the interest pattern of a group of delinquent children and compares it with those of normal school-going children and the children living in aluma under the same socio-seconomic conditions as that of the delinquents. It was observed that there was a marked similarity between the interest patterns of the delinquents and the children living in the slum area, whereas it differed significantly from that of normal children. It can be concluded that there was nothing inherent in these children which made them delinquents. Utter poverty, lack of cituation, neglect at home oto, might be said to be responsible for provoking such anti-social behaviour in the children. Finally, with the help of the responses of these three groups of children on different items of the interest inventory, a delinquency scale was developed which could be used for detecting prospective delinquents. (S156) Psych/1699.

167. A comparative study of several objective methods suitable for interpreting individual's set of scores in vocational guidance:

In a guidance situation, the main problem of a counsellor is to find out the suitable occupation or field of study for the candidate on the basis of several measurements through a series of tests. In this study, several objective methods available for interpreting the test scores are presented along with empirical illustrations. Generally, guidance is to be provided under two different situations viz., (a) Clearly defined criterion groups are available and the performances of these groups on the tests used by the counsellor are at hand. The candidate is to be classified into that group which he matches most. (b) No criterion group is available and the candidate is to be classified on the basis of the probability of success in different fields.

The available methods of classification are grouped on the basis of these two situations. Finally, the merits and demerits of the methods are critically discussed. (S157), Psych/2/60.

158. The predictive ability of a differential aptitude test battery -a follow-up study:

A differential aptitude test battery was developed to help in allocating students to different streams of study after class VIII. In this study, the predictive ability of this battery was investigated by following the students who took these tests at class VIII. There were two criteria available: (a) the school examination marks obtained after two years, (b) the Higher Secondary examination marks obtained after three years. Multiple correlations of the tests included in the battery with these criteria ranged from .48 to .80 with the median of .61. All these correlations were significant except one and another coefficient was just below the significant value at the 5% level. This proves the validity of the test battery. (S188), Psych/3/69.

159. Validity study of a selection test battery used for selecting students at the Indian Institute of Management, Calcutta:

This study describes in detail different stages of development of a selection test battery for admitting students to the Post-Graduate Program in Management of the Indian Institute of Management, Calcutta. There were three factors other than the selection test scores and these were considered at the time of admission. The comparison of the predictive abilities and those of the selection tests proves that this battery of tests was able to predict the success in the course with a high degree of accuracy. Finally, it is concluded that this battery should be revised on the basis of empirical data and follow-up study of this revised

battery with successive groups of students should be done for further improvement in its predictive ability. (8159), Psych/4/69.

160. An application of the technique of analysis of variance in an experiment in the field of educational measurement:

A 'mixed design' is the design in which some of the treatment comparisons are inter-subject and some are intra-subject comparisons; the inter-subject comparisons are generally less precise than the intra-subject comparisons. Lindquest has described different types of 'mixed design' and here an application of a particular 'mixed design' is studied empirically. (8160)

161. A comparison of the predictive abilities of two reasoning tests—verbal and abstract at school level:

Reasoning ability is an important factor for success in the scademic field. In this study, the nature of two reasoning tests, werbal and abstract, were investigated and their predictive abilities were compared. The two reasoning tests were administered on a group of more than 1,000 students. It was observed that the abstract reasoning tests were more difficult than the verbal reasoning tests. Both the tests had similar predictive ability when the marks on different subjects were considered as criteria. Though apparently the obtained coefficients were not identical, yet the difference between them were not statistically significant. (S161).

162. An investigation into the interest patterns of the students in science, humanities & commerce streams at the Higher Secondary level:

This study aims at developing the typical interest patterns for science, humanities and commore streams. For measuring interest, Chatterji's Non-Language Preference Record (CNPR) was used and it was administered on about 625 students reading in class XI. The mean scores for each of the ten fields of interest measured by the inventory were computed separately for three groups of students. All the mean values for the humanities group were significantly different from those obtained with the science group but only five mean values out of ten were significantly different from those obtained with the commerce group. The interest pattern of the humanities group was, however, similar with that of the commerce group to some extent but the pattern obtained with the science group was different in nature. (8182).

163. Semantic differential measurement of the Bengali meaning system:

This research was carried out to find out how individuals describe objects and events in the environment. This called for a study of variation and covariation in the use of adjectives to qualify or describe nouns. First, 10,000 adjectival responses were obtained 100 nouns by a restricted word association task. From these adjectival responses, a set of 50 pairs of adjectives, the members of each pair being opposite in meaning, was obtained. Second, 100 nouns were rated on a graphic scale from 1 to 7 in terms of seach of the adjective pairs. These ratings comprised the semantic differential measurement of the nouns; 100,000 such ratings were obtained. Study of the variation and covariation of the ratings showed

that nouns are described in terms of their value, their dynamic properties, their quantity, their quality or consistency, and their size. Those five modes of description obsaractorize the meaning system of adjectives in the Bengall language. (S103) 1689.

164. An analytical description of inter-relationship among Serbo-Croatian vowels:

Within formant and between formant relationships among the five Serbo-Croatian vowels are reported. The formant peak, and the upper and lower limits of the formant beandwidth, for the first three formants, of each vowel articulated under the influence of the four Serbo-Croatian accenta, comprise the data analyzed. Within formant relationships among the vowels are reported separately for the peak, and the upper and lower limits of each formant. The relationships are represented formally as product functions, in which any vowel, X_f, is expressed as a product of the remaining vowels, denoted X_f, raised to the powers a_f. Between formant relationships among the vowels have been analyzed by computing the statistical generalized distance measure between pairs of vowels, in terms of the peak frequencies on the first three formants expressed in log₁₀ c/s. Plotting of the vowel in terms of the generalized distance measure yields an expression of the Serbo-Croatian vowel system. (S164), 34/68

165. Children's verbal responses to phonetically different auditory stimuli:

An experiment was conducted on twenty six-year-old monolingual Sebro-Croatian children in Belgrade, Yugoslavia. Ten children had normal intelligence test performance and articulation, while ten children had low intelligence test performance and poor articulation. The hearing of all of the children was normal in terms of pure tone and phonetic audiometry. Their experimental task was to repeat ten English words presented in Serbo-Croatian and English phonological structures. Their verbal responses were rated on four phonetic features: time or duration, stress or intensity, tone or word melody, and speech sound quality. Significant differences between the groups were found for the suprasogmentals —time, stress, and tone—and for speech sound quality. The performnce of both groups was poorer, and the discrepancy between the groups greater, for speech sound quality than for the suprasogmentals, as well as for the unfamiliar English phonological structure in comparison with the familiar Serbo-Croatian phonological structure. The results have been interpreted from both the linguistic and psychological points of view. (S185), 35/08.

O. Sociology

166. Technological innovation and people's reaction :

The report presents the results of an enquiry conducted in May 1962 in 15 villages of the district of Birbhum, covered by a project directed towards providing irrigational facilities (Mayurakahi River Project), as well as by Community Development Projects. The purpose of the study was to explore the variations in motivations of villagers with regard to the utilization of the newly-introduced technological opportunities, with a view to (i) ascertain whether there existed any regularity—within a range of variation—in the motivations of the villagers (as contrasted with limitless or individual or random phenomena); and if there did exist any regularity, (ii) to isolate the groups; and (iii) to identify the societal characteristics by which those groups could be mutually differentiated. The villages were selected purpositely from those villages that already enjoyed irrigational and other facilities, as well as from those that did not do so yet.

Observations suggest a pattern of groupwise differentiation of the villagers. A number of groups are isolated with regard to motivations of villagers, and it is observed that whereas "mall-scale" landowners—Hindus as well as Muslims—who are dependent upon agriculture as primary occupation are keeply receptive to both of those projects; on the other hand, some "big landowners" are providing most of the resistance. It is seen that though economic status is an effective factor of group-differentiation, some other factors such as social affiliation, etc., need to be considered. Some problems for further work are posed before closing. (S168), Nat/12,769.

167. On the secondary analysis of variations in family structures:

The paper summarizes some of the discussions contained in an unpublished monograph of the writer entitled, Pamily: its structural classification. It is directed to secondary analyses of variations in family structures although it is equally applicable to any course of primary analysis. For secondary analyses, however, the discussion may be particularly appropriate since they comprise large samples of family-units. Much useful information, therefore, can be elicited from detailed categorization of these units, which may not be feasible in the case of corresponding primary analyses.

Any course of secondary analysis of family structures will require some conceptual considerations and methodological sids relating to: 1) collation of family-units into mutually distinguished but analogous ests according to variable definitions of the family, 2) formulation of a process of categorization of family structures which is free from subjective variability among social science researchers, and 3) execution of the process of categorization in such a manner that it may incorporate our current and continual flow of knowledge on the subject under reference.

In order to keep the paper within a reasonable size, the first point is not discussed.

It deals with only one definition of the family, as forming a co-resident and
commencal kin-group. This, however, is the most frequently adopted definition of the family,
so that large samples of family units can be brought under secondary analysis in that contart.

The second point is discussed with reference to the relative efficiency of the typological versus population approach to categorization. The objective is to evolve a process of categorization which will be applicable to any and all sets of corresponding data for purposes of their collation and comparison.

The third point is discussed against the perspective of any scientific discipline passing from the descriptive to the explanation yields. Since social science research is now oriented to seek for the explanation of a phenomenon, and not merely to describe it, the process of extegorization requires the application of inductive reasoning in order to take into account the known body of information as well as those which are not known yet but are knownloss.

Pursuant to the above three considerations, the discussion is based on the concept of an infinite but enumerable space of family-units which represent all possible variations in structural characteristics. So that we may evolve courses of categorization without imposing any restriction in this field of variation. The process is illustrated with respect to the broad characteristics of kinship relations and kinship distances represented by any set of family-units. In the former aspect, the potentiality of categorization is shown to extend beyond the ecope of any typological approach. The latter aspect is shown to open up an area of categorization of family structures which is virtually unattended so far because of the inherent constraints of the typological approach.

The paper, thus, deals with the possibilities of examining variations in family structures in a manner which is free from subjective limitations, precise and comprehensive at the given state of our knowledge on the subject, and, at the same time, is unconstrained in practice and unlimited in theory.

The paper also discusses how the proposed process of categorization can be applied with the help of commonly available field and laboratory assistants. In social science research, we are still at the state where some have no alternative to hand tabulation of the primary date or, at the best, to the use of elementary equipment of sorters and tabulators. Computers are not yet readily available to the social scientists in many countries. A method is devised, therefore, which can accommodate all these eventualities. (S167).

P. STATISTICAL QUALITY CONTROL

168. Acceptance sampling scheme-a powerful tool for quality control:

This paper presents a two-stage sampling scheme especially suitable to control over small production run jobs. The plan is as follows:

- 1. Take a sample of size.
- 2. Inspect them.
- 3. Define score as the number of defectives observed.
- If the score is 2, stop production and take action. Otherwise take the next piece from the production run and inspect it.
- 5. If the score is 2 take action; otherwise, continue sampling.
- If at the n-th sample the score is 2, take action, if it is zero leave the process as such, if it is 1 continue sampling and take action as soon as the score is 2.
- If at the (n+k)th sample, the score is 1 leave the process as such and take action, otherwise.

Values of n and k are given in tables for probability of acceptance .80, .85, .90 and .95 at process average .05. Average sample number is given for each combination of n and k for different values of process average ranging from .01 to 5.0. Probability of acceptance is also given in each case to find the pattern of .0.C curve of the plan. The required sampling plan can be chosen on the basis of these two sets of tables.

Advantages of this plan:

- The main advantage of this plan is that inspection can proceed side by side with sampling similar to the CSP Plans.
- 2. Unlike in the CSP plans, this can be utilised for short-run jobs. (S168).
- 169. Operability region and optimum rotatable designs:

For exploring the relationship between responses and a number of design variables of factors, we are usually interested in a small part of the factor space which may be termed 'Operability Region'. Assuming the operability region to be apherical weight density function with positive weight density over the operability region and zero outside, it is possible to construct optimum designs which minimies weighted mean square bias due to inadequacy of the response function litted in representing the true response, by using the results of Draper and Lawrence (1967). In particular, optimum second order designs which minimies the weighted mean square bias due to the presence of third order terms in the true response function have been considered in this paper. In general situations where design variables are subject to a linear constraint and particularly in mixture exportments, a procedure is given for constructing optimum rotatable designs in a spherical operability region which forms a subspace of the hyperplane defined by the linear constraint. (S169).

American 1: List of President, Vice-Presidents, Office-Bearers, members of the Council, Governing Body and Members of the Committees of the Council and Governing Body.

President: Professor S. N. Bose, F. R. S., D.Sc., F.N.I., National Professor.

Honorary Vice-President: Dr. C. D. Deshmakh, B.A. (Cantoh), D.Sc. (Hony.
Calcutta and I.S.I.), Bar-at-Law (former President).

Vice-Presidents: 1. Professor D. R. Gadgil, M.A., M.Litt. (Poona); 2. Shri Pitambar Pant, M.Sc.; 3. Dr. S. R. Ranganathan, M.A., D.Litt. (Hosy.), F.L.A., National Professor; 4. Shri Vishmu Sahay, Ex-Governor of Assam and NEFA; 5. Professor D. N. Wadia*, M.A., D.Sc., Y.G.S., F.R.G.S., F.N.I., F.R.S., National Professor.

THE COUNCIL: 1968-69

Chairman: Shri K. P. S. Menon, I.C.S. (Retired)

Vice-Chairmen: 1. Shri S. Dutt, I.C.S. (Retired). Central Vigilance Commissioner; 2. Shri B. B. Ghosh, M.Se., Chairman of the Commissioners for the Port of Calcutts; 3. Shri S. C. Roy, M.A., B.L., J.P., Director, N.I.C.C.O. of India Ltd.; 4. Professor T. R. Seshadri, F.R.S., Emeritus Professor, Department of Chemistry, University of Delhi.

Additional Vice-Chairmen: 1. President, Bombay Branch, Shri S. K. Wankhede (1968-69); 2. Chairman, Kerala Branch, Professor Samuel Mathai (1968-69); 3. Chairman, Mysore State Branch, Shri K. G. Katwey (1968-69).

Treasurer: Dr. S. C. Law, M.A., B.L., Ph.D., F.Z.S., M.B.O.U., F.N.I.

Secretary: Professor P. C. Mahalanobis, F.R.S., D.Sc., P.N.J.

Joint Secretaries: 1. Shri S. Basu, M.So., F.N.I.; 2. Shri N. C. Chakravarti, M.A.; 3. Shri Partha Ray.

Members of Council: 1. Shri S. K. Acharyya, Bar-at-Law; 2. Dr. B. P. Adhikari, M.Sc. (Cal.), Dr. es. Science (Paris): 3. Dr. Bani Prasad Banerjee B.E., M.Sc., Ph.D.; 4. Dr. U. P. Basu, D.Sc., F.N.I.; 5. Shri K. T. Chandy, LL.M. (Lond.), Bar-at-Law; 6. Dr. N. Das, Ph.D. (Lond.), L.C.S. (Edired): 7. Shri Arun Kumar Dutt; 8. Professor H. C. Ghosh, M.A., P.R.S.; 9. Shri D. B. Lahiri, M.Sc., F.N.I.; 10. Shrimati Nirmalkumari Mahalanobis; 11. Dr. N. T. Mathew, M.A., M.Sc., Ph.D.; 12. Professor M. G. K. Menon**: 13. Dr. B. S. Miuhas, M.A., Ph.D.; 14. Dr. C. R. Rao, M.A., M.Sc., Ph.D., Sc.D. (Cantab.), F.N.I., F.R.S; 16. Dr. L. D. Sanghvi, M.Sc., Ph.D. (Columbia); 16. Dr. Amartya Sen, M.A., Ph.D. (Cantab.); 7. Shri Satis Chandra Sen, M.A., L.L.B.; 18. Dr. B. R. Seshachar, D.Sc., F.N.I.; 10. Dr. M. S. Swaminathan, Ph.D.; 20. Shri Ramesh Thanar.

Government nominees on the Council (Rule 6.1(b) (I)): 1. Cabinet Secretary (Shri B. Sivaraman), or his representative; 2. Joint Secretary, Ministry of Finance, Department of Expenditure, Government of India, (Shri A. P. V. Krishnan); 3. Director, Central Statistical Organisation and ex-officio Joint Secretary, Department of Statistics (Dr. Uttam Chand).

Coopied Members (Rule 6.1(c)): 1. Mr. Justico A. K. Mukherjee, Bar-at-Law, 2. Shri G. Basu, B.A., F.S.A.A., F.C.I.S., F.C.A., F.C.I.W.A.; 3. Shri Shyamal Krishna Ghosh; 4. Dr. Dob Kumar Bose, M.A., Ph.D.

died on 15 June 1969.

^{**} Resigned-reported to the Council meeting of 15 March 1909.

Ex-officio Members (Rule 0.1(d*)): Secretary of each local branch: 1. Bombay Branch: Shri P. K. Bhowmick (1968-69); 2. Kerala Branch: Dr. (Miss) A. George (1968-69); 3. Mysore State Branch: Professor Srinagabhushana (1968-69).

GOVERNING BODY OF THE RESEARCH AND TRAINING SCHOOL: 1968-69

1. Shri K. P. S. Menon, Chairman (ex-officio); 2. Professor P. C. Mahalanobis, Honorary Secretary (ex-officio); 3. Dr. C. R. Rao, Director, Research and Training School (ex-officio); 4. Dr. B. B. Ghosh, Acting Editor, Capital (Associated Chambers of Commerce of India); 5. Dr. S. N. Sen, M.A., Ph.D., Vice-Chancellor, Calcutta University (Indian Economics Association); 6. Shri G. K. Bhagat, Bengal Potteries Ltd. (Federation of Indian Chambers of Commerce and Industry); 7. Director (Dr. Uttam Chand), Central Statistical Organisation (Government of India); 8. Joint Secretary (Shri A. P. V. Krishnan). Ministry of Finance (Financial Adviser to the Department of Statistics), (Government of India): 9. Professor S. S. Srikhande, F.N.I., Head of the Department of Mathematics, University of Bombay, (National Institute of Sciences of India); 10. Shri V. V. Divatia, Adviser, Department of Statistics, Reserve Bank of India (Reserve Bank of India); 11. Dr. C. S. Patel, M.Sc., Ph.D. (Leeds), Vice-Chancellor, M. S. University of Baroda (Inter University Board of India & Ceylon); and 12. Dr. Bhabatosh Dutta, M. A., Ph.D.; 13. Dr. B. R. Seshachar, D.Sc., F.N.I.; 14. Shri Jagjit Singh, M.A., F.R.S.S., General Manager, South Eastern Railway; 15. Dr. B. P. Adhikari, M.Sc. (Cal.), Dr.es.Sc. (Paris); 16, Shri Partha Ray; 17, Shri S. Basu, M.Sc., F.N.I.; 18. Shri Pitambar Pant, M.Sc., Member, Planning Commission, Government of India (Council of the Indian Statistical Institute).

LIST OF MEMBERS OF DIFFERENT COMMITTEES: 1968-69

Finance Committee of the Council

1. Chairman of the Institute (ex-officio) or his nominee; 2. Secretary of the Institute (ex-officio) or his nominee; 3. Director of the Research and Training School (ex-officio) or his nominee; 4. Dr. B. P. Adhikari; 5. Dr. B. P. Banerjee; 6. Dr. Bhabatosh Dutta; 7. Shri S. Dutt; 8. Dr. B. S. Minhas; 9. Shri S. C. Roy; 10. Shri P. Ray (Member-Secretary) or in his absence, a person nominated by the Secretary or the Chairman; 11. & 12. Two representatives nominated by the Government of India—Cabinet Secretary (Shri B. Sivaraman) or his representative and Joint Secretary, Ministry of Finance (Shri A. P. V. Krishnao).

Pinance Committee of the Governing Body

Chairman of the Institute (ex-officio) or a Vice-Chairman, authorised by him;
 Secretary of the Institute (ex-officio) or in his absence, a Joint Secretary;
 Director, Research and Training School (ex-officio) or a Joint Director, if any, in charge of Research and Training School;
 & 5. Two representatives of the Government of India or Uthan Chand and Shri A. P. V. Krishnan);
 Representative of the Reserve Bank of India on the Governing Body (Shri V. V. Divatia);
 & 8. Two representatives to be elected by the Governing Body from amongst themselves—Dr. B. R. Seshachar and Dr. B. P. Adhikari.

Journal Committee of the Institute

Professor S. N. Bose, F.R.S., National Professor and President of the Institute;
 Shri D. B. Lahiri;
 Dr. B. S. Minhas;
 Dr. Sujit Kumar Mitra;
 Dr. Jogabrata Roy;
 Dr. Amartya Sen;
 & Editors of Santhys (ex-officio);
 One or representative of the

Branch Cheirmen's names shown under additional Vice-Chairmen.

