodson, Peter, Adjunct Prof. of Geology, Dinosaur Palaeobiologist, Department of Animal Biology, School of Veterinary Medicine, Philadelphia, USA, 8-10 February 1995, Geological Studies Unit, Calcutta.
21. Eaves, David, Simon Fraser University, Canada, March 1995, Stat-Math. Unit, Bangalore.
22. Egghe, Loo, LUC, Diepenbeek, Belgium, April 12 - 15 1994, DRTC, Bangalore.
23. Fukuda, Shuichi, Department of Management Engineering, Tokyo Metropolitan Institute of Technology, Japan, Machine Intelligence Unit, Calcutta.
24. Gangoli, R. University of Washington, Seattle, USA, February 1995, Stat-Math. Unit, Bangalore.
25. Groenboom, P., Delft Institute of Science and Technology, The Netherlands, January 1995, Stat-Math. Unit, Calcutta.
26. Halli, Shiva S., University of Manitoba, Canada, May 1994 - March 1995, Economic Analysis Unit, Bangalore.
27. Hauser, Kai, University of California, Berkeley, USA, January 1995, Stat-Math. Unit, Calcutta.
28. Hood, William, Lecturer, School of Information Library & Archive Studies at University on New South Wales, Australia, 7 November 1994, DRTC, Bangalore.
29. Jammalamadaka, S.R., University of California, Santa Barbara, USA, December 1994, Stat-Math. Unit, Calcutta.
30. Kemp, T.S., the Principal Curator of the Oxford University Museum, England, 30 - 16 January 1995, Geological Studies Unit, Calcutta.
31. Krause, David W., Department of Anatomical Sciences, Vertebrate Palaeontology, Montana State University, USA, 8 - 10 February 1995, Geological Studies Unit, Calcutta.
32. Krishna, K.L., Delhi School of Economics, Delhi, 30 June 1994, Economic Analysis Unit, Bangalore.
33. Krishnan, Uma, India, October 1994 - January 1995, Stat-Math. Unit, Bangalore.
34. Kundu, S., Department of Computer Science, Louisiana State University, U.S.A., June 28, 1994 - August 19, 1994, Machine Intelligence Unit, Calcutta.
35. Majumdar, Suman, University of California, Santa Barbara, USA, July 1994, Stat-Math. Unit, Calcutta.
36. Malik, S.L., Department of Anthropology, University of Delhi, India, March 1995, Anthropometry and Human Genetics Unit, Calcutta.
37. Mathew, T., University of Maryland Baltimore County, USA, January 1995, Stat-Math. Unit, Bangalore.
38. Mehta, Mahendra S., City Bank, Bombay, Machine Intelligence Unit, Calcutta.
39. Mohari, Anilesh, University of Rome, Italy, August 1994 - November 1994, Stat-Math. Unit, Calcutta.

40. Mukherjee, Anindita, George Washington University, Washington DC, USA, August-October 1994, Economic Research Unit, Calcutta.
41. Mukherjee, K., Indian Statistical Institute, Calcutta, December 1994, Stat-Math. Unit, Bangalore.
42. Mukherjee, Ramkrishna, National Fellow of Indian Council of Social Science Research, New Delhi, November 1993 - October 1994, Sociological Research Unit, Calcutta.
43. Muller, Peter, Duke University, Durham, USA, December 1994, Stat-Math. Unit, Bangalore.
44. Mulvihill, John J., Director, Pittsburg Genetics Institute, Pittsburgh, USA, 4 November 1994, Anthropometry and Human Genetics Unit, Calcutta.
45. Muraloedharan, T.K., India, September 1994, Stat-Math. Unit, Bangalore.
46. Muruganandam, V., Pondicherry University, October 1994, Stat-Math. Unit, Bangalore.
47. Nanthakumar, A., University of Tennessee at Martin, USA, June - July, 1994, Applied Statistics, Surveys and Computing Division, Calcutta.
48. Nara, T., Tokyo University of Asian Studies, August, 1994, Computer Vision and Pattern Recognition Unit, Calcutta.
49. Neelakantan, L, Canada, September 1994, Stat-Math. Unit, Bangalore.
50. Pal, Nabendu, University of Southern Louisiana, USA, July 1994, Stat-Math. Unit, Calcutta.
51. Pal, S.R., University of Windsor, Canada, February 1995, Stat-Math. Unit, Calcutta.
52. Patil, Prakash N., Australian National University, Australia, November 1994, Stat-Math. Unit, Calcutta.
53. Pisier, Gilles, Texas A & M University and University Paris, January 1995, Stat-Math. Unit, Bangalore.
54. Prasad, Manjunath, India, May 1994 - August 1994, Stat-Math. Unit, Bangalore.
55. Radha, R., Institute of Math Sciences, Madras, January 1995, Stat-Math. Unit, Bangalore.
56. Ramamoorthy, R.V., Michigan State University, USA, April - May 1994, Stat-Math. Unit, Calcutta.
57. Rao, C.R., The Pennsylvania State University, USA, December 1994 - January 1995, Stat-Math. Unit, Calcutta.
58. Rao, Gauranga, Dalhousie University, Canada, 30 June 1994, Economic Analysis Unit, Bangalore.
59. Ray, Indrajit, Eitan Berglas School of Economics, Israel, 15 August - 10 September 1994., Economic Research Unit, Calcutta.
60. Rodenacker, Karsten, GSF Institute of Munich, Germany, March 01 - 12, 1995, Computer Vision and Pattern Recognition Unit, Calcutta.
61. Rousseau, R., LUC, Diepenbeek, Belgium, April 12 - 15, 1994, DRTC, Bangalore.
62. Roy, Santanu, Erasmus University, Netherlands, July 1994, Economic Research Unit, Calcutta.
63. Sahu, Sujit, University of Cambridge, UK, September 1994, Stat-Math. Unit, Calcutta.

64. Sambhavi Lakshminarayn, January - March 1995, SQC and OR Unit, Delhi.
65. Sarbadhikari, S.N., School of Biomedical Engineering, BHU, Machine Intelligence Unit, Calcutta.
66. Sarkar, Subrata, IGIDR, Bombay, December, 23 - January 27, 1995, Planning Unit, Delhi.
67. Sen, Kasturi, London School of Hygiene and Tropical Medicine, London, February 18 - 27, 1994, Population Studies Unit, Calcutta.
68. Shil, Rabindranath, University of Chittagong, Bangladesh, September 1994, Stat-Math. Unit, Calcutta.
69. Shukla R.P., Mehta Research Institute, India, August 1994, Stat-Math. Unit, Bangalore .
70. Sute, W., Justus-Liebig University, Germany, January 1995, Stat-Math. Unit, Calcutta.
71. Subramanian, A., Centre for Development Studies, Trivandrum, May 30 - 2 June 1994, Economic Analysis Unit, Bangalore.
72. Suresh Babu, M., Centre for Development Studies, Trivandrum, 30 May - 2 June 1994, Economic Analysis Unit, Bangalore.
73. Suresh, R.P., University of Poona, February - March 1995, Stat-Math. Unit, Calcutta.
74. Thompson, J., England, July 1994, 4 August 1994, Stat-Math. Unit, Bangalore.
75. Vijayajan, A.K., India, May 1994 - December 1994, Stat-Math. Unit, Bangalore.
76. Yor, Mark, University of Paris, France, November - December 1994, Stat-Math. Unit, Calcutta.
77. Zielinski, Ryszard, Polish Academy of Sciences, Poland, February 1995, Stat-Math. Unit, Calcutta.

9. HONOURS, AWARDS AND SPECIAL ASSIGNMENTS

Chaudhuri, Probal (Stat-Math, Calcutta) was selected as a Young Associate of the Indian Academy of Sciences (Bangalore) for the period 1994-98.

Dasgupta, Somesh (Stat-Math, Calcutta) acted as a member of (i) an Expert Committee to review CSIR-UGC NET, Govt. of India, (ii) Sectional Committee(I), INSA, New Delhi, (iii) Executive Council, West Bengal Academy of Science & Technology and (iv) Editorial Board, Journal of Pure and Applied Mathematics, INSA, New Delhi. He was also the President, Statistics Section of the Indian Science Congress, 1995.

Rao, S.B. (Stat-Math, Calcutta) acted as the Regional Co-ordinator for Mathematical Olympiad 1994 of NBHM and INMO for 1995. He was a member (i) Editorial Board, J. Ramanujan Mathematical Society, 1995 and (ii) Editorial Board, J. Orissa Mathematical Society, 1995.

Rao, T.J. (Stat-Math, Calcutta) was a member (i) Governing Council, National Sample Survey Organization, Govt. of India and (ii) International Statistical Institute, Netherlands. He continues as Co-editor and Managing Editor of Sankhya, Ser. B.

Sinha, Bikas K. (Stat-Math, Calcutta) was elected Fellow, West Bengal Academy of Science and Technology.

Parthasarathy, T. (Stat-Math, Delhi) was elected a Fellow of the Indian National Science Academy.

Rao, B.L.S. Prakasa (Stat-Math, Delhi) was elected President, Statistics Section of the 83rd Indian Science Congress. He was also the Chairman, Bhatnagar Award Committee for Mathematics (1992-1994).

Sengupta, Ashis (Applied Statistics, Surveys and Computing) was elected a member of the Executive Council of Indian Society for Probability and Statistics, 1994-96.

Bhattacharya, Ujjwal (Computer Vision and Pattern Recognition) received the Young Scientist Award in Computer Science at the Indian Science Congress held at Calcutta in January, 1995.

Chaudhuri, B.B. (Computer Vision and Pattern Recognition) was elected a (i) Fellow of National Academy of Sciences, (ii) Fellow of West Bengal Academy of Sciences and Technology. He was also appointed (i) Member, Editorial Board of the Journal Pattern Recognition, (ii) Member, Editorial Board of the journal Vivck.

Chakraborty, T. (Geological Studies Unit) was awarded the prestigious "H.C. Dasgupta Memorial Medal, 1994" by the Geological, Mining and Metallurgical Society of India, Calcutta, for the best paper in their journal in 1994.

Deb, S. (Machine Intelligence Unit) was invited to act as a Guest Editor for Special Issues for the journals IEEE Robotics and Automation and IEEE Computer.

Pal, S.K. (Machine Intelligence Unit) has been elected a Fellow of the Indian National Academy of Engineering (FNAE) in 1995. He is an associate editor of the journals IEEE Trans. on Neural Networks, Pattern Recognition Letters, Neuro-Computing, Far-East Journal of Mathematical Sciences, Information Sciences Journal (Section C, Applications) and Applied Intelligence. He is also an Executive Advisory Editor of IEEE Trans. on Fuzzy Systems and International Journal of Approximate Reasoning and also a member in the Reviewing Board of Mathematical Reviews (American Mathematical Society) and the IEEE Computer Magazine. He and S. Mitra received the IEEE TNN Outstanding paper Award of 1994 for their paper entitled "Multilayer perceptron, Fuzzy sets and classification".

Pal, N.R. (Machine Intelligence Unit) has been continuing as an Associate Editor of Int. J. Approximate Reasoning and IEEE Trans. on Fuzzy Systems. He also acted, on invitation, as a Guest Editor for a Special Issue of International Journal of Uncertainty, Fuzziness and Knowledge Based Systems.

Bandyopadhyay, P. (Physics and Applied Mathematics Unit) has been appointed honorary Professor at Istituto La Ricerca Di Basic, Molise, Italy and also has been acting as the Editor of Theoretical Physics at Hadronic Journal and Supplement.

Roy, S. (Physics and Applied Mathematics Unit) has been appointed a member of the International Organising Committee for the International Conference to be held at York University, Toronto, Canada during August 27 - 30, 1995.

Basu, Amitabha (Anthropometry and Human Genetics Unit) has been awarded Panchanan Mitra Memorial Lectureship 1994 : The Asiatic Society, Calcutta. He is a member of Editorial Board, Journal of Human Ecology, Indian Society of Human Ecology, Delhi and an external member of Editorial Board, Vidyasagar University Journal of Biological Sciences, Vidyasagar University, Midnapore, West Bengal.

Bhargava, P. (Anthropometry and Human Genetics Unit) has been elected an active member of the New York Academy of Sciences. He has also been selected as International Man of the Year, 1993-94 by the International Biographical Centre, Cambridge, England.

Gupta, Ranjan (Anthropometry and Human Genetics Unit) has been elected Member, Editorial Advisory Committee, Journal of Human Ecology, New Delhi.

