

## REVIEW OF THE ACTIVITIES OF THE INDIAN SOCIETY OF AGRICULTURAL STATISTICS, FOR THE YEAR 1980-81

The Indian Society of Agricultural Statistics is a Scientific body for promoting the study of and research in Statistical theory and its application to agriculture, animal husbandry, agricultural economics and allied fields.

It may not be out of place to recall that the desire to form this Society in 1947 came from the statistical workers of the Indian Council of Agricultural Research, those of the Institute of Plant Industry (now College of Agriculture), Indore and those working under the provincial and State Departments of Agriculture and Animal Husbandry. Accordingly, the Society was inaugurated on the 3rd of January, 1947 and we had the good fortune to have the Hon'ble late Dr. Rajendra Prasad, the then Minister for Agriculture, Govt. of India as its first President. Eminent Statisticians Dr. P.V. Sukhatme and late Dr. V.G. Panse were instrumental in the founding of this Society and in its development over the years. We are very happy that Dr. Sukhatme, who is the executive President of the Society, is amongst us today to guide the deliberations of the society's Conference. We are very grateful to you Sir, for your kind presence today.

The functions of the Society are to organise annually a Conference in different parts of the country where statisticians working in these fields can meet and exchange ideas and to publish a scientific Journal as well as other books and research bulletins. It also 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. As decided at the last General Body Meeting of the Society at Lucknow a new category of membership *viz.* permanent membership of the Institutions was introduced during the year and I am

happy to inform that three institutions whose names are given in the Souvenir have already taken advantage of our offer. Since the fee for permanent membership of the institutions has been fixed at a modest rate of Rs. 1,000. I am sure that many more institutions will become permanent member of the Society in the coming year. In addition to regular members the Society has a number of institutional subscribers to its Journal in India and abroad. During this year the membership was : Permanent Institutional members 3, life members 218, ordinary members 126, sessional members 42; student members 25, institutional members 33, subscriber (Indian) 211 and foreign 106. Thus there were in all 764 members and subscribers during the year.

So far the Society has published 33 volumes of its Journal and it is a matter of great satisfaction that publication of the Journal is going on according to time schedule. 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 into a number of prints. The reprint of the revised edition of the book with paper back was brought out three years ago to meet the needs of student community. The book is modestly priced at Rs. 22 and is supplied to the members for Rs. 18 (the cost price) and is in great demand. More than 725 copies of the paper back edition have already been sold and demands continue to pour in. Besides the students a number of book-sellers are also requesting for copies of the book for further sale. 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 reasearch workers in animal sciences and about 560 copies of the book have already been sold out. Some other ad-hoc publications of the Society are 'Contributions 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 Assesment of Intensive Cattle Development Programme'. The publication activities of the Society have been thus satisfactory during the year.

A large number of papers were received during the year 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 paper had been commenced from Volume 31 as per decision taken by the General Body of the Society. 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 Buffer Stock Policy' has already been finalised. A study on growth of wheat production in pre-HYV and post-HYV periods was also completed. A research paper based on this study has been published in the Journal Agricultural Situation in India. Studies on growth rates of other crops, cereals and pulses have now been taken up on similar lines.

The study on rice has indicated that during the post-HYV period (1967-68 to 1978-79), the production of the crop on all-India basis has been increasing at 3.04 per cent per annum. However, there is stagnation in area under the crop in the traditional rice growing states such as Karnataka, Kerala, Tamil Nadu, Bihar and Orissa and the growth in production is the result of yield improvement only. In Punjab and Haryana on the other hand, there has been increase in both acreage as well as yield. The study on pulses has shown that there is stagnation in area and improvement in productivity is almost negligible. Studies on 'Regional imbalances and constraints in agricultural production' are proposed to be taken up.

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 governments and other organisations. The Society wishes to acknowledge gratefully the financial assistance received from the Government of India, Indian Council of Agricultural Research and Government of Maharashtra State during the year under report.

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 collaborating in scientific activities with other national scientific institutions like Indian Association of Social Science Institutions and Indian National Science Academy.

The last (34th) Annual Conference of the Society was held from 23rd to 25th December, 1980 at Lucknow under the auspices of Department of Agriculture, Uttar Pradesh. Shri Shumshad Ahmad, Agricultural Production Commissioner, Uttar Pradesh welcomed the delegates and the Conference was inaugurated by Shri-Balram Singh Yadav, Honorable Minister for Agriculture and Animal Husbandry, Uttar Pradesh. Dr. K.C. Seal, Director General, Central Statistical Organisation, Govt. of India; the President elect, delivered the technical address on 'Agricultural Statistics and National Income Estimates'. Two symposia, one on 'Inter-regional Disparities in Growth Rates' and the other on 'Use of Ancillary Information in Sampling and Experimental Design' were organised during the Conference. Dr. P.V. Sukhatme, presided over the first and Dr. M.N. Das, Director, Central Water Commission, Govt. of India presided over the second symposium. Dr. Rajendra Prasad Memorial Lecture on 'Making the most of our rural populations production potential productivity' was delivered by Dr. V. Kurien, Chairman, National Dairy Development Board, Anand. The lecture was presided over by Dr. M.S. Swaminathan, Member (Agriculture) Planning Commission, Govt. of India, New Delhi. There were two sessions for reading of contributed papers, one presided over by Dr. B.N. Tyagi, Additional Director of Agriculture (Statistics) Uttar Pradesh and other by Prof. O.P. Srivastava, Haryana Agricultural University, Hissar. The Society is grateful to all of them for sparing their valuable time and making the conference a great success.