Governing Body of the Research and Training School-Dr. S. S. Srikhande; 10. One member to be nominated by the Secretary of the Institute in consultation with the Director of the Research and Training School; 11. Dr. S. W. Dharmadhikarl, Editorial Secretary; 12. Shri A. Mahalanobis, Secretary.

Examinations Committee of the Institute

1. Dr. B. P. Adhikari, Research and Training School; 2. Shri Debabrata Basu. F.I.A., Assistant. Manager (E.D.P.), L.I.C., Calcutta Division; 3. Dr. P. K. Bose, Pro Vice-Chancellor, Calcutta University; 4. Shri N. C. Chakravarti; 5. Dr. A. C. Das, State Statistical Bureau, West Bengal; 6. Dr. (Miss) A. George, Professor of Statistics, University of Kerala; 7, Dr. V. S. Huzurbazar, Professor of Mathematics and Statistics, Poons University; 8. Professor V. B. Kamath, Personnel Manager for Training & Development, West Coast Paper Mills Ltd., Dundeli (N.K.); 9. Shri D. B. Lahiri; 10. Dr. B. S. Minhas; 11. Dr. S. K. Mitra: 12. Shri M. Mukherjee: 13. Dr. M. N. Murthy; 14. Professor P. N. Phutane; 15. Dr. B. Ramachandran; 16 & 17. Two representatives of the Governing Body of the Research and Training School (Dr. Nirmal Chakravarti, C.S.O., and Shri S. Raja Rao): 18. Dr. Jogabrata Roy; 19. Shri J. M. Sengupta; 20 Dr. G. R. Seth, I.A.R.S., I.C.A.R.; 21. Shri S. Sengupta, Member-Secretary.

BOMBAY BRANCH: 1968-69

Honorary President: Shri S. K. Wankhede

Honorary Vice-Presidents: 1. Dr. C. Nanjundayya, 2. Shri R. G. Saraiya, 3. Dr. N.

S. R. Sastry: 4. Professor C. N. Vakil.

Honorary Secretary: Shri P. K. Bhowmick. Honorary Joint Secretary: Professor P. N. Phutane

Honorary Treasurer: Dr. M. N. Vartak

Members of the Council: 1. Shri S. V. Barkar; 2, Shri U. G. Dabholkar; 3. Dr. R. N. L. Ivengar: 4. Professor V. B. Kamath. 5. Shri S. L. Pillay: 6. Shri B. K. Raia Rao; 7. Dr. P. M. Visaria.

MYSORB STATE BRANCH: 1968-69

President: Shri K. G. Katwey

Vice-President: Shri C. S. Seshadri. Secretary: Professor Srinagabhusana. Joint Secretary: Shri C. A. Setty Treasurer: Shri P. S. Narayana

Executive Committee Members: 1. Professor M. Narayana Iyengar, 2. Shri S. K. Iyengar, 3. Shri V. Narayana, 4. Shri H. C. Ramanna, 5. Shri H. S. Narayana Rao, 6. Shri V. G. Tikekar.

KERALA BRANCE: 1968-69

Management Committee

Chairman: Professor Samuel Mathai, Vice-Chancellor, University of Kerala.

Secretary and Treasurer: Dr. (Miss) A. George, Professor of Statistics, University of Kerala.

Members: I. Dr. R. Krishna Pillai, 2. Shri P. S. Janardhan Nayar, 3. Shri J. Rajasekharan Nair.

Annexure 2: Important Items of Business transacted in Meetings of the Council and Governing Body of the Research and Training School.

2.1. MEETINGS OF THE COUNCIL.

- 1. 18 April 1968: (1) Report regarding (a) appointment of a Statutory Committee for the term 1968-80 under Section 8(1) of the ISI Act, (b) Ford Foundation Grant, (c) remuneration of auditors; (2) rate of interest of ISI General Provident Fund; (3) matters relating to the installation and working of the Honeywell computer, namely, loan to meet initial expenses for its installation, programme of construction, proposal for special service condition of personnel to be employed in Computer Science Unit, representation from the Indian Statistical Institute Workers' Organisation (ISIWO) in respect of the use of IBM 1401 and the installation of the Honeywell computer; (4) consideration of the scheme for children's educational assistance and leave travel concession; (5) resignation of Shri Biswajit Roy, Deputy Librarian; (6) rules for travelling allowances in respect of members attending Council and Governing Body meetings of the Institute; (7) consideration of (a) report of the Pendharkar Committee, and (b) report of the Working Group (under the chairmanship of Dr. Nabagopal Das) set up by the Indian Statistical Institute regarding the National Sample Survey, (8) one-year Evening Course in Statistical Quality Control and Operational Research; (9) schema for sabbatical leave for the academic staff; and (10) formation of a committee to assess and evaluate the science research units.
- 2. 23 July 1968: (1) Operation of banking account in Baroda; (2) co-option of Shri Arun Kumar Dutta, advocate, as a member of the Council for the rest of the present term (in place of Shri Chanchal Sarkar, who resigned); (3) consideration of the question of the question of SQC activities within the Research and Training School; (4) report on negotiation with the Covernment and the situation arising out of the proposed installation of Honeywell computer; (5) categorisation of workers; (6) deputation of the ISI Workers' Organisation; (7) appointment of auditors for 1968-60; (8) report about the resignation of Shri F. H. Vallibboy, Government nominee on the Council arising out of his transfer to another assignment; and (9) establishment of a branch of the Institute for Andhra Pradesh at Hyderabad.
- 3. 18 August 1988: (1) Report about the new member-convener of Ph.D. Committee; and (2) consideration of matters arising out of informal discussions between the Government and Institute representatives regarding recommendations of the Review Committee, the Deshmukh Committee and earlier decisions of the Council.

There was a long and fruitful discussion on this item, which covered many points, and the meeting was adjourned to 10.30 a.m. on 19 August 1968.

- 4. 19 August 1968: {1} Consideration of matters arising out of the informal discussions between the Government and the Institute representatives regarding recommendations of the Review Committee, the Deahmukh Committee and earlier Council decisions (continued from the previous meeting held on 18 August 1969); (2) rules for the proposed branch of the Institute at Hyderabad; (3) nomination for the election of office-bearers and members of the Council for the next term; (4) offer of printing machinery from the USSR Academy of Sciences; and (5) construction programme at Delhi.
- 26 August 1968: (1) Adoption of Statute 5.1 of the Institute Rules; (2) nomination for the election of office-bearers and members of the Council; and (3) proposal for new Editorial Secretary of the Journal Committee.

- 14 October 1968: (1) Confirmation of Statute 6.1 of the Institute Eules; (2) fixation of the date of Annual General Meeting; and (3) offer of printing machinery from the USSB Academy of Sciences.
- 7. 28 October 1968): (1) Consideration of draft Annual Report 1967-88; (2) consideration of the auditors' report and the audited statement of accounts for 1967-88; (3) consideration of the revised budget estimates for 1968-99 and tentative budget proposal for 1968-70; (4) consideration of the issues of settlement of matters arising out of the Review Committee Report; (5) report about the Honeywell electronic computer; (6) arrangements relating to printing machinery from the USSR Academy of Sciences; and (7) recommendation to the Annual General Meeting regarding the term of office of office-bearers (the meeting was adjourned to 4.30 p.m., 30 October 1968).
- 8. 30 October 1968: (1) Consideration of the report from the Governing Body regarding (a) results of the All-India Professional Statistical Examinations held in May 1968, (b) award of degrees and diplomas of the Research and Training School; (2) consideration of the reply sent to the Study Team of Public Accounts Committee of Parliament; (3) a circular dated 22 August 1968 by the Royal Society of London regarding the facilities of research available in the Institute.
- 9. 19 December 1968: (1) Appointment of (a) Finance Committee of the Council (Council took note of the fact that Dr. N. Das had written requesting not to be renominated on this Committee), (b) Journal Committee and (c) Examinations Committee of the Institute; (2) consideration of the auditors' report and the audited statement of accounts for 1967-03; (3) consideration of the revised budget proposals for 1968-60 and the tentative budget proposals for 1960-70; (4) report about the communication received from the Government regarding decisions on the recommendations of the ISI Review Committee; (5) co-option of members of the Council (Shri C. Basu, Dr. Deb Kumar Bose, Shri Shyamal Krishna Ghose and Justice A. K. Mukherjea); (6) appointment of Council representatives on the Governing Body (Shri Pitambar Pant and Shri Jagjit Singh renominated); (7) report regarding matters relating to printing machinery from the USSR Academy of Sciences; (8) consideration of question regarding cash credit from the State Bank of India; (9) report regarding rules for the Institute branch at Hyderabad; and (10) consideration of the question of proposed transfer of the Quiek Tabulation schedules of the 23rd round of NSS to the Computer Center of the Government in Delbi.
- 10. 16 March 1969: (1) Report from the Governing Body regarding (a) the award of Ph.D. degree, (b) Diploma, and (c) results of professional examinations in Statistics; (2) requirements of funds for the Fourth Five Year Plan; (3) deputation from the Indian Statistical Ristitute Workers' Organisation; (4) proposals submitted to the Government for Survey Research Centre; (6) reply from the Government regarding supply of evidences submitted to the Review Committee; (6) Quick Tabulation of NSS 23rd round; (7) development charges for land allotted to the Institute by the Delhi Development Authority; (8) statement placed before the Parliament in December 1968 regarding Government action and other matters arising out of the recommendations of the Review Committee; (9) proposed changes in the rules of the ISI General Provident Fund and recognition of the Fund; (10) printing machinery from the USSR Academy of Sciences—offer of loan by the Government for covering customs duty; and (11) report regarding (a) Summer School, (b) visit of Dr. A. B. Vistelius; and (o) certificate for documentation research.

Some items intended to be dealt with at the adjourned meeting held on 24 March 1968 were discussed and are shown under the proceedings of the meeting dated 24 March 1960.

11. 24 March 1960: (In which is included matters postponed from 15 March 1969): (1) requirements of funds for the Fourth Five Year Plan; (2) arrangements for Quick Tabulation work for NSS 23rd round; (3) Prime Minister's tabled statement on the report of the Review Committee Recommendation No. 34: the proposed Executive Committee; (4) representation of the Indian Statistical Institute Workers' Organisation on the future re-organisation of the NSS; (5) development charges for land allotted to the Institute by the Delhi Development Authority; (6) confirmation of proposals reparting changes in the Provident Fund rules; and (7) gift of printing machinery from the USSR Academy of Sciences—Government loan to meet customs charges.

2.2. MEETINGS OF THE GOVERNING BODY OF THE RESEARCH AND TRAINING SCHOOL

- 1. 30 October 1968: (1) Consideration of the draft Annual Report 1967-08; (2) consideration of the report from the (a) Examinations Committee regarding results of the All-India Professional Statistical Examinations held in May 1968, (b) Research and Training School regarding the award of degrees and diplomas; (3) consideration of the auditors' report and the audited statement of accounts for 1967-68; (4) consideration of the revised budget estimates for 1968-69 and tentative budget proposals for 1969-70; (5) consideration of the reply sent to Study Team of Public Accounts Committee of the Parliament; and (6) a circular dated 22 August 1968 by the Royal Society of London regarding the facilities of research available in the Institute.
- 2. 10 December 1968: (1) Election of representatives of the Governing Body on (a) Finance Committee of the Governing Body (Dr. B. P. Adhikari and Dr. B. R. Sechachar were re-clected), (b) Journal Committee (Dr. S. S. Shrikhande re-clected), (c) Examinations (Committee (Dr. N. Chakravarti of the CSO and Shri S. Raja Rao were re-clected); (2) report about (a) changes in membership of the Governing Body, (b) nomination of Council representatives on the Governing Body; (3) consideration of the auditors' report and the audited statement of accounts for 1967-88; (4) consideration of the revised budget proposals for 1968-60 and the tentative budget proposals for 1969-70; and (5) report about the communication received from the Government regarding decisions on the Review Committee recommendations.
- 3. 15 March 1969: (1) consideration of report regarding (a) award of Ph.D. degree, (b) diplome, and (c) results of the All-India Professional Examinations in Statistics; (2) requirements of funds for the Fourth Five Year Plan; (3) deputation from Indian Statistical Institute Workers' Organisation; (4) reply from the Government regarding the supply of ovidence submitted to the Review Committee; (6) development charges for land allotted to the Institute by the Delhi Development Authority; (6) statement placed before the Parliament in December 1968 regarding the Government action and other matters arising out of the Review Committee recommendations; (7) recognition of the provident fund and the proposed changes in rules; and (8) the report regarding (a) Summer School, (b) visit of Dr. A. B. Vistelius and (c) certificate for the Documentation Training Course.

The meeting was adjourned to 24 March 1969.

4. 24 March 1969: (1) requirements of funds for the Fourth Plan; (2) Prime Minister's tabled statement on the report of the Review Committee Recommendation No. 34: the proposed Executive Committee; (3) representation of the Indian Statistical Institute Workers' Organisation on the future reorganisation of the NSS; (4) development charges for land allotted to the Institute by the Delhi Development Authority; and (5) confirmation of proposals regarding changes in the Provident Fund Ruise.

Annexure 3: Admission to Courses

3.1. RESEARCH AND TRAINING SCHOOL

al. no.	*******	number					
	соштвов —	applied	appeared in selection tests	admitted			
	I, Full-time Co	urses					
1.	Research and Advanced studies	118	87	53			
1.1	Research/Project Assistant						
2.	Post-graduate Degree and Specialised Diplom	as .					
2.1	M.Stat. lst Year	398	285	21			
2.2	M.Stat. 2nd Year and Postgraduate Diploma	_	-	-			
2.2.1	Mathematical Statistics and Probability	_	_	4			
2,2.2	Biostatistica	_	_	6			
2.2.3	Computer Science	_	-	6			
2.2.4	Demography	_	_	6			
2.2.5	Economics and Planning	_	~	7			
2.2.6	Statistical Quality Control and Operational Research	_	_	14			
2.2.7	(a) Statistical Quality Control and Opera-						
	tional Research, Calcutta	_	_	18			
	(b) Statistical Quality Control and Opera- tional Research, Bombay	_	-	32			
	 (c) Statistical Quality Control and Opera- tional Research, Madras 	_	_	30			
3.	Specialised Courses in Applied Statistics lead	ing to Dipl	Omaa				
3.1	Demography	_	_	:			
3.2	Econometrics and Planning	_	_	1			
١.	Undergraduate Degree Courses						
1,1	B.Stat. 1st Year	408	267	20			
1.2	B.Stat. 2nd Year (by promotion)	_	_	18			

al.			number	
al. 110.	courses —	applied	appeared in selection tests	admitted
4.3	B.Stat. 3rd Year (by promotion)	_	_	10
4.4	B.Stat. 4th Year (by promotion)	_	_	6
б.	General Training in Statistics			
5.1	International Statistical Educational Centre	_	_	28
5.2	Statistical Officers' Training Course (jointly with the Central Statistical Organisation, New Delhi)	_	_	15
6.	Special short-duration individual training for officers on deputation		_	8
7.	Documentation Research and Training	_	~	6
8.	Summer Course (Advanced) for statisticians	_	_	28
	Full-time Courses : Sub-total of admissions			336
	II. Part-time and Evening Co	ourses		
1.	One-year Evening Course in Statistics			
1.1	Calcutta : September 1968 to August 1969	_	_	31
1.2	Bangalore : September 1968 to August 1969	_	_	25
1.3	Bombay : September 1968 to August 1969	_	_	15
1.4	Delhi: September 1968 to August 1969	_	_	40
1.5	Hyderabad : September 1968 to August 1969	_	_	15
1.6	Madras : September 1968 to August 1969	_	_	21
1.7	Trivandrum : September 1968 to August 1969	_	_	13
2.	Elementary Techniques of Computations Calcutta: September 1969 to March 1969	_	~	32
2.1	Statistical Computations, Calcutta: March 1969 to August 1969	_		9
3.	Short-term Courses in Electronic Computer			
3.1	Programming the IBM 1401, using Fortran	_	_	26
3.2	Intensive Course in Programming and Appli- cations of Electronic Computer	_	_	23
3.3	Role of Computer in Management	_	_	38
3.4	Electronic Computer for Accounting	_	_	14
	Part-time and Evening Courses : Sub-total of admissions	_	_	302
	All courses : Total admissions	_		638

3.2. STATISTICAL QUALITY CONTROL UNITS, 1008-59

no. of parti- cipants	(5)										
other courses	(9)										
no. of parti- cipants	(8)	20	*	81	71	32	08	2	8	30	207
in-plant courses	(7)	1. Top oxecutive programme at Indian Detonators Ltd.	2. Intensive course in SQC at India Determines Ltd.	3. Introductory course in SQC at Bharst Electronics Ltd. (Equipment Division).	4. Introductory course in SQC at Bharst Electronics Ltd. (Equip- ment Division)	6. Introductory course in SQC at Bharat Electronics Ltd. (Com- ponents Division).	6. A course of loctures in SQC at Mysore Iron & Steel Ltd. (in Kannada language)	A course of lectures in SQC at Mysere Iron & Steel Ltd. (in Kannada language)	8. A course of loctures in SQC at Mysore from & Stool Ltd. (in Nannada langungs)	0. Intensive course in SQC at Bharat Electronics Ltd. (Com- ponents Division—capacitators)	Sub-toted
parti- cipunte	6)	18	. 29	8	9	36	*	08	oc.	•	232
general source	(2)	1. SQC elective subject at Univer- sity College of Engineering.	2. Management of quality control by Dr. J. M. Juran duration: 16-20 December 1968	3. SQC in business, administrative course in St. Joseph's College.	4. SQC in Business Management, an Administrative Course in Rachakrishnan Institute of Technology and Administration.	 SQC in Industrial Management Course at Small Industries Service Institute. 	6. Management orientation course Tier. i at Hindustan Aeronautica	7. SQC in Industrial Management Course to neofic officers of Military College of Electronics & Machanical Engineering. Becundersbad.			Sub-total
unit	(1)	1. Bangalore									

3.2. STATISTICAL QUALITY CONTROL UNITS, 1968-69 (Could.)

unit	general courses	no. of parti- olpanta	in-plant courses	parti-	other courses	no. of parti- olpants
(3)	(2)	(3)	(4)	9	(9)	9
\$. Baroda	1. Training course on Evolutionary Operation, duration: 12 to 14 August 1809.					
	2. Training Course on Operational Research, duration: 19 August to 19 September 1968.	11				
	Sub-total	20				
3. Bombay			1. Second session of the training course on SQC at ordnance factory, Ambercale & Mechine Tool Prototype Feetory, Amber and duration: 22 to 24 May 1988.	-	1. Two year part-time post-gra- duate Diploms Course in SQC & OR started from 9 September 1988	2
			Sub-total	8 8	Sub-totel	2
4. Caloutta	Appreciation Course to collabora- tion with the Calcutta Freducti- vity Council, duration: 2-d December 1988.	•	 In-plant course at National Co. Ltd., Rajgunj, in January, 1908 	=		
		ci.	 In-plant course at Aircondition- ing Corpn., Calcutta, duration: February—June 1998 	8		
		e e	3. In-plant course at Bengal Ens. mol, Palta, duration: 4 months.	2		
		÷	In-plant approxiation course at Indian Oxygen Ltd. in December 1868	13		
	Sub-total	a	Sub-total	2		

3.2. STATINTICAL QUALITY CONTROL UNITH, 1968-59 (Contd.)

no. of parti- cipants	(7)											
other courses	(9)											
pu. of partil- oipante	(6)	20		98	98		7	u a	9	36	11	
in-plant courses	(+)	Lin-plant course at Corrilin fac- tory. Arrestitable, terestion: 20 February to 18 May 1998.		Sub-total	1. In-plant course on quality control at Escorte Ltd. (Plant-I), duration: August December 1968.	2. In-plant course at Prestolite of India Ltd., duration: August- October 1988.	Bub-total	1. In-plant report training course in 8QC at Indian Rary Earthw Ltd., duration: May to December 1808.	2. In-plant course at Vegetable Soap Works, duration : March to August 1988.	In-plant programma of orienta- tion loctures to workers of Mourn. Malayale Manorema Ltd., durbtion: 7.8 October 1968.	Sub-total	
parti.	(3)	2	ю	18	- 3	04	ž	9	=	*	32	
geornal courses	(2)	Appreciation Course on AQC for the factory manager of Co- operative Spinning Mills in Maires Start. Its Newton From to 14 December 1808 at Salten & 2nd Assent from 3 to 4 March 1868 at Trento/vell.	2. Orientation training programme for the SQC in charge of (s) See Rajendra Mills, Stefan (ii) Tiru- pur Textiles (P) Ltd. (ivi) Medu- ral Dt. Co-operative Spinning Mills, Melur, duration 14 to 19 Oetober 1908.	Sub-total	 Management of Quality Control by Dr. J. M. Juran at Agra- duration: 23-26 December 1868. 		Sub-total	1. Course on total quality control in January 1869.	2. Course on total quality centrol in February 1969.	3. Course on total quality control in March 1909.	Sub-total	
unit	6	5. Coimbatore			6. Delhi			7. Korala				

3.2. STATINTIOAL QUALITY CONTHOL UNITH, 1968-69 (Cond.)

parti- olpante	3							90	=	11	83		_
8 4 4	٤							"					Ξ
other courses	(9)	1. One year specialised course in SQC and OR (started from 26 March 1988)						Sub-total	1. Diploms course in SQC and OR, 1968-89.	2. Fourteen week intensive refre- her course in operational re- march, duration: 2 December 1996—8 March 1999 (for tech- nical offlower of the SQC Division of the Institute.	8ub-total	Total nu. of courses :	Orand total
no. of parti- cipants	(8)	9	8	12	8	ă	8	172		30	30	22	846
in-plant courses	€.	1. In-plant course at Bimetal Bearings Ltd., duration: 23 April to 18 May 1968.	2. In-plant course at T.I. Cycles, duration: 8:10 May 1988.	3. In-plant course at Mutal Cast Services, duration : 4 September 5 October 1968.	4. In-plant course at Tirupathi Cotton Mile, duration: 11 September to 8 November 1968.	6. In-plant course at South India Corpo. Agency Pvr. Ltd., duration : 28 October to 16 December 1988.	6. In-plant course at W.S. Insulators, duration: 25 November 1968 to 13 December 1968.	Sub-total	i. In-plant course for ordinace foctory personnel from Gun	Carriage Factory, Jababore, New Vobirless Factory, Jabab. porn and Ordnamer Factory, Khamania—flatt session com- moneed on 17 February 1999 and final so sion will be held in May 1999	Sub-total	Total no. of courses:	Grand total
parti-	(3)	2	2				-	22				91	308
general courses	(2)	Course on total quality control in sugar mills, duration: 22 July to 1 September 1948	Course on total quality control in foundry and engineering. held on 23 December 1988					Sub-total				Total no. of conness:	Grand total
tion	(3)	8. Madrae 1.	oi						9. Training and Promotional Unit,	Caloutta			

Annexure 4: List of Candidates awarded Diplomas and Certificates during 1968-69

4.1. Statistician's Diploma; May 1968

- 1. Shri Probir Kumar Banerjee, M.Sc. (Lucknow).
- 2. Shri Sanjit Kumar Banerjee, B.A. (Calcutta).
- 3. Shri Bansi Dhameja, M.Sc. (Rajasthan).
- 4. Shri Bhagwat Dayal Jaiman, B.A. (Hons. Delhi)
- 5. Shrimati Chellammal Ramaswami, M.A. (Madras),
- 6. Shri Nagesh Rama Satumane, B.So. (Poona).
- 7. Shri Satya Paul Sharma, M.A. (Delhi).
- 8. Shri Radhey Shyam Singh, M.Sc. (Agra).
- 9. Shri Cheriyala Subramanian, B.A. (Madras).