Maihotra, K.C. (Anthropometry and Human Genetics Unit) delivered Platinum Jubilee lecture, 82 Session of Indian Science Congress, Calcutta, 5 January 1995 and key note address at International Conference on Participatory Forest Management, Calcutta, 5 - 7 December 1994.

Ganguly, B.B. (Biochemistry Unit) received an award for the best demonstration of her paper entitled "Exfoliated nuclear damage in Khaini users (male)" in the poster session on prevention and control, in XVI International Cancer Congress held in New Delhi, October-November, 1994.

Guha Roy, S. (Population Studies Unit) was nominated an expert on development of IDH Statistics by the United Nations Statistical Division.

Chakrabarti, Prafulla (Sociological Research Unit) was awarded a medal by the Dhaka University at a Special Felicitation.

Dasgupta, Ais (Sociological Research Unit) became a member of (i) Advisory Committee of State Archaeology Directorate, Government of West Bengal, (ii) Advisory Committee of State Archives, Government of West Bengal, (iii) State Gazetteers Advisory Committee, Government of West Bengal and (iv) Governing Body of Netaji Institute for Asian Studies, Government of West Bengal.

Krishnamurthy, C.Y., Majumdar, B., Pandey, R.J. and Date, K.M. (Statistical Quality Control and Operations Research, Calcutta) acted as members of the evaluation committee for selection of the industries for the Rajiv Gandhi National Quality award for the year 1993.

Gopinath, M.A. (Documentation Research and Training Centre, Bangalore) was conferred the Fellowship of Society of Information Sciences by the All India Society of Information Sciences, New Delhi.

10. SCIENTIFIC TOURS AND ASSIGNMENTS ABROAD

Chaudhuri, Probal (Stat-Math, Calcutta) was a Visiting Faculty at the Division of Statistics, University of California-Davis during January - March 1995. He also visited the Statistics Department of Univ. of Washington, Seattle, Univ. of California, Berkeley and Rutgers University and the Statistics & Econometrics Group at Bell Comm. Research (BELLCORE) and gave seminars.

Ghosh, J.K. (Stat-Math, Calcutta) visited Purdue University, USA during June - December 1994. He also attended Valencia Conference in Spain in June 1994 and inaugurated the Conference on Long Term Perspectives in statistics in September 1994 in The Netherlands.

Sengupta, D. (Stat-Math, Calcutta) visited the center for Mathematics and its Applications, Australian National University, Canberra during May - July 1994.

Sinha, Bikas K. (Stat-Math, Calcutta) visited (i) Slovakia and attended PROBASTAT 94 Conference during May 30 - June 02, 1994, (ii) Economic University of Vienna and delivered an invited talk during June 3-5, 1994, (iii) University of Augsburg, Germany for collaborative research work during June 6-12, 1994, (iv) University of Tampere, Finland for collaborative research work during June 13-25, 1994, (v) University of New Brunswick, Canada for collaborative research work during June 26-30, 1994, (vi) University of Waterloo, Canada for collaborative research work during July 1 - August 15, 1994.

Srivastava, S.M. (Stat-Math, Calcutta) visited (i) Osaka City University from October 25 to November 1, 1994 and California Institute of Technology from November 3 to December 2, 1994, (ii) University of California at Los-Angeles, Irvine and Berkeley to attend seminars. He also gave invited talks at the University of Tokyo and National University in Singapore.

Bapat, R.B. (Stat-Math, Delhi) visited the Research Institute of Mathematical Sciences, Kyoto University during April 13 - 22, 1994. He delivered seminar talks at Kyoto University, University of Kagawa, University of Okayama and Toyama University. He also visited Department of Mathematics, University of Victoria, B.C., Canada during April 24, 1994 and May 21, 1994.

Bhatia R. (Stat-Math, Delhi) visited for collaborative work (i) University of Toronto, Canada, during April, 1994 and August, 1994, (ii) University of Bielefeld, Germany, during May - June, 1994, (iii) University of Ljubljana, Slovenia, during June - July, 1994 and (iv) The Fields Institute, Canada, during September - December, 1994, as a participant in their special programme on Operator Algebras.

Karandikar, R.L. (Stat-Math, Delhi) visited University of North Carolina, Chapel Hill during June - July 1994. He delivered an invited talk at the Conference on Filtering theory held there.

Parthasarathy, K.R. (Stat-Math, Delhi) attended and delivered talks at (i) a conference on Quantum Probability at C.I.R.M., France, during June 20-24, 1994, (ii) a conference on Quantum Communication and Measurement at Nottingham University, England, during July 11-16, 1994, (iii) International Congress of Mathematicians at E.T.H., Zurich, Switzerland, during August 3-11, 1994.

Parthasarathy, T. (Stat-Math, Delhi) visited Monash University during July, 1994 and Curtin University during August 1-10, 1994 and delivered lectures on Linear Complementarity Problem. He also visited Michigan State University, U.S.A. during August 13-20, 1994 and attended the Mathematical Programming Symposium at Rochester University during August 23 - September, 1, 1994, and delivered lectures on Stochastic Games and the Jacobian Conjecture.

Roy, Rahul (Stat-Math, Delhi) attended the International Congress of Mathematicians at E.T.H., Zurich, Switzerland, during August 3-11, 1994.

Sinha, K.B. (Stat-Math, Delhi) visited the Research Institute of Mathematical Sciences, Kyoto University, Japan during January 1, - April 8, 1995.

Misra, G. (Stat-Math, Bangalore) was a visiting Faculty at the State University of New York during June - August 1994.

Patil, V. (Stat-Math, Bangalore) visited the Max-Planck-Institute, Bonn, in June 1994. He gave some lectures in the Arithmetic Geometry workshop held at the Middle East, Technical University, Ankara, Turkey during June 1994.

Rama Murthy, K. (Stat-Math, Bangalore) was a visiting Faculty at the University of Tennessee till August 1994.

Rao, K.P.S. Bhaskara (Stat-Math, Bangalore) was a visiting Faculty at Wesleyan University during April 1994. He gave an invited talk at the 6th meeting on Real Analysis and Measure Theory held at Ischia, Italy during July 1994.

Rao, T.S.S.R.K. (Stat-Math, Bangalore) was an invited speaker at international conferences on (i) Function spaces, (ii) On the interaction between Functional Analysis, Harmonic Analysis and Probability Theory held at Edwardsville and Columbia, U.S.A. during May 1994. He was a visiting faculty at the University of Michigan during the Summer term of 1994.

Sunder, V.S. (Stat-Math, Bangalore) was on a visit to the Research Institute for Mathematical Sciences, Kyoto, Japan.

Thangavelu, S. (Stat-Math, Bangalore) visited the Brock University, Canada and Cornell University, USA, during July - August 1994.

Chaudhuri, Arijit, (Applied Statistics, Surveys and Computing) worked in the University of Mannheim, Germany, as a visiting Professor during June 1 - September 26, 1994.

Krishnan, T. (Applied Statistics, Surveys and Computing) visited Japan at the invitation of Research Association of Statistical Sciences during May 25 - June 9, 1994. He attended the Kitagawa Symposium on Informatics and Cybernetics, Fukuoka, Kyushu University, during 26 - 27 May, 1994 and presented an invited paper on "EM algorithm in Medical Imaging". He also visited Universities of Kyushu, Hiroshima, Osaka, Chiba and the Institute of Statistical Mathematics and gave seminars.

Pal, Amita (Applied Statistics, Surveys and Computing) worked in the area of Bayesian Image Analysis, in particular, object recognition as applied to images of bacterial colonies, at Department of Mathematics, Imperial College of Science, Technology & Medicine, London (England) during 25 April to 27 October, 1994.

Sengupta, Ashis (Applied Statistics, Surveys and Computing) visited University of California, Santa Barbara, USA during April - July 1994. He also visited Louisiana State University Medical Centre, New Orleans, USA during June 1994 and gave an invited lecture on "Some recent advances in classical and Bayesian Inference for Mixture models" at Department of Biometry and Genetics, Louisiana State University, USA.

Chaudhuri, B.B. (Computer Vision and Pattern Recognition Unit) visited GSF Institute, Munich and Deimler-Benz at Ulm and delivered a number of lectures on Biomedical Image Analysis and Document Processing during June 01 - 30, 1994.

Sengupta, P. (Computer Vision and Pattern Recognition Unit) was on a visit to the Institute for Research in Cognitive Science, University of Pennsylvania for four months to work on Natural Language Processing from March 20, 1995.

Dattagupta, Jayasree (Electronics Unit) visited National Chiao Tung University, Taiwan, National Tsing Hua University of Taiwan and Hong Kong University of Science and Technology, Hong Kong. She presented a paper at the International Conference on Parallel and Distributed Processing, Taiwan, December 1994.

Deb, Suash (Machine Intelligence Unit) visited Nanyang Technological University, Singapore to attend the 3rd International Conference on Automation, Robotics and Computer Vision. He organised one invited session & chaired two technical sessions.

Pal, S.K. (Machine Intelligence Unit) visited NASA, Johnson Space Centre, Houston, Texas, USA under National Research Council - NASA Senior Research Award. He delivered invited talks at the (i) Department of Electrical Engineering, University of Houston, Texas, USA, April 5, 1994, (ii) Department of Computer Science, Michigan State University, East Lansing, USA, April 8, 1994, (iii) Department of Electrical Engineering, University of Tennessee, Knoxville, USA, April 11, 1994, (iv) Department of Electrical Engineering, University of California, Santa Barbara, USA, June 10, 1994, (v) Department of Electrical and Electronics Engineering, University of Wales, Swansea, U.K., June 27, 1994, (vi) Department of Computer Science, University College of London, London, UK, June 29, 1994.

Pal, N.R. (Machine Intelligence Unit) visited the University of West Florida, USA during July - December, 1994.

Bandyopadhyay, P. (Physics and Applied Mathematics Unit) was invited to give lectures at the International School of Cosmology and Gravitation on Quantum Gravity at Erice, Italy.

Mukherjee, Soma (Physics and Applied Mathematics Unit) attended the International School of Astrofundamental Physics, Erice Italy. She also visited the International School of Advanced Studies, Trieste, Italy during September 1994.

Roy, S. (Physics and Applied Mathematics Unit) visited the University of Milan, Italy during April 6-20. He also visited the University of Linköping, Department of Computer Vision, Linköping, Sweden during April 21 - 28 1994.

Bagchi, D.K. (Agricultural Sciences Unit) attended "International Rice Research Conference" in Manila during 13-17 February 1995 and presented a paper entitled "Technology adoptions in uncertain rainfall situations, prioritization of items suitable for upland rainfall situation in Bihar plateau".

Basu, Amitabha (Anthropometry and Human Genetics Unit), visited the Institute of Anthropology, University of Florence during 19-27 April, 1994 and was invited to Chair the session on "Ethnicity", I.U.A.E.S. Inter-Congress on Biodemography and Human Evolution.

Majumder Partha P. (Anthropometry and Human Genetics Unit) participated (i) in the Executive Committee meeting of the international Human Genome Diversity Project in London on 16 September 1994, (ii) in the UNESCO-IBC meeting, as a Special Invitee, in Paris during 20-22 September, 1994.

Malhotra, K.C. (Anthropometry and Human Genetics Unit) attended Council meeting of the International Union of Anthropological and Ethnological Sciences, Bangor, UK from 2-4 August 1994. He also visited Dept. of Human Genetics, Newcastle upon Tyne University, UK from 6-7 August and Overseas Development Institute at London on 5 August 1994. He participated as a resource person in the Regional Seminar on Community development and conservations of forest biodiversity through community forestry, organised by RECOFTC, Kasetsart University, Bangkok from 26-28 October 1994 and delivered key note address and presented a paper.

Coondoo, D. (Economic Research Unit) served as UN consultant and taught in Country Courses on Statistical Operations organised by the Statistical Institute for Asia and the Pacific (SIAP), Tokyo in Marshall Islands and Cambodia during 8 March - 6 May 1994.

Mukherjee, Robin (Economic Research Unit) served as UN Consultant and directed and taught in a Country Course on Economic Statistics by the Statistical Institute for Asia and the Pacific (SIAP), Tokyo in Cambodia during 3 - 23 December, 1994.

Rakshit, M. (Economic Research Unit) gave a presentation in a Conference on Macroeconomic Adjustment and Poverty, organised by IDPAD, in Hague in November 1994. He also participated in a seminar on Financial Sector Reforms, organised by ESCAP, Bangkok, in December, 1994.

Sarkar, Abhirup (Economic Research Unit) served as a Visiting Associate Professor in Brigham Young University, U.S.A. during September 1993 - April 1994.

Rao, K. Surekha (Economic Analysis Unit, Bangalore) visited Wesleyan University, Middletown, Connecticut from 17 January 1994 - 18 May 1994.

