## REVIEW OF THE ACTIVITIES OF THE INDIAN SOCIETY OF AGRICULTURAL STATISTICS, FOR THE YEAR 1980

The Indian Society of Agricultural Statistics is a Scientific body, founded in 1947 with the object of promating the study of and research in statistical theory and its application to agriculture, animal husbandry, agricultural economics and allied fields. It organises annually a conference where statisticians working in these fields can meet and exchange ideas. It also publishes a Journal to facilitate publication of results of research. The Journal is published in three issues *i.e.* in April, August and December every year. Apart from the Journal, it has been publishing a number of books and research bulletins. It maintains a research unit to undertake research on specific problems of current interest in accordance with the guidance provided by a Research Direction Committee. The activities of the Society during the year under report were as follows:

The membership of the society which is drawn from all parts of India as well as from abroad increased appreciably during the year. In addition to its regular members the Society has a number of institutional subscribers to the Journal in India and abroad. During this year the membership was: life members 141, ordinary members 140, sessional members 26, student members 25, institutional members 34, subscribers 285. There were in all 651 members and subscribers during the year.

So far the society has published 32 volumes of its Journal. The Hindi supplement continues to be a special feature of the Journal. The high standard of the Journal has been maintained due to the efforts of the referees and the editorial board. The society is thankful to them for their devoted work. One of the publications of the society is 'Sampling Theory of Surveys with Applications' by P.V. Sukhatme and B.V. Sukhatme. This has gone

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into a number of prints. The reprint of the revised edition of the book with paper back was brought out two years ago to meet the needs of student community. The book is modestly priced at Rs. 22 and Rs. 18 (the cost price) for the members and is in great demand. Another important publication 'Statistical Methods in Animal Sciences' by Shri V.N. Amble was released a few years back. This book is extremely useful for research workers in animal sciences and about 650 copies of the book have already been sold out. Some other ad hoc publications of the society are 'Contribution in Statistics and Agricultural Sciences', a felicitation Volume published on the occasion of the 60th birthday of late Dr. V.G. Panse, a founder member and for many years the Honorary Secretary of the society, a 'Symposia Volume' containing papers presented at the symposia on 'Measurement of Green Revolution' and 'Statistical Assessment of Intensive Cattle Development Programme'. The publication activities of the society have thus been satisfactory during the year.

A large number of papers were received for publication in the Journal. However, because of limitation of space, it is difficult to publish them without considerable time lag. To accommodate more research papers, printing of one more issue of the Journal devoted to applied type of papers had been commenced from Volume 31 as per decision taken by the general body of the society at an earlier meeting. This has helped in reducing the time lag in the publication of the papers considerably.

The research unit of the society continued to tackle a number of problems of current interest. The report on 'A Scientific Approach to Bufferstock Policy' submitted to the Research Direction Committee earlier has been finalised in the light of the comments received from them. An important finding of the study was that a buffer stock of the order of 20 million tonnes of foodgrains would be required to ensure 90% probability of being able to meet possible deficit from States in the next five years. A study on growth of wheat production in pre-HYV and post-HYV periods was completed and a report on that had also been submitted to the committee. The study revealed that even in the post HYV period the growth of productivity had been modest (a growth rate of 2.28 per cent per annum for All India for the period 1967-68 to 1977-78) and the spectacular increase in output was partly due to increase in area under the crop. Studies on growth rates of other crops, cereals and pulses, was taken up on the lines of the study on wheat mentioned above. Studies on 'Regional imbalances and constraints in agricultural production' are proposed to be taken up in future depending upon the availability of resources.

The problem of the finance for scientific activities of the society and printing of its journal could be solved to a certain extent through grants-in-aid received from the Central and state government and other organisations. The society wishes to acknowledge gratefully the financial assistance received from the Government of India, Council of Agricultural Research and the state Indian government of Maharashtra from time to time.