4.1.1. Statistician's Diploma: November 1968

- 1. Shri Inderjit Kundra, B.A. (Punjab).
- 2. Shri Shiroman Singh Kushwaha, M.So. (Lucknow).
- 3. Shri Satya Prakash, M.Sc. (Agra).
- 4. Shri Maheshwari Prasad Saksena, B.Sc. (Lucknow),

4.2. Computer's Certificate: May 1988

Kumari Mandira Chaudhuri, P.U. (Calcutta).

4.2.1. Computer's Certificate: November 1968 Shri Sourendra Nath Pal, B.Com. (Calcutta).

Punch Card Machine Operator's Certificate: May 1968
 Shri Datte Pundlik Kulkarni, H.S. (B.S.E., Nagpur).

Note: There were no candidates in 1968 for any of the Field Examinations, which are held only in the November session and for the Punch Card Data Processing Diploma Examination, now scheduled to be held only in May.

Annexure 5: List of Scientific Papers

5.1. PAPERS PUBLISHED

A. Statistics

- Pl. ADRIKARI, A. K. (with Sarkar, B. P.) (1968): Distribution of most significant digit in certain functions whose arguments are random variables, Sankhyd, B. 30, T & 2, 47-58.
- Basu, D. (with Ghosh, J. K.) (1969): Invariant sets for translation-parameter families of measures, Ann. Math. Stat., 40, 1, 162-174.

- Dasoutra, P. (1968): An approximation to the distribution of sample correlation coefficient, when the population is non-normal, Sankhyd. B, 30, 3 & 4, 425-428.
- P4. ———(1968): Two approximations for the distribution of double non-central bets, Sanhiya, B, 30, 1 & 2, 83-88.
- P5. ———— (1968): Tables of the non-centrality parameter of F-test as a function of power, Sankhyō, B, 30,1 & 2, 73-82.
- DEARWADHIKARI, S. W. (1967): A property of non-negative random variables. Standinavist Aktuarietidskrift, 61-63.
- P8. ——— (1968): Comparison of net premiums from the point of view of minimum variance. Skandingvisk Aktuarietidskrift, 56-60.
- P9. —— (with Fabian, V. and Jogdeo, K.) (1968): Rounds on the moments of Martingales. Ann. Math. Stat., 39, 1719-1723.
- (1968): A uniqueness result for compound normal and compound exponential distribution, Ann. Inst. Stat. Math., 20, (2), 327-329.
- (1968): Splitting a single state of a stationary process into Markovian states, Ann. Math. Stat., 39, 1069-1077.
- (P2) GHOSH, J. K. (with Basu, D.) (1969): Invariant sets for translation-parameter families of measures. Ann. Math. Stat., 40, 1, 162-174.
- IYER, M. R. (1969): Identities involving generalised Fibonacci numbers, Fibonacci Ort. Jour., 7, 1, 68-72.
- P14. JACOB, PAUL (with Sengupta, J. M.) (1968): A technique for yield estimation surveys in cinchona plantations, Sankhyd, B, 30, 1 & 2, 129-134.
- P15. ——— (with Sengupta, J. M.) (1968): Some studies on the estimation of tobacco vield, Sankhyd, B. 3 & 4, 429-440.
- P16. KRATRI, C. G. (1968): A simple method for fitting the regression curres derivable from a second degree difference equation, Sankhyd, B, 30, 1 & 2, 1-4.
- (with Rao, C. R.) (1968): Some characterization of the gamma distribution, Sankhyd, A, 30, 157-166.
- P18. ——— (with Rao, C. R.) (1968): Solutions to some functional equations and their applications to characterization of probability distributions, Sanklayd, A, 30, 167-180.
- P19. KRISHNAMURTHY, E. B. (with Sarkar, B. P.) (1968): Algorithms for multiple-precision range transformations, Sankhyd, B, 30, 1 & 2, 33-46.
- KRISHNAM, MARKATHA (1968): Sories representations of the doubly non-central t-distribution, Jour. Amer. Stat. Assom., 63, 1004-1012.
- LARIRIT, D. B. (1968): Identities connecting the partition, divisor and Ramanujan's function, Proc. Nat. Ind. Sci., India, 34, A, 96-103.

- P22. MITRA. A. (1968): Dynamic programming on compact metric spaces, Sankhyd, A, 30, 211-216.
- P23. ——— (1969): A note on positive dynamic programming, Ann. Math. Stat., 40, 316-318.
- MITRA. S. K. (with Rao, C. R.) (1968): Some results in estimation and tosts of linear hypotheses under the Gauss-Markoff model, Sankhyō, A, 30, 281-290.
- P25. ——— (with Rao, C. R.) (1968): Simultaneous reduction of a pair of quadratic forms. Sunkhud. A, 30, 313-322.
- P26. —— (1968): A new class of g-inverse of square matrices. Sankhyd, A, 30, 323-330.
- (with Subramanya, M. T.) (1968): A robust property of the OC of binomial and poisson sampling inspection plans, Sankhya, B, 30, 335-342.
- P28. ——— (1969): Some characteristic and non-characteristic properties of the Wishart distribution, Sankhya, A, 31, 1, 19-22.
- P29. MURTHY, M. N. (1968): On designing and conducting multi-subject household enquiries with reference to a permanent survey organization, Sankhyd, B, 30, 3 & 4, 367-382.
- P30. ——— (with Singh, M. P.) (1968): Some aspects of recent development in sampling theory, Seminar Volume of Banaras Hindu University, 1-14.
- NATARAJAN, S. (1968): Weakly stable families of transformations, Sankhyā, A, 30, 343-352.
- P32. RAMACHANDRAN, B. (1969): On characteristic functions and momenta, Sankhya, A, 31, 1, 1-12.
- P33. (with Rao, C. R.) (1968): Some results on characteristic functions and characterization of the normal and generalized stable laws, Sankhyā, A. 30, 125-140.
- RAO, A. R. (1968): An extremal problem in graph theory, Israel Jour. Mathematics, 6, 261-266.
- P36. Rao, C. R. (1968): A note on a previous lemms in the theory of least squares and some further results, Sankhyā, A, 30, 259-266.
- (P17) (with Khatri, C. G.) (1968): Some characterizations of the gamma distributions, Sankhyā, A, 30, 157-166.
- (P18) ——— (with Khatri, C. G.) (1968): Solutions to some functional equations and their applications to obsracterization of probability distributions, Sanklysi, A, 30, 167-180.
- (P24) (with Mitra, S. K.) (1968): Some results in estimation and tests of linear hypotheses under the Gauss-Markoff model, Sankhyā, A. 30, 281-290.
- (P25) (with Mitra, S. K.) (1968): Simultaneous reduction of a pair of quadratic forms, Sankhyā, A, 30, 313-322.
- (P33) ——— (with Ramachandran, B.) (1968): Some results on characteristic functions and characterization of the normal and generalized stable laws, Sankhyá, A, 30, 125-140.

- SAKBHA, N. P. (1968): Stochastic optimal routing, Unternehmenforschung (Germany) 12, 3, 173-177.
- (1968): Optimal routing before maintenance, Materials Management Journal of India, 9, 2, 39-41.
- (P1) SARKAN, B. P. (with Adhikari, A. K.) (1988): Distribution of most significant digit in certain functions whose arguments are random variables, Sankhyd, B, 30, 1 & 2, 47-58.
- (P16) (with Krishnamurthy, E. B.) (1968): Algorithms for multiple-precision range transformations, Sankhya, B, 30, 1 & 2, 33-46.
- SENOUPTA, J. M. (1968): Size of units in a two-stage sampling scheme for the estimation of crop acreage, Sankhyā, B, 30, 1 &2, 135-148.
- P30. ——— (1968): Sampling errors in the estimation of fertility rates, Sankhyd, B. 30. 3 & 4, 447-454.
- (P14) (with Jacob, Paul) (1968): A technique for yield estimation surveys in cinchona plantations, Sankhyō, B, 30, 1 & 2, 120-134.
- (P15) ——— (with Jacob, Paul) (1968): Some studies on the estimation of tobacco vield, Sankhyā, B, 30, 3 & 4, 429-440.
- P40. Sundar, K. (1968): A comparative study of algorithms for multiple precision radix-conversions, Sankhyā, B, 30, 3 & 4, 315-334.
- (P30) SINOH, M. P. (with Murthy, M. N.) (1968): Some aspects of recent developments in sampling theory, Seminar Volume of Banaras Hindu University, 1-14.

B. Theoretical Physics and Electronics

- P41 BANDYOPADHYAY, PRATUL (1968): Gauge invariance, photon mass and weak interaction of photons. Nuovo Cimento, 65A, 367-360.
- (1968): Possible weak interaction of photons and emission of neutrinos from stars, Physical Review, 173, 1481-1484.
- DUTTA-MAJUMDAR, DWIJERI (with Dutta, A. K.) (1968): Some studies on automatic speech coding and recognition procedure, Ind. Jour. Phys., 42, 7, 425-443.
- (with Dutta, A. K. and Das J.) (1969): Design and construction of an experimental magnetic memory core tester, Jour. Inst. Tele-communication Engineers, 15, 3, 184-198.
- P45. MITRA, S. K. (with Roy, T.) (1968): Consequences of the generalised Kirchhoff's laws and proof of Thevenin & Norton theorems, Ind. Jour. of Phys., 42, 9, 558-566.
- P46. PROBHAKAR, N. D. (with Remachandran, G and Rej. A. K.) (1907): Photoproduction of neutral pions on ⁷Li, Proc. 10th Symposium on Cosmic Rays, Elementary Particle Physics and Astrophysics, 589.
- P47. RAMCHANDRAN, G. (1968): Sum rule for particle reactions on Nuclei, Proc. Nuclear Phys. and Solid State Phys. Symp., 401.
- P48. ———— (1968): Polarization phenomena in deuteron-nucleon scattering, Proc. Nuclear Phys., and Solid State Phys. Symp., 402.
- (P46) (with Probhaker, N. D. and Rej, A. K.) (1967): Photoproduction of ucutral pion on 'Li, Proc. 10th Symposium on Cosmic Rays, Blementary Particle Physics and Astrophysics. 589.

- P49. RAY CHAUDHURI, PROBHAS (1968): Thermal stress propagation in an infinite viscoelastic thin plate, Rev. Roum. Math. Pures et appl. Tome XIII, 8, 1069-1078.
- [P46] Ran, A. K. (with Ramchandran, G. and Probhakar, N. D.) (1967): Photoproduction of neutral pions on 'Li Proc. 10th Symposium on Cosmic Rays, Elementary Particle Physics and Astrophysics, 589.

C. Anthropometry

- PSO. CHARRAVARTI, M. R. (1968): Hairy pinnae in Indian populations, Act. Genet. Basel., 18, 511-520.
- P51. ——— (1968): Comment on I. Karve and K. C. Malhotra's article, Gurrent Anth., 9, 2-3.
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SINGH, M. P. (with Murthy, M. N.): On the concept of best and admissible (822)estimators in sampling theory (Sankhyā). VIJAYADITYA, N.: Extremal connected graphs (Jour. Combinatorial Theory), 16/68. S62. \$83. - : Turan's theorem for connected graph (Studia Mathematica Hungarical), 29/68. - : On total chromatic number of a graph (Amer. Math. Monthly), 32/68. S84. - : Characterisation of a total graph (Mathematische Zeitschrift), 44/68. 865. S66. 51/68. B. Theoretical Physics and Electronics BANDYOPADHYAY, PRATUL: A model of Hadrons (Physical Review, USA). 807. S68. - : A direct interaction scheme for scattering of Hadrons (Physical Review, USA). S69. ----: Direct interaction scheme for scattering of Hadrons and some cross section relations (Physical Review, USA). - : Weak interaction of Photons and the possibility of a dynamical origin. S70. of electric charge (Progress of Theoretical Physics, Japan). S71. ---- : Dynamical origin of charge, Muon decay and scattering of Leptons (Progress of Theoretical Physics, Japan). S72. - : Theories of weak interactions and astrophysical evidence (Physical Review, USA) 873. - (with Ray Chaudhuri, Probhas): Weak interaction of Photons and the photoneutrino process (Physical Review, USA). 874. Das. J.: Testing of magnetic core memory systems (Annual Convention Record. Institution of Telecommunication Engineers, Calcutta Centre). DUTTA, A. K.: Some comments on speech analysis and synthesis for computer S75. use (Annual Convention Record, Institution of Telecommunication Engineers, Calcutta Centre). S76. DUTTA-MAJUMDER, DWIJESH (with Dutta, A. K.): Design details of an analysercoder for speech recognition (Jour. Inst. of Telecommunication Engineers, Calcutta Centre). - (with Dutta, A. K.): A model for spoken word recognition (Proc. S77. Tenth International Conference on Automation and Instrumentation, Session on Pattern Recognition, Milan, Italy). --- : System design of cost limited small computers suitable for Indian 878. conditions (Annual Convention Record, Institution of Telecommunication Engineers, Oalcutta Centre).

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- S86. RAY CHAUDHURI, PROBERS: Weak interaction of Photons and Neutrino Bremsstrahlung (Physical Review, USA).
- 887. ——: Weak interaction of Photons and the Process y+y→y+v+τ. (Nuovo Cimento, Italy).
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- PAKRASI, K. B.: Social control and youth unrest (Ind. Jour. Social Research. Moerut), Nat/19/68.
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- 893. : Momentous thoughts on population problem (Bull. Socio-Economic Research Institute, Calcutta), Nat/2/89.

D. Biometry

- Das, B. C.: Electrophoretic determination of amylase in the postembryonic of carp Labeo Rohita (Ham.), (Biochimica et Biophysica Acta, Netherlands), Nat/8/68.
- 896. : Age-related variability of blood chemistry, mehatology and proteins (Congress of the Hungarian Association of Geronotology, Semmelweis Anniversary West, Budopest), Nat/9/68,

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- S98. GHOSAL, D. N.: Sorption of streptomycin by clays from an aqueous solution of streptomycin sulphate (Proc. 66th Session, Indian Science Congress). Nat/21/68.
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- DAVIS, T. A.: Difficulties in the genetic improvement of the coconut: A promising alternative method (Indian Journal of Genetics and Plant Breeding, New Delhi), Nat/6/68.
- S104. : Bilateral symmetry in the leaves of cocce nucifera L. (Proc. P.A.O. Coconut Conference, Jogjakarta). Nat/14/68.
- S105. : Morphology and physiology of coconut pneumatophores (Proc. F.A.O. Coconut Conference, Jogiskarta), Nat/15/68.
- S106. : Vegetative apoximis in coconut and other palms (Proc. F.A.O. Coconut Conference, Jogiakarta), Nat/16/68.
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- 8108. ——— (with Galenko, J. G.): Structure of seed coat in Cassia sp. and its phylogenetic significance (Precede), Nat/25/68.
- S109. ———: Phyllotaxis of Elaois Guineensis Jacq., and its affect on leaf form and position of spadix. (Oleagineux, Paris), Nat/1/89.
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- BHATTACHARYA, N. (with Haldar, A. K.)i: Fertility and sox-sequence of children of Indian couples (Milbank Memorial Fund Quarterly) Dem/1/89.
- S113. GUPTA, P. B. (with Ramakriahna, G.): Net reproductivity of West Bengal (India.) by districts and its association with some socio-economic variables (Essays in Demography—a volume to be presented to Dr. S. Chandrasekhar on his 50th birthday), Demoj3/89.
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- S117. RAMARRISHNA, G. (with Raman, M. V.): A method to group the census industrial categories of workers (Jour. Inst. Economic Research, Dharwar), Dem/2/69.

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- 8119. : Selection of isolate ideas (Herald of library science).
- S120. : Preparation of list of isolates and qualifiers (Herald of library science).
- 8121. : Grouping of isolates (Herald of library science).
- S122. ———: Choice of a methodology for design of a scheme for classification (Herald of library science).
- S123. ———(with Venkataraman, S.): Preparation of schedule-on-tape for synthesis of class number by computer (Lib. sc. 6, J), DRTC/5/69.
- S124. ——— (with Venkataraman, S.): Formation of isolate number by computer using the devices of colon classification (Lib. sc. 8, Paper K), DRTC/4/69.
- 8125. RANGANATHAN, S. R. (with BHATTACHARYYA, G.): Conflict of authorship: Person as Corporate body (Lib. sc. 6, Paper H), DRTC/7/69.
- \$126. _____ : Library-science-based library service (Lib. sc., 6, Paper G), DRTC/6/89.

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- S127. Bramageary, R. L.: A chapter (Progress in Biophysics and Molecular Biology) (Pergamon Press).
- S128. (with Palchoudhury, S. and Tapaswi, P. K.): Further investigations on transcription and translation in Limnaes (Biochimica and Biophysica Acta).

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- S129. Senoupta, A. and Ghosal, A. K.: Motivational aspects of fertility control in an industrial town in West Bengal (Jour. Inst. Asian Studies).
- S130. ——— ; Oral contraception : an application in family planning programme in Calcutta City (Jour. Ind. Med. Asson.).
- S131. : Application of an experimental scale for measuring attitude towards family planning (Ind. Sociol. Bull.).
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- S134. Kutty, T. S.: Some contributions to the stratigraphy of the upper Gondwana formations of the Pranhita-Godavari valley, Central India (Jour. Geol. Soc. India, Bangalore), Nat/13/68.
- S135. Senoupta, Superva: Geology of south-western Bengal (Geography of West Bengal), Nat/11/68.
- S136. ______: Gondwana sedimentation around Bheemaram (Bhimaram), Pranhita-Godavari Valley, India (Jour. Sedimentary Petrology), Geol/2/69.

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- BHATTACHARYA, N.: Correlation between word-length and word-frequency in written English (Journ. Amer. Stat. Asson). Econ/Cal/6/08.
- S138. ——— (with Chatterjee, G. S.): Rural-urban differentials in consumer prices in India (Economic and Political Weekly, Bombay).
- Sl.39. Dev. B.: Growth of mining industry in the Indian Union by States, 1951-60. (Sixth Conference, Indian Association for Research in National Income and Wealth, Bangalore).
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- DUTTA MAJUMDAR, DEB K.: Choice of regressor in Eagel curve analysis (Jour. Amer. Stat. Asson.). NSS/3/68.
- S142. : Analysis of growth pattern of Indian manufacturing industries during 1951-1961 (Research in National Income and Wealth).
- S143. ______: Estimation of elasticity by least squares method, (Symposium Volume on Statistical Methods in Economics, 58th Session, Indian Science Congress).
- S144. Estimation for a domain of study (Jour. Amer. Stat. Asen.).
- S145. : Reference period in family budget anquiries (Bull. Socio-Economic Research Inst.).
- 8146. МИКЕКАЗЕЕ, М.: An exercise in the estimation of the growth of tangible wealth of India since 1900 (Uolden Jubilee Volume, Indian Economic Association).
- S147. : Size and areal distribution of the level of living in India (Symposium on India's Social Situation).