Dutta, Bhaskar (Planning Unit, Delhi) visited the Centre for Research in Conflict and Negotiation, Pennsylvania State University during April 4 - 30, 1994, in connection with some collaborative research. He also visited the Centre for Economic Research, Tilburg University during May 1 - June 10, 1994.

Mookherjee, Dilip (Planning Unit, Delhi) participated in the Third Annual Asian Development Bank Conference on Development Economics in Manila, November 1994. He also visited (i) the Boston University, USA during January - April, 1995 and (ii) the Income Tax Dept. of Mexico and Spain during May - June 1994 in connection with the work of the IRIS-funded project.

Sen, Arunava (Planning Unit, Delhi) visited the Universidad Carlos III, Madrid Spain, during April - June 1994 in connection with some Collaborative research.

Choudhury, Amitav (Linguistic Research Unit) visited the Lancaster University, York University and the Gujarati Literary Academy, London during 1 - 13 April 1994. He continued a collaborative research programme at the Dept. of Language and Linguistic Science, University of York, on "Language maintenance", with reference to the "Language attitudes of the Gujaratis in Britain".

Guha Roy, S. (Population Studies Unit) attended an Expert Group Meeting on development of IDH Statistics sponsored by the United Nations Statistical Division in Voorburg, The Netherlands during 5 - 12 November 1994.

Chakrabarti, Prafulla (Sociological Research Unit) visited several university departments, research centres in Dhaka, Bangladesh during 18 September - 2 October 1994 and delivered a series of lectures.

Lakshminathan, P.R. (Statistical Quality Control and Operations Research, Calcutta) attended the conference organised by the Israel Society for Quality at Jerusalem during November 14 - November 17, 1994.

Lakshmanan, P. and Gopalan, V. (Statistical Quality Control and Operations Research, Bangalore) attended the Programme on Quality Leadership for Top Management at Stockholm during 6 - 23 June, 1994.

Mohan, S.R. (Statistical Quality Control and Operations Research, Delhi) attended the 15th Mathematical Programming Symposium organised by the Mathematical programming Society at the university of Michigan, Ann Arbor, Michigan, USA during 15 - August 19, 1994. He also visited the department of Mathematics and Statistics, University of Maryland, Baltimore, USA and gave lectures.

Murthy, G.S.R. (Statistical Quality Control and Operations Research, Bangalore) attended the 15th International Symposium on Mathematical Programming held at the University of Michigan, Ann Arbor during 15 - 19 August 1994. He also presented a paper in the Symposium and delivered talks at the University of Maryland, Baltimore and Worcester Polytechnic Institute, Massachusetts, Atlanta.

Pal, B.K. (Statistical Quality Control and Operations Research, Bangalore) was a member of the International Programmes Committee and attended the International Conference on Statistics in Industry, Science and Technology at Tokyo, Japan during 10 - 15 July 1994 and presented an invited talk on "Role of Statistics for Quality and Productivity Improvement in Indian Industry" and also chaired a Technical Session. He also participated in Scientific tours to Fuzi - Xerox, Nissan and NEC, Japan.

Roy Chowdhury, Ashim (Statistical Quality Control and Operations Research, Bangalore) participated in Total Quality Management programme at Stockholm during 15 March 1994 - 12 May 1994.

Ravindran, G. (Statistical Quality Control and Operations Research, Bangalore) attended an International Symposium on Mathematical Programming at University of Michigan, USA during 14 - 19 August 1994. He was also an invited speaker at the International Workshop on Game Theory at University of Illinois at Chicago, USA during 8 - 12 August, 1994.

Gopinath, M.A. (Documentation Research and Training Centre, Bangalore) was invited to present a paper and chair a session for the Third International Conference on Quality and Knowledge Organisation at Royal School of Librarianship at Copenhagen, Denmark. He was also invited by Dept. of Library and Information Science, City University, London, and University of Sheffield during the First week of June 1994.

Ravichandra Rao, I.K. (Documentation Research and Training Centre, Bangalore) was invited by the School of Information Studies of Africa at Addis Ababa University in Ethiopia from 6 - 20 August 1994.

11. SCIENTIFIC ASSIGNMENTS IN INDIA

- Bagchi, S.C. (Stat-Math, Calcutta), gave lectures in the Summer School on Noncommutative Harmonic Analysis, organised by NBHM at I.I.Sc., Bangalore during June 1994 and in the Winter School on Noncommutative Harmonic Analysis, organised by ISI at ISI, Delhi, during December 3 to December 18, 1994.
- Bose, Arup (Stat-Math, Calcutta), visited Dept. of Statistics, University of Pune during March 22 to April 5, 1995. He gave 4 lectures during his stay there.
- Chaudhuri, Probal (Stat-Math, Calcutta), visited Statistics Department of Indian Institute of Technology, Kanpur and gave a seminar there.
- Ghosh, J.K. (Stat-Math, Calcutta), participated in the Indo-US workshop in Pune in December 1994, gave a keynote address during the inauguration and delivered the first technical talk of the workshop. He also participated in the Triennial Conference in Calcutta in January 1995.
- Mukherjee, Amiya (Stat-Math, Calcutta), gave (i) an invited lectures at the UGC sponsored Refresher Course held at Burdwan University during November 9-10, 1994 and (ii) a talk in the National Seminar on "Analysis and Applications" at Burdwan University on December 30, 1994.
- Raha, A.B. (Stat-Math, Calcutta), gave a talk in the National Seminar on 'Analysis and Applications' at Burdwan University on December 29, 1994. He also gave two talks at the UGC sponsored Refresher Course held at Allahabad University during January 11-12, 1995.
- Rao, S.B. (Stat-Math, Calcutta), was the Resource Person in the UGC Refresher Course in "Computer Mathematics" for College Teachers, Sambalpur University, from 16 January 1995 to 22 January 1995 and delivered 6 lectures on "Graph Theory and Applications". He also served as the Resource Person, in the UGC Refresher Course in Applied Mathematics, Burdwan University, Burdwan during February 1995 and delivered 2 lectures on "Graph Theory with applications to some problems of the Society".
- Rao, T.J. (Stat-Math, Calcutta), visited Dept. of Statistics, B.R. Ambedkar Marathwada University, Aurangabad for research collaboration. He also visited Institute of Statistics, Aurangabad for research collaboration.
- Roy, A.K. (Stat-Math, Calcutta), gave invited lectures (i) at the UGC sponsored Refresher Course held at Burdwan University during November 9-10, 1994 and (ii) at the UGC sponsored Refresher Course held at Dibrugarh University during December 20, 1994. He also participated and lectured on invitation at the National Seminar on Analysis and its applications held at Burdwan University during December 29 - 30, 1994.
- Bapat, R.B. (Stat-Math, Delhi), lectured at "Mathematics Training and Talent Search" Summer School, sponsored by NBHM, at I.I.T., Bombay, during May, 23 and June, 17, 1994. He also visited Mehta Research Institute, Allahabad during December, 1994 and delivered lectures at U.G.C. Refresher Course at Sambalpur University in January, 1995.
- Dewan, Isha (Stat-Math, Delhi), visited the Statistics Department, Punjab University, Chandigarh, during May 22 - June 2, 1994.
- Dey Aloke (Stat-Math, Delhi), attended the Second Triennial International Symposium at Calcutta University, during December, 1994 - January, 1995 and delivered an invited talk on 'Construction of Asymmetric Orthogonal Arrays'. He also visited the Department of Statistics, University of Lucknow during March, 1994, to deliver a course of lectures under the COSIST Programme of the U.G.C.

- Kochar, S.C. (Stat-Math, Delhi), delivered an invited talk on (i) 'A Review of Distribution-free Methods for the Equality of Cause Specific Hazard Rates' at the International Workshop on Censored Data, held at Poona University, Pune, during December, 1994 - January, 1995 and (ii) Kolmogorov - Smirnov Type tests for comparing Cumulative Incidence Function and Cause Specific Hazard Rates in the Department of Statistics, Punjab University, Chandigarh in October, 1994.
- Rao, B.L.S. Prakasa (Stat-Math, Delhi), delivered an invited talk on (i) Remarks on Cramer - Rao type integral inequalities for censored data at the International Workshop on Analysis of Censored Data at Poona University, Pune in December, 1994, (ii) Uniform Approximation for Families of Stochastic Integrals at the Second Triennial International Symposium at Calcutta University in January, 1995 and (iii) Generalized Cramer - Rao type Inequalities and their Applications to Linear Models with Elliptically Distributed Errors at the 82nd Session of the Indian Science Congress, Calcutta in January, 1995.
- Delampady, Mohan (Stat-Math, Bangalore) gave talks on (i) Resampling methods (ii) Statistical Computing, at the UGC sponsored workshop at Bangalore University in November 1994.
- Misra, G. (Stat-Math, Bangalore) gave a talk on Schwartz Lemma and bi-holomorphic equivalence at the meeting of the Orissa Mathematical Society.
- Muthuramalingam, P.L. (Stat-Math, Bangalore) participated in the summer workshop organized by the Indian Academy of Sciences at Kodaikanal during August 24 - August 30, 1994 and gave a talk on 'A conjecture for some partial differential operators on $L^p(\mathbb{R}^n)$ '.
- Ramasubramanian, S. (Stat-Math, Bangalore) lectured (i) in the UGC sponsored Refresher course in Statistics at Cochin University of Science and Technology in January 1995, (ii) in the Workshop on Stochastic Calculus held at the University of Mysore in March 1995 and gave a talk on Reflecting diffusions at the Mathematics Department of the IISc.
- Sastry, N.S.N. (Stat-Math, Bangalore) gave an invited talk on Geometries of type F_4 at the fourth Ramanujan Symposium on Algebra and its applications in February 1995.
- Sitaram, A. (Stat-Math, Bangalore) was a visiting Professor at IIT, Kanpur in November 1994 under an NBHM Scheme. He gave a series of lectures (i) on Introduction to Infinitesimal methods in group representations - the case of $SL(2, \mathbb{R})$, (ii), on Introduction to representation theory of the Heisenberg group at the Winter School on Non-commutative Harmonic Analysis. He also gave a talk on "A theorem of Hardy's on Fourier transform pairs and some generalizations" at the mini conference on Harmonic Analysis organised by the Delhi University in December 1994. He also gave a colloquium talk at TIFR, Bangalore on the same topic and (iii) he gave two series of lectures in Summer School on Introduction to Linear Lie groups and Representation theory of Fourier series on $SU(2)$.
- Thangavelu, S. (Stat-Math, Bangalore) gave a course of Lectures (i) on Heisenberg groups and several complex variables at TIFR, Bombay, (ii) on Introduction to Heisenberg groups at the NBHM Summer School held in July 1994, (iii) on Analysis of Heisenberg groups at ISI Winter School held in December 1994. He gave a talk on work of Bourgain (the recent Fields medalist) at TIFR, Bombay in October 1994 and a colloquium talk at the Bangalore Centre of TIFR on "Mean periodic functions on phase space" in November 1994. He also participated in the mini conference on Harmonic Analysis held at the University of Delhi in December 1994 and gave a talk on Harmonic Analysis on Heisenberg groups.
- Bhimasankaram, P. (Applied Statistics, Surveys and Computing) visited C-MMACS, National Aerospace Laboratories, Bangalore, for coordinating editing work of a special volume on "Inversion Methods in Science and Engineering" during 1 - 12 July, 1994.
- Pal Choudhury, P. (Applied Statistics, Surveys and Computing) delivered lectures on (i) "Digital Computer Fundamentals" at a UGC sponsored Refresher Course, Sambalpur University, August, 1994, (ii) "Cellular Automata" at the 2nd UGC sponsored Refresher Course, Sambalpur University, during