The Society continued to provide financial assistance to deserving research scholars to enable them to attend Society's Conference for presenting their papers. During the last year such financial assistance was given to 17 persons.

Dr. Panse Memorial Lecture on 'Agricultural Growth in India and South East Asia: Comparative Growth Performance' was delivered this year in July by Dr. R.N. Poduval, former Economic and Statistical Adviser, Govt. of India. The lecture was presided over by Dr. M.S. Swaminathan, Member (Agriculture) Planning Commission, Govt. of India, New Delhi.

The railway authorities, as in the past, gave travel concession to the members of the Society and delegates to the 34th Annual Conference to enable them to attend the Conference at Lucknow. The Society records its grateful thanks to the railway authorities.

The statement of audited accounts of the year ending March, 1981 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 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.

Before concluding, I would like to place on record, on behalf of the Executive Council, our grateful thanks to Dr. D. Singh, till recently Secretary, for his valuable services to the Society over a number of years.

Thank you.

*Secretary*

**INDIAN SOCIETY OF AGRICULTURAL STATISTICS, PUSA, NEW DELHI**  
**Balance Sheet as on 31st March, 1981**

<i>Liabilities</i>	<i>Amount</i>	<i>Assets</i>	<i>Amount</i>
<i>General Reserve</i>		<i>Cash &amp; Bank Balance</i>	
Balance as per last B/sheet	1,40,095.32	Cash in Hand	130.51
Add : Excess of income over Expenditure	14,831.49	State Bank of India, New Delhi Current Account	1,223.61
	1,54,926.81	(Saving Account)	2,412.88
<i>Publication Fund</i>		Syndicate Bank (Pusa) New Delhi (Saving Amount)	40,561.47
	30,819.81	Syndicate Bank (Pusa) New Delhi (Current Account)	2,163.71
<i>Membership Fees Received</i>		Cheque in Hand	1,000.00
in advance for 80-81	—		47,492.18
81-82	811.00	<i>Fixed Deposits</i>	
82-83	50.00	State Bank of India, Parliament Street, New Delhi	88,100.00
83-84	53.00	Syndicate Bank, Pusa, New Delhi	4,0000.00
84-85	—		1,28,100.00
	911.00	<i>Membership Fees</i>	
<i>Capital Reserve Fund</i>		Due for 79-80	2,904.00
(Life Membership Fee)		Less : Recovered	650.00
Balance as per last B/Sheet	8,858.00		2,254.00
Additions during the year	13,579.00	Less : Written off	1,294.00
	22,437.00		860.00
		Add : Due for 1980-81	2,484.00
			3,444.00

*Advance Subscription for Journal*

Vol. 32	—	
Vol. 33	2,750.79	
	<u>2,750.79</u>	2,750.79

*Expenses Payable*

Audit Fees	450.00	
Salary (Sh. A. Bansal)	900.00	
	<u>1,350.00</u>	1,350.00

*Advance from Research Unit*

Balance as per centre		4,833.33
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2,18,033.74

*Fixed Assets*

<i>Furniture</i> : Balance as per last B/Sheet	359.00	
<i>Less</i> : Transferred to Research Unit	359.00	
	<u>—</u>	
<i>Cooler</i> : Balance as per last B/Sheet	184.00	
<i>Less</i> : Transferred to Research Unit	184.00	
	<u>—</u>	
<i>Library Books</i> : Balance as per last B/Sheet	82.65	
<i>Less</i> : Transferred to Research Unit	82.00	
	<u>—</u>	
<i>Stock in Hand</i> : Journals	7,963.00	
Symposium Volume	1.00	
Published Books	19,026.09	
	<u>26,990.09</u>	
<i>Deficiency Accounts (Journal)</i>		
Balance as per last Balance Sheet	11,989.63	
<i>Add</i> : Less for the current year	2,060.87	
	<u>13,970.50</u>	
<i>Less</i> : Grant from ICAR for 78-79	1,963.03	
	<u>12,007.47</u>	
<i>Advance to Research Unit</i>		
Balance as per last Balance Sheet	14,030.99	
<i>Add</i> : Assets-transferred	625.65	
	<u>14,656.64</u>	
<i>Less</i> : Received (As per centre)	19,494.97	
	<u>4,838.33</u>	
	<u>2,18,033.74</u>	

64, Regal Buildings,  
New Delhi-110 001  
Dated : 25-9-1981  
Subject to our report of even date

For C.S. Bhatnagar & Co.  
Sd/-  
(C.S. BHATNAGAR)  
Chartered Accountant

**INDIAN SOCIETY OF AGRICULTURAL STATISTICS, PUSA, NEW DELHI**  
**Income & Expenditure Account for the Year Ending 31-3-1981**