- S148. Naqvi, S.: The small farmer and his credit problems (Economic and Political Weekly)
- S149. ______: Economic ideas of Mahatma Gandhi—the concept of trusteeahip (Transactions, Gandhi Centenary Seminar, Indian Institute of Advanced Study, Simila).
- 8150. : The viability of small firms (Economic and Political Weekly).
- Slöl. Roy, B.: Growth of capital formation in India in recent times (Papers on National Income and Allied Topics, vol. V.); Sixth Conference, Indian Association for Research in National Income and Wealth, Bangalore.
- S152. ———: A note on the differences between the revised and the conventional series of national income estimates in India (Economic and Political Weekly, Bombay).
- S163. : Depreciation-estimation—a problem of national accounting in India (Economic and Political Weekly).
- S154. ———: The effects of wage incentives in sugar and jute industries in India (Ind. Jour. Labour Economics).

N. Psychometry

- S155. BASUMALIJE, Tapam (with Bhattacharyys, K. P.): Relative contributions of language and reasoning to test performance (Jour. Education and Psychology), Psych 6180
- (S155) BEATTACHARYYA, K. P. (with Basumallik, Tapan): Relative contributions of language and reasoning to test performance (Jour. Education and Psychology), Psychi6/69.
- S156. CRATTERJER, S. (with Mukherjee, M., Mitra, Sadhana and Dutta, A.): A comparative study of the interest patterns of the inmates of the house of detention, normal school-going children and children living in the alum area at Calcutta (British Jour. Criminology), Psych1/69.
- 8167. —— (with Mukherjee, M.): A comparative study of several objective methods suitable for interpreting individual's set of scores in vocational guidance (Jour. Education and Psychology, Baroda), Psych/2/69.
- S158. —— (with Mukherjee, M.): The predictive ability of a differential aptitude test battery—a follow-up stedy (Indian Educational Review, National Council of Educational Research, New Delhi), Psych/3/69.
- S159. (with Mukherjee, M.): Validity study of a selection test battery used for selecting students at the Indian Institute of Management, Calcutta (Personnel Psychology, Inc., USA), Psych/4/69.
- 8160. (with Mukherjee, M.): An application of the technique of analysis of variance in an experiment in the field of education measurement (Indian Journal of Applied Psychology, Madras).
- (with Mukherjee, M.): A comparison of the predictive abilities of two reasoning tests—verbal and abstract, at school level (*Indian Psychological Review*, Varanasi).

- S162. CHATTERJER, S. (with Mukherjoe, M., Bose, Utpala and Sinha, S.): An investigation into the interest patterns of the students in science, humanities and commerce streams at the H. S. level (Jour. Psychological Research, Madras.)
- S163. Das, RHEA, S.: Semantic differential measurement of the Bengali meaning system (Jour. Psychological Researches), 10/68.
- (with Kostie, Djordje): An analytical description of inter-relationships among Serbo-Croation vowels (Language and Speech, London), 34/88.
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- (S157.) (with Chatterjee, S.: A comparative study of several objective methods suitable for interpreting individual's set of scores in vocational guidance (Jour. Education and Psychology, Baroda), Psych/2/69.
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- (8159.) (with Chatterjee, S.): Validity study of a selection test battery used for selecting students at the Indian Institute of Management, Calcutta (Personnel Psychology, Inc., USA), Psych/4/69.
- (8160.) (with Chatterjee, S.): An application of the technique of analysis of variance in an experiment in the field of education measurement (Indian Journal of Applied Psychology, Medica).
- (Si61.) (with Chatterjee. S.): A comparison of the predictive abilities of two reasoning tests—verbal and abstract, at school level (Indian Psychological Review, Varanasi).
- (8162.) (with Chatterjee, S.): An investigation into the interest patterns of the students in science, humanities and commerce streams at the H. S. Level (Jour. Prackological Research, Madras).

O. Sociology

- CHATTOPADBYAY, K. (with Bandhopadhyay, S.): Technological innovation and people's reaction (Human Organization, USA). Nat/12/69.
- MURRERJEE, R.: On the secondary analysis of variations in family structures, (Current Anthropology, USA).

P. Statistical Quality Control

- S168. HARIHARAN, G. and GURLA, J. C.: Acceptance earnpling plans —a powerful tool for Quality Control (Andhra Pradesh Productivity Council Journal).
- S169. MUKHOPADHYAY, A. C.: Operability region and optimum rotable designs, SQC T & P Unit, Calcutta (Sankhyā).

Annexure 6: List of National Sample Survey Reports

6.1. DRAFT REPORT REVISED AND FINALISED FOR PRINTING

O.I. DEET THE OS. ILLEVIAND AND PRIMARED FOR PRINTING

(The date of submission to the Government of India is given in brackets)

al. no.	draft report no.	title of the report
(I)	(2)	(3)
1.	136	Tables with notes on consumer expenditure: some important items, 18th round, February 1963.—January 1964. (September 1968)
2.	148	Tables with notes on rural employment and unemployment 15th round, July 1969—July 1960. (August 1968).
8.	154/1-2*	Tables with notes on consumer expenditure (some preliminary estimates), 19th round, July 1984—February 1965. (March 1969).
4.	156	Differential birth, death, and infant mortality rates in rural households, 15th round, July 1959—July 1960. (June 1968).
5.	157	Tables with notes on indebtedness of scheduled tribe households, 18th round February 1963—January 1964. (April 1968).
6.	160	Some results of land utilisation survey and crop-cutting experiments, 20th round, July 1965—June 1966. (July 1968).
7.	164	Tables with notes on urban labour force, 18th round, February 1963—January 1964. (August 1968).
8.	165	Tables with notes on housing condition, 17th round, September 1961—July 1962. (July 1968).
9.	167	Tables with notes on consumer expenditure (some selected items), 18th round gap period, February—June 1964. (July 1968).
10.	168	Tables with notes on income of scheduled tribe households, 18th round, February 1963—January 1964. (August 1968).
11.	169	Tables with notes on urban employment and unemployment, 15th round July 1959—June 1960. (August 1968).
12.	172	Tables with notes on some aspects of land holdings in rural India, 16th round July 1960—June 1961. (March 1960).
13.	173	Report on pilot study on non-household enterprises, 19th round, February 1965—June 1966. (July 1968).
14.	174	Tables with notes on housing condition, 15th round, July 1959—June 1966 (June 1968).
15.	175	Tables with notes on couple fertility, 17th round, September 1961—July 1962. (August 1968).

^{*} These reports are not being printed as per Government decision.

al. 200.	draft report no.	title of the report
(1)	(2)	(8)
16.	180	Tables with notes on the Annual Survey of Industries, 1965 (sample sector): summary results. (March 1969).
17.	180	Tables with notes on consumer expenditure of scheduled tribe households, 18th round, June 1963—May 1964. (March 1969).
18.	191	Report on Special Survey on household entreneurial activities in Aligarh town 1959-60. (August 1968).
		6.2. DRAFT REPORTS SUBMITTED TO THE GOVERNMENT OF INDIA
		(The date of submission is given in brackets)
1.	185	Tables with notes on housing condition, 18th round: June 1963—May 1964 (April 1968).
2,	186	Tables with notes on international migration—urban, 18th round: February 1963—January 1964 (April 1968).
3.	187	Tables with notes on differential fertility and mortality rates in India, 18th round: February 1963—January 1964 (April 1968).
4.	188	Tables with notes on the Annual Survey of Industries, 1963: sample sector: detailed results (April 1968).
5.	189	Tables with notes on urban labour force, 20th round: July 1965—June 1966 (April 1968).
6.	100	Tables with notes on consumer expenditure of scheduled tribe households, 18th round: June 1963—May 1964 (April 1968).
7.	191	Report on special survey on household entrepreneurial activities in Aligarh Town, 1969-60 (April 1968).
8.	192	Tables with notes on post census survey of livestock numbers 1966, 20th round: July 1965—June 1966: (January 1969).
9.	193	Tables with notes on post census survey of livestock numbers, 1966 (rural sector) (January 1969).
10.	194	Tables with notes on villages and towns in India: some results, 19th round: July 1964—June 1965 (January 1969).
11.	195	Tables with notes on international migration, rural, 18th round : February 1963—January 1964 (March 1969).
12.	196	Tables with notes on differential fertility and mortality rates in rural and urban areas in India, 19th round: July 1964—June 1965 (March 1969).
13.	197	Tables with notes on employment and unemployment in rural areas, 17th round: September 1961—July 1962 (March 1969).

al. no.		title of the report							
(1)		(2)							
14.	198	198 Tables with noise on the annual survey of industries—1966; sample sector; summary results: (March 1969)							
15.	199	Some results of the land utilisation survey and crop-outting cround: July 1967—June 1968 (March 1969).	experiment, 22nd						
16.	200	200 Tables with notes on consumer expenditure, 17th round: September 1961 —July 1962 (March 1969).							
17.	201	201 Tables with notes on employment and unemployment in rural and urban areas of Indis, 19th round: July 1964—June 1965: integrated household survey—schedule 17 (March 1969).							
18.	202	202 Some results relating to construction of pucca houses in rural and urban areas, 22nd round: July 1967—June 1968 (March 1969).							
19.	204	Vital rates in India, 19th round: July 1984-June 1965 (M	arch 1969).						
	6.3. L	ist of NSS Deaft Reforts prepared by State Government Comments were forwarded to the Government of Ind							
	$(T\lambda$	e date of submission of the Institute's comments is indicated in	brackets)						
1.	Report	on consumer expenditure, 18th round, NSS (August 1968)	Kerala						
2.		on employment & unemployment in rural areas, 16th round, ecomber 1968).	Kerala						
8.	•	on earnings from professional and liberal arts, 18th round, ugust 1968).	Madhya Pradesh						
4.	Report	on livestock products, 15th round, NSS (rural) (July 1968).	Madhya Pradesh						
5.	•	on disposal of cereals by producer households, 15th round, sral) (June 1968).	Madhya Pradesh						
6.	Report 1968).	on village and town statistics, 19th round, NSS (September	Madhya Pradesh						
7.	Report	on capital formation (urban), 17th round, NSS (August 1908)	Madhya Pradesh						
8.	Report	on rural and urban facilities, 20th round, NSS (March 1969)	Madhya Pradesh						
9.		on tables with notes on rural employment and unemployment, und, NSS (August 1968).	Maharashtra						
10.	Report	on capital formation (rural), 15th round NSS (September 1968) Mahararlitra						
11.	•	on certain basic amenities in villages of Mysore State, 18th NSS (November 1968).	Mysore						

Annexure 7: Statement of Accounts, Auditors' Report and Audited Statement of Accounts-1968-69.

AUDITORS' REPORT

We report that we have audited the Balance Sheets as on 31st March 1969, signed by us under reference to this report, of

- (a) The Indian Statistical Institute, and
- (b) The "Other Funds" (items 0.1 to 0.6 of the Property and Assets side of the Balance Sheet of the Institute).

and relative Income and Expenditure Accounts for the year ended that date with the books and records maintained by the Institute and produced to us and the information and explanations given and, subject to and read with the notes thereon and also subject to the belowmentioned remarks, have found them to be in accordance therewith.

The remarks referred to above are:

- (1) Values of Fixed Assets acquired on dates prior to 31st March 1952 were taken from those appearing in the Inventories prepared as on that date.
- (2) The title deeds in respect of lands at Giridih (book value Rs. 14,661.16 vide Supervision Fee Fund Accounts Balance Sheet and Rs. 23,614.51 vide items 2.1 and 2.6 of Schedule I to the Institute Accounts) were not available for our inspection. Further, we understand that the title deeds in respect of landed properties at Delhi, Madras and 102 Barrackpore Trunk Road, Calcutta (total book value Rs. 7,62,176.00) have not yet been executed.
- (3) In the absence of any details, we are unable to form an opinion as to the adequecy or otherwise of the value of Rs. 2,00,000/: placed on the books received as gift from a donor which has been capitalised by crediting to the General Fund (vide Schedule I (column 7.2) annexed to the Institute's Balance Sheet.

A part of values of certain other books and journals amounting to Rs. 1,96,289.67 [vide Schedule I (column 7.1) annexed to the Institute's Balance Sheet], although charged to the Institute's Income and Expenditure Account for the year, have been capitalised by crediting General Fund Account.

(4) With regard to Storen/stock of building materials (item 7 of the Property and Assets side of the Balance Sheet of the Institute and item 4.1 of the Property and Assets side of the Balance Sheet of Development Fund No. II Account) the following adjustments have been incorporated in the books during the year 1968-69:

(a)	Short/excess arising out of physical counts made by the officials of the Institute in October 1967, December 1967 and March 1969		49,169.10
(b)	Value of quantities of items of stores consumed in earlier years but not accounted for in the ap- propriate years		16,321.82
(e)	Sale proceeds of materials (including slow moving and obsolete items and also Rs. 44,780.65 being the amount allocated to Development Fund No. 11 Account)	1,07,995.27	
	Loss on sale of the above items (including Rs. 20,697.02 allocated to Development Fund No. II Account)	63,090.42	1,71,085.69

Ra. P.

In the absence of necessary details, it has not been possible for us to form an opinion about the correctness of the allocation of the items (b) and (c) between the Institute's Account (i.e. General Fund Account) and the Development Fund No. II Account.

Further, adjustments as may be necessary, to cover the diminution in value arising out of the deterioration in the conditions of the items of stocks in hand as on 31st March 1969 have not been made in these accounts as the extent of such adjustments, we are given to understand, has not been ascertained.

- (5) Re. 24,13,740.07 being amount already claimed/to be claimed from the Government of India (item 5 of the Property and Assets side of the Institute's Balance Sheet) is considered good and recoverable by the Institute's officials at this stage. It has not, however, been possible for us to form an opinion in this regard from the information and explanations made available to us.
- (6) Adjustments in respect of certain amounts which were included under the heads "Advance to Suppliers and Contractors" and "Suspense and other Advances" as at 31st March 1968, have been incorporated in these accounts as follows:

i)	Amounts charged to various expenditure account	Re. 2,01,852	P. 54	Re.	P.
íi)	Debited to the respective fixed assets account	1,537	.00		
iii)	Debited to Building materials and labour charges	18,937	.80	2,22,327	.34
i v)	Amount considered irrecoverable and therefore written off			18,026	.58
v)	Other adjustments			5,174	.32
			Ra.	2,45,528	.24

It has not been possible for us to judge the extent to which, this amount of Rs. 2,45,528.24 reflects adjustments relating to previous year.

There are certain other "on account" advances made to the suppliers/employees/
others included in "Advance to Suppliers and Contractore" Rs. 1,08,085.40 and in "Suspense
and other Advances" Rs. 3,41,887.22 (items 8.3 and 8.4 of the property and assets side of the
Institute's Balance Sheet), which have not been accounted for by them even there lapse of
considerable time. Accordingly, necessary adjustments in respect of expenses etc. sgainst
such advances have not been incorporated in these accounts and/or in the accounts for appropriate years. A part of these advances may not be recovered eventually.

- (7) With regard to the belances in Delhi 'A' and 'B' Accounts with the State Bank of India amounting to Ra. 1,673.23 and Ra. 689.10 respectively (vide Schedule VII to the Institute's Balance Sheet) it has not been possible to verify these balances in the absence of the relevant banks' statements and certificates of balances.
- (8) As appears from Schedules VI and VII annexed to the accounts, the amounts shown as Cash Balances (both in hand and at Banks) in the Balance Sheets, dealt with by this report, represent the balancing figures.

(9) Hospitality and Housing Committee Rs. 1,05,330,04 (item 7.1 of the Funds and Liabilities side of the Balance Sheet) represents not amount due to the Committee in respect of services rendered to the Guesta and Officials of the Institute.

Not advances to the Canteen upto 31st March 1969, have been charged off to Revenue and have been included in Workers' Wolfare and Amenities (item 10 of Expenditure side of Income and Expenditure Account).

Following the previous years' practice, other transactions (including revenue deficit and/or surplus, if any) relating to the above Committee/Canteen have not been included in the Institute's Account.

- (10) Furthermore, in accordance with the consistent practice, transactions in respect of the ISI Small Scale Industries Experimental Unit have not been included in the Institute's Accounts. In the Balance Sheet as at 31st March 1960 of the Supervision Fee Fund, a sum fra. 9.411.28 being not amount payable by the Fund to the Unit upto that date, however, has been shown as "Amount due to ISI Small Scale Industries Experimental Unit."
- (11) An amount of Re. 5,000/- being interest has been credited by the Institute during the year to the Gratuity Fund for utilising the monies of the Fund. It has been explained to us that this adjustment is only a token one and accordingly we are unable to form an opinion as to the adequacy of the amount credited.
- (12) For the purpose of the Income and Expenditure Account, we have accepted the allocations of expenditure between "plan" and "non-plan" made by the officials of the Institute.
- (13) It has been explained to us that the activities of the local branches at Bombay, Mysore State and Kerala are independent of those of the Institute and accordingly the transactions relating to these branches do not form part of these accounts.

Calcutta, 9th December 1969. PRICE WATERHOUSE, PEAT & Co.

Chartered Accountants

			B	ALANCE SHEET
1967-68 Ra. P.		Fund and Liabilities	Ra, P	Ra. P.
	1	1. OENERAL FUND:		
1,34,37,458.35		As per Schedule VIII enclosed		1,40,43,628.77
	2	OTHER FUNDS: (excluding Director's Contribution Fund and Indian Statistical Institute General Provident Fund)		, , . ,
		As per separate Balance Shoots enclosed as per contra :		
		.1 Visiting Professors and Pellows Fund	113.13	
		.2 Gratuity Fund	30,51,835.72	
		4 Development Fund II	10,08,825.54	
		.6 Supervision Fee Fund	2,16,304.B7	
			44,86,601.20	
42,18,157.60		6 Lee: Leave Salary Fund	62,361.23	44,34,239.97
	3.	LOANS FROM OTHER FUNDS:		
35,08,342.59		As per Schodule IX enclosed		30,64,000.00
	4.	CASH CREDIT ADVANCE FROM STATE BANK OF		
5,00,000.00		INDIA, SHAMBAZAR (GUARANTEED BY GOVERN-		* ** *** ***
0,00,000				5,00,000.00
	ь.	AMOUNT REFUNDABLE TO GOVERNMENT OF INDIA IN RESPECT OF BANGALORE LAND RE-		
		QUISITIONED BACK BY GOVERNMENT OF		
		NYSORE	1,52,018.92	
		Less: AMOUNT RECOVERABLE FROM GOVERN-		
1,23,593,12		Less: AMOUNT RECOVERABLE FROM GOVERN- MENT OF MYSORE IN RESPECT OF THE ABOVE LAND	29,325.80	1.00 700 10
1,20,000.12		ABOVE LARVO	29,325.80	1,23,593.12
	6.	ROCKEFELLER FOUNDATION GRANT:		
		As per contra :		
1,322.29		As per last account		1,322.29
	7.	DEPOSITS AND OTHER LIABILITIES:		
	.1	Hospitality and Housing Committee	1,05,830.04	
	.2	Staff income tax and annuity deposits	26,699.66	
	ê	Library and other deposits	53,659.08	
	.4	Staff insurance, Co-operative Society, Statistical Workers' Housing Scheme etc.	10,238.52	
	.6	Director of Health Services for purchasing consus report through UNESCO	8,126.00	
11,78,855.78	.6	Other liabilities	11,41,009.26	13,51,563.76
		0.11		A 25 10 A40 C
29,65,729.73		Carried over:		2,35,18,246.01

AS AT 31st MARCH 1969

1967-58 Ra. P.		Property and As	mola			Ra, P.	Ra. P.
	1.	FIXED ASSETS:					
1,33,40,460.85		As per Schodule I enclosed					1,38,18,709,14
	2.	RENTAL OF TELEPHONE (INCLUDING INSTALLATIO			ME:		
		Capital Grant Account :					
		As per last account				29,917.20	
		Less : written off during the year	ur @ 5%			1,495.86	
						28,421.34	
29,917.20		Add: payments during the year	r			30,570.00	58,991.34
	3.	ADVANCE ON ACCOUNT O ON JOINT PROJECT FOR T ELECTRONIC COMPUTERS ING VALUE OF FURNITI LOANED TO ISJU WHIC SCHEDULE I)					
		As per last account				7,12,302.82	
7,12,302.82		Add : during the year				50,028.45	7,62,329.27
	4	RECOVERABLE CAPITAL O	UTLAY:		••		
15,135.58		As per last account					15,135.58
	5.	AMOUNT CLAIMED/TO BE O	LAIMED I	PROM GOVI	ERN.		
	.1	Amount already claimed but Schedule II enclosed	pending a	ccopiance a	e per	19,64,535.60	
	.2	Amount to be claimed as per Sing Rs. 42,393.40 being loss obuilding materials)	n sale of	enclosed (in old and dau	clud- naged	96,658.94	
	.3	Amount claimed and rejected	(but under	corresponde	ace):		
28,25,184.59		As per Schedule IV enclosed				3,52,547.53	24,13,740.07
	6.	EXCESS OF EXPENDITUR RESPECT OF MISCELLAN ACTIVITIES ON BEHALF OI INDIA AND OTHER BOD MENTS ON SETTLEMENT (MADE:	F THE GO	ROJECTS VERNMEN DING ADJ	AND FOF UST		
1,99,701.42		As per Schedule V enclosed					2,13,452.87
5,43,598.03	7.	STORES (BUILDING MATER	RIALS ETC	.) AT COST			3,46,435.44
1,76,68,300.49		Carried over:					1,76,28,793.71

BALANCE SHEET

1967-68 Pas. P.		Fund and Liabilities	F	a.	P.	Ra. P.
2,29,65,729.73		Brought forward				2,35,18,248.91
	8.	EXCESS OF INCOME OVER EXPENDITURE IN RESPECT OF MISCELLANEOUS PROJECTS AND AUTIVITIES:				
1,880.54		As por Schedule X enclosed				1,36,904.25
	9.	EXCESS OF RECEIPTS OVER EXPENDITURE IN RESPECT OF CAPITAL EXPENDITURE GRANT RECEIVED FROM GOVERNMENT OF INDIA:				
		As per Capital Expenditure Account				1,61,664.79
	10.	AMOUNT DUE TO ELECTRONIC DATA PROCESSING AND COMPUTATION UNIT ON LOAN ACCOUNT:				
12,00,250.42		As por separate Balance Sheet of the Unit enclosed				11,65,000.00

2,41,67,860.69

2,49,81,905.95

- NOTES: (a) In accordance with the terms and conditions of the Grants for Capital Expenditure received from the Government of India, the Institute shall not sell or otherwise dispose of or mortgage any property sequence by it with
 such grants without prior approval of the Government. Most of the assets have been sequired out of the Govern
 - such grants witness prior approva to ind dovernment. José of the assets have been acquired out of the Government grants, total written down values of which, however, can not residily accertainable (6) Cash balances in hand include balance with International House of Japan, Translation Unit in TOKYO amounting for Rs. 5,10.8.17, being Japanese Yerns 0.08,504 converted a 1-per-dovaluation rate of exchange
 - amounting to the 200 approximately).