- October 20 - 23, 1994 and visited Jadavpur University to give lectures in a course on "Operating Systems" during April - May, 1994.
- Sengupta, Ashis (Applied Statistics, Surveys and Computing) visited Gauhati University during 28 October - 7 November 1994 as a Resource person and gave invited lecture on "Distribution Theory" at a Refresher Course in Statistics - II, conducted at Dept. of Statistics and Academic Staff College, Gauhati. He also acted as Chairman and invited speaker at XV Annual Conference of Indian Society for Probability and Statistics, Tirunelveli, 21 - 23 December, 1994.
- Chandhuri, B.B. (Computer Vision and Pattern Recognition) visited (i) Benaras Hindu University during July 23-25, 1994 and delivered a series of six lectures on Natural Language Processing and Spell-checker Design, (ii) IIT, Kanpur during March 26-28, 1995 to deliver lectures on Optical Character Recognition of Bangla.
- Panji, S.K. (Computer Vision and Pattern Recognition) visited Inter-University Centre for Astronomy and Astrophysics, Pune during April 02-10, 1994 to hold discussions on the development of improved neural network models for analysis of astrophysical data.
- Bhattacharya, B.B. (Electronics Unit) chaired a session in the 8th IEEE International Conference on VLSI Design, held in New Delhi, January 4-7, 1995. He is acting as a member of the programme committee of the 4th Asian Test Symposium, 1995 to be held in Bangalore. He also presented a paper at the 14th International Conference on Foundations of Software Technology and Theoretical Computer Science, held in Madras, December, 15-17, 1994.
- Sinha, B.P. (Electronics Unit) acted as a member of the programme committee of the Fourth National Seminar on Theoretical Computer Science held at IIT Kanpur during June 8-10, 1994. He also attended the 8th IEEE International Conference on VLSI Design, held in New Delhi, January 4-7, 1995.
- De, Arun K. (Electronics and Communication Sciences Unit) visited centre for Remote Sensing, Jawaharlal Nehru Technological University, Hyderabad during 29 November - 7 December 1994 to attend Pre-conference Tutorial on Geographic Information System during 1 and 2 December 1994 and then attended/presented paper in Intl. Conf. on Remote Sensing and GIS (ICORG - 94), 3 to 6 December 1994. From 8 to 14 December 1994 he also visited Indian Institute of Tropical Meteorology, Pashan - Shivaji Nagar, Pune for MONTBLEX research plan.
- Bhattacharya, S. (Geological Studies Unit) gave an invited lecture at the DST sponsored summer school on "NMCP, II, May, 1994" : Thermodynamic data base, internal consistency of the data base and its application in geothermobarometry; Statistical treatments of Geochemical data as an important tool in modern petrological investigations.
- Sengupta, D.P. (Geological Studies Unit) delivered a lecture entitled "Cladistics - an objective method of natural land hierarchical classification", at the Jadavpur University as a "Resource person" in the U.G.C. sponsored "Academic Staff College" programme on Paleontology and Stratigraphy.
- Bandyopadhyay, S. (Machine Intelligence Unit) attended the First Int. Workshop on Parallel Processing in December 1994 at Bangalore and presented a paper.
- Kundu, M.K. (Machine Intelligence Unit) visited the Defence Electronics Applications Laboratory, Dehradun and the Department of Science and Technology, New Delhi in April 1994.
- Murthy, C.A. (Machine Intelligence Unit) visited the Defence Electronics Applications Laboratory, Dehradun in November 1994 and March 1995.
- Pal, S.K. (Machine Intelligence Unit) delivered invited talk at (i) the Physical Research Laboratory, Ahmedabad, August 12, 1994, (ii) the Electronic Research and Development Centre, DOE, Taratala, Calcutta, August 23, 1994, (iii) IEEE Video Cum Lecture Seminar on Fuzzy Systems and Neural Networks, India International Centre, New Delhi, August 25, 1994, (iv) the Indian Institute of Chemical Technology (IICT), Hyderabad, September 16 and 17, 1994, (v) Hindusthan Aeronautics

Ltd. (HAL), Hyderabad, September 17, 1994, (vi) IEEE Workshop on Neural and Fuzzy Systems, Hotel Hyatt Regency, New Delhi, December 20, 1994, (vii) Dept. of Mathematics, Allahabad University, January 12, 1995. He also visited the Defence Electronics Applications Laboratory, Dehradun in November 1994.

Sinha, S. (Machine Intelligence Unit) delivered (i) a lecture at the School of Complex Systems, Indian Association for the Cultivation of Science, Calcutta, January 1995, (ii) a series of four talks at the Bose Institute, Calcutta, February-March, 1995.

Shankar, B. Uma (Machine Intelligence Unit) visited the Defence Electronics Applications Laboratory, Dehradun in November 1994 and March 1995.

Bandyopadhyay, P. (Physics and Applied Mathematics Unit) has been acting as the Editor-in-Chief of the Journal 'Communications in Theoretical Physics' published by the Allahabad Mathematical Society. He has also been acting as the Editor-in-Chief of the Journal 'Science Philosophy Interface' and as the secretary of the Calcutta Centre for Advanced Study in Science and Philosophy. He visited and delivered a course of lectures (i) at the Aligarh University, U.P. in August 1994, (ii) at the Institute of Physics (Bhubaneswar) and at the Sambalpur University in October 1994. He again visited Sambalpur university in February 1995 and gave a series of lectures including a special Lecture on 'C.V. Raman and the Legacy of Indian Research' on Raman day at the Physics Department of the Sambalpur University.

Dandapat, B.S. (Physics and Applied Mathematics Unit) visited the Physics Department of the I.I.T. Kanpur in March - April 1994 for 20 days to collaborate on a project on 'Atmospheric Dynamics'.

Das, P.K. (Physics and Applied Mathematics Unit) has been elected as member of the council of the Calcutta Mathematical Society for the period 1994-96.

Mandal, B.N. (Physics and Applied Mathematics Unit) visited Indian Institute of Science, Bangalore, from 15 May 1994 to 25 June 1994.

Mazumdar, B.S. (Physics and Applied Mathematics Unit) delivered a series of lectures on Turbulence and Sediment Transport in a workshop on Advances in Applied Mathematics at Dibrugarh, in June 1994.

Mukherjee, Soma (Physics and Applied Mathematics Unit) visited the Inter University Centre for Astronomy and Astrophysics (IUCAA), Pune, in November 1994 and again in January - March 1995 for collaborative work.

Roy, Sisir (Physics and Applied Mathematics Unit) visited IUCAA to participate in Indo-French workshop during January 30 - February 20, 1995.

Bagchi, D.K. (Agricultural Sciences Unit) attended and presented a paper entitled "Resource Utilization and constraints in South Bihar plateau : Need for microlevel planning approach for sustainable agriculture" in National Symposium on "Sustainable Agriculture in Sub-humid Zone" held in Pali Siksha Sadan, Visva Bharati during 3-5 March, 1995.

Basu, Amiabha (Anthropometry and Human Genetics Unit) visited (i) Dibrugarh University during 28 March - 2 April 1994, to deliver a series of lectures, and then again during 19-31 May 1994 to deliver Keynote Address in the Seminar on Anthropology and Health, (ii) Utkal University, Bhubaneswar during 10-12 July 1994 (iii) Gauhati University during 18-20 August 1994 (iv) University of Delhi during 4-6 November, 1994 (v) Viswa-Bharati during 10-12 December 1994. He also participated in Panel Discussion of a seminar jointly organised by Viswa-Bharati and Indian Anthropological Society.

Dasgupta, P. (Anthropometry and Human Genetics Unit) has been an honorary Guest Lecturer at Calcutta University. Presented a paper on Analysis of cross-sectional growth data by Procco-Bainesi model in a Seminar on Man-Environment Inter-Relationship, Calcutta University, 24-25 March, 1995.

Malhotra, K.C. (Anthropometry and Human Genetics Unit) continued to serve as (i) a member of expert committee of Science and Society programme of DST, (ii) Chairman of 5 sub-committees and monitored and evaluated works of several institutions. He attended meeting of the (i) Advisory Committee of Centre for Ecodevelopment, NEHU on 27-28 February 1995, (ii) Panel constituted on AIDS project, in West Bengal, Calcutta, on 4th March 1995, (iii) Governing Council of Sahyadri Academy of Ecological Sciences, Pune on 23 March 1995, (iv) Governing Council of The People's Commission on Environment and Development India on 23rd February, 1995 at New Delhi. He attended workshops on (i) Joint/participatory protected area management, Delhi, 1-3 September, 1994, (ii) Joint Forest management, Ahmedabad, 25-26 August, 1994, (iii) Policy and implementation "Issues in Forestry", LBS National Academy of administration, Mussoorie, 4-6 July, 1994, (iv) assessment of Ecological and economic aspects of NTFP, IISc, Sirsi, 15-22 January, 1995, (v) Global Biodiversity Assessment, IISc, Bangalore, 26-28 July 1994, (vi) Concept on action Research in Community Development, Calcutta, 6 May, 1994, (vii) Natural Resource Accounting, MOEXF, Delhi, 23 February, 1995, (viii) Conservation Education Project, BNHS, Bombay, 12-14 May, 1994, (ix) testing methodologies for assessment of Non-Timber Forest Produce, Kharagpur, 5-11 November, 1994. He also participated in the conference on Swedish Aid to India and Agenda 21, New Delhi, 26-27 August, 1994. He gave lectures on (i) Wild life research network, Bombay, 20-21 March, 1995, (ii) Chinihari - A Programme on tribal cultural identity, Bhilai, 7-9 March, 1995, (iii) Anthropometry and Health, Dibrugarh University, 29-30 May, 1994, (iv) Biodiversity - Genes to ecosystems : Towards sustainable development, New Delhi, 11-12 January, 1995, (v) Forest Development - vis-a-vis tribal economy, Bhopal, 28-29 December, 1994, (vi) Sustainable management of natural resources, New Delhi, 9-10 January, 1995. He participated in the (i) XX Annual Conf. of Indian Society of Human Genetics, Hyderabad, 11-13 December, 1994, (ii) National Seminar on Drought management : Strategy and Policy district, Daltonganj, Bihar, 1-2 June, 1994, (iii) Ecodevelopment - concept and strategies, Rishikesh, 9-13 May, 1994, (iv) Regional seminar on Community development and conservation of forest biodiversity through community forestry, Kasetsart University, Bangkok, 26-28 October, 1994, (v) Diamond Jubilee Meeting of Indian Academy of Sciences, Bangalore, 30 November - 2 December, 1994.

Majumder, Partha P. (Anthropometry and Human Genetics Unit) delivered a lecture on (i) "Human Genome Diversity Project" at the Indian Institute of Science, Bangalore, 24 May, 1994, (ii) "Genetic Diversity and Affinities among Indian Populations" in a meeting of the Calcutta Area Structural and Molecular Biology Group at Calcutta on 29 October, 1994 and (iii) a special invited lecture entitled "Human Genome Diversity project : Defining the Indian Role in an International Initiative" in a meeting of the Task Force on Human Genetics of the Dept. of Biotechnology in New Delhi on 23 November, 1994, (iv) two invited lectures at the Central Forensic Science Laboratory, Calcutta, 15-16 March, 1995, entitled (a) Statistical principles for determination of relatedness and individuality in DNA fingerprinting, (b) DNA fingerprinting data bases. He also participated (i) in the Annual Conference of the Indian Society of Human Genetics held in Hyderabad, 11-13 December, 1994 and delivered an invited lecture on "Gene-mapping for Complex Human Disorders", (ii) in the 3rd International Conference on DNA Fingerprinting held in Hyderabad, 13-16 December, 1994 and delivered an invited lecture entitled "DNA fingerprinting for forensic identification : Some statistical issues", (iii) in the School on Complex Systems held at the Indian Association for the Cultivation of Science, Calcutta, 30 January - 3 February, 1995 and delivered an invited lecture entitled "Genetic analysis of complex disorders".

Mukhopadhyay, Banu (Anthropometry and Human Genetics Unit) attended the 4th International Congress of Ethnobiology, NBRI, Lucknow, 17-21 November, 1994.

Roddy, B.M. (Anthropometry and Human Genetics Unit) participated and presented a paper at the seminar on Genetic Epidemiology, and the Annual conference of Indian Society of Human Genetics, Hyderabad, 11-13 December, 1994.

Chattopadhyay, Joydev (Embryology Unit) delivered an invited lecture entitled "Normal and Tumor Tissue Growth" in a National Research Symposium on Applied Mathematics, Centre of Advanced Study in Applied Mathematics, University of Calcutta, 28-30 April, 1994.