The society serves as a forum for discussing statistical problems. However, the members also feel that it should strive to impress upon the authorities the need for giving due recognition to statistics as a separate discipline. In the past, it has been customary for employers of statistical personnel to bracket it with the disciplines of mathematics, economics and commerce because qualified and trained statisticians were not available. As a result, posts requiring statistical expertise were often manned by persons without adequate training in statistics. Now with the free availability of persons trained in statistics it is time that the policy in this regard is changed and persons qualified or trained in statistics alone are recruited against statistical jobs.

The society continues to be a member of the International Statistical Institute. It is also a founder member of the Indian Association of Social Science Institutions. In view of the extremely useful scientific activities of the society and its good standing among the scientific societies, the society is being approached for collaboration in scientific activities by other national scientific institutions. During the year under report the society had been approached for suitable cooperation and collaboration by Indiaa Association of Social Science Institutions and Indian National Science Academy.

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The society also collaborated with other learned Scientific Societies connected with agriculture in publishing a felicitation volume containing research contributions of Dr. M.S. Swaminathan, the President of the Society, which was presented to him at a special function.

The last (33rd) annual conference of the society was held from 21st to 23rd December, 1979 at Trichur under the auspices of Kerala Agricultural University. The conference was inaugurated by Shri N.N. Kaleeswaran, Vice-Chancellor of Kerala Agricultural University. Dr. G.R. Seth, former Director of Indian Agricultural Statistics Research Institute, the President elect, delivered the technical address on 'Some thoughts on statistical inference about finite populations'. Two symposia, one on 'Status of statistics of inland fisheries and their development in India' and the other on 'Design and analysis of experiments of horticultural and plantation crops' were organised during the conference. Dr. A.V. Natrajan, Director, C.I.F.R.I., presided over the first and Dr. P.C.S. Nair, Dean, College of Horticulture, Kerala Agricultural University, presided over the second symposium. Dr. Rajendra Prasad Memorial Lecture on 'Trends in Agricultural Production : Problems of Analysis and Interpretation' was delivered by Dr. A. Vaidyanathan, Centre for Development Studies, Trivandrum. The lecture was presided over by Dr. S.S. Potti, Director of Extension Education, Kerala Agricultural University, Trichur. Dr. V,K. Sukumaran Nair, Vice-Chancellor, University of Kerala, Trivandrum, delivered a popular lecture which was presided over by the Sessional President, Dr. G.R. Seth. There were two sessions for reading of contributed papers, one session was presided over by Dr. G.R. Seth and the other by Dr. P.U. Surendran, Prof. of Statistics, Kerala Agricultural University, Trichur. The society is grateful to all of them for sparing their valuable time and making the conference a great success.

Dr. Panse memorial lecture on "Agriculture in growth: changing research and data needs for effective policy" was delivered this year by Prof. John W. Mellor, Director, International Food Policy Research Institute, Washington. The lecture was presided over by Dr. M.S. Swaminathan, President of the society.

#### REVIEW OF THE ACTIVITIES OF THE SOCIETY

The railway authorities, as in the past, gave travel concession to the members of the society and delegates to the 33rd Annual Conference to enable them to attend the Conference at Trichur. The society records its grateful thanks to the railway authorities.

The statement of audited accounts of the society for the year ending March, 1980 is enclosed. The audit has been carried out by a professional auditor as usual.

The work of the society during the year was made possible through the active help of the members of the Executive Council of the society, the editorial board, and the research direction committee. The society is also thankful to Dr. B.B.P.S. Goel for his help in preparing the Hindi supplement of the journal. The burden of the entire secretariat of the society has been willingly borne by my colleagues, Shri S.D. Bokil, Dr. K.C. Raut and Dr. B.B.P.S. Goel, Joint Secretaries of the Society. In the end, I have to thank the staff of the society for their devoted work.