 [6] Transactions in respect of Electronic Data Processing and Computation Unit of the Institute have not been incorporated in these accounts. These are so out in the apparate Balance Sheet as at 31st March 1969 and the Income and Expenditure Account of the Unit annexed herewith.
 - (d) These accounts do not include loan received from Government of India on account on Honoyavel H-400 Computer and the utilisation thereof, the details of which have been set out in a separate Balance Shoot as at 31st March 1909.
 - (a) The Institute has guaranteed that in the event of the recognition of the Indian Statistical Institute General Provident Fund by the Commissioner of Income Tax, West Bougal, is not given, the Institute will be respectable for any additional income tax which may be payable in this regard.

 (f) These accounts do not include the grant of \$85,000.00 made by Ford Foundation to the Institute and the disbursements thereout, the particulates of which are not receiptly available.

Calcutta, 9th December, 1969.

S. P. Mukherjee Chief Accounts Officer

P. Ray Joint Secretary

AS AT 31st MARCH 1969-Contd.

1907-68 Ra. P.	Property and Ameta	Ra. P.	Ra. P.
1,76,66,300.49	Brought forward :		1,76,28,793.71
	8. LOANS AND ADVANCES:		
	.l Departmental imprest	1,350.35	
	.2 Festival advance to workers	3,235.29	
	.3 Advance to Suppliors and Contractors	1.08.085.40	
	4 Suspense and other advances	3.41.937.22	
	5 Educational, relief and other loans	25,132.02	
	.0 Sceunty deposit	28,310,30	
	.7 Sundry debtors (partly irrecoverable)	89,946.61	
	a Advance for purchase of land	51,332.41	
	9 Charges propaid	4,321.51	
7,20,278.05	.10 Marginal deposit for letter of credit	2,290.00	6,58,007.01
	9. NET ASSETS OF OTHER FUNDS: (EXCLUDING DIRECTORS CONTRIBUTION FUND AND INDIAN STATISTICAL INSTITUTE GENERAL PROVIDENT FUND) As per separate Balanco Shoots onclosed As per contra:		
	.1 Visiting Professors and Fellows Fund	113.13	
	2 Gratinity Fund	30,51,835.72	
	3 Development Fund I	1.19.521.94	
	4 Development Fund II	10,98,825.54	
	.5 Supervision Feo Fund	2,16,304.87	
		44,86,601.20	
42,16,157.60	.6 Lem: Leave Salary Fund	52,361.23	44,34,239.97
	10. CASH BALANCES:		
	.1 In hand Ая per Schedule VI enclosed	49,341.29	
	.\$ At Banks : On Current Accounts : i) With American Express Co. Inc., Calcutts for Rockefeller Foundation Grant : As per countra		
	ii) With other Banks as per Schodule	22,11,523.07	22,60,865,26
15,05,123.85	VII enclosed 22,10,201.08	-2,11,000.07	22,00,000
2,41,67,860.60			2,49,81,905.95

This is the Balance Shoot referred to in our report of even date

PRICE WATERHOUSE, PRAT & Co.

INCOME AND EXPERDITURE ACCOUNT

	67-68				
plan Ra. P.	non-plan Ra. P.		Expenditure	plan Rs. P.	non-plan Ra. P.
3,32,962.97	65,82,269.41	1. 7	'o Selary and remuneration to teachers etc. [See Note (f) below]	4,23,174.88	** ** *** ***
16,382.00	24,75,685.01	.1 .		18,621.03	69,88,935.41 27,02,174.54
7,784.26	7,59,903.90	.2 ,		9,001.38	8,45,607.67
4,208.78	4,24,573.17	.3 .		4,255.67	4,72,414.18
,		.4 ,	Employer's contribution to Workers' Pro-	.,	-11-411110
	5,17,325.78		vident Fund	_	5,35,490.68
_	6,95,868.37	.5 ,	Reimbursement of medical expenses	_	4,16,276.89
_	_	.6 ,,		_	35,133.75
_	_	.7 ,	Leave travel concession	_	15,231.21
39,594.23	5,05,188.85	2. ,	Travelling expenses	31,212.71	4,97,925.92
_	2,91,871.92	3. ,	Overtime allowance	83.06	3,10,724.84
_	47,873.38	4. ,	Payment for leave vacancies	-	68,002.00
		ō	Visiting professors, foreign scientists, fellows		
70,774.98	1,65,067.53	0. ,,	and experts	33,725,71	93,388.95
10,174.00	1,00,001.00			00,120.11	00,000.00
		6. "	Scholarships, stipends and other assistance to		
32,842.56	3,27,037.72		trainoce	32,659.57	3,73,556.57
_	500.00	7	Prizes to workers for initiative	-	314.00
_	3,10,395.47	8. ,,	Contribution to Gratuity Fund	_	3,21,299.80
		9. "	Machine Tabulation expenses:		
0.00.00.00	14 10 100 50	.1 "	ment, punches and verifying machines etc. including service charges and freight, customs and other charges for new machineries [See	105100.00	10.51.615.14
2,52,158.15	16,59.438.79		Note (a) below]	1,95,139.00	17,54,615.18
		•	Cost of cards and cabinete, stores and sta-		
	1,90,747.77	.2 "	tioneries etc.		2,21,420.53
_	1,00,141.11		stollorios dos.	_	2,21,120.00
3,110.09	61,988.48	10. "	Printing and publication	4,432.79	1,06,159.31
		11.1 ,,	Society type activities (entertainment and		
9,769.40	17,462.77	,,	conference expenses etc.)	16,429.01	24,472.36
_	28,142.08	.2		48.75	32,105.24
					,
		12.1 ,,	Books and journals (including cost of binding		
58.19	83,949.99		oto.)	2,705.31	2,03,915.39
92.96	10,886.29	.2 ,,	Microfilm, photo and audiography expenses	306.50	10,275.34
_	863.73	13. "	Expenses on Translation Unit in Japan	_	191.00
			Denoise endouement and materials of		
59.91	70,852.18	14. ,,	Repairs, replacement and maintenance of office equipment, furniture and accessories	***	BA 000 40
00.91	10,002.18		omco equipment, turniture and accessories	407.06	73,897.59
22,685.29	2,03,628.14	15.1 "	Stationeries and consumable stores	9,954.22	2,52,329.41
,	23001020114	.2 ,,	Other miscellaneous expenses viz., advertise-	P,001.24	1,02,328.91
		,,	mont, insurance premia, law charges, coolies,		
			cartage, conveyance and other petty expenses		
3,835.92	1,35,284.93		like hot weather contingencies etc.	5,654.49	1,67,388.31
				4,000	2,01,000.02
7,96,269.64	1,55,66,583.67		Carried over:	7,88,011.03	1,65,23,254.87
1,80,208.04	1,00,00,003.07		Officed page:		

702 TEN TRAN ENDED 31ST MARGE 1969

1967-68 plan non-plan			Income	pian Ra. P.	non-plan Re. P.
Rá. P.	Ra. P.			NA. P.	ML P.
		1. By	Grants-in-aid from Government of India for non-project sectors :		
5,70,000.00	80,94,000.00	.1 .,	Research and Training School (including Plan- ning Division and Statistical Quality Control) Scotor	5,45,000.00	66,72,000.00
			International Statistical Education Centre	30.000.00	2,00,000.00
30,000.00	2,20,000.00	.2 ,,	Grants in aid from Government of India for	30,000.00	2,00,000.00
2,00,000.00	96,31,000.00	2.1 ,,	NSS Project Sector	2,25,000.00	1,00,66,000.00
_	_	.2 "	Grants-in-aid from Government of India for Quick Tabulation of N.S.S. Schedules	-	1,10,000.00
		3. "	Receipts from non-Governmental sources:		
_	5,38,933.45	.1 "	In respect of SQC: Membership fees, training fees, service charges etc.	_	5,73,498.28
		.2	In respect of RTS:		
-	8,380.30	s) "	Momborship subscription	-	7,401.64
_	33,556.21	ъ) "	Fees for training course and sale proceeds of syllabus etc.	-	81,403.18
_	13,492.34	o) "	Examination fees and other receipts	-	14,602.50
_	7,276.87	d) "	Receipts from produce at Giridih experi- mental farm etc.	_	9,346.51
_	20,510.28	o) "	Service charges for work done by Psychome- tric Unit etc.	_	_
_		4. ,,	Grants for Miscellaneous Projects:		
_	1,01,400.00	.1 ,,	From Director of Health Services, Government of India for Family Planning Survey	_	80,000.00
-	1,11,280.00	.2 "	From Director of Health Services, Government of India for Demographic Research Centro	_	81,500.00
_	1,660.00	.3 .,	From Tata Institute of Social Sciences for Sociology of Education Research Projects	_	_
		δ. "	Miscellaneous roceipts:		
_	2,879.54	.1 "	Library	_	1,538.42
		.2 ,,	Rontal charges for machines, tools and other		
-	10,485.50	- ,,	equipments used by the Garden Reach Workshop Ltd.	-	9,754.35
-	47,585.19	6. "	Grant-in-sid received from Government of India towards re-imbursement of additional ront compensation for Gooptu Niwas	_	-
8,00,000,00	1,68,42,428.68		Carried over:	8,00,000,00	1,78,67,142.88
-,,	-,,,		Carned over:	-,,500.00	.,

INCOME AND EXPERIENCES ACCOUNTS

16	87-68		nlen	non-plan
plan Ral P.	non-plan Ra. P.	Expenditure	Ra. P.	Ra. P.
7,98,269.64	1,65,66,583.67	Brought forward:	7,88,011.03	1,85,23,254.87
		16. To Other non-salary contingencies:		
331.70	3,60,770.87	.1 Postal and M.O. charges, air and railway freight, electricity and telephone charges 2, Audit fees and expenses 25,000.00	1,202.82	4,55,135.48
-	24,484.35	Less: written back (provious year's provision) 1,124.90	-	23,875.10
_	1,42,520.30	3 "Bank charges and interest (including Rs. 5,000.00 in respect of Gratuity Fund)	-	68,403.00
1,809.58	2,59,077.63	17.1 , Rent, rates and taxes (including those of field, camps and outstation offices)	792.50	3,34,416.34
300.00	2,62,970,98	materials — Rs. 49,169.10)	633.46	3,21,190.47
1.342.57	92,011.18	18. " Transport	9,224.23	99,041.21
64.08	83,371.63	 Workers' wolfare and amenities (excluding reimbursement of medical expenses) 	172.29	64,115.08
_	2,000.00	20. "Provision for Director's discretionary ex- ponses	_	-
_	50,685.49	21.1 , Laboratory stores, tools and minor accessories otc.	137.68	61,148.91
_	15,397,77	.2 Material and other charges for experimental farming and rice research scheme	_	22,087.19
		22. , Additional rent componention for Gooptu Niwas paid to the land acquisition collec-		
_	47,588.19	tor	_	
_	-	23. Project (Miscollanous): 1. Estimates of Probabilities of Hospitalisation according to age, sex and diagnosis and their uso in planning Hospital Services (As per Aupendix 'A') 1. Project (Miscollanous): 23. Project (Miscollanous): 24. Project (Miscollanous): 25. Project (Miscollanous): 26. Project (Miscollanous): 26. Project (Miscollanous): 27. Project (Miscollanous): 28. Project (Miscollanous): 29. Proje	_	23,842.30
_	_	2. International Course on Management of Quality Control conducted in collaboration with Dr. J. M. Juran (As per Appendix B')	-	1,33,873.48
		Excess of income over expenditure as per Schodule No. XI enclosed	-	31,469.48
8,00,117.67	1,69,07,458.76	Desputing No. 112 openions	8,00,174.21	1,81,61,652.88

NOTES: (a) As stated in the Balance Sheet, this account excludes transactions in respect of Electronic Data Processing and
Computation Unit and nortain transactions in respect of Honoywell H-400 Computer Unit of the Institute, separate sets of accounts in respect of which are annexed [See notes (e) and (d) on Balance Sheet.]

Included under the head "Hire and Maintonance of Tabulating Equipment, Punches and Verifying machines, etc." is an amount of Rs. 7,51,704.50 charged by the Electronic Data Processing and Computation Unit of the Institute at its usual rates of work dune by it.

- (b) This account does not include the transactions in respect of International Statistical Education Centre Colombo
 This account does not include the transactions in respect of International Statistical Education Centre Colombo
 This account does not include the transactions in respect of International Statistical Education Centre Colombo
 This account of the Statistical Storing depreciation on Statisticates and O.V.T. tolophoco has been adjusted in General
- Funo.

 (d) In accordance with consistent practice, the rest of cards, cabineta, stationeries and stores etc., have been written off in this account and any steeks in hand as on 31st March 1988 have not been treated as assets in the Balance Sheet.

 (e) In accordance with the previous practice, certain transactions have been included in these secondarce or a cash basic. (f) Balary and remunoration to teachers etc., under the head "Plan" expenditure includes additional payments to
- certain employees for extra work done.
- (g) This account cerbudes: (i) Ra. 44,898.54 being balance of re-imbursement from the Government of India on account of N.S.S. Contract work oredited to General Fund vide Schedule VIII to the Balance Sheet. (ii) Ra. 44,209.54 being laws on sale of actors for building materials aboven under the bead "Amount to be classified from Government of India" vide Schedule III to the Balance Sheet. (iii) Re. 2,370.32 being profit on sale of associate ordinated to Government of Junia" vide Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being profit on sale of associate prodict to GovernMent Junia vide Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale of associate production to GovernMent Junia vide Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale of associate production to Government of India video Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale of associate video to Government of India video Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale of associate video Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale of associate video Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale of associate video Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale of associate video Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale of associate video Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale of associate video Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale of associate video Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale of associate video Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale of associate video Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale of associate video Schedule VIII to the Balance Sheet. (iii) Re. 2,370.32 being oposit on sale video Schedule VIII to the Balance being grants sauctioned by the Government within 31st March, 1969 on account of Family Planning Survey and Demographic Research respectively, which have been received by the Institute after that dake.
- (h) Comparative figures, have, wherever necessary, been re-arranged.

Calcutta, 8th December, 1969.

S. P. Mukherjee Ohiof Accounts Officer

P. Ray Joint Secretary.

FOR THE YEAR ENDED 31st MARCH 1969—Contd.

8,00,117.57 1,69,07,458.76

196	7-68			
Pleas Re. P.	non-plan Ra. P.	Income	plan Ra, P.	non-plan Ra. P.
8,00,000.00	1,68,42,428.68	Brought forward:	8,00,000.00	1,78,67,142.88
		7. By Project (Miscellaneous):		
_	-	 Grant received from the U. S. Department of Health, Education and Welfare, United Health Service, National Institute of Fleath American Embessy, Nov Delhi in respect of Project mentioned in item 23.1 of Expenditure eide. (As per Appendix "A") 	-	1,44,510.00
-	-	.2 " Fees received from the participants in respect of Project mentioned in item 23.2 of Expenditure side. (As per Appendix "B")	-	1,50,000.00
117.67	85,030.08	Excess of expenditure over income alloted to Sectors as per Schedule XI enclosed	174.21	_

8,00,174.21 1,81,61,652.88

APPENDIX A

STATEMENT OF INCOME AND EXPENDITURE DURING THE YEAR ENDED 31st MARGE 1969 IN CONVECTION WITH ESTIMATES OF PRORABILISTIES OF HOSPITALIBLATION ACCORDING TO AGE, EEX AND DIAGNOSIS AND THERE ORE IN PLANNING MONTHAL BESILVES.

		Expenditure	Re.	P.	Income	Rs.	P.
1.	То	Salary and other remuneration	1,750	0.00	By Grant received from the US Depart- ment of Health, Education and Welfare		
2.	,,	Travelling allowance	21,93	8.00	Service, National Institute of Health. American Embassy, New Delhi as per Income and Expanditure Account	1,44,510	0.00
3.	n	Miscolisneous contingencies	16	4.30			
		Total expenditure during the year as per Income and Expenditure Account	23,84	2.30			
	То	Excess of Income over expenditure as per Schedule XI to the Institute's Balance Sheet		7.70			

1,44,510.00

P. Ray Joint Secretary 1,44,510.00

APPENDIX B

STATEMENT OF INCOME AND EXPENDITURE DURING THE YEAR EXDED SIST MARCH 1969 IN CONVENTION WITE INTERNATIONAL COURSE ON MARAGEMENT OF QUALITY CONTROL IN COLLABORATION WITH DR. J. M. JURAN.