- Saha, A.K. (Embryology Unit) presented papers entitled (i) "Concept of Imposed Gradient on Embryonic Development" in the First Regional Conference of IEEE Engineering in Medicine and Biology Society of India and 14th Conference of the Biomedical Engineering Society of India, New Delhi, 13-18 February, 1995, (ii) "Effect of Pre-assigned Gradient on Pattern Formation and Morphogenesis" at the Poster Session of the Conference National Symposium on Perspectives of Modern Biology, 1-2 December, 1994, Bose Institute, Calcutta.
- Tapaswi, P.K. (Embryology Unit) gave an invited lecture entitled "A Mathematical Model of Japanese Encephalitis" in the National Symposium on Perspectives of Modern Biology, Bose Institute, Calcutta, 1-2 December, 1994.
- Bhattacharya, N. (Economic Research Unit) helped the Expert Group on Evaluation of Literacy Campaign in India, National Literacy Mission, Directorate of Adult Education, Ministry of Human Resource Development, Govt. of India. He also participated in a series of workshops on the Evaluation of Literacy Campaigns organised by the Directorate of Adult Education.
- Maiti, Pradip (Economic Research Unit) was invited by ILO, New Delhi to participate in a Workshop on Rural Industries held in New Delhi on 17 - 18 August, 1994. He was also invited by Asian Development Bank, India Resident Office, New Delhi to participate in a seminar on Financial Sector Policies held in Bombay on 31 January 1995.
- Marjit, Sugata (Economic Research Unit) was invited to a UGC Conference at the North Bengal University in March 1995 as a UGC Resource person and presented a paper.
- Rakshit, M. (Economic Research Unit, Calcutta) gave three lectures on "Macro-economics of Structural Adjustment" at Winter School, Centre for Development Studies, Delhi School of Economics in December 1994. He also gave a series of seminars on "Money and Credit in a Developing Economy" at Gokhale Institute of Economics and Political Science, Pune in July 1994.
- Sarkar, N. (Economic Research Unit) visited Centre for Development Studies (CDS), Trivandrum, Kerala for 3 weeks during October - November 1994 to deliver lectures on Econometrics to the students of M.Phil. Course.
- Dasgupta, Dipankar (Planning Unit, Delhi) gave invited lectures at IGIDR in March 1995.
- Mookherjee, Dilip (Planning Unit, Delhi) attended UNDP sponsored conference on "Business Organisation in India" held at the Administrative Training Institute, Mysore in August 1994.
- Balakrishna, P. (Economic Analysis Unit, Bangalore) was an invitee for discussions on "Monetary and exchange rate management" by Consultative Group of Economists convened by Governor of Reserve Bank of India, October 1994.
- Narayana, N.S.S. (Economic Analysis Unit, Bangalore) was invited to participate in a workshop on "Land Consolidation in India" held at Indira Gandhi Institute of Development Research, Bombay, March 6 - 10, 1995. He continues to be the Chairman of the Indian Econometric Society, Bangalore Chapter.
- Bandyopadhyay, Debaprasad (Linguistic Research Unit) has been appointed as a Visiting Lecturer in the Folklore Department, Kalyani University, West Bengal.
- Guha Roy, S. (Population Studies Unit) delivered six lectures on "Recent Developments in Demographic Methods" in the UGC sponsored orientation course for University and College teachers at the Economics Department of Manipur University, Imphal, during 18 - 22 January 1994. He was also nominated as a member of the Planning and Implementation Committee of the Bengal Social Service League, State Resource Centre for Adult Education. He is an editorial advisor of the publication in gerontology of the Karnataka University.

- Banerjee, S.N. (Psychometric Research and Services Unit) acted as a Resource Person and delivered lectures on, "Primary education", "Examination Reforms and Evaluation" in the 13th and 14th Orientation Programme for College and University teachers, organised by the Academic Staff College, University of Calcutta, Calcutta, 29 December, 1994, 31 January-25 February, 1995. He also presented a paper in the 2nd West Bengal State Science Congress, in the Calcutta University, 28 February-2 March, 1995. He attended a workshop on the Report of the Yash Pal Committee organised by West Bengal Board of Primary Education, Salt Lake, Calcutta, 21-22 September, 1994.
- Dutta Roy, D. (Psychometric Research and Services Unit) gave a lecture on "Computer application in Psychological Test Development" at the 82nd Indian Science Congress Session, Jadavpur University, Calcutta, January, 1995 and a seminar on Awareness of task environment, environmental satisfaction and general health of employees at IIT Kanpur, August, 1994. He along with Chakrabarti, P. gave a talk on Psychological Stress of elderly people in a village of West Bengal - National Seminar on aging in India : A perspective, Calcutta Metropolitan Institute of gerontology Calcutta, March, 1995.
- Ghosh, Anjali (Psychometric Research and Services Unit) spoke on measuring attitude towards Dowry in a Group of male and female college students, 82nd Indian Science Congress Session, Jadavpur University, January, 1995. She was also invited to attend a workshop on Planning and Designing of Baseline Assessment study with the DPEP at NCERT, New Delhi, 26-28 December, 1994.
- Gupta, Runki (Psychometric Research and Services Unit) presented a paper on "Reliability and validity of the Bengali Version of Prolonged Deprivation Scale (PDS)", Indian Science Congress Session, Jadavpur University, Calcutta, January, 1995.
- Chakraborty, T. (Statistical Quality Control and Operations Research, Calcutta) participated, as an expert, in a workshop "How science probes the Earth" organised by the Jagadish Bose National Science Talent Search, Jadavpur University, Salt Lake Campus, 10 - 18 March, 1995.
- Gopinath, M.A. (Documentation Research and Training Centre, Bangalore), acted as (a) Chairperson in a Colloquium on Design and Development of Bangalore Library Network at Indian Institute of Sciences, Bangalore, 21 April 1994 and gave (b) Inaugural address at the Workshop on CD-ROM Technology at the M.S. Swamynathan Foundation, Madras, 25 April 1994, (c) talk on Interdisciplinary approach to Information Economics at Annamalai University, UGC Interdict Plenary Seminar on Information Sciences, 27 April 1994, (d) presidential Address on Legal aspects of Intellectual property Rights, Bangalore University, Bangalore, 5 May 1994, (e) Keynote address on "Information Resource Management and its implications" at the Indian Society for Technical Education Workshop on "Information Resource Management" at Institute of Engineers, Bangalore, 11 May 1994, (f) Keynote address on "Future of Medical Libraries in India", MALAI-1994, 15 December 1994 and participated (g) as an expert in the Fullbright Scholarship Meeting at the United States Educational Foundation Institute, Madras, 27 July 1994. He delivered lectures on (i) Library and Social Development at the Dept. of Public Libraries, Govt. of Karnataka, Bangalore, 12 August 1994, (ii) "Intellectual Property Right" and "Knowledge Organisation" at the Academic Staff College at the University of Mysore, Mysore, 13 August 1994, (iii) "Intelligent information processing", Dept. of Lib. and Inf. Sc., University of Mysore, Mysore, 10 October 1994, (iv) "Development of Information Index Languages" at Osmania University, Dept. of Lib. and Inf. Sc., Hyderabad, 25 October 1994, (v) "Modern Challenges to Database Design", University of Mysore, Dept. of Lib. and Inf. Sc., Mysore, 12 - 17 November 1994, (vi) Colon Classification, Ed.7 at the Kuvempu University, 5 January 1995, (vii) DRTC and its contribution to university libraries, Academic College, Aligarh Muslim University, Aligarh, 21 January 1995, (viii) Universe of knowledge : its structure and development at Dept. of Lib. and Inf. Sc., Lucknow University, Lucknow, 22 - 24 January 1995.
- Seetharama, S. (Documentation Research and Training Centre, Bangalore) (i) attended the DEVINSA Working Group Meeting at New Delhi and presented a paper on Indian Input to DEVINSA, 4 - 5 April 1994, (ii) gave lectures, on invitation, at the Academic Staff College, (iii) acted as chief resource person for the Workshop on Information Consolidation organised by Institute of Information Studies, 19 - 24 September 1994, (iv) acted as resource persons for the Refresher's Course on Library Science for School Librarian by Kendriya Vidyalaya, Hebbal, Bangalore, (v) visited the Baba Sahab Ambedkar Marathawada University, Aurangabad. (vi) gave special lectures on Information

consolidation at the SHPT School of Library Science, SNDT University, Bombay, 15 - 16 February 1995, (vii) acted as chief resource person to conduct a workshop on Information Analysis, Consolidation and Repackaging in Gender and Development by British Council Library, New Delhi, 1 - 3 March 1995, (viii) acted as resource person at the IIS-British Council Workshop for REC Librarian for delivering lectures, (ix) gave a talk on "Automation and its impact on Libraries and Information Centres" at the Special Librarians Group Meeting, Trivandrum, 17 March 1995.

Ravichandra Rao, I.K. (Documentation Research and Training Centre, Bangalore) attended (i) Workshop on Information Retrieval at Mysore as a resource person, 25 - 28 July 1994, (ii) refresher course for working librarians on Library Automation, 9 August 1994, (iii) information retrieval workshop on CD-ROM system and DBMS, 20 August 1994. He was invited by Mysore University, Mysore to deliver special lectures on CDS/ISIS and Information Retrieval, 17 - 18 November 1994. He also attended (i) the DESIDOC meeting on "Library Automation to DESIDOC Libraries" at New Delhi, 5 - 6 September 1994, (ii) the INSDOC meeting on Review of Bibliometric Action of the National Bibliometric Centres, 15 March 1995. He was invited by Kuvempu University, Shivamoga to deliver some lectures during 30 -31 January 1995.

Part III. ADMINISTRATION AND OFFICE BEARERS

12. GENERAL ADMINISTRATION

Administrative Services Division

The Administrative Services Division at the headquarters at Calcutta caters to the various needs of the scientific workers of the Institute engaged in various research and scientific academic activities and provides them with necessary infrastructural facilities in their pursuit of excellence. The centres at Delhi and Bangalore, each having a number of science units are, by and large, self-sufficient in providing administrative support to the scientific workers. The division has different units in Calcutta as mentioned below :

Personnel Unit : The Personnel Unit deals with all service matters like appointments, promotions, transfers, disciplinary action, redressal of grievances, retirements etc. in respect of all the workers of the Institute and maintains all records in connection thereto. The Retirement Benefit Cell attached to the Unit deals with the payment of retirement benefits to workers like pension, death-cum-retirement gratuity etc.

Accounts Section : The Accounts Section keeps the accounts of all financial transactions made by the Institute and admits claims including personal claims preferred by workers and outsiders after proper check. This section is responsible for final closure of accounts and preparation of Income and Expenditure Account and Balance Sheet of each financial year. They are also to interact with the Statutory Auditors in the course of audit of final accounts. The Provident Fund Unit (PF) under this section maintains the account of provident fund of individual workers of the Institute and deals with PF loans and withdrawal and final payment of PF balance.

Estate Office : The Institute has a very big campus comprising buildings, ponds and vacant space. The Estate Office looks after all the estates and properties of the Institute and also maintains regular conservancy services.

Engineering and Electrical Maintenance Unit : The Unit is responsible for day to day maintenance besides supply of electricity and water in the buildings housing various divisions and staff quarters. This unit also takes up new constructions.

Medical Welfare and Reimbursement Unit : The workers of the Institute are entitled to medical claims as per CSMA rules of the Government of India. Besides there is a small dispensary with facilities of consulting general physicians and specialists for the campus residents and also for the workers residing nearby. The medicines are supplied free. At present there are three regular doctors and several part-time specialist doctors attached to the dispensary. The Medical Reimbursement Unit is entrusted with the payment of all medical claims submitted by workers as per CSMA rules and the Medical Welfare Unit looks after the functioning of the dispensary with all attendant activities.

Transport Unit : Besides a fleet of vehicles, the Institute has three buses and an ambulance. The vehicles are for use by the visiting scientists and dignitaries and by the workers in carrying out the activities of the Institute. The buses are used for transporting worker from eastern and southern part of Calcutta and its suburbs. The ambulance, presently undergoing repair, is used to carry ailing workers or members of their families to and from hospital for emergency treatment on recommendation of the doctors attached to Medical Welfare Unit. The Transport Unit looks after the use and maintenance of the vehicles. One retired army officer is presently in charge of this Unit.

Telephone Unit : Two new electronic exchanges have been installed by Crompton & Greaves Ltd. in the Institute's premises at a cost of around Rs.20 lakhs. The main one (NE-1100) is housed at 202, B.T. Road and a small one (NE 20M) is housed at 205 B.T. Road. The two are interconnected. The NE 1100 is manned by operation during working hours and works in automatic mode otherwise. NE (20M) operates in automatic mode.

Central Stores Unit : All stationery and stores articles including furniture required for use in various divisions of the Institute are procured through Central Stores Unit. They also procure and store materials required for day to day maintenance of building, water and electric supply. A small Tailoring Unit is attached to it.

Binding Unit : The Institute has a large library with books and journals which are required to be bound regularly. Besides, the Institute publishes Annual Reports, various research divisions bring out research proposals, administrative division brings out book-lets on budget for presentation to the Ministry. All such and many other documents are bound throughout the year in the Binding Unit.

Security Unit : Security Unit is entrusted with the important task of maintaining security of the vast campus of the Institute and its properties. An ex-army man of the rank of Major has joined the Institute as Senior Security Officer.