# INDIAN SOCIETY OF AGRICULTURAL STATISTICS, PUSA, NEW DELHI Balance Sheet as on 31st March, 1980

| Liabilities                                    |  | Current<br>year | Assets  |                 | Current<br>year |
|--|--|-----------------|---|-----------------|-----------------|
| General Reserve<br>Balance as per last B/Sheet | 1,35,750.10                                  |                 | Cash in Hand.<br>Balance with State Bank of Inc   | dia, New Delhi. | 244.83          |
| Add : Excess of Income over a                  | 4,345,22                                     |                 | In Current Account                                | 635.00          |                 |
| Expenditure                                    | ·,· ···                                      | 1,40,095.32     | In Saving Account                                 | 1,233.53        | 1,868.53        |
|  | <u>.                                    </u> |                 | Balance with Syndicate Bank (<br>New Delhi        | (Pusa)          | •               |
| Publication Fund                               | ,  | 30,819.81       | In Saving Bank                                    | 21,837.04       |                 |
| Membership Fees Received                       |  |                 | In Current Account                                | 743.81          | 22,580.85       |
| in advance for 80-81                           | 1,209.50                                     |                 |   |                 |                 |
| for 81-82                                      | 100.00                                       |                 | Fixed Deposit with SBI. Parlie<br>Membership Fees | ament Street    | 1,00,000.00     |
| 82-83  | 100.00                                       |                 | -   | 4.00            |                 |
| 83-84  | 1 <b>00</b> .00                              |                 | -   | 1,00            |                 |
| 84-85  | <b>50.0</b> 0                                | 1,559.50        |   |                 | •               |
| <b>- -</b> .                                   |  |                 | 820   | ),00            |                 |
| Capital Reserve Fund<br>(Life Membership Fee)  |  |                 | Less : Written of 820,00                          |                 |                 |
| Balance as per last B/Sheet                    | 4,403.00                                     |                 | Due for 78-79                                     | 2,044,00        |                 |
| Additions during the year                      | 4,455.00                                     | 8,858.00        | Less: Recovered                                   | 180.00          |                 |
| Advance Subscription for Journal               |  |                 |   | 1,864.00        |                 |
| Vol. 31  |  | 1               | Less: Written off                                 | 1,154.00        |                 |
| Vol. 32  | 4,892.74                                     |                 |   | 710.00          |                 |
| Vol. 33  | 126.04                                       | 5.018.78        | Due for 1979-80                                   | 2,194.00        | 2,904,00        |

| Sundry Creditors<br>For Audit Fees  | 450.00    |             | Outstandings for sale of Books<br>Advance to M/s. R.K Printers                        | . Š                                  | 430.50          |
|---|-----------|-------------|---|--------------------------------------|-----------------|
| For Printing  |           | 450.00      | (For printing of Journal)<br>Fixed Assets Furniture                                   |                                      | 2,000.00        |
| Research Unit<br>Balance as per last B/Sheet<br>Less: Advanced during the | 5,104.54  | · .         | Balance as per last B/Sheet<br>Less: Dep. w/off                                       | 399.00<br>40.00                      | <b>35</b> 9.00  |
| year  | 19,125.53 | -           | Cooler  |                                      |                 |
| (Balance due as per contra)   | 14,030.99 |             | Balance as per lost B/Sheet<br>Less : Dep. w/off                                      | 217.00<br>33.00                      | 18 <b>4.0</b> 0 |
|   |           |             | Library Books<br>Stock in Hand  |                                      | 82.65           |
| · .   |           |             | Journals  | 7,749.80                             |                 |
|   |           |             | Symposium Vol.  | 1.00                                 |                 |
| · · ·   | ·· · ·    |             | Published Books   | 22,455.63                            | 30,206.43       |
| ne de la composition<br>1993  | • •       |             | Defficiency Account (Journal)<br>Balance as per last B/Sheet<br>Add: For Current year | 10,484.18<br>1,425.45                | 11,909.63       |
|   | . •       |             | Advance Research Unit<br>(As per contra)  | · _ *                                | 14,003.99       |
|   | -         | 1,86,801.41 | 1,84,974.25   |                                      | 1,86,801.41     |
| 64, Regal Buildings<br>New Delhi-110 001<br>Dated : 18-11-1980            |           |             | · · · ·   | Shatnagar & Co.<br>Sd/-<br>IATNAGAR) | , <u> </u>      |