	Expenditure	Rs.	P.	Income	Ra	P.
1. T o	Ex-gratia and other remuneration	2,048	.69	By Fees received from participants : As per Income and Expenditure Account	1,50,000	0.00
1. "	Travelling expenses	13,297	.80			
	Board and Lodging including enter- tainment charges	61,721	.63			
	Books and Journals for distribution to participants	24,986	. 83			
ō. "	Stationeries and stores	15,649	.08			
	Printing, binding, photo, postage and other continguation	8,012	.72			
7	Office machinery and equipment	2,337	. 60			
8	Photo and Audiovisual equipment	3,775	. 63			
9,	Electrical equipment	1,691	.50			
10. "	Furniture and fittings	189	. 07			
	Total expenditure during the year as per Income and Expenditure Account	1,33,673	.45			
	Excess of income over expenditure as per Schedule XI to the Institute's Balance Sheet	10,326	.56			

1,60,000.00

8. P. Mukharjee Chief Accounts Officer P. Ray Joint Secretary

SCHEDULE (
PARTICULARS OF FOURD ASSETS

pertioulars				written d value as 31-3-19	OB	doletion adjustme made du the yea	ning	value aff deletion adjustme (sol. 2-	n/ ots
				Ra.	P.	Ra.	P.	Ra.	P.
(1)				(2)		(3)		(4)	_
A. Land and land development:									
1. Calcutta:									
I At 153 Gopal Lai Tagore Road Trunk Road)	(adjoining	203 Barn	sckpore	65,54	5.90	_	_	66,54	5.90
.2 Development of above land				40,52	4.76	-		40,52	4.76
.3 At 205 Barrackpore Trunk Road ment)	(including	oos of d	ievelop-	4,33,68	8.27	_	_	4,33,68	8.27
.4 At 156, 160, 165, 166/1 Gopal Lal	l'agore Ros	d		94,56	3.71	-	_	96,66	3.71
.5 Development of above land				6,61	8.51	-		8,6	18.51
.8 At 102 Barrackpore Trunk Road Institute)	(title not	yat veeted	in the	3,30.66	4.00	-	_	3,30,5	84.00
.7 At 206 Barrackpore Trunk Road				13,23,27	4.41	-	-	13,23,2	74.41
.8 At 202 Barrackpore Trunk Road				5,79,10	4.75	-	_	5,79,1	04.78
2. Giridih :									
.1 Farm land [note (a) below]				9,51	4.51	-	_		14.51
.2 Development and fencing etc.				29,68	9.55	-	_		89.66
.3 Farming development				10,88	32.00	-	_		82.00
.4 Irrigation and water supply				25,8	10.00	-		25,6	10.00
.5 In village 'Maketpur' Giridih				1,30,00 (b) bate (b)		-	_	1,30,0	87.90
.6 Purchased from 8m. Prakriti Devi	Gangopadi	yaya		14,00	10 .00	-	_	14,0	00.00
3. Delhi (leasehold):				4,00,00	00.00	-	_	4,00,0	00.00
4. Baroda				27,8	11.32	-	_	27,8	11.32
5. Bangalore				22,56 [note (c) b	00.00 elow]	-	~	22,5	00.00
6. Madras				21,6	2.50	-	_	21,6	12.50
7. Hyderabad				1,14.3	85.00	-	_	1,14,3	85.00
sub-total : (A1-7)				36,×1,8	75.09		_	36,81,6	75.09

AS ON SIST MARON 1969

d	epreciation	o for the year	aret melare		additions du			
_	rate %	amount	— net value (col. 4–5.1)	out of capital expenditure grant	out of current expenditure grant	out of other	total (col. 7.0 to 7.2)	written down value as on 31-3-1969 (col. 6+7.3)
		Rs. P.	Rs. P.	Ra. P.	Ra. P.	Ra. P.	Ra. P.	Ra. P.
	(5.0)	(5.1)	(6)	(7.0)	(7.1)	{7.2}	(7.3)	(8)
		_	06,545.90		_			65,545.90
	_		40,524.76		_	-		40,524.76
	_	_	4,33,686.27	3,808.86		_	3,809.86	4,37,495.13
			96,663.71	_				96,663.71
	_	_	6,618.51					6,618.51
			3,30,564.00					3,30,564.00
	_		13,23,274.41	8,670.00		_	6,670.00	13,29,944.41
	_	_	5,79,104.75	_	_		_	5,79,104.75
	_	_	9,514.61	_	_	_	_	9,514.51
	_		29,689.55		_			29,689.55
	_	_	10,682.00		_			10,682.00
			25,610.00					25,010.00
	_		1,30,087.90					1,30,087.90
	_	_	14,000.00	_				14,000.00
		_	4,00,000.00	_			_	4,00,000.00
		_	27.611.32	_	_	~		27,611.32
	_		22,540.00			_		22,500.00
	_	—	21,612.50	_		_		21,612.50
	_		1,14,385.00	_	~	_	_	1,14,885.00
	=		36,81,075.00	10,478.86			10,478.86	36,92,153.95

(Contd.)

SCHEDULE I-Conid. PARTICULARS OF FIXED ASSETS

		P	ertioulers				written d value as 31-3-19	0B	deletion adjustme made du the yea	ints ring	value a delecti adjustm (col. 2	ons/ ente
							Ra.	P.	Ra.	P.	Ra.	P.
			(1)				(2)		(3)		(4)	
В.	Buildin 1. Cal .1 Par Lai	gs: outta: rtly at 203 Barrackpore Tagore Road (main be	Trunk Ro uilding) (N	ed and oto (d)	partly at 1 below)	63 Gopsi	8,68,01	4.81	_	_	8,58,0	14.81
	.2 At	153 Gopal Lai Tagore	Road				11,26,56	8.86	-	-	11,26,5	88.88
	.3 At	205 Barrackpore Truni	k Road				17,79,28	8.22	-	-	17,79,2	88.22
	4 41	206 Barrsckpore Trual	k Road				1,18,31	0.69	-	_	1,18,3	10.69
	.5 At	202 Barrackpore Truni	Road				43,94	9.29	-	_	43,9	49.29
		mub-total : (B	31.1-1.5)				39,36,13	1.87		_	39,36,1	31.87
D.	l. Cal	nd Structures: cutts: 203 Barrackpore Truc ad (Note (d) and (g) be		und 163	Gopal La	al Tagore	91,66	0.83	_	_	91,6	90.83
	.1 At	206 Barrackpore Truni	k Road				85,28	8.79	-	_	85,1	188.79
	.8 At	156, 160, 165 & 166/I	Gopal Lal	Tagore	Road		54,91	2.34	-	_	54,1	112.34
	.4 At	206 Barrackpore Truni	k Road				10,31	14.55	-	_	10,	314.55
	.5 At	202 Barrackpore Trun	k Road				3,02,6	H.78	_	_	3.02.	504.75
		6 Rabindra Nath Ts ated on rental premise		d (for	UNTAA !	Workshop 	3,22,1	45.30	-	_	3,22,	145.30
	2. Del .1 Par	hi : titions, structures etc.,	st Dolhi				1,70	86.10	-	_	1,	68.10
	.2 Bre	ection of a Nissen hus					1,3	84 . 86	-	_	1,	84.86
		sub-total : (C	1.1-2.2)				8,70,1	07.51	-		8,70,	107.51
D.		ery & Equipment: culating, punching & o	ther tabul	ating o	quipment		7,31,3	46.47	-		7,31,	346.47
	2. Off	lee machinery & equips	ment				2,27,1	07.47	1,1	37.72	2,25,	89.75
	3. Wo	rksbop equipment					67,5	41.80	-	-	57.	H1.80
	4. Pho	oto & optical equipmen	nt				10,8	81.85	-	_	10.8	81.85
	5. Lat	boratory equipment					5,11,3	81.10	-	_	5,11,	351.10
	6. Pri	nting pross, Monotype	accessorio	oto,			5,8	U3. 67	-		5,0	603.67
	7. Con	atruction equipment					18,0	29.53	-	_	18,0	29.63
	8. UN	TAA Workshop machi	inery & eq	ulpmer	ı t		80,1	10.04	-	_	60,	10.05
	9. Elec	otronio computer (BSC	214) & oil	or tab	ulating equ	ipment	73,67	7.78		_	73,6	77.73
		sub-total : (I)1-0)				16,95,8	59.67	1,1:	37.72	18,94,	21.95

AS ON Slot MARGE 1969

dopreoiatio	n for the year	net value		additions du	ring the year		written down
rate %	amount	(col. 4-0.1)	out of capital expenditure grant	out of ourrent expenditure grant	out of other	total (sol. 7.0 to 7.2)	value as on 31.3.1969 (col. 6+7.3)
	Ra. P.	Re. P.	Ra. P.	Rs. P.	Ra. P.	Ra. P.	Ra. P.
(->.0)	(5.1)	(6)	(7.0)	(7.1))	(7.2)	(7.3)	(8)
2.5%	21,700.37	8,46,314.44		_	_	_	8,45,314.44
2.5%	28,164.22	10,98,404.64	11,766.08	_		11,766.08	11,10,170.72
2.5%	44,482.21	17,34,808.01	55,170.04	_		55,170.04	17,89,976.05
2.5%	2,957.77	1,15,352.92					1,15,362.92
2.5%	1,098.73	42,860.56		_		_	42,850.56
	UB,403.30	38,37,728.57	66,036.12			66,936.12	39,04,664.69
	6,878.81	84,814.02	_			_	84,814.02
7.8%		78,892.13					78,892.13
7.8%	6,306.08		_	_	_		50,793.91
7.5%	4,118.43	50,793.91	_	_			
7.5%	773.59	9,540.96	_	_	_	_	9,540.98
7.5%	22,605.36	2,79,909.39	13.184.57	_		13,184.87	2,93,093.98
7.5%	24,160.90	2,97,984.40	_	_	_	_	2,97,984.40
7.5%	132.45	1,633.65		_	-		1,633.65
7.5%	103.80	1,280.99	_			_	1,280.09
	65,268.06	N,04,849.46	13,184.57	_		13,184 . 57	8,18,034.02
15%	1,09,701.07	0,21,844.50	1,41,804.55		_	1,41,604.58	7,63,249.05
16%	33,895.46	1,92,074.20	39,878.44	2,337.60	_	42.215.B4	2,34,200.23
10%	H,631.20	48,910.51	~~				48,910.51
15%	1,632.30	0,240.65	6,482.70	3,775.63		10,258.33	19,507.88
16%	76,704.15	4,34,656.05	82,785.00			82,785.90	6,17,442.85
15%	870.55	4,933.12					4,933, 12
15%	2,704.43	15,325.10	4,658.70	_		4.658.70	19,983.60
15%	9,016.61	51,093.54					51,093.54
15%	11,051.65	62,626.08				_	62,626.148
	2,84,208.31	14,40,513.64	2,75,410.20	6,113.13	_	2,81,523.42	17,22,037.04

(Contd.)

SCHEDULE I-Contd. PARTICULARS OF FIXED ASSETS

_								
	P	artioulari				written down value as on 31-3-1968	deletions/ adjustments made during the year	value after deletional adjustmenta (col. 2-3)
						Ra. P.	Ra. P.	Rs. P.
		(1)				(2)	(3)	(4)
E.	Passenger lift					12,217.59	_	12,217.59
r.	Electrical equipment and in	stallation	M:					
	1. High tension electricity					83,799.94	_	83,799.94
	2. Electrical equipment an	d fittings				3,31,216.38	_	3,31,216.38
	3. High tension electricity	for UNT	AA Worksh	ор		64,602.25	_	64,602.26
	sub-total :	(F)-3)				4,79,618.57		4,79,618.57
3.	Furniture and fittings					6,91,688.90		6,91,688.90
Ħ.	Books and journals			**		18,10,025.55	_	18,10,025.65
:.	Motor cars and vehicles				• •	1,31,349.63	682.10	1,30,661.63
	Library equipment (includ Ford Foundation Grant and	ing oqu Rockefel	iipment p ler Foundst	rocured ion Grent)	through	22,380.00	_	22,360.00
:.	Construction of Overbridge					9,432.47	_	9,432.47
_	Orand Tota	1.				1.33.40.460.85	1,819.82	1,33,38,641,03

NOTES: (a) Excluding Re. 14,061.10 paid out of Supervision Fee Fund and included in the accounts of that Fund. [Note (b) in Supervision Fee Fund Balance Sheet].

(b) Including Re. 68,98-10 being additional amount paid under protest. An appeal lodged with the Patne High

(b) Including Rs. 68,98.14 [9 being additional amount paid under protest. An appeal lodged with the Patna High Court by the Institute in this respect is positing.
(c) Excluding Rs. 19,425]. being value of trees grown on the land, payable to Government of Mywer not provided for in this accounts.
(d) Situated partly on land, the value of which amounting to Rs. 97,568.85 has been included in Supervision Fee Fund. [8,108 (a) in Supervision Fee Fund Balanco Sheet].
(c) Represents estimated value of hooks received as gift from a foreign donor.
[1] Include R. 70,088.86 being duty, clearing charges stor, of Microfitche Camera, Xerox equipment the value of which were met out of a grant of the Ford Foundation and such values have not been incorporated in these accounts feer note (i) on the Bolance sheet).
(g) Includes value of cortain sheds and structures demoliabed, the extent of which is not ascertainable.

S. P. Mukherjee Chief Accounts Officer

AS ON BLAT MARCE 1969

depreciatio	n for the year	— net value		additions d	uring the year		written dowr
rate %	amount	(out. 4–5.1)	out of capital expenditure grant	out of ourrent expenditure grant	out of other sources	total (col. 7.0 to 7.2)	value as on 31-3-1969 (col. 6 + 7.3)
	Ra. P.	Rs. P.	Ra. P.	Rs. P.	Ra. P.	Rs. P.	Ra. P.
(5.0)	(5.1)	(6)	(7.0)	(7.1)	(7.2)	(7.3)	(8)
10%	1,221.76	10,965.83				_	10,995.63
10%	8,379.99	75,419.95	6,133.50	_	_	6,133.50	81,663.46
10%	33,121 66	2,98,094.72	1,19,500.71	1,691.50	_	1,21,201 . 21	4,19.295.93
In.	6,460.22	58,142.03				_	58,142,03
	47,961.87	4,31,656.70	1,25,643.21	1,691.50		1,27,334.71	5,55,991.41
10%	69,168.90	6,22,520.00	87,223.73	152.07	_	87,375.80	7,09,893.80
5%	90,501.28	17,19,824.27	83,323,33	1,96,289.67	2.00,000 : 00 [Noto (e) below	4.79,613.00	21,99,137.27
20%	26,132.09	1,04,529.44	_		_		1,04,529.44
15%	3,364.01	19,005.99	70,538.65		_	70.638.65 [Nata (f) below)	89,514.84
7.5%	707.44	8,725.03		_	_	_	8,725.U3
	8,56,917.02	1,26,81.724.01	7,32,738.76	2,04,246.37	2,00,000.00	11,36,985.13	1,38,18,709.14

P. Ray Joint Sourctary

H SJUCIHOS

Amount already claimed from Government of India but pending acceptance as on 31st March 1969

	ber	ticulars				Ra. P.	Ra. P.	Ra. P.
1.	On account of Capital E	xponditure :						
	Excess of expenditure of	ver receipt	of grant:					
ı,	1966-67							
	As per last account					2,06,851.82		
.2	In respect of 202 Barrac etc.	kpore Trunk	Rosd, for	repair, renov	vation,			
	As per last account					2,17,703.07	4,24,554.89	
.3	1967-68							
	As per last account						21,441.60	4,45,995.49
2.	On account of non-Proje	ot Sectors :						
	Excess of expenditure ov	er income :						
.1	Upto 1969-60							
	As per last account						2,25,727.00	
.2	1960-61							
	As per lest secount						1,84,517.00	
.3	1962-83 (including UNT	A Sector)						
	As per last account						3,40,075.00	7,58,319.00
ı.	On account of N88 Proje	ot Sector :						
.1	Upto 1958-59							
	Excess of expenditure ov	er income						
	As per last account						5,44,011.00	
.2	1963-64							
	Excess of expenditure ov	rer income :						
	As per last account					3,08,101.46		
	Less : Amount received fr	rom the Gove	emment du	uring the yea	ar	3,08,101.46		5,44,011.00
								17,46,326.49
								(Canhi.)

SOHEDULE II-Contd.

AMOUNT ALBRADY CLAIMED FROM GOVERNMENT OF INDIA SCT FEWDING ACCEPTANCE AS ON 31ST MARCH 1969

Ξ		partioulars				Ra.	P.	Rø.	P.	Ra.	P.
	Brought 1	Forward								17,46,328	. 49
4.	On account of Revenue cellaneous projects):	(ourrent)	Expenditure	e (excludin	g Mis-						
.1	Excess of expenditure over in non-Project Sectors an	r income in d NSS Pro	UNTAA S	ectorless S ria 1986-61	iavings 7 :						
	As per last secount							1,62,147	.92		
.2	Excess of expenditure ove	r income fo	r 1967-68 :								
	As per last account			••				50,662	.45	2,12,81	1.38
5.	On account of Plan Roven	ue Expendi	iture :								
.1	Excess of expenditure over	r income in	1966-67 :								
	As per last account				••			630	0.16		
.9	Excess of expenditure over	r income for	r 1967-68 :								
	As per last account							117	. 67	74	7.73
б.	On account of 25th Annive	ersary of the	e Institute	:							
	Excess of expenditure over	receipt:									
	As per last secount									4,65	0.00

19,64,535.60

S. P. Mukherjee Chief Accounts Officer P. Ray Joint Secretary

SCHEDULE III

AMOUNT TO BE CLAIMED VEON COVERNMENT OF INDIA AS ON 31ST MARCH 1969

	particulars	Ra. P. Ra. P.
ı.	On account of Rovenuo (current) Expenditure (excluding Miscellaneous Projects):	
	Excess of expenditure over income for 1958-59 (Schodule XI attached)	84,089.33
2.	On account of Pian Revenue Expenditure as per Income and Expenditure Account	174.21
3.	On account of loss on sale of stocks of building materials	42,393.4090,658.94
	S. P. Mukherjeo Chief Accounts Officer	P. Ray Joint Secretary

SCHEDULE IV

Amount claimed from Government of India and rejected (but under correspondence) as on 31st March 1969

	particulars	Ra. P.	Rs. P.	Ra. P.
1.	On account of non-Project Sectors:			
	Excess of expenditure over income:			
.1	1963-64			
	As por last account		85,213.78	
.2	1964-65			
	As per last secount		2,67,273.77	
2.	On account of N.S.S. Project Sector:			
	Amount recoverable against delivery of End-results:			
	As per last secount	2,00,000.00		
	Less: Amount received from the Gov- ornment during the year	2,00,000.00		3,52,547.63

8, P. Mukhorjoo Chlof Accounts Officer P. Ray Joint Socretary

SCHEDULE V

Excess of Expenditure over Recripts in respect of Misokilanbous Profects and Activities on behalf of the Government of India and Otines Bodies as on 31st March 1960.

	projects and activities			Not excess o		
	projecta and assistance			upto 31st March 1968	for the	apto 31st March 1969
				Rs. P.	Ra. P.	Ra. P.
1.	On behalf of Government of India:					
.1	Research and Planning Committee of the Plann Commission for Sociological Studies [Noto (a)]	ing		+23,765.14	_	23,755.14
.2	ISEC Colombo Plan Fellowship:					
	As por last account Less: amount received during the year	::	1,58,421.08 1,58,421.08	_		
	Expenditure during the year Less: amount received during the year	::	1,39,718.01 17,100.38		+1,22,617.63	1,22,617.67
	Sub-total: (1.2)				+1,22,617.63	1,22,617.63
.3	Director of Health Services for Family Plann Survey: As per last account	ing		+1,508.4	l	
	Expenditure during the year Less: amount received during the year		1;17,890.73 80,000.00		+37,890.73	
	Sub-total: (1.3)			+1,508.41	+37,890.73 [Note (a)]	39,399.14
.4	Director of Health Services for Demograp Studies:	hio				
	As per last account			−1,880.5	ı	
	Exponditure during the year Less: amount received during the year	::	95,044.71 81,500.00		+13,544.71	
	Sub-total : (1.4)			-1,880.54	+ 13,544.71 [Noto (c)]	I1,664.17
	Sub-total : (1.1 to 1.4)			+23,383.0	1 +1,74,053.07 [Note (b)]	1,97,436.08
2,	On behalf of other bodies:		_			
.1	International Social Science Council for International Conference on Comparative Research Social Change and Regional Disparities			+15.081.9		15,981.94
.2	Asia Foundation for above Conference			+ 34.6		34.67
.3				+ 0.18		0.18
	Sub-total : (2.1 to 2.3)			+16,016.79	· —	16,016.70
	Total:			+39,399.80		2,13,452.87
		• • •		,	1 -1 -1 -1	

NOTES: (a) Of this amount, claim in respect of Rz. 18,033.64 was withdrawn by the Institute, but has recently been received.
The Balance amount has already been claimed from Government of India but is pending acceptance.

(b) To be claimed from Government of India.

(c) The items are vide Schedule XI attached.