Director's Office and CAO's Office : Director is the principal executive officer of the Institute and the head of all its academic and administrative activities whereas Chief Administrative Officer (CAO) is in over-all charge of General Administration, Financial and Personnel Management in respect of Administrative Services Division. Both the offices are entrusted with the task of providing all help and support to these two very important functionaries of the Institute. They are required to maintain confidential records, issue circulars, interact with various research and administrative divisions and maintain liaison with outside centres and branches of the Institute.

Central Office : The Central Office is in charge of receipts and despatch/distribution of all correspondence, circulars/office orders etc. of the Institute. Arrangements for maintenance and services of all typewriters and duplicators of the Institute are centrally made by this unit.

Public Relations Unit : The Unit takes care of all sorts for public relation activities on behalf of the Institute. The Unit arranged successful media coverages of (i) the invited talk on "Recent Advances in Bio-technology : Trade and ethical issues" given by Prof. Rathindra Narayan Basu, Vice-Chancellor of Calcutta University on 16 November 1994, (ii) Regional Mathematical Olympiad for the year 1994-95 held on 4 December 1994, (iii) Winter School on "Analysis of Directional Data" during 12-17 December 1994, (iv) "Prof. P.C. Mahalanobis Memorial Lectures" on 9, 11 and 12 January 1995, (v) Annual Convocation of ISI held on 1 February 1995, (vi) Seminar on "Economic Reforms and Industrial Growth in India" on 23 February 1995 and (vii) Annual Convocation of International Statistical Education Centre (ISEC) held on 30 March 1995. The Unit issued a number of press releases during the year.

The Unit played a key role in the production of a 20-minutes documentary film produced by Doortarshan Kendra, Calcutta on the activities of the Institute, which was telecast on 24 January 1995 on channel I and on 20 February 1995 on channels II and VII.

Another important job of this unit is to prepare and publish the Annual Report of the Institute each year under the guidance of an Editorial Board and arrange for its distribution to different Universities in India and abroad. Distribution of ISI News Letter is also done by this Unit.

Council Section : The Institute is a registered society with a large number of Ordinary and Life members. The Section maintains liaison with the members and satisfies their requirements including sending of Sankhyā, the Indian Journal of Statistics, published by the Institute, to the members of the Institute. The Section arranges holding of meetings of General Body, the Council, Finance Committee, Section (1) Committee etc. This section is attached to CAO's Office.

Publication and Printing Unit : The Unit was formed in August 1991 when the Statistical Publishing Society was formally taken over by the Institute. It undertakes printing and binding of all materials, including Sankhyā (Series A & B). It also looks after the distribution of Sankhyā world wide. The unit requires immediate modernisation to enable it to undertake all the printing works of the Institute including printing of Sankhyā (both the series).

Apart from the Units mentioned above, there are some small cells dealing with Internal Audit, Budget, Import, Travel and House Building Advance and take care of the specific needs of the Institute.

The Administrative Services division also looks after the running of hostels for students, research scholars and International Statistical Education Centre (ISEC) trainees and also the running of Canteen for the workers and students of the Institute. It also maintains the Guest House to accommodate scientists and academicians, both from inside and outside the country, who visit the Institute for various academic pursuits. As mentioned earlier, the Division has two main Centres located at Delhi and Bangalore. The other outlying Units numbering eight are controlled directly by the headquarter at Calcutta. The Administrative Services Division takes the responsibility for all new construction activity of the Institute at its headquarter and also at outlying centres/branches. A brief report on the construction activity in the current year is given later.

The activities of the Administrative Services in the two Centres, namely Delhi and Bangalore, and in other outlying branches of the Institute are more or less the same but in a much smaller scale. Depending on the needs of the branches/centres the number of Units have been truncated and merged into fewer units.

2. Staff of the Institute

As has been reported in the previous year, owing to complete ban on recruitment of administrative staff as per Govt. directive, the Institute is finding it increasingly difficult for the administrative services division to maintain security, conservancy and other services. The position is becoming more acute with the reduction of staff strength on account of retirement on superannuation, death etc. Although the Government has already finalised the pay structure for the existing workers of the Institute, it has still not cleared the pay scales which will be applicable to the new entrants in various administrative positions and as a result no recruitment from outside could be made. The Government has, however, agreed to allow the Institute to recruit some staff in essential categories by internal arrangement. However, inability to recruit workers directly, has put the Administration in a difficult position so far as maintenance of security, conservancy and other services are concerned.

The following senior members of the staff worked in the posts indicated against their names during the year.

Director

1. B.L.S. Prakasa Rao upto 19.2.95
J.K. Ghosh from 20.2.95

Dean of Studies

2. S.C. Bagchi till 17.9.94
Joseph Mathew from 18.9.94

Head, Delhi Centre

3. Alope Dey upto 30.6.94
Atul Sarma from 1.7.94

In-Charge, (Administration and Accounts), Bangalore

4. T.S. Arthanari

Chief Administrative Officer

5. G.H. Mandal

New Appointments

List of workers (Scientific/Technical/Administrative) who joined the Institute during the year :

1. Dhurjati Pr. Sengupta, Lecturer
2. Barnana Roy, Lecturer
3. Jyotirmoy Sengupta, Associate Professor,
4. Bharatendra Kr. Rai, Technical Officer (SQC) Gr.III
5. Tirthankar Dasgupta, Technical Officer (SQC) Gr.III
6. Sugata Marjit, Professor
7. T. Krishna Kumar, Professor
8. Debasis Sengupta, Associate Professor
9. A.K. Datta, Officer on Special Duty
10. S.K. Anand, Administrative Officer

Retirements

List of workers (Scientific/Technical/Administrative) who retired from the services of the Institute during the year :

1. Tares Maitra, Systems/Numerical Analyst, Gr.I
2. M.R. Saluja, Professor
3. T.K. Roy Chowdhury, Professor
4. A.K. Datta, Professor
5. Govinda Paduval, Input/Output Controller
6. V.D. Paluskar, Technical Officer (SQC) Gr.III
7. Somesh Ch. Saha, Research Assistant
8. Nirmalendu Pal, Research Assistant

Numbers of workers in various groups as on 31st march, 1995 :

(i) Scientific and Technical Group -	504
(ii) Non-Scientific Group -	1082
Total :	<hr/> 1586

Budget and Finance

For the year 1994-95, the Institute's budget was estimated to be Rs.1501.60 lakhs and Rs.875.60 lakhs towards Non-Plan and Plan respectively at the BE stage. The Govt. after considering the report of the Section 8(1) Committee approved a sum of Rs.1350.99 lakhs including internal receipts and Rs.434.00 lakhs for Non-Plan and Plan expenditure respectively. At the Revised Estimate stage, the Institute sought for a grant of Rs.1568.30 lakhs and Rs.465.75 lakhs in Non-Plan and Plan estimates respectively. The Govt. after considering the additional requirement at RE stage approved a sum of Rs.1473.39 lakhs on Non-Plan (including Rs.5.50 lakhs for centenary celebration of Professor Mahalanobis), the Plan RE allocation was fixed at Rs.434.00 lakhs including a special capital grant of Rs.18.00 lakhs for the birth centenary celebration of Professor P.C. Mahalanobis. The expenditure during the year under report was well within the budget allocation sanctioned by the Government. The Audited Annual Accounts of the Institute for the year 1994-95 have been furnished in part IV of this report.

Land and Construction

The following major activities were undertaken by the Institute during 1994-95.

Calcutta

New Guest House

The work had stopped as the contractor was not willing to continue the same for some reasons. Negotiation was made through the consultant M/s. DCL and after a prolonged discussion, the problem has been solved. The contractor has resumed the work.

Restoration of RTS Building

(a) The civil work regarding the construction has since been completed and the contractor has submitted final bill amounting to Rs.23.49 lakhs. The contractor has demanded some escalation which is under scrutiny. The total expenditure shall not exceed the revised estimate of Rs.27.27 lakhs for this purpose.

(b) Electrical installation of RTS building have already been completed and the total value comes to Rs.2.67 lakhs against the tender value of Rs.2.64 lakhs.

(c) Fabrication of partition work on the 6th floor of RTS building has been completed during this year at an expenditure of Rs.5.61 lakhs against the tender value of Rs.5.71 lakhs.

Construction of 'C' and 'D' type quarters

The construction work for 'D' type quarters is progressing well and is likely to be completed during the next year. The expenditure on this construction in the year under report is Rs.6.68 lakhs. Regarding construction of 'C' type quarters soil testing have been completed and report for the same has been sent to the consultant M/s. Ghosh, Bose and Associates. The structural details of tender paper is being prepared by the consultant.

Deep tubewell at Deluxe Garden and 202 B.T. Road

Sinking of deep tubewell has been completed in all respects at an expenditure of Rs.5.48 lakhs for both the tubewells against the tender value of Rs.5.75 lakhs.

Museum and Archive at Amrapoli

The civil work for restoration of the inside of the building was undertaken during the year and is in progress. An expenditure of Rs.0.70 lakhs has so far been incurred.

Besides the above, several other works of construction have been undertaken during the year. They are construction of road, water treatment plant, roof treatment of buildings, replacement of existing sewerage lines, installation of PVC water reservoir etc. Some of the works have been completed while some others are in progress.

The pace of construction works at Calcutta needs to be intensified further so that the fund allotted for the purpose is fully utilised.

Delhi

The centre did not take up any major construction work during the financial year. The boundary wall was raised at an expenditure of Rs.1.83 lakhs.

Bangalore

The work on the construction of additional floors on the academic building and construction of compound wall have been completed. The total expenditure incurred was around Rs.43.20 lakhs.

SOCIETY TYPE ACTIVITIES

Membership : April 1994-March 1995

During the period 135 persons were elected as Ordinary Members of the Institute and 23 Ordinary Members became Life Members.

The membership position as on 31st March 1995 is as follows :

Ordinary Members	- 1155
Life members	- 405
Institutional members	- 14
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Total :	1574

Finance Committee Meeting : The Finance Committee met twice, on 17 August 1994 and 10 November 1994, during the period under report. Apart from taking various decisions on financial matters, the committee recommended RE 1994-95 and BE 1995-96 (Plan and Non-Plan) in their meeting on 17 August 1994 and considered and recommended the Annual Report including Audited Statement of Accounts for the year 1993-94. The committee also recommended revision of remuneration of research fellows and research associates.

Council Meeting : The Council met seven times during the period under report to take decisions on administrative and scientific matters. In the meeting dated 18 August 1994, the Council considered and approved the recommendation of the Finance Committee on RE for 1994-95 and BE for 1995-96 in respect of both Plan and Non-Plan estimates. In the meeting dated 11 November 1994 the Annual Report including the Audited Statement of Accounts for the year 1993-94 were considered by the Council and was approved. In the same meeting various committees, namely, Finance Committee, Journal Committee, Examination Committee, Works Advisory Committee, Technical Advisory Committee and the Ph.D.-D.Sc. Committee were formed.

A list containing the names of the President of the Institute, Chairman and members of the Council of the Institute and also a list of members of different committees constituted by the Council are given else where in the report.

Annual General Meeting : The general body of the Institute met on 15 September 1994 and 12 November 1994 during the period under report. In the first meeting, the election of the President, the two representatives of Institute members, representatives of scientific and non-scientific workers and all other members of the Council were approved. In the second meeting, Annual Report of the Institute for the year 1994-95 was adopted and Audited Statement of Accounts for the Year 1994-95 together with the Auditor's comments and replies of the Administration thereto were also adopted.

**13. LIST OF MEMBERS OF THE ACADEMIC COUNCIL AND OF DIFFERENT COMMITTEES
OF THE INSTITUTE AS ON 31 MARCH 1995.**

List of Members of the Academic Council of the Institute

1. J.K. Ghosh, Director - Chairman

2. J. Mathew, Dean of Studies - Convener

Theoretical Statistics and Mathematics Division

3. T.K. Chandra, 4. Somesh Das Gupta, 5. A. Goswami (El. Rep.), 6. T.J. Rao, 7. B.V. Rao, 8. A.R. Rao, 9. S.B. Rao, 10. A.K. Roy, 11. G.M. Saha, 12. Bikash Sinha, 13. Y.R. Sarma, 14. T.P. Tripathi, 15. R.B. Bapat, 16. R. Bhatia, 17. Aloke De, 18. R.L. Karandikar, 19. K.R. Parthasarathy, 20. T. Parthasarathy, 21. K.B. Sinha, 22. G. Misra, 23. K.P.S.B. Rao, 24. A. Sitaram, 25. V.S. Sunder (on lien), 26. S. Thangavelu, 27. T.V. Hanurav.

