

ANNUAL REPORT
of the
NATIONAL SCIENCE COUNCIL OF SRI LANKA
for the
FINANCIAL YEAR 1976

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National Science Council of
Sri Lanka,
47/5, Maitland Place,
Colombo 7.
1st June 1978

The Minister of Industries &
Scientific Affairs,
The Ministry of Industries &
Scientific Affairs,
48, Sri Jinaratana Road,
Colombo 2.

Dear Sir,

Annual Report of the National Science Council of Sri Lanka
for the period 1st January 1976 to 31st December 1976

In terms of Section 25 of the National Science Council of Sri Lanka
Law No. 36 of 1975, I have the honour to submit the Annual Report
of the National Science Council of Sri Lanka for the period
1st January to 31st December 1976 together with

- (a) A copy of the audited Income & Expenditure Account
- (b) A copy of the audited Balance Sheet
- (c) Auditor General's Report.

Yours faithfully,

(Prof. E.O.E. Pereira)

Chairman

NATIONAL SCIENCE COUNCIL OF SRI LANKA

REPORT OF THE NATIONAL SCIENCE COUNCIL OF SRI LANKA
COVERING THE PERIOD 1ST JANUARY 1976 TO 31ST DECEMBER 1976

I. MEMBERS OF THE NATIONAL SCIENCE COUNCIL

- Dr. O.W. Jayaratne (Chairman)
Prof. K.N. Seneviratne (Vice-Chairman)
Dr. G.C.N. Jayasuriya (Secretary-General)
Prof. B.A. Abeywickrema
Mr. L.A.C. Alles
Prof. R.R. Appadurai
Dr. R.Ç. de Silva
Mr. R.G. Gomez (resigned May 1976)
Mr. Ajit Gunatilleke
Mr. A.S. Jayawardena
Dr. R. Mahalingasivam
Mr. P.H. Perera
Mr. V.J. Rajanandan (appointed May 1976)
Dr. R.O.B. Wijesekera

II. STAFF

SECRETARY-GENERAL

G.C.N. Jayasuriya B.Sc. (Cey.), Ph.D. (Sheffield),
C. Chem., F.R.I.C., F.I. Chem.C.

R.O.B. Wijesekera (Acting) B.Sc. (Cey.), Ph.D. (Sheffield),
C. Chem., F.R.I.C., F.I. Chem.C.
(from Jan. -- July 1976)

SCIENTIFIC OFFICERS

Mrs. Marina B. Wijesekera B.Sc. (Cey.), M.Sc. (Manchester)

Mrs. Glodah M. Fernando B.Sc. (Cey.), (Resigned, June 1976)

Mrs. Ponmani Goonewardena B.Sc. (Cey.), Ph.D. (Aberdeen)
(resigned, May 1976)

Mrs. Swarna P. Prelis B.Sc. (Cey.)

Mrs. Nimala R. Amarasuriya B.Sc. (Cey.)

Miss Eleanor P. Juriansz B.Sc. (Cey.) (appointed, May 1976)

K.S.S. Liyanage B.Sc. (Cey.) (appointed, July 1976)

N. Anbalagan B.Sc. (Cey.) (appointed, July 1976)

T.C. Wijesinghe B.Sc. (Cey.) (appointed, July 1976)

ADMINISTRATIVE SECRETARY

J.C.P. Jayasinghe B.Com. (Cey.)

STAFF ASSISTANT

C. Wijeyawickrema B.A. (Cey.), LL.B. (Cey.)

ACCOUNTANT

M.F. Hathy

LIBRARIAN/PUBLICATIONS OFFICER

Mrs. I. Unamboowe (Acting) B.A. (Cey.), A.L.A. (from Jan. 1976)

DOCUMENTATION OFFICERS

Miss M.A.H. Perera B.A. (Cey.) (appointed, December 1976)

Mrs. N.P. Wanasundera (appointed, December 1976)

THE COUNCIL

The term of office of the members of the new National Science of Sri Lanka commenced on 1st January 1976, the date on which the National Science Council of Sri Lanka Law No. 36 of 1975 came into operation. Dr. R. Mahalingasivam was appointed as a member of the Council on 22nd January 1976 and Mr. V.J. Rajanandan was appointed a member on 25th May 1976 in place of Mr. R.G. Gomez who resigned.

Five meetings of the Council were held during 1976.

III ACTIVITIES OF THE COUNCIL

LEGISLATION - NEW LAW

The National Science Council of Ceylon Act No. 9 of 1968 (as amended by Act No. 44 of 1968) which created the National Science Council was replaced by the National Science Council of Sri Lanka Law No. 36 of 1975.

Seven members appointed by the Minister and the six ex-officio members constitutes the new Council and in the performance of its duties the Council is assisted by Working Committees appointed by the Minister under Section 19 of the National Science Council of Sri Lanka Law No. 36 of 1975.

There are six such Statutory Working Committees in office covering the fields of Science Policy Research, Science Education Research, Science and Technical Information, Research Grants, Environment and Social Science Research (Annexe I).

RESEARCH GRANTS AND SCHOLARSHIPS BOARD

The Research Grants and Scholarships Board continued to administer the Scheme of Research Grants initiated by the Council in 1969/70 in order to encourage and assist R & D activities in the island. (Annexe II)

During the past six years, over two hundred and forty Research Projects were undertaken by individuals and other institutions with the funds provided by the Council amounting to over Rs. 3 million. The Council has now become the chief funding agency for research activities in the University Campuses and during this period, fifteen post-graduate Degrees have been awarded to the research grantees of the National Science Council. Grants are provided for research in Agricultural, Biological, Chemical, Engineering, Medical, Physical, Social Sciences and Environmental Sciences. Allocation of funds by the Council since 1970, on the basis of the Ministries in which the research grantees serve, is showing in Annexe III.