S. P. Mukherjee Chief Accounts Officer

P. Ray Joint Secretary

SCHEDULE VI

DETAILS OF CASE IN SAND AS ON 31ST MARCH 1969

At the Central Office and other offices of the Institute :

At the Central Or	Joe min ou	act omo	00 01 410 1110	citato .			
				Rs.	P.	Ra.	P.
At Calcutta							
Control Office				1,24,067	7.21		
City Office				930	0.66		
Field Branch				3,774	1.44	1,28,77	2.31
At Delhi						41	5.53
At Giridib						4,43	2.23
At Bangalore :							
sqc				2,14	9.43		
DRTC					7.23		
RTS					7.20	0.00	3.86
		••	••		7.20	,	
At Emakulam (K	eter (rease	••				2,90	1.87
At Madras:							
RTS				1,64	8.51		
8QC				2,81	2.33	4,36	0.84
At Bombay :							
SQC				2,87	0.37		
N86				6,40	8.44	9,2	16.81
					_	•	
At Baroda						5,43	36.02
At Coimbatore							
At Tokyo, Japan	Note (b) o	n Balan	ce Sheet]			8,10	8.17
			,			1,65,97	17.84
							_
The above amount following Balance Funds as below:	Sheets of	6,977.6 f tho I	ia has been netitute an	ahown in dita var	rious		
The Institute						49,34	11.29
Other Funds :							
Oratuity Fund				1,83			
Director's Cont	ribution F			87,11			
Supervision Fe	Fund	••	••		B. 04		
Development F Leave Salary F		••		2,63	1.94		
Visiting Profess	ors & Poll	ows Fo	nd		3.13		
Electronic data	a Proces	ing an	d Com-				
putation Uni			••	1,34			
Development F	und II	- ; ·		2,40		1 10 0	00 05
ISI General Pro	ovident Fu	md		20,16	5.90	1,16,63	0.00
						1,65,97	7.64

8, P. Mukherjee Chief Accounts Officer P. Ray Joint Scoretary

BCHEDULE VII

DETAILS OF BANK BALLEUGS (EXCEPT AMERICAN EXPRISS CO. IEO., CALCUTTA)
AS OF SIST MARCH 1969

				Ra.	P.
State Bank of India, Shyambasar—Ac	count 'B'			31,74,951	.07
State Bank of India, Delhi-Account	¥,			1,673	. 23
State Bank of India, Delhi-Account	B'			699	. 10
United Bank of India Ltd., Baranager	•			61,821	.01
United Bank of India Ltd., Dolhi .			٠.	33,313	. 22
United Bank of India Ltd., Giridib				27,169	. 18
United Commercial Bank Ltd., Giridit	1			2,646	.49
State Bank of India, Bangalore				5,014	.88
State Bank of Travancere, Ernakulan	1			23,840	. 22
State Bank of India, Madras				49,279	.99
Bank of Baroda Ltd., Bangalore				5,977	.98
Bank of Baroda Ltd., Bangalore (in the Latitute)	he name	of Officials	of 	1,00	. 57
Nath Bank Ltd., Calcutta (in liquidati	ion) doubt	ful		4,143	. 27
The Indian Bank Ltd., Combatore				24,48	. 98
State Bank of India, Bombay				12,31	. 87
Bank of Baroda Ltd., Barods				8,397	. 98
				34,26,73	.00
The above amount of Rs. 34,26, in the following Balance Sheets of the Funds as below:					
The Institute				22,10,20	.68
Gratuity Fund				5,18,000	.00
ISI General Provident Fund .				75,000	.00

34,26,731.00

.. 6,23,529.32

S. P. Mukhorjee Chief Accounts Officer

Honeywell H-400 Computer Unit

P. Ray Joint Scoretary

SCHEDULE VIII

GENERAL FUND AS ON SIST MARCH 1969

	particulars				Ra. P.	Ra. P.	Ra, P.
1.	Opening Balance						1,34,37,458.35
2.	Add : samete added during the year :						
.1	Capital Expenditure Grant Account:						
	As per statement of account of grant re the year	ocived	and expenditure	for		8,13,335.21	
.2	Current Expenditure Grant Account :						
	As per Schedule I (Column 7.1) annexed	to the	Balance Sheet			2,04,246.37	
.3	Donation of books and other papers as Dr. W. A. Showhart by Mrs. Showhart :	регеоп	al collection of	Lato			
	As per Schedule I (Column 7.2) annexed	to the	Balanco Sheet			2,00,000.00	
3.1	Profit on sale of office equipment				27.62		
3.2	Profit on sale of office motor car				2,342.90	2,370.52	
4.	Balance of reimbursement received from account of N.S.S. Contract Work	Gove	rnment of Indi	a on		44,898.54	12,64,850.64
							1,47,02,308.99
_							
б,	Lose :						
.1	Loss on sale of office equipment	••		••		367.34	
.2	Depreciation written off during the year	:					
	a) On fixed assets as per Schedule I				6,56,917.02		
	b) On O.Y.T. telephone as per Balance	Shoot			1,495.86	6,58,412.88	6,58,780.22

1,40,43,528.77

S. P. Mukherjee Chief Accounts Officer P. Ray Joint Socretary

SOMEDULE IX

LOAMS FROM OTHER FUNDS AS ON 31ST MARCH 1989

	Funds			Rs.	P.
As per	Balance Sheets of :				
1.	Gratuity Fund			 25,32,000	.00
2.	Development Fund I			 1,19,000	.00
3.	Development Fund II		٠.	 3,55,000	.00
4.	Supervision Fee Fund			 1,13,000	. 00
				31,19,000	.00
	Less: Loan to Leave Sala	ry Fund		 55,000	.00
	Total:			 30,64,000	.01

S. P. Mukherjee Chief Accounts Officer P. Ray Joint Secretary

SCHEDULE X

EXCESS OF INCOME OVER EXPENDITURE IN RESPECT OF MISCRILLARBOUS PROJECTS AND ACTIVITIES AS ON 31ST MARCH 1989

	projects and activities —				net excess of receipts (+)/ expenditure (-)					
					upto 31st March 1988		for the year (vide Schedule XI attached)		upto 31st March 1969	
					Rø.	P.	Re.	P.	Rs.	P
1.	Estimates of Probabilities of Hosp and diagnosis etc		cording to	ago, sex	_		1,20,66	7.70		
2.	International Course on Management boration with Dr. J. M. Juran	ant of Qualit	y Control i	n colla-	_	_	16,32	8.55		
_	Total:				_	_	1,36,99	4.25	1,36,99	4.2

S. P. Mukhorjee Chief Accounts Officer P. Ray Joint Secretary

SOHEDULE XI

SECTOR-WIRE BREAK UP OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH, 1969

Sectors		Grant from Government of India and others	Miscellaneous income	Total income	Total expenditure	Excess of income over oxpenditure (+ Excess of expenditure over income(-
		Ra. P.	Ra. P.	Rs. P.	Ra. P.	Ra, P.
	(1)	(2)	(3)	(4)	(5)	(6)
1. .1	Non-Plan Non Project Sectors: R.T.S. (including Planning Division and Statistical Quality Control)		6,67,642.88	73,39,642.88	74,62,202.66	- 1,22,559.68
.2	18BC	2,00,000.00	_	2,00,000.00	1,91,316.61	+8,683.39
	sub-total (Item I):	68,72,000.00	6,67,642.88	75,39,642.88	76,63,519.17	-1,13,876.20
2.	Project Sector-N.S.S	1,00,56,000.00	1,10,000.00 [Note(d)]	1,01,66,000.00	1,01,06,213.04	+69,788.96
	Total : Project and Non- Project Sectors : (1-2) :	1,69,28,000.00	7,77,642.88	1,77,05,642.88	1,77,59,732.21	- 54,089.3; [Note(a)
3.	Miscellaneous:				· ·	
.1	Family Planning Survey	80,000.00	_	80,000.00	1,17,890.73	-37,890.73 [Note(b)
.2	Demographic Research	81,500.00	_	81,500.00	95,044 . 71	- 13,544.7
.3	Estimates of Probabilities of Respitalisation according to age, sex and diagnosis		_	1,44,610.00	23,842.30	+ 1,20,667.7 [Note(c)
.4	International course or Management of Quality Control conducted in collabora- tion with Dr. J. M. Juran .			1,60,000.00	1,33,673.45	+ 16,326 . 5 [Note(c
	sub-total : (Item 3.1-3.4) :	4,58,010.00		4,56,010.00	3,70,461.19	+85,558.8
	Total (1-3):	1,73,84,010.00	7,77,012.88	1,81,61,652.88	1,81,30,183.40	+31,409.4
1. .1	PLAN Non-Project Sectors: R.T.S. (including Planning Division and Statistical Qua- tility Control)	5,45,000.00	_	5,45,000.00	4,60,448.76	+85,651.2
.2	ISEO	30,000.00		30,000.00	30,000.00	_
	sub-total: (Item 1) .	. 5,75,000.00		5,75,000.00	4,80,448.75	+85,651.5
2.	Project Sector-N.S.S	. 2,25,000.00		2,25,000.00	3,10,725.46	-85,723.4
	Total: Project and Non- Project Sectors: (1-2)	8,00,000.00		8,00,000.00	8,00,174.21	- 174.5 [Note(a
_						

NOTES: (a) The items are vide Schedule III attached.
(b) The items are vide Schedule V attached.
(c) The items are vide Schedule X attached.
(d) Receipt from Government of India for Quick Tabulation work.

S. P. Mukherjee Chief Accounts Officer

P. Ray Joint Secretary

STATEMENT OF ACCOUNT OF GRANT RECEIVED FROM GOVERNMENT OF INDIA IN RESPECT OF CAPITAL PROJECTS AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH 1969

1967-68 Ra. P.	Expenditure	Ra, P.	1967-58 Rs. P.	Grant	Ra. P.
7,28,149.60	Additions to Assets during the year: 1. As per Schedule I (Column 7.0) to the Balance Shoot of Indian Statistical Institute	7,32,738.78	9,13,000.00	Grant received from the Government of India for current year's Capital Ex- penditure	9,75,000.00
6,752.00	,	30,570 . 00	2 21,441.60	Excess of expenditure over Grant received for the year to be claimed from Government of India	_
1,99,540.00	 Advance on account of ex- ponditure on Joint Project for the construction of Elec- tronic Computers (in pro- gress) 	50,025.45			
	4. Excess of receipt over expenditure	8,13,335.21			
9,34,441.60					
9,34,441.60		9,75,000.00	9,34,441.60		9,75,000.00
		lukherjee sounts Officer		P. Ray Joint Scoretary	

We have executed the above statement with the books and records maintained by the Institute and produced to us and the information and explanations given and have found it to be in accordance therewith.

Calcutta, Oth December, 1989 PRICE WATERBOURE, PRAT & Co. Chariered Accountants

VISITING PROFESSORS AND FELLOWS FUND

BALANCE SHEET AN AT 318T MARON 1969

1967-68 Ra. · P.	Fund and Liabili		Р.	1967-68 Re. P.	Property and	Assots	Re. P.
	Fund:				Current Ameta		
113.13	As per last account	11	3.13	113.13	Amount due from the loan account	Institute on	_
					Cash in hand :		
				-	As per Schedule VI to Baiance Sheet	the Institute's	113.13
113.13		<u> </u>	3.13	113.13			113.13
	nactions during the year have been included in th					pornted in the	se Accounta
		S. f'. Mukherjee Chief Accounts Of			l'. Ray Joint Secretary		
			This is	the Balar	see Sheet reformed to in	nur report of	even date.
Calcutta.	ler, 1969.				PRICE W	ATERHOUSE,	Peat & Co. Ianie.
		LEA	VE SALAF	RY FUND			
		BALANCE SI	SEET AS AT	Slot Marc	н 1969		
1867-68 Rs. P.	Fund and Liabilities	Ra. P.	1967-68 Rs. P.	Pro	perty and Assets	Rs. P.	Ra. P.
3,356.69	1. Fund :	_		I. Fund	l:		
_	2. Amount due to the Institute on lean account as per Sche- dule IX to the Insti- tute's Balance Shoet	55,00 0.00		Leav the y	e setary paid during ser	55,717.92	
			_		: Pund- per last account	3,358.69	52,361 . 23
				2. Curn	nt Assets:		
			3,368.80		ant due from the Insti- on loan secount		_
				Cash	in hand:		
			_		or Schodule VI to the late's Balance Short		2,638.77
3,350.69		80 000,88	2,356.60				55,000,00
bein	m of R v. 1.74,000% (exch g liability in respect of k e necounts.	uling interest neers	ed for the y	rar ended 169 estima	31st March 1969, which tod by the Institute, bo	has not been a not been pr	necertained)
uira	e gerounin.	S. P. Mukherjee Chief Accounts Of			P. Ray Joint Secretary		
Calcutta, 5th Decem	her 100A.		This	is the Bal		n our report o atenuouse. T hartered Teco	PRAT & CO.

GRATUITY FUND

BALANOR SHEET AS AT SIST MARCH 1989

1987-68 Property and Assets

1967-68 Fund and Liabilities

Ra. P.		Rs. F	٠.	Rs.	P.	Ra,	Р.	Ha, P		Rs. P.
	Fund:								Current Amete:	
	As per last account		27,5	12,689	. 88				Amount due from	
	Add:								Loan	
	i) Employer's contri-							27,52,689.5	8 Account	25,32,000.00
	bution for the year: From the Institute								Balanco with Bank	
	(including Re. 270.4)	8							forming part of In-	
	in respect of ent-								tituto's Bank	
	players of EDPCU) [Note below] 3	.21.67u.:	28						Account as shown in Scheduk VII to	
									the Institute's	
	ii) Amount credited by								Halanco Sheet	5,18,000.00
	the institute on account of interest								Cash in hand :	
	for utilising money								As por Schodule V	
	of the fund	5,000.	DO 3,2	26,571	. 23				to the Institute's	
	-		20.2	9,250	ж0				Balance Sheet	1,835.72
	Less : Paid during the		50,1	D,100						
	year (excluding									
	Rs. 11,116.07 payabi to a member which	lo								
	will be adjusted nex	t								
	year against an amou									
27,52,689.58	due from him)		- 2	27,424	- 14	30,51,83	5.72		_	
27,52,889.58						30,51,83	6.72	27,52,689.	58	30,61,835.72
	C	hiel Acc	ounts	Office		This is the	Bala		ferred to in our repo	
Caloutta, 9th Decembe	- 1969							P	RICE WATERBOUSE, Chartered Accou	
Jen Datamia	1505	DEVELOPMENT FUND I								
		Вл	LANOE	9нен	T AS	AT SIST	Mano	on 1000		
1967-68	Fund and Liabilitie	Na .				198	7-69	Propo	rty and Assets	
Rs. P.			Ra.	P.		Re	. Р		•	Ra. P.
	Pund:							Current .	Assets :	
1,19,521.94	As per last account		1,19,52	1.94					due from the Insti-	
	-					1,19,	521.9		oan Account as por	
								Schedule Balance	LX to the Institute's	1.19.000.00
								Digitalipo	Olloos	
								Cash in l		
						_	-		Schedule VI to the	521.9
						_		_	a Digitalice Office	
1,19,521.94			1,19,61	51.94		1,10,	521.9	4		1,19,521.9
		8. P. N	fukher	ion				P. R	av.	
	•	Chief Ao			Pr				enretary	
					1	Phie is the	Bals	wo Sheet m	forred to in our repo	irt of even da
Calcutta, 0th Decembe	- 1000								PRICE WATERBOOK	
n≗u raccaway	r tood.								Chartered .	rccountants

DEVELOPMENT FUND II

BALANCE SERET AS AT 31ST MARCE 1989

1967-88 Ra. P.	Pund and Liabilities	Re.	P.	Ra.	P.	1967-68 Rs. P.	Pr	operty and Assets	Ra. P.	Ra. P.
	Fund:						1.	Fixed Ameta :		
	As per last account	11,24,17	1.89			6,10,701.86		As per schodule annexed		5,92,789.70
	Leu:						2.	O.Y.T. Tolophone:		
	Excess of expendi-							As per last account Less: Depreciation	7,228.75	
11,24,171.39	for the year as per Income and Expen diture Account	. 25,34	45.85	10,98,8	325.54	7,228.76	•	@ 5%	361.44	6,867.31
				•			3.	Investment in Government securities- at cost Rs. 50,000/-3% First Development Loan 1970- 75 (Market value Rs. 40,025/-)		
						45,533.75		As per last account		45,533.75
							4.	Current Assets:		
						1,61,711.39		l Stock of building materials—at cost		96,233.72
						2,98,995.64	.:	2 Amount due from the Institute on loan account as per Schedule IX to the Institute's Balance Sheet		3,55,000.00
							.1	Cash in hand:		
						~		As per schedule VI to the Institute's Balance Sheet		2,401.06
11,24,171.39			1	0,98,825	5.54	11,24,171.39				10,98,826.64

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

P. Ray Joint Secretary

Calcutta, 9th December, 1969. PRIOR WATERHOUSE, PEAT & Co.

Chartered Accountable

8. P. Mukherjoe Chief Accounts Officer

DEVELOPMENT FUND II

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED \$167 MARCH 1969

1967-68 Ra. P.	Expenditure	Ra. P.	1967-68 Ra. P.	Income	Ra. P.
	To Depreciation:				
19,586.94	On fixed assets	17,912.16	18,874.88	By Rent	12,128.77
	Amount written off:			., Interest on investment	
380.46	O.Y.T, telephone advance	361.44	1,496.00	(Less : Bank charges— Ra. 4.00)	1,498.00
_	Loss on sale of old and damag- ed stocks of Iron and Steel	20,697.02		Excess of Expenditure over Income transferred to Fund Account	25,345.85
603.48	Excess of Income over Expendi-	_			

20,370.88 38,970.62 20,370.88 38,070.62

S. P. Mukherjee Chief Accounts Officer P. Ray Joint Secretary

Calcutta, 9th December, 1969.

PRICE WATERROUSE, PEAT & Co. Charlered Accountance.

DEVELOPMENT FUND II

SCHEDULE OF FIXED ASSETS AS ON SIST MARCE 1989

particulars		Written down	dspreciation	for the year	Written down	
	partiouses	31st March 1968	rate	amount	31st March 1986	
	(1)	(2)	(3.0)	(3.1)	(4)	
1.	LAND:					
.1	Bidyayatan Sarani, Baranagar	80,000.00			50,000.00	
.2	169 Gopal Lai Tagore Road, Baranagar	1,03,555.00			1,03,855.00	
.3	Rose Ville, Giridih	1,07,502.72			1.07.602.72	
.4	Biraja Kutir, Giridih	7,445.19			7,445.19	
.5	Takdah Planters' Club, Darjeeling	25,996.50			25,096.50	
	Sub-total—(1):	2,94,799.41			2,94,799.41	
2.	BUILDINGS:					
ı,	169 Gopal Lei Tagore Road, Baranagar	22,908.49	2.5%	572.71	22,335.78	
.2	Rose Villa, Giridih	98,333.65		2,408.34	93,925.21	
.3	Health Home, Giridib*	12,754.24	*	318.86	12,435.38	
	Sub-total—(2):	1,81,996.28		3,299.91	1,28,696.37	
١.	SHEDS AND STRUCTURES:					
.1	Students' Hostol etc. at 206 Barrackpore Trunk Rossi, Baranagar	1,1 3,93 6.8u	7.5%	8,545.19	1.05,390.70	
.2	169 Gopal Lai Tagore Road, Baranagar	51,519.68	**	3,863.97	47,655.01	
.3	Post Office at 204 Barrackpore Trunk Road	541.75		40.63	501.19	
.4	Bidyayatan Sarani, Baranagar	1,408.54		105.64	1,302.90	
٥.	Petty construction at Giridih	6,528.82		489.66	6,039.10	
_	Sub-total(3):	1,73.934.58		13,045.09	1,60,889.46	
L	INTERNAL TELEPHONE SYSTEM	4,271.61	10%	427.16	3,844.46	
i.	MOTOR CARS	5,699.98	20%	1.140.00	4,559.9	
	Total—(1-5):	6,10,701.88		17,912.16	5,92,789.70	

^{*} Situated on land, acquired as gift, the value of which has been ignored for the purposes of hose accounts.

S. P. Mukherjee Chief Accounts Officer P. Ray Joint Secretary

SUPERVISION FEE FUND

BALANCE SHEET AS AT 31ST MARCH 1969

1967-08 Rs. P.	Fund and Liabilitie	Ra.	P.	1967-68 Ra. P.	Proporty and Assets	Ra. P.	Ra. P.
	Fund:				Fixed Assets :		
2,14,304.87	As per last account	2,16,304	. 87		Land:		
	Liabilities:				At Caloutta-203 Barrackpore Trunk Road (a)	97,556.95	
	Amount due to ISI Small Scale Indus- tries Experimental			1,12,218.11	At Ciridih—Farmland (b)	14,661.16	1,12,218.11
4,578.85	Unit	0/411	.28		Current Assets:		
				1,08,86ล์.ชเ	Amount due from the Institute on Loan Account as per Schodule IX to the Institute's Balance Sheet		1,13,000.00
					Coels in hand:		
				_	As per Schedule VI to the Insti- tute's Balance Sheet		408.04

2,20,883.72 2.25,716.15 2.20.883.72 2.25.718.15

NOTES: (a) Value of the building on this land is shown in the Fixed Assets Schedule attached to the Institute's Balance Sheet [Herns B.1.] and C.1. and Note (d) of Schedule I].

(b) Land at Urichile Form Land Exchale R.5. 6.41.4.3 paid out of General Fund and included in the accounts of the Institute (Horn A2.1 and note (a) of the Schedule I).

8. P. Mukherjee Chief Accounts Officer

P. Ray Joint Secondary

This is the Balance Sheet referred to in our report of evan date.

Calcutta, 9th December, 1989.