Subject to our report of even date

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Chartered Accountant

REVIEW OF THE ACTIVITIES OF THE SOCIETY

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#### INDIAN SOCIETY OF AGRICULTURAL STATISTICS 'RESEARCH UNIT'

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Balance-Sheet as on 31-3-1980

| Liabilities  |  | Current<br>Year | Assets   |   | Current<br>Year |
|--|--|-----------------|--|---|-----------------|
| General Reserve  | ,<br>, , , , , , , , , , , , , , , , , , , |                 | Fixed Assets   |   |                 |
| Balance as per last B/Sheet                            | 11,324.20                                  |                 | Balance as per last B/Sheet                                | 12,957.85   |                 |
| Less: Deficiency for the year                          | 1,616.53                                   | 9,707.67        | Add: Additions during the year                             | 3,197.56  |                 |
|  |  |                 |  | 16,155.41   |                 |
| Capital Reserve  |  |                 | Less : Sold during the year                                | 62.05   |                 |
| Balance as per last B/Sheet                            | 6,835.19                                   |                 |  | ·   |                 |
| Addition during the year                               | 3,197.56                                   | 10,032.75       |  | 16,093,36   |                 |
| Expenses Payable                                       |  | -               | Less : Depreciation/W/Off                                  | 1,849.95  | 14,243.41       |
| Audit Fees   |  | 350.00          | Deposit with Post Office (P.F.A/c.)                        |   | 894.25          |
| P.F.A./c, (Sh. Bhawani Dutt)                           | 1,616.23                                   |                 | Advance to staff (Sh. Bhawani Dutt)                        |   | 100.00          |
| Less : Against P.F.                                    | 500.00                                     | 1,116.25        | Indian Society of Agricultural Statistic<br>Cheque in hand | <i>s</i> .  | 20,000.00       |
| Indian Society of Agricultural Statistics              |  | 14,030.99       | (Received from Ministry of Agriculty<br>and Irrigation)    | ure   |                 |
| •<br>• • •   |  | 35,237.66       |  |   | 35,237.66       |
| 64, Regal Building,<br>New Delhi<br>Dated : 18-11-1980 |  | )               | (C.S.  | . Bhatnagar an<br>Sd/-<br>BHATNAGAI<br>tered Accounta | R)              |

| Particulars   | Current<br>Year     | Particulars  | Current<br>Year |
|---|---------------------|--|-----------------|
| To Establishment Charges<br>To General Charges        | 28,622.10<br>716.27 | By Grant in Aid Sanction by Govt. of<br>India, Ministry of Agriculture and Irri-<br>gation | 40,000.00       |
| To Stationary and Printing<br>To Audit Fees           | 1,151.96<br>350.00  | Less : Utilised for Capital Expenditure  | 3,197.56        |
| To Employer's Contribution to P.F,                    | 156.00              |  | 36,802.44       |
| To Telephone Expenses<br>To Travelling and Conveyance | 810.00<br>940.10    | By Defficiency for the year  | 1,616.53        |
| To Liveries to Staff                                  | 480.47              | · · · · · ·  |                 |
| To Postage  | 1,083.12            |  |                 |
| To Entertainment                                      | -                   | · · ·  |                 |
| To Printing of Research Unit Papers                   | 1,685.00            |  |                 |
| To Advertisement                                      | 574.00              | ·  |                 |
| To Depreciation W/Off                                 | 1,849.95            | $e_{\mu} = e^{\mu}$ .  |                 |
|   | 38,418.97           |  | 38,418.97       |

INCOME AND EXPENDITURE ACCOUNT FOR The Year Ending 31-3-1980

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Checked and certified correct in accordance with books, vouchers and informations provided to us.