Applied Statistics, Surveys and Computing Division

28. Ajoy Kr. Adhikari, 29. Shibdas Bandyopadhyay, 30. S.R. Chakraborti, 31. Arijit Chaudhury, 32. P. Pal Chowdhury (El. Rep.), 33. T. Krishnan, 34. A.C. Mukhopadhyay, 35. Sunil K. Pal, 36. Sanjib Gupta (El. Rep).

Computer and Statistical Services Centre (CSSC)

37. Aditya Bagchi, 38. S.C. Kundu.

Physical and Earth Sciences Division

39. P. Bandyopadhyay, 40. B.S. Dandapat, 41. B.N. Mandal, 42. B.S. Mazumdar, 43. Rajkumar Roychowdhury, 44. C.A. Murthy (El. Rep.), 45. Sankar. K. Pal, 46. B.B. Bhattacharya, 47. M.K. Chakrabarti, 48. B.P. Sinha, 49. B. Chanda (El. Rep.), 50. J. Das, 51. B. B. Chaudhuri, 52. A.K. Chaudhuri, 53. D.N. Ghosal.

Biological Sciences Division

54. A. Basu, 55. P.P. Majumder, 56. K.C. Malhotra, 57. B.M. Reddy (El. Rep.), 58. Asit K. Saha, (El. Rep.), 59. P.K. Tapaswi, 60. S. Matali.

Social Sciences Division

61. Sanjit Bose, 62. Satya R. Chakraborty, 63. D. Coondoo, 64. Pradip Maity, 65. Robin Mukherjee, 66. Abhinav Sarkar, 67. Manoranjan Pal (El. Rep.), 68. Mihir Kr. Rakshit, 69. Sugata Marjit, 70. B. N. Bhattacharya, 71. S. Guha Roy, 72. P. K. Majumdar (El. Rep.), 73. Anjali Ghosh (El. Rep.), 74. Parkash Chander, 75. D. Dasgupta, 76. Bhaskar Dutta, 77. Subhasish Gangopadhyay, 78. Dilip Mukherjee, 79. P.N. Mukherjee, 80. M.R. Saluja, 81. Atul Sarma, 82. Satya Prakash Das, 83. N.S.S. Narayana, 84. T. Krishna Kumar.

Statistical Quality Control and Operations Research Division

85. T.K. Chakrabarti, 86. S.K. Majumder, 87. S.P. Mukherjee, 88. R.J. Pandey, 89. K.K. Banerjee, 90. Anup Majumder, 91. S. Sengupta, 92. Sadhan Chakraborty, 93. S.S. Handa, 94. S.R. Mohan, 95. Arvind Seth, 96. K.N. Anand, 97. T.S. Arthanari, 98. A.K. Chaudhuri, 99. B.K. Pal, 100. Somnath Ray (El. Rep.).

101. Y.R. Rao, 102. N.T.V. Ranga Rao, 103. J. Venkatasappaiah, 104. A.K. Chakraborty (El. Rep.), 105. P. Lakshmanan, 106. C.Y. Krishnamurthy, 107. V. Gopalan.

Library Documentation and Information Sciences Division

108. Chitta Bhattacharya, 109. M.A. Gopinath, 110. L.K. Ravi Chandra Rao, 111. S. Seshbarama

Member-Secretary, ISEC

112. A.B. Raha

Head, SQC T and P Unit

113. D.T. Ghosh

Secretary, Examination Committee

114. P. Bhimasankaram

List of Members of different Committees of the Institute

(A) Finance Committee

(1) Director (Ex-officio Chairman), (2) Shri A.K. Adhikari, (3) Dr. D.K. Bose, (4) Shri P.K. Chatterjee, (5) Dr. Rajkumar Roy Chowdhury (6) Dr. T. Krishnan, (7) Shri Sashi Kanta Mishra, (8) Dr. Robin Mukherjee, (9) Dr. P.N. Roy, (10) Dr. S.B. Rao, (11) Shri Dilip Sengupta, (12) Chief Administrative Officer, (13) Head, Delhi Centre or his nominee, (14) In-Charge, Bangalore Centre, (15) Govt. Representative (Dept. of Statistics), (16) Govt. Representative (Ministry of Finance), (17) Head, SQC & OR Division, (18) Shri S.S. Panja (Non-Member Secretary).

(B) Journal Committee

Editors : Sankhyā A and B

Dr. B.L.S. Prakasa Rao, Dr. C.R. Rao, Dr. G. Kallianpur, Dr. K.R. Parthasarathy, Dr. S. Dasgupta.

Co-Editors : Sankhyā A

Dr. Arup Bose, Dr. Bimal Kumar Sinha, Dr. Molan Delampadi, Dr. Probal Chaudhuri, Dr. R.L. Karandikar.

Co-Editors : Sankhyā B

Dr. Bikas Kumar Sinha, Dr. Dipankar Coondoo, Dr. Probal Chaudhuri, Dr. S.R. Mohan, Dr. T.J. Rao.

Advisory Members

Prof. Aman Ullah, Prof. D. Dasgupta, Prof. G. Jogesh Babu, Prof. J.K. Ghosh, Prof. J. Scthuraman Prof. N. Bhattacharyya, Prof. R.R. Bahadur, Prof. S.K. Chatterjee, Prof. S.K. Mitra, Prof. S.R.S. Varadhan, Prof. P.K. Sen, Prof. Malay Ghosh.

Managing Editors

Prof. R.L. Karandikar (*Sankhyā A*); Prof. T.J. Rao (*Sankhyā B*)

(C) **Examinations Committee**

1. Prof. S.K. Chatterjee (Chairman), 2. Shri Subhas C. Kundu, 3. Dr. A.C. Mukhopadhyay, 4. Prof. B. K. Sinha, 5. Dean of Studies, 6. Prof. Y.R.K. Sarma, 7. Officer-In-Charge, Training Division, CSO, 8. Dr. Pradip Malii, 9. Dr. Rahul Mukherjee, 10. Dr. V.N. Reddy, 11. Dr. P. Bhimasankaram (Secretary-Convenor).

(D) **Works Advisory Committees**

(a) **Calcutta**

1. Dr. P.N.Roy (Chairman), 2. Prof. Mihir Chakrabarti (Vice-Chairman), 3. Dr. Bhabani P. Sinha, 4. Dr. S.B. Rao, 5. Chief Administrative Officer, 6. Shri Sanjay Sinha, 7. Dr. Somesh Bagchi, 8. Dr. T.S. Kutty, 9. Shri Sashi Kanta Mishra, 10. Dr. Partha P. Majumder, 11. Shri Dilip Sengupta, 12. Shri C.H. Sastri, 13. Outside Experts, 14. Outside Architects, 15. Shri Anjan Mookherjee (Convenor).

(b) **Delhi**

1. Shri S.C. Bose Mullick (Chairman), 2. Shri B. Majumder, 3. Shri C.B. Gupta, 4. Chief Administrative Officer, 5. Prof. Dipankar Dasgupta, 6. Head, Delhi Centre, 7. Shri Om Prakash, 8. Shri S.S. Handa, 9. Dr. S.C. Kochar, 10. Prof. T. Parthasarathy, 11. Shri D.N. Sabharwal (Convenor).

(c) **Bangalore**

1. Shri T.R. Satish Chandran (Chairman), 2. In-Charge, Administration and Finance, 3. Head, DRTC, 4. Head, Stat-Math Unit, 5. Head, Economic Analysis Unit, 6. Head, SQC & OR Unit, 7. Chief Administrative Officer, 8. Chief Engineer (C & B) or his nominee, 9. Shri H.V. Anantharamiah (Convenor).

(E) **Ph.D./D.Sc. Committee**

1. Director (Chairman), 2. Prof. P. Bhimasankaram, 3. Prof. A. Sitaram, 4. Prof. B.V. Rao, 5. Prof. Bhaskar Dutta, 6. Prof. Partha P. Majumder, 7. Dean of Studies, 8. Prof. B. B. Chaudhuri, 9. Prof. B.P. Sinha, 10. Prof. Somesh Dasgupta, 11. Prof. Mihir Rakshit, 12. Prof. K.B. Sinha, 13. Prof. A.R. Rao (Convenor).

(F) **Technical Advisory Committees of different Divisions**

I Theoretical Statistics and Mathematics Division

1. Director (Chairman), 2. Prof. M.G. Nadkarni, Centre for Advanced Study in Mathematics, University of Bombay, Vidyasagar Marg, Vidyasagar, Bombay-400098, 3. Prof. S.K. Basu, Indian Institute of Management, Diamond Harbour Road, Joka, South 24 Parganas, 4. Prof. B.K. Kale, Department of Statistics, University of Poona, Pune-411007, 5. Prof. M. Srochari, M.S. University of Baroda, Baroda, 6. Prof. R. Sridharan, Tata Institute of Fundamental Research, Bombay, 7. Prof. U.B. Tewari, Indian Institute of Technology, Kanpur, 8. Prof. K. Vishwanath University of Hyderabad, Hyderabad, 9. Prof. B.V. Rao, Professor-in-Charge (Convenor).

II Applied Statistics, Surveys and Computing Division

1. Director (Chairman), 2. Prof. S.K. Basu, Indian Institute of Management, Diamond Harbour Road, Joka, South 24 Parganas, 3. Prof. S.P. Mukherjee, Centenary Professor, Department of Statistics, Calcutta University, 35, Ballygunge Circular Road, Calcutta-700019, 4. Prof. Samir Bhattacharya, Deptt. of Zoology, Viswa Bharati University, Santiniketan 731235, 5. Prof. N. Vijayaditya, Deputy Director General, National Informatics Centre, Planning Commission, C.G.O. Complex, Lodi Road, New Delhi-110003, 6. Prof. J.V. Deshpande, Department of Statistics, University of Poona, Pune 411072, 7. Dr. S.N. Ray, Director-General, Central Statistical Organisation & Ex-officio Additional Secretary, Department of Statistics, Government of India, Sardar Patel Bhavan, Parliament Street, New Delhi - 110001, 8. Dr. G.V. Satyavati, Director General, Indian Council of Medical Research, Post Bag No.4508, Ansari Nagar, New Delhi 110029, 9. Prof. C.H. Sastri, Professor-in-Charge (Convenor).

III. Physical and Earth Sciences Division

1. Director (Chairman), 2. Prof. B.L. Deekshatulu, Director, National Remote Sensing Agency, Balanagar, Hyderabad-500037, 3. Prof. B.R. Nag, Institute of Radio Physics and Electronics, Calcutta University, 92, Acharya Prafulla Chandra Road, Calcutta, 4. Prof. Soumith Biswas, Department of Computer Science and Engineering, Indian Institute of Technology, Kanpur-208106, 5. Prof. Mohit Kr. Roy, Department of Computer Science and Engineering, Jadavpur University, Calcutta-700032, 6. Prof. Prem Kumar, Department of Mathematics, Indian Institute of Technology, Hauz Khas, New Delhi-110016, 7. Prof. P. Nyoqi, Head, Department of Mathematics, Indian Institute of Technology, Kharagpur-721302, 8. Prof. A.N. Mitra, Department of Physics, University of Delhi, Delhi-7, 9. Prof. Brahmaananda Das Gupta, Department of Theoretical Nuclear Physics, Saha Institute of Nuclear Physics, Salt Lake, Calcutta, 10. Prof. A.K. Saha, Department of Geology, Presidency College, Calcutta 700073, 11. Prof. S.N. Sen, Department of Geology, Calcutta University, 35, Ballygunge Circular Road, Calcutta 700019, 12. Prof. Mahadeb Adhikari, Acharya Prafulla Chandra Roy Professor of Agricultural Chemistry, Calcutta University, Ballygunge Science College, Calcutta, 13. Dr. B.M. Reddy, FNA, Distinguished Scientist, CSIR National Physical Laboratory, New Delhi 110012, 14. Prof. V.V.S. Sharma, Department of Computer Science and Automation, Bangalore 560012, 15. Prof. Abok Sahni, FNA, FASC, Department of Geology, Centre for Advance Studies in Geology, Punjab University, Chandigarh 160014, 16. Prof. B. Yegnanarayana, Department of Computer Science and Engineering, Indian Institute of Technology, Madras 360006, 17. Prof. Raj Kumar Roy Chowdhury, Professor-in-Charge (Convener).