In view of the increasingly important role played by the Research Grants and Scholarships Board in the implementation of the Scheme of Research Grants, the Council recommended the creation of a Statutory Working Committee on Research Grants which now gives the body administering the subject a statutory status within the framework of the Council.

The Research Grants Board has appointed Specialist Panels on different subject areas to assist it in the evaluation of the Research Grants applications in the respective fields. A comprehensive analysis of the research activities done during the past six years is given below:

Year	Total No.	Terminated	Completed	Continuing	No. of Post gradu. degrees	No. completed
1969/70	27	4	11	12	Regd. 7	Comp. 1 (Ph.D.) Comp. 6 (M.Sc.)
1970/71	29	13	9	7	Regd. 9 (Left) 4	Comp. 1 (Ph.D.) Comp. 4 (M.Sc.)
1972	39	6	8	25	Regd. 9 (Left) 3	Comp. 2 (M.Sc.) Comp. 1 (Ph.D.)
1973	20	5	4	11	Regd. M.Sc. 3	-
1974	31	8	3	20	Regd. M.Sc. 1	-
1975	48	1	1	46	Regd. M.Sc. 9 (Left 5)	-
1976	30	-	-	30	Regd. M.Sc. 4 (Left 1)	-

Research Grants for Approved Projects - 1976

Research Grants for 1976 were advertised in the Government Gazette of 6th June 1975. A total number of 116 applications were received requesting Research Grants, out of which 30 were recommended by the Research Grants Board to the Council. A list of these projects approved by the Minister of Industries and Scientific Affairs is given in Annexe IV .

Research Grants for Approved Projects - 1977

Research Grants for 1977 were advertised in the newspapers and the closing date was 31st July 1976.

A revised list of projects for which priority is given was also prepared for the information of the applicants. (ANNEXE V)

Publications of Research Grantees during the years 1975 and 1976 are shown in ANNEXE VI.

Manpower Training Programme - Plant Sciences

This programme consists of a scheme of grants for research in the field of Plant Science, was initiated in 1974 which is mainly directed towards the training of scientific manpower with emphasis on research in Basic Sciences connected with Plant Sciences.

In 1976, applications were called for by newspaper advertisement for awards of research grants under this programme and twenty six applications were received. These are now being processed by a Sub-Committee. Under this Scheme, nine research grants were awarded in 1974 and of these, six grants are still continuing. (ANNEXE VII)

Working Committee on Science Policy Research

A Working Committee on Science Policy was appointed by the Minister of Industries and Scientific Affairs on 15th May 1976 and its main task is to encourage and undertake research on Science Policy and thus to formulate a National Science Policy for Sri Lanka. With this objective in view, the Committee has arranged to take steps on the following matters:

- (i) enunciation of a National Science Policy;
- (ii) to advise the government and other bodies to overcome and prevent problems, often caused by incorrect use of science;
- (iii) to take the message of science to the people and get their involvement in the development of science;
- (iv) to study the factors responsible for the selection of grantees for fellowships and to propose alternatives;
- (v) to study the problems of instrumentation and related factors;
- (vi) to get the maximum patronage and support from the government to develop science and convince the Government that science has not been given its due place.

- (vii) to request the Government to implement resolutions drawn up by UNESCO and other committees regarding scientific personnel.

Working Committee on Science Education Research

The Working Committee on Science Education Research, appointed by the Minister of Industries and Scientific Affairs on 15th May 1976, fulfils the long-felt need for research work in science education. The Ministry of Education which took a keen interest in this sphere of work is also assisting the Committee by contributing to the working fund. The activities of the Committee is administered by a Director who attends to the work on a part-time basis. The committee has initiated a research programme as a co-operative venture between the Council and the Ministry of Education and accordingly, applications have been called for grants for research on Science Education. The Committee has prepared a list of areas for which priority is given. (Annexe VIII)

Working Committees on Science and Technical Information, Environment and Social Science Research

The Working Committees on Science and Technical Information, Environment and on Social Science Research have been appointed by the Minister of Industries and Scientific Affairs towards the end of the year and they have just started the preparation of suitable work programmes in the respective fields.

National Committees

The Council co-ordinated the working of the following committees:

1. National Committee for UNISIST

The National Science Council has been designated as national focal point for the co-ordination of Scientific and Technical Information activities. The UNISIST National Committee was constituted under the aegis of the National Science Council.

The UNISIST National Committee met several times during the year, to determine the steps to be taken to strengthen the information sources. At the last meeting, the recommendations of the meeting of the UNISIST Committee of experts held in Colombo in December 1974 and in New Delhi in March 1976 were accepted. A representative was appointed to serve on the special working group.

As follow-up action of the decisions reached at these meetings, the library completed a Survey of Computer Facilities in Sri Lanka, and also initiated work in relation to the National Committee.

2. The National Committee on Man and the Biosphere

The National Committee on the Man and the Biosphere Programme started in 1971. Subsequently, with the growth of its activities, five Sub-committees were also appointed to assist the committee on different aspects of the Programme. The Sub-committees are on Forestry and Forest Ecology, Environmental Pollution and Pollution Control, Education and Training in Environmental Studies, Grassland Ecosystems and on the Impact of Human Activities on Natural Ecosystems.

The activities of the MAB Project suffered due to the scarcity of funds and the inability to obtain transport facilities for necessary field work. However, work has already been carried out on the following projects:

- (i) Demarcation of biosphere reserves in various parts of the island and the classification of these areas as strict reserves.
- (ii) Pollution of water in the city of Colombo, especially in the Kelani River.
- (iii) Preparation of background literature for a proposed course at Degree level on