64, Regal Building, New Delhi. Dated : 18-11-1980

For C.S. Bhatnagar and Co. Sd/-(C.S. BHATNAGAR) Chartered Accauntant ACTIVITIES OF THE SOCIETYREVIEW OF THE

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| Receipts   |            | Amount    | Payment                          | Amount    |           |
|--|------------|-----------|----------------------------------|-----------|-----------|
| By Grant in Aid received from<br>By Advances from Indian Socie |            | 40,000.00 | To Revenue Expenditure           |           | <u> </u>  |
| Statistics   |            | 19,135.53 | Srlaries                         | 28,622,10 |           |
| By Recovery of loan against P.I                                | 7.         | 25.00     | General charges                  | 716.27    |           |
| By Employees contribution to 1                                 |            | 13.00     | Statronary and Printing          | 1,151.96  |           |
|  |            | 15.00     | Audit Fees                       | 350.00    |           |
|  |            |           | Telephone Expenses               | 810.00    |           |
| ly Recovery of Loan from Sh. Bh                                | awani Dutt |           | Travelling and Conveyance        | 940.10    |           |
| Flood Relief Loan  | 300.00     |           | Liveries to Staff                | 480.47    |           |
| Festival Advance   | 160.00     | 460.00    | Postage                          | 1,083.12  |           |
| . •*   |            |           | Advertisement                    | 574.00    |           |
| By Sale of Old cycle   |            | 62.05     | Printing of Research Unit papers | 1.685.00  | 36,413.02 |

## INDIAN SOCIETY OF AGRICULTURAL STATISTICS (RESEARCH UNIT) Receipts and Payment Account for the year ending 31-3-1980

|               | To Capital Exp <b>en</b> diture                                 |          |           |
|---------------|---|----------|-----------|
|               | Cost of 2 Coolers   | 2,000.00 |           |
|               | Cost of 2 Calculators   | 726.00   |           |
|               | Cost of Library Books   | 471.56   | 3,197.56  |
|               | To Employees contribution to P.F.<br>deposited in P.O.          |          | 85.00     |
|               | To Cheque in Hand (from Ministry of Agriculture and Irrigation) |          | 20,000.00 |
| <br>59,695.58 |   |          | 59,695.58 |

Checked and certified correct in accordance with stocks, vouchers and informations provided to us.

| 64 Regal Buildings,<br>New Delhi-100 001 |   | •   |   | For C. S. Bhatnagar and Co.<br>Sd/ |
|--|---|-----|---|------------------------------------|
| Date: 18-11-1980                         |   | • • | • | (C. S. BHATNAGAR)                  |
| ••                                       | ÷ |     |   | Chartered Accountant               |
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| Particulars                           |                      | Current<br>year | Particulars                                 | Current<br>year  |
|---------------------------------------|----------------------|-----------------|---|--|
| To Salaries and Honorarium            | 3,890.00             |                 | By Ordinary Membership Fees                 | 6.366.00   |
| Less: 3/4 transferred to Journal A/c. | 2,917.50             | 072.60          | By Int. on Saving Bank Account              | 1,180.71   |
| Journal Ale.                          | 2,917.50             | 972.50          | By Int. on Fixed Deposits                   | 2,560.00   |
|                                       |                      |                 | By Miscellaneous Income                     | 280.00   |
| To other Expenses                     |                      | 1 g - 1 - 4     | By Sale of Symposium Volume                 |  |
| Postage                               | -1,133,63            |                 | By Grant for Projects                       | n and and an and an and an |
| Printing and Stationary               | 7 49.86              |                 | By Grant from Govt. of Maharashtra          | : <u> </u>   |
| Bank Charges                          | 56.00                |                 | By Grant from I.C.A.R.                      | 5,000.00   |
| Conveydnce                            | 63.25                |                 | By Profit on Published Books                | 96 <b>1.0</b> 9  |
| General Charges                       | 12.00                |                 | e se en |  |
| Audit Fees                            | 455.00               |                 |   |  |
| Entertainment                         | 122.25               |                 | W   | · ·  |
| Advertisement                         | 100.00               |                 |   | • •  |
|                                       |                      |                 |   |  |
|                                       | 2,686.99<br>2,015,24 | 671.75          |   |  |