IV. Biological Sciences Division

1. Director (Chairman), 2. Prof. J.J. Gilosh, Ex-Centenary Professor of Bio-Chemistry, 219 Sri Arabinda Sarani (Formerly P10 Grey Street Extension) Calcutta-700004, 3. Prof. Anil Kumar Gupta, Chairperson, R.M. Centre for Educational Innovation, Indian Institute of Management, Vastrapur, Ahmedabad, 4. Prof. T.M. Das, 24/A, Karl Marx Sarani, Calcutta-700023, 5. Prof. D.P. Mukherjee, 7, Nilambar Mukherjee Street, Calcutta-700004, 6. Prof. B.M. Das, U.G.C. Emeritus Fellow, Department of Anthropology, Dibrugarh University Dibrugarh, 7. Prof. Kamala Krishnaswamy, Deputy Director (Sr. Grade), National Institute of Nutrition (ICMR), Jamai-Osmania P.O., Hyderabad 500007, 8. Prof. S.P. Chatterjee, Department of Biological Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Calcutta 700012, 9. Prof. A.B. Roy, Department of Mathematics, Jadavpur University, Calcutta-700032, 10. Prof. R.N. Joshi, Head, Department of Botany, Marathwada University, Aurangabad 431004, 11. Prof. R.K. Mandal, Department of Bio-chemistry, Bose Institute, P-1/12, C.I.T. Scheme VIIM, Calcutta 700054, 12. Prof. Dipika Mohanty, Director, Institute of Immunohaematology (ICMR), New Multistoreyed Building, 13th floor, K.E.M. Hospital Campus, Parel, Bombay 400012, 13. Prof. V. Nanjundiah, Developmental Biology and Genetics Laboratory and Centre for Theoretical Studies, Indian Institute of Science, Bangalore 560012, 14. Prof. Partha P. Majumdar, Professor-in-Charge (Convener).

V. Social Sciences Division

1. Director (Chairman), 2. Prof. Ramprasad Sengupta, Centre for Economic Studies and Planning, Jawaharlal Nehru University, New Meerutli Road, New Delhi-110067, 3. Prof. Ashish Bose, I-1777, Chitta Ranjan Park, New Delhi-110019, 4. Prof. K.B. Pathak, Director, International Institute for Population Sciences (IIPS), Govandi Station Road, Deonar, Bombay-400088, 5. Prof. Amitava Chatterjee, 35, Biswambhar Banerjee Lane, Konnagore 712235, Hooghly, 6. Prof. Barun De, Director, Maulana Abul Kalam Azad Institute for Central Asian Studies, 'Brajonandini' 55/2, Ballygunge Circular Road, Calcutta-700019, 7. Prof. K.L. Krishna, Managing Editor, Journal of Quantitative Economics, Delhi School of Economics, Delhi 110007, 8. Prof. L.M. Khubchandani, Director, Centre for Communication Studies, 270/212, Sind Society, Ganesh Khind, Pune 411007, 9. Prof. Ranikrishna Mukherjee, 17/3, Moore Avenue, Calcutta 700040, 10. Prof. Tarun Sen, Department of Psychology, Delhi University, Delhi, 11. Prof. Alok Roy, Indian Institute of Management, Joka, Diamond Harbour Road, P.O. Box 16757, Calcutta 700027, 12. Prof. P. Bhaskarrao, Professor of Physics & Head, Department of Linguistics, Deccan College Post Graduate & Research Institute, Pune 411005, 13. Prof. Samir Guha Roy, Professor-in-Charge (Convener).

VI. Statistical Quality Control and Operations Research Division

1. Director (Chairman), 2. Shri K.R. Parameswaran, Ex- Director General, Bureau of Indian Standards, 8138, Sector B, Pocket 11, Nelson Mandela Road, Vasant Kunj, New Delhi - 110037, 3. Prof. S.P. Mukherjee, Department of Statistics, Calcutta University, 35, Ballygunge Circular Road, Calcutta 700019, 4. Shri B.P. Ghosh, General Manager, Union Carbide, Calcutta, 5. Shri V.S. Maini, Vice-President, Corporate Technical Asca Brown Boveri Ltd., Sona Towers, 71, Miller Road, Bangalore 560052, 6. Prof. C.K. Mustafi, Indian Institute of Management, Diamond Harbour Road, Joka, Calcutta 700019, 7. Shri N.S. Sreemivasan, (Retd. MD, IDL Chemical) No.2, Shanti Nivas, 7th Cross, Ashoka Nagar, Banashankari I Stage, Bangalore 560050, 8. Professor B.K. Pal, Head, SQC & OR Division (Convener).

VII. Library Documentation and Information Sciences Division

1. Director (Chairman), 2. Dr. Pulin Barua, Professor & Head, Department of Library and Information Science, Golapbag, Burdwan University, Burdwan, 3. Sm. Kalpana Dasgupta, Librarian, National Library, Belvedere, Alipore, Calcutta-700027, 4. Dr. P.K. Mahapatra, Professor and Head of the Department of Library and Information Science, University of Calcutta, College Street, Calcutta-700073, 5. Shri Chitranandhu Sen, Librarian, Asiatic Society, 1, Park Street, Calcutta 700016, 6. Shri J.C. Chowdhury, Scientist-in-Charge, Indian National Scientific Documentation Centre, 4, Raja Subodh Mullick Road, Jadavpur, Calcutta 700032, 7. Shri Chitta Bhattacharya, Chief Librarian (Convener).

The Editorial Board gratefully acknowledges the help and assistance rendered by the Computer personnel attached to the CAO's Office, the Public Relations Unit, the Publication & Printing Unit and the Reprography Unit of the Institute in the preparation of this Annual Report.

INDIAN STATISTICAL INSTITUTE

SIXTYTHIRD ANNUAL REPORT : 1994-95

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INDIAN STATISTICAL INSTITUTE

Part IV. Statement of Accounts and Auditors' Report for the year 1994-95

AUDITORS' REPORT

We have audited the attached Balance Sheet of Indian Statistical Institute as at 31st. March, 1995, of (a) General Fund and (b) Other Funds, and the annexed Income & Expenditure Account for the year ended on that date.

The Balance Sheet and the Income and Expenditure Account as referred to above and as produced before us for verification are in agreement with the books and accounts and records maintained by the Institute.

Special attention is invited to Schedule X, Note 1-Fixed Assets, Note 4-Loans and Advances, Note 5.1 Addl. D. A. Deposit, Note 8.1 Medical Reimbursement, Note 8.3 Bonus and a portion of D.A. and our observations in Annexure forming part of this Report.

Subject to the above, in our opinion and according to the information and explanations given to us, the said accounts read with the Notes on Accounts (Schedule X) give a true and fair view of the state of affairs of the Institute as at 31st March, 1995 and in case of the Income over Expenditure for the year ended on that date.

P-17, Mission Row Extn.
Calcutta-700 013.

The 28th September, 1995

For B. C. KUNDU & Co.
Chartered Accountants

S. N. MURHOPADHYAY
Partner

INDIAN STATISTICAL INSTITUTE

BALANCE SHEET

As at 31st March 1994		Fund and Liabilities	As at 31st March 1993	
Rs.	P.		Rs.	P.
25,01,04,422.30		1. GENERAL FUND :		
		As per Schedule VII		20,20,73,077.81
		2. OTHER FUNDS :		
		As per Schedule IV Contn (including Directors Contribution Fund I.S.I. Cont. Provident Fund and General Provident Fund		3,61,42,781.56
3,08,72,175.04		3. GRANT-IN-AID FOR FLOOD ADVANCE TO STAFF :		
		As per last account		7,20,000.00
7,20,000.00		3.1 GRANT-IN-AID FOR HOUSE BLDG. ADVANCE TO STAFF:		
		As per last account	53,50,000.00	
		Add : received during the year	5,00,000.00	
			58,50,000.00	
53,50,000.00		3.2 INTEREST ON HOUSE BUILDING ADVANCE REALISED FROM STAFF :	9,77,308.11	68,27,308.11
7,33,338.77		4. DEPOSITS AND OTHER LIABILITIES :		
		As per Schedule VIII		1,54,22,384.88
1,44,50,341.02		4.1 ADDITIONAL EMOLUMENTS COMPULSORY DEPOSIT :		81,058.53
81,058.53		5. EXCESS OF RECEIPTS OVER EXPENDITURE IN RES- PECT OF PLAN REVENUE GRANT :		
		For the year 1987-88	2,46,071.50	
2,46,071.50		For the year 1991-92	87,190.00	
87,190.00		For the year 1992-93	1,31,145.00	
8,36,145.00		For the year 1993-94	9,25,085.00	
9,25,085.00		For the year 1994-95	21,10,300.00	
			36,60,301.60	
		Less : Recovered during the year	9,25,085.00	26,25,306.50
7,15,000.00		6. EXCESS OF RECEIPTS OVER EXPENDITURE IN RES- PECT OF MISC. PROJECT ACTIVITIES		
		As per Schedule V		31,87,054.90
41,05,272.32		7. EXCESS OF RECEIPTS OVER EXPENDITURE IN RES- PECT OF GRANT RECEIVED FROM GOVERNMENT OF INDIA (NON-PLAN)		
		1987-88	840.54	
840.54		1993-93	891.56	
891.56		1993-94	1,00,722.78	
1,00,722.78			1,02,260.88	
		Less : Recovered/Adjusted during the year	1,02,260.88	
		Add : For the year 1994-95	35,18,851.67	35,18,551.67
		8. EXCESS OF RECEIPTS OVER EXPENDITURE IN RES- PECT OF PLAN CAPITAL		
		As per Schedule IX		16,39,364.58
78,05,952.11		10. NOTES ON ACCOUNTS		
		As per Schedule X enclosed		
22,15,64,012.43				28,51,37,093.48

P-17, Mission Row Extn.
Calcutta-700 013
28th September, 1995

S. SENGUPTA
Accounts Officer

S. S. PANJA
Accounts Officer

SIXTYTHIRD ANNUAL REPORT : 1984-85

AS ON 31ST MARCH 1985

As at 31st March 1981		Property and Assets				As at 31st March 1985	
Rs.	P.				Rs.	P.	
1. FIXED ASSETS :							
6,89,76,018.14		As per Schedule I	..	..	6,89,76,136.12	
18,79,84,153.65		As per Schedule IA	..	..	22,32,93,714.22	28,32,39,850.94
2. INVESTMENT AT COST :							
		Interest accrued on above	..	..	34,20,000.00	
			63,778.00		
34,90,102.63		As per Schedule II	..	..		34,73,779.00
6,41,378.23		3. STOCK OF SUNDRY MATERIALS :				8,32,467.41	
68,603.32		4. REGIONAL PROVIDENT FUND COMMISSIONER				68,603.33	
5. LOANS AND ADVANCES :							
		As Per Schedule III					
29,17,852.58		Statistical Publishing Society	..	..	29,09,384.58	
1,80,98,735.97		Others	..	..	1,48,43,403.49	1,77,62,788.07
60,84,001.00		6.1 HOUSE BLDG. ADVANCES TO STAFF :				63,21,564.00	
6. NET ASSETS ON OTHER FUNDS :							
		As per Schedule IV Contra (excluding Director's Contribution Fund, I.S.I. Cont. Provident Fund and General Provident Fund)					
3,08,72,175.04				3,01,43,784.68	
7. EXCESS OF EXPENDITURE OVER RECEIPTS OF MISC. PROJECT AND ACTIVITIES ON BEHALF OF THE GOVERNMENT OF INDIA AND OTHER BODIES :							
17,15,953.83		As per Schedule V	..	..		16,68,930.42
8. EXCESS OF EXPENDITURE OVER RECEIPTS IN RESPECT OF NON-PLAN REVENUE EXPENDITURE GRANT :							
29,76,872.84		As per Schedule IXA	..	..		29,76,872.84
9. EXCESS OF EXPENDITURE OVER RECEIPTS IN RESPECT OF PLAN REVENUE :							
1,38,067.77		1986-87	..	..	1,38,067.77	
1,48,746.00		1988-89	..	..	1,48,746.00	
3,76,210.00		1989-90	..	..	3,76,210.00	
1,73,670.00		1990-91	..	..	1,73,670.00	8,36,687.77
10. CASH AND BANK BALANCE :							
		As per Schedule VI					
4,70,384.78		Cash in hand	..	..	3,02,016.81	
89,32,320.14		Cash at Bank	..	..	1,05,21,232.26	1,09,13,248.06
18,19,663.60		11. ISI PRINTING AND PUBLICATION UNIT				18,09,124.86	
22,15,64,912.43						28,51,37,690.48	

This is the Balance Sheet referred to our Report of even date.

G. H. MAWJAL
Chief Administrative Officer

S. D. RAO
Director

For B. C. KENNEDY & Co.
Chartered Accountants

B. N. MUKHOPADHYAY
Partner