<i>Particulars</i>	<i>Amount</i>	<i>Particulars</i>	<i>Amount</i>
To Salaries & Honorarium	4,836.00	By Ordinary Membership Fees	8,633.50
Less : 3/4 transferred to Journal a/c	3,626.26	By Intt. on Savings Bank Account	1,073.85
	1,208.75	By Intt. on Fixed Deposits	16,080.40
<i>To Other Expenses</i>		By Miscellaneous Income	156.00
Postage	806.18	By old difference in Bank A/c. W/off	1,474.95
Bank Charges	39.55	By sale of symposium volume	45.00
Conveyance	104.90	By Grant from Govt. of Maharashtra	1,000.00
General Charges	295.02	By Grant from I.C.A.R.	5,000.00
Audit Fees	450.00	By profit on Published Books	469.51
Entertainment	102.88		
Advertisement	—		
	1,795.53		
Less : 3/4 transferred to Journal a/c	1,346.66		
	448.88		
To Annual Conference Expenses	13,130.34		
To old outstanding for sale of books W/off	430.50		
To membership fees of International Statistical Institute	889.25		



To membership for Indian Association of Social Sciences Institution	200.00
To membership fee for 1979-80 W/off	1,294.00
To contribution to Dr. M.S. Swaminathan Felicitation Volume	1,500.00
To Excess of Income over Expenditure	14,831.49
	<u>33,933.21</u>

33,933.21

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For C.S. Bhatnagar & Co.  
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(C.S. BHATNAGAR)  
Chartered Accountant

**INDIAN SOCIETY OF AGRICULTURAL STATISTICS PUSA, NEW DELHI**  
**Income & Expenditure A/c (Journal) for the year ending 31-3-1981**

<i>Particulars</i>	<i>Amount</i>	<i>Particulars</i>	<i>Amount</i>
To Opening Stock	7,749.80	By Sales and Subscription of Current Volume (Vol. 32)	16,494.20
To printing Charges (Vol. 32)	13,130.00	By Sale of Back Volumes	5,265.00
To printing Charges of Re-prints	2,232.00	By sale of Re-prints	730.05
To staff salaries	3,626.25	By closing stock	7,963.00
To other Expenses	1,346.65	By Net loss transferred to Balance Sheet	2,060.87
To postage Expenses	3,108.65		
To printing of Envelopes	1,199.00		
To packing Material	59.77		
To Typing Charges	45.00		
	32,503.12		32,503.12

**INDIAN SOCIETY OF AGRICULTURAL STATISTICS PUSA, NEW DELHI (RESEARCH UNIT)**  
**Income & Expenditure Account for the year ending 31-3-81**

<i>Particulars</i>	<i>Amount</i>	<i>Particulars</i>	<i>Amount</i>
To Establishment Charges	34,787.00	By Grant in Aid from Govt. of India	
To General Charges	176.98	Ministry of Agricultural &	
To Stationery and Printing	1,272.20	Irrigation	40,000.00
To Audit Fees	450.00	<i>Less</i> : Utilized for Capital Expenditure	—
To Employers Contribution to P.F.	159.00	By Deficiency for the year	2,103.03
To Telephone Expenses	870.00		
To Travelling and Conveyance	574.15		
To Liveries to staff	95.92		
To postage	802.18		
To Entertainment	32.60		
To printing of Research Unit papers	1,260.00		
To Advertisement	—		
To Depreciation W/off	1,652.03		
	42,103.03		42,103.03

64, Regal Buildings  
 New Delhi-110 012

*Dated* :  
 Subject to our report of even date

For C.S. Bhatnagar & Co.  
 Sd/-  
 (C.S. BHATNAGAR)  
 Chartered Accountant

**INDIAN SOCIETY OF AGRICULTURAL STATISTICS PUSA, NEW DELHI (RESEARCH UNIT)**  
**Receipt and payment Account for the year ending 31-3-1981**

<i>Receipt</i>	<i>Amount</i>	<i>Payment</i>	<i>Amount</i>
<b>By Grant in Aid Received from the Govt. of India</b>	40,000.00	<i>To Revenue Expenditure</i>	
<b>By Indian Society of Agril. Statistics</b>	505.03	Salaries	34,757.00
<b>By Recovery of Loan from Sh. Bhawani Dutt (Peon)</b>		General Charges	176.98
Flood Relief Loan	100.00	Stationery and Printing	1,272.20
Festival Advance	140.00	Audit Fees	350.00
	240.00	Telephone Expenses	870.00
		Travelling and Conveyance	574.15
		Liveries to staff	96.62
		Postage	802.18
		Entertainment	32.60
		Printing of Research Unit papers	1,260.05
		To Employers Contribution to P.F. Deposited in P.O.	315.06
		To Employees Contribution to P.F. Deposited in P.O.	30.00
		To Festival Advance to Bhawani Dutt	200.00
	40,745.03		40,745.03

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 Chartered Accountant