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| To Expenses on Dr. Panse Memorial Lectures  | 1,486.13  |  |
|---|-----------|--|
| To Annual Conference Expedses   | 6,682.50  |  |
| To Membership Fees due for more than 2 years w/off.   | 820.00    |  |
| To Membership Fees of Statistical Institute   | 200.00    |  |
| To Membership fee for 1978-79 w/off   | 1,154.00  |  |
| To Depreciation woff  |           |  |
| Furniture   |           | the second s |
| Cooler 3300   | 73.00     |  |
| To Excess of Income over Expenditure  | 4,345.22  |  |
| 27,424.06   | 16,405.10 | 16,405.10  |
|   |           |  |
|   |           |  |
|   |           |  |
| 64, Regal Buildings,<br>New Delhi-110 001.<br>Dated : 18-11-1980<br>Subject to our report of even | date      | For C.S. Bhatnagar & Co.,<br>Sd/-<br>(C.S. BHATNAGAR)<br>Chartered Accountant                                  |

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| Particulars   | Current year  | Particulars  | Current year  |
|---|---|--|---|
| To Opening StockTo Printing Charges Vol. 31)11,783.50To Printing Charges of Re-prints1,930.00To Staff Salaries1,930.00To other Expenses70To Postage Expenses70To Printing of Envelope10 | 6,935.22<br>13,713.50<br>2,917.50<br>2,015.24<br>3,766.75<br>879.75 | By Sales and Subscription of<br>Current Volume (Vol. 31)<br>By Sale of Back Volumes<br>By Sale of Reprints<br>By Closing Stock<br>By Loss Transferred to B/Sheet | 16,149,41<br>3,491.00<br>1,412.30<br>7,749.80<br>1,425.45 |
| 5,654.94  | 30.227.96   | 26,654.94  | 30,227.96   |
| 64, Regal Buildings,<br>New Delhi-110 001   |   | For C.S. B   | hatnagar and Co.<br>Sd/                                   |

# Income and Expenditure A/C (Journal) Volume 31 for the Year Ending 31-3-1980

The papers received during 1980 for publication in the journal of the Society were sent to the following referees for critical examination. The council of the Society and the Editorial Board express sincere thanks for the valuable service rendered by them.

11.1

- 1. Dr. Ravinder Singh Associate Prof. of Statistics, Deptt. of Maths. and Statistics Punjab Agricultural University, Ludhiana-141004.
- 2. Dr. O.P. Kathuria Senior Scientist, I.A.S.R.I., New Delhi-110 012
- 3. Dr. A.K. Srivastava Scientist S-2, I.A S.R.I., New Delhi-110012.
- 4. Dr. P.C. Gupta Reader in Statistics Deptt, of Maths. and Statistics Gujarat University, Surat-395007.
- 5. Dr. Randhir Singh Scientist S-2, I.A.S.R.I., New Delhi-110012.
- Dr. Jagbir Singh Prof. of Statistics Temple University, School of Business Administration Philadelphia, Pennsylvania-19122.
- Dr. S.N. Singh, Prof., Deptt, of Maths. Stat,, and Director, Demographic Research Centre, Banaras Hindu University, Varanasi-221005.
- Dr. B.B.P.S. Goel Scientist S-3, I.A.S.R.I., New Delh:-110012.
- Shri K.S. Krishnan Scientist S-3, I.A.S.R I., New Delhi-110012.