PRICE WATERHOUSE, PEAT & Co. Chartered Accountants

ELECTRONIC DATA PROCESSING AND COMPUTATION UNIT

BALANCE SHEET AS AT 31ST MARCE 1969

1967-68 Ra. P.	Fund and Liabilities	Ra. P. Ra. P.	1967-68 Re. P.	Property and Assets	Ra. P.	Ra. P.
	1. Fund:		1	. Fixed Assets:		
	As per last account 12,	76,652.69		.1 Magnetio tape : Written down value as per last account	24,122.00	
	Add: Excess of income over expenditure for the year as per Income and Expenditure		24,122.00	Less: depreciation written off during the year	16,078.00	8,046.00
12,76,652.69	Account	14,777.49 12,91,430.18				
	2. Liabilities:			.2 Furniture and littings Written down value		
62,862.83	Sundry areditors	3,754.06		as per last account	1,467.10	
			1,467.10	Less: depreciation written off during the year	148.71	1,320.39
				.3 Electrical equipment Written down value as per last account	: 1,377.00	
				Less: depreciation written off during the year	137.70	
					1239.30	
			1,877.00	Additions during the	2,871.20	4,110.50
				2. Current Assols:		13,479.09
			1.12.299.00	.1 Sundry debtors .	. 1,15,361.60	
			,,,,,	.2 Amount due from th Institute on loan	he	
			12,00,250.42		11,65,000.00	
			_	.3 Cash in hand: As per Schedule VI to the Institute's Balance Sheet	1,345.75	12,81,707.36
13,39,515.52		12,95,184.24	13,39,515.52			12,95,184.24
		8. P. Mukherjeo Chief Accounts Officer		P. Ray Joint Secretary		

We have examined the above Balance Sheet of the Indian Statistical Institute Electronic Data Processing and Cumputation Unit as at 31st March 1060 and the annexed Income and Expenditure Account for the year ended that date with the books and records maintained by the Institute and produced to us and the information and explanations given and have found them to be in scoordance thereovitis.

Calcutta, 9th December, 1989. PRIOR WATERBOUSE, PEAT & Co.
Chartered Accountants

ELECTRONIC DATA PROCESSING AND COMPUTATION UNIT

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 3187 MARCH 1969

1967-68 Rs. P.	E	xpenditure	Re.	P.	Ra.	P.	1967-58 Ra. P.			Income Rs. P.	Ra. P
70.606.26		salary and other remune- ration			30,664	en.		١.	Ву	Service charges billed to:	
,									۱.,	The Institute for :	
	ž	Machine Tabu- lation expenses:								Training 1,77,882.72	
										Research work . 4.44,811.78	
8,68,935.72	.l ,.	Hire and main- tenance 8,1	2,588	.90					c)	Accounts and other works 1,29,300.00	
		Cards, rent,								7,51,794.50	
	.2 .,	electricity. stores, statio-					9,03,205.40	.:	2	The outside parties 1,93,199.75	9,44,994.26
73,106.63		nary and other charges	6,838	.42	3,79,407	. 32		2.	••	Amount billed to Government of	
	3. "	Depreciation					5,99,750.00			India for tabula- tion work	
		on Fixed Assets:					900.00	3.	**	Training fee etc.	2,215.00
		Magnetic tape 1	5,076	.00				4.	**	Refund of impor-	
		Furniture and fluings	146.	.71			2,13,994.78			tation charges paid in a previous year	_
18,392.01		Electrical equipment	137	.70	16,360	.41					
1,30,900.00		Importation charges written off			_	_					
		Excess of in- come over ex- penditure trans- ferred to Pund									
5,57,909.5h		Account			14,777	.49					

 17,17,850.18
 9,47,209.26
 17,17,860.18
 9,47,209.25

S. P. Mukherjee P. Ray Chief Accounts Officer Joint Secretary

Calcutta.

PRICE WAYERHOUNE, PEAT & Co.
Sih Decomber, 1969.

Chartered Accountants

HONEYWELL H-400 COMPUTER UNIT

BALANCE SERRY AS AT 31ST MARCH 1969

1987-68 Rs. P.	Fund and Liabilities	Ra.	P.	1967-68 Rs. P.		Property and Assets	Ra.	P.	Ra.	P.
	Loan from Govern- ment of India :					Expenditure incurred for :				
16,00.000.00	As per last account	16,00,000	.00		.1	Custom duty and impor- tation charges on Honey- well Computer	6,74,552	83		
1,045.07	Liabilities	34,965	.14		.2	Insurance charges on above	48,601	.17	7,21,15	4.60
					.3	Cost of motor alternator	27,297	.94		
					.4	Custom duty and impor- tation charges on above	2,048	. 82		
					,ñ	Insurance charges on above	373	. 63	29,7	20.39
					.6	Air-conditioning			1,03,4	88.31
					.7	Electrical installation			52,5	97.18
					.8	Construction of floor etc.			35,8	25.94
					2.1	Advance for electrical installation	20,044	6.00		
				52,384.00	.2	Advance for custom duty	48,60	5.40	68,6	49.40
					3.	Excess of expenditure over income:				
						As per last account	45,11	8.01		
				45,116.01		Less: Transforred to the Institute's Income and Expenditure Account as required by the Government	45,11	6.01	_	_
					4,	Balanco with Banka, forming part of Insti- tute's Bank Account as allown in Schedule VII				
				15,03,545.08		to the Institute's Balance Sheet			6,23.	29.32

18,01,045.07 Note: Interest payable amounting to Re. 80 000j. on the loan from Government of India for the year ended 31st March, 1969 has not been provided for in these accounts.

10,34,965.14

8. P. Mukherjee Chief Accounts Officer P. Ray Joint Secretary

We have examined the above Balance Sheet of the Indian Statistical Institute Honeywell H-400 Computer Unit as at 31st March 1989 with the books and records maintained by the Institute and produced to us and the information and explana-tions given and have found them to be in accordance therewish.

Calcutta, 9th December, 1969.

16,01,046.07

PRIOR WATERHOUSE, PEAT & Co. Chartered Accountants

16.34.965.14

INDIAN STATISTICAL INSTITUTE GENERAL PROVIDENT FUND AUDITORS' REPORT

We have audited the Belance Sheet as at 31st March 1969 of the Indian Statistical Institute General Provident Fund, signed by us under reference to this report, and the relative Income and Expenditure Account for the year ended that date with the books and records of the Fund maintained by the Institute and produced to us and the information and explanations given and, subject to the below-mentioned remarks, have found them to be in accordance therewith. The remarks referred to above are:

- We understand that a Board of Trustees as envisaged in Rule 14 read with Rule 2(1) of the Rules of the Fund has been formed subsequent to 31st March, 1999. Accordingly the investments of the Fund were held in the name of the Institute and the Bank Account of the Fund was also maintained in its name as at 31st March, 1999.
- 2. No income-tax has been deducted from the amounts paid in settlement of the members account pending recognition of the Fund by the Commissioner of Income-Tax under the Income-Tax Act, 1961. The Institute, bas, however, undertaken to meet any liability which may arise in the event of such non-recognition of the Fund.
- Certain advances were made to the Institute by the Fund which are not specifically permitted by the Provisions of the Rules of the Fund. The balance of such advances as at 31st March 1969 was, however, nil.

In the opinion of the officials of the Institute, however, Rule 12(b) inter alia permits granting of loans to the Institute. In this connection, a resolution passed at the meeting of the Council held on 25th January 1961, authorising two of its members to obtain advances from the Provident Fund, subject to certain conditions, has been shown to us.

- 4. As appears from Schedule VI and VII annexed to the Institute's Accounts, the amounts shown as cash balances (both in hand and at Bank) in the Balance Sheet dealt with by this report ronresent the balancing figures.
- 5. Membership subscriptions were neither deposited to the Fund's Bank Account nor invested in the manner required by the Rule 12 of the Fund within the year.
- The balance of undistributed income as at 31st March 1969 amounting to Ra. 9.23,902.59 has been made up as follows:
 - a) Brosss of income over expenditure for the year ended 31st March, 1969, which has not been allocated to the Members Accounts as required by Rule 13 of the Fund. (According to the minute dated 22nd August 1969 of the Council of Indian Statistical Institute, the allocation to the members' accounts will be made when the appropriate rate of interest is ascertained from the audited accounts for the year 1968-96.

Ra. 6.43.710.41

b) Amount of undistributed income as at 31st March 1968 together with the forfeitures upto 31st March 1969, which includes Employer's Contributions and interest thereon ferfeited under Rule 25 and available for disposal of the Trustees as provided for in Rule 27, the extent of which has not been ascertained.

Ra. 3,80,192.18

a. 9,23,902.59

 Under the provisions of Rule 11 of the Fund, interest/income should be included in the accounts as and when received. These accounts, however, include interest accrued and due in case of Government Promissory Notes and in all other cases interest accrued whether due or not.

Calcutta, 9th December 1969 PRICE WATERHOUSE, PRAT & Co.

Chartered Accountants

INDIAN STATISTICAL DISTITUTE

BALANCE SEEST

1967-68 Ra. P.	Fund and Liabilities			Ra, P.	Ra. P.	Re. P.
	Mambers' own subscription: As per last account				40,78,025.23 8,35,950.48	
40,78,025,23	Less : refunded during the year				46,13,078.71 1,09,186.16	45,04,780.45
40,70,020.23	• ,		•		1,09,180.10	40,04,768.88
	Employer's contribution: As per last account .idd: iluring the year (including	 Ra. 450.80	 in		40,78,025.23	
	respect of employees of EDPO	CU)			5,35,950.48	
	Less . (i) refunded during the year			98.690.44	45,13,075.71	
40,78,025.23	(ii) amount forfeited			10,489.72	1,09,188.16	46,04,789.55
	Members' voluntary subscription :				1.55.184.49	
	Add : during the year		::		34,862.43	
1,85,184.49	Less : refunded during the year				1,90.046.92 15,101.97	1,74,944.95
	Interest payable :					
	On members' own subscription : As per last account				11.00.319.51	
	Add : during the year		::		2,813.53	
11,00,319.51	Less : paid during the year				11,03,133.04 28,842.71	10,74,290.33
	b) On Employer's contribution : As per last account				9,95,264.34	
	Add : during the year	••	••		2,699.90	
9.06.264.34	Lass: (i) paid during the year (ii) amount forfeited			25,245.96 851.68	9,98,984 . 24 28,097 . 04	
3,00204.54			••			9.72,888.60
	 a) On members' voluntary subscript As per last account 	Hon:			34.839.29	
34,839.29	Less : paid during the year				2,225.61	32,613.68
	Undistributed income including amount			3,68,862.28		
	Add: (i) amount forfeited during suljustment of Rs. 11.50)			11,329.90	3,80,192.18	
3,68,662.28	(ii) excess of incomes over a the year	xpenditure 	for		5,43,710.41	9,23,902,59
1,42,433.41	Arrear dearness allowance including in to workers	terest pays	ble			_
1,09,53,953.78						1,21,88,197.25

^{*}An amount of Rs. 12,50,000.00 has since been invested in 51% Loan of 1999 on 3rd April 1969.

Note: Morebers' own subscription and employer's contribution include balances due to employees who have reased their employment with the Institute but their accounts have not been settled within Sist March, 1969.

Calcutta, 8. P. Mukherjee P. Ray
9th December, 1989. Ohief Accounts Officer Joint Scoretary

GENERAL PROVIDENT FUND

AS AT \$1st MARON 1989

1,09,63,953.78

1967-68 Rs. P.	Property and Assets	Ra. P.	Ra. P.	Ra. P.
	Investments at cost: a) Government Promissory Notes: Rs. 18.05.009/. 3% convension loan 1946-88. Rs. 13.05.009/. 3% lat Development loan 1970-78. Rs. 13.00.000/. 41% loan 1985	13,00,769.60 11,45,154.69 13,00,000.00	37,45,924.29	
	Ra. 44,70,000/- (market value Ra. 36,87,785.00) b) Re. 50,000/- 12 year National Plan Saving Certificates		50,000.00	
75,95,924.29	c) Fixed Deposits with State Bank of India, Shambazar		55,25,000.00	93,20,924.29
11,92,258.00	Loans to members (including non-repayable loans under Rule 21(o))			11,71,623.50
_	Relief Loan to members			20,316.32
1,51,615.25	Current Assota: Interest accrued: a) On Government Promissory Notes (excluding interest accrued but not due)	1,49,438.50		
16,500.00	b) On 12 year National Plan Savings Certificates	20,000.00		
99,790.88	o) On fixed deposit with State Bank of India, Shambazar	1,42,698.92	3,12,137.42	
8,774.70	Income tax recoverable			
2,25,000.00	Amount due from the Institute : On Loan Account		_	
3,629.39	Cash balance: In custody of the Institute (as shown in Schedule VI to the Institute's Balance Sheet)		20,168.96	
	With Banks on Current Accounts : (i) with State Bank of India, Strand Road	12,68,027.76*		
16,60,461,27	(iii) with Banks (forming part of Lastitute's Bank Accounts as shown in Schedule VII to the Lastitude's Balance Sheet) for payment of lean, estilament of dose etc.	78,000.00	13,43,027.76	16,75,334.14

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

PRIOR WATERBOUSH, PRAT & Co.

Okariered Accountance

1,21,88,197.25

INDIAN STATISTICAL INSTITUTE GENERAL PROVIDENT FUND

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 3187 MARCH 1969

1967-68 Ra. P.	Expenditure	Ra. P.	1987-88 Re. P.	Income	Ra. P.			
	To Interest on :		By Interest on :					
	(i) Own subscription-		1,63,282.25	(i) G.P. Notes (not of Bank charges Rs. 316.95)	1,53,283.05			
2,32,677.09	Membors'	_		(ii) 12 Year National Plan Sav-				
2,858.34	Ceased members'	2,813.53	_	ings Certificates	3,500.00			
	[Note (1) below]		2,04,181.29	(iii) Fixed Deposit with the Bank	2,88,721.71			
	(ii) Employer's contribution—			(iv) Overriding interest for utilis- ing O P Notes by the Insti-				
2,15,569.04	Members'	_	4,910.04	tute in previous year	-			
2,764.18	Coased members'	2,699.90	43,750.00	(v) From Institute on loans etc.	24,906.24			
8,490.47	[note (1) below] (iii) Members' voluntary subscription	_	93,744.70	(vi) Realised on loan given to the members	78,512.84			
	Adjustment of interest on 12 Year National Plan Savinga Certificates taken in excess in							
4,068.22	previous years	_						
33,440.94	Excess of income over expenditure	5,43,710.41						

4,99,868.28 5,49,223.84 4,99,888.28 5,49,223.84

Notes: 1. Interest has been paid provisionally @ 5% to the members who have ceased their employment with the Institute during the year.

2. Previous year's figures have been re-arranged, where necessary.

Calcutts, 8. P. Mukharjee P. Ray

9th December 1989, Chief Accounts Officer, Joint Secretary

PRICE WATERROUSE, PEAT & Co.
Chartered Accountants

1. Shri K. P. S. Menon, Chairman (ex-officio); 2. Professor P. C. Mahalanobis. Honorary Secretary (ex-officio); 3. Dr. C. R. Rao, Director, Research and Training School (ex-officio); 4. Dr. B. B. Ghosh, Acting Editor, Capital (Associated Chambers of Commerce of India); 5. Dr. S. N. Sen, M.A., Ph.D., Vice-Chancellor, Calentta University (Indian Economics Association): 6. Shri G. K. Bhagat, Bengal Potteries Ltd. (Federation of Indian Chambers of Commerce and Industry); 7. Director (Dr. Uttam Chand), Central Statistical Organimition (Government of India); 8. Joint Secretary (Shri A. P. V. Krishnan). Ministry of Finance (Financial Adviser to the Department of Statistics), (Occarment of India); 9. Professor S. S. Srikhande, F.N.I., Head of the Department of Mathematics, University of Bombay. (National Institute of Sciences of India); 10. Shri V. V. Divatia. Advisor, Department of Statistics, Reserve Bank of India (Reserve Bank of India); 11. Dr. C. S. Patel, M.Sc., Ph.D. (Leeds), Vice-Chancellor, M. S. University of Baroda (Inter University Board of India & Ceylon); and 12. Dr. Bhabatosh Dutta, M. A., Ph.D.; 13. Dr. B. R. Seshachar, D.So., F.N.I.; 14. Shri Jagjit Singh, M.A., F.R.S.S., General Manager, South Eastern Railway; 15. Dr. B. P. Adhikari, M.Sc. (Cal.), Dr.es.Sc. (Paris); 16. Shri Partha Ray; 17. Shri S. Basu, M.Sc., F.N.I.; 18. Shri Pitambar Pant, M.Sc., Member, Planning Commission, Government of India (Council of the Indian Statistical Institute).

LIST OF MEMBERS OF DIFFERENT COMMITTEES: 1968-69

Finance Committee of the Council

1. Chairman of the Institute (ex-officie) or his nomines; 2. Secretary of the Institute (ex-officie) or his nomines; 3. Director of the Research and Training School (ex-officie) or his nomines; 4. Dr. B. P. Adhikari; 5. Dr. B. P. Banerjee; 6. Dr. Bhabatosh Dutta; 7. Shri S. Dutt; 8. Dr. B. S. Minhas; 9. Shri S. C. Roy; 10. Shri P. Ray (Member-Secretary) or in his absence, a person nominated by the Secretary or the Chairman; 11. & 12. Two representatives nominated by the Government of India—Cabinet Secretary (Shri B. Sivaraman) or his representative and Joint Secretary, Ministry of Finance (Shri A. P. V. Krishnan).

Finance Committee of the Governing Body

1. Chairman of the Institute (ex-officio) or a Vice-Chairman, authorised by him;
2. Secretary of the Institute (ex-officio) or in his absence, a Joint Secretary;
3. Director,
Research and Training School (ex-officio) or a Joint Director, if any, in charge of Research and Training School;
4. & 5. Two representatives of the Government of India (Dr. Uttam Chand and Shri A. P. V. Krishnan);
6. Representative of the Reserve Bank of India on the Governing Body (Shri V. V. Divatia);
7 & 8. Two representatives to be elected by the Governing Body from amongst themselves—Dr. B. R. Seshachar and Dr. B. P. Adhikari.

Journal Committee of the Institute

Professor S. N. Bose, F.R.S., National Professor and President of the Institute;
 Shri D. B. Lahiri;
 Dr. B. S. Minhas;
 Dr. Sujit Kumar Mitra;
 Dr. Jogabrata Roy;
 Dr. Amartya Sen;
 & B. Editors of Sankhyā (ex-officio);
 Q. One representative of the Governing Body of the Research and Training School—Dr. S. S. Srikhande;
 10. One member to be nominated by the Secretary of the Institute in consultation with the Director of the Research and Training School;
 11. Dr. S. W. Dharmadhikari, Editorial Secretary,
 12. Shri A. Mahalandsis, Secretary.

Examinations Committee of the Institute

1. Dr. B. P. Adhikari, Research and Training School; 2. Shri Debabrata Baan, F.I.A., Assistant. Manager (E.D.P.), Li.C., Caloutta Division; 3. Dr. P. K. Bose, Pro Vice-Chancellor, Calcutta University; 4. Shri N. C. Chakravarti; 5. Dr. A. C. Das, State Statistical Burean, Weet Bengal; 6. Dr. Miss) A. George, Professor of Statistics, University of Kerala; 7. Dr. V. S. Huzurbazar, Professor of Mathematics and Statistics, Poona University; 8. Professor V. B. Kamath, Personnel Manager for Training & Development, West Coast Paper Mills Ltd., Dundeli (N.K.); 9. Shri D. B. Lahiri; 10. Dr. B. S. Minha; 11. Dr. S. K. Mitra; 12. Shri M. Mukherjoe; 13. Dr. M. N. Murthy; 14. Professor P. N. Phutane; 16. Dr. B. Ramachandran; 16 & 17. Two representatives of the Governing Body of the Research and Training School (Dr. Nirmal Chakravarti, C.S.O., and Shri S. Raja Rao); 18. Dr. Jogabrata Roy; 19. Shri J. M. Seogupta; 20 Dr. G. R. Seth, I.A.R.S., I.C.A.R.; 21. Shri S. Seogupta, Member-Secretary.

BOMBAY BRANCH: 1968-69

Honorary President: Shri S. K. Wankhede

Honorary Vice-Presidents: 1. Dr. C. Nanjundayya, 2. Shri R. G. Saraiya, 3. Dr. N. S. R. Sastry; 4. Professor C. N. Vakil.

Honorary Secretary: Shri P. K. Bhowmick,

Honorary Joint Secretary: Professor P. N. Phutane

Honorary Treasurer: Dr. M. N. Vartak

Members of the Council: 1. Shri S. V. Barkar, 2. Shri U. O. Dabholkar, 3. Dr. R. L. N. Iyengar, 4. Professor V. B. Kamath, 5. Shri S. L. Pillay, 6. Shri B. K. Raja Rao; 7. Dr. P. M. Visaria.

MYSORE STATE BRANCH: 1968-69

President: Shri K. G. Katwey
Vice-President: Shri C. S. Seshadri.
Secretary: Professor Srinagabhusana.
Joint Secretary: Shri C. A. Setty

Treasurer: Shri P. S. Naravana

Executive Committee Members: 1. Professor M. Narayana Iyengar, 2. Shri S. K. Iyengar, 3. Shri V. Narayana, 4. Shri H. C. Ramanna, 5. Shri H. S. Narayana Rao, 6. Shri V. G. Tikekar,

KERALA BRANCH: 1968-69 Management Committee

Chairman: Professor Samuel Mathai, Vice-Chancellor, University of Kerala.

Secretary and Treasurer: Dr. (Miss) A. George, Professor of Statistics, University of Kersla.

Members: 1. Dr. R. Krishna Pillai, 2. Shri P. S. Janardhan Nayar, 3. Shri J. Rajasekharan Nair.