- Dr. B. Adhikari Deptt. of Statistics, University College of Science, Calcutta-700019.
- Dr, D. Ragbavarao Prof., Deptt. of Statistics. Temple University, Philadelphia Pa-19122, U.S.A.
- 12. Dr. P.D. Puri, Asstt. Prof. of Maths. and Statistics Haryana Agricultural Univ, Hissar.
- 13, Shri U.G. Nadkarni Scientist S-2, I.A.S.R.I., New Delhi-110 012.
- Dr. J. Sarangi Prof. and Head, Deptt. of Statistics, Utkal University, Vani Vihar, Bhubaneswar 751 004
- Dr. Murari Singh Deptt. of Math. Concordia Univ.
  Sir George William's Campus, 1455 De-Maisonneuveblyd West Montreal, Quèbec H3GIM8, Canada.
- Dr. M.L. Tiku Deptt. of Mathematical Sciences, Mcmaster University, 1280, Main Street West, Hamiiton, Ontario, Canada L8S4K1.
- Dr. B.V.S. Sisodia Scientist, Division of L.E.S., I.V.R.I., Izatnagar-243 122.
- Dr. P. Kumar Scientist, Agricul. Economics Division, I.A.R.I., New Delhi-110 012.

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- 19. Dr. V.P. Manglik Associate Prof. of Statistics Govind Ballabh Pant University of Agriculture and Technology, Pantnagar Distt. Nainital (U.P.)
- 20. Dr, D.D. Joshi Prof. and Head, Deptt. of Statistics, Institute of Social Sciences Agra-282003.
- 21. Dr. A. Sahai Reader in Statistics, Deptt. of Mathematics, Rorkee University, Roorkee.
- 22. Dr. A.K. Nigam Scientist S-3, I.A.S.R.I.,

New Delhi-110 012.

- 23. Shri P.N. Bhargava Scientist S-3, I.A.S.R.I., New Delhi-110 012.
- 24 Shri S.K. Raheja Senior Scientist I.A.S.R.I., New Delhi-110 012.
- 25. Dr. D.N. Jha Scientist, I.A.R.I. New Delhi-110 012.
- 26. Dr. T. Jacob Sr. Scientist and Head, FRA Div. CMFRI Annexe, S.T. Reddier Press Building, Cochin-682 011.
- 27. Shri M.P. Jha Head, Division of Crop Forecasting Methodology, I.A.S.R.I., New Delhi-110 012.
- Dr. C.C. Maji Asstt. Director General, I.C.A.R., Krishi Bhavan, New Delhi-110 001.

- 29. Dr. R.K. Pandey Head, Division of Econometrics, I A S.R.I., New Delhi-110 012.
- 30. Shri S.D. Bokil Head, Division of Sample Survey, I.A.S.R.I., New Delhi-110 012.
- 31. Dr. Shivtar Singh Scientist S-2, I A.S.R.I., New Delhi-110 012.
- Dr. M.N. Deshpande Deptt. of Maths. and Stats., Institute of Science, Aurangabad-431 00<sup>1</sup>.
- 33. Dr. A.V. Kharashikar Deptt. of Statistics, University of Pune, Pune-7.
- 34. Shri S C. Bhogle Deptt. of Maths. and Stats., Marathwada University, Aurangabad-431004.
- 35. Shri C.P. Han Prof. of Statistics, Snedecor Hall, Iowa State University, Iowa, (U.S.A.)
- 36. Shri C.G. Khatri Prof. of Statistics Gujarat Unive ity, Ahemadabad.
- Dr. K.B. Pathak Prof. of Statistics, International Institute of Population Studies, Deonar, Bombay
- Dr. J. Singh Prof. of Statistics, Vikram University, Ujjain.
- Dr. S.P. Mukherjee Deptt. of Statistics, 35-Bally-gunj, Circular Road, Calcutta.700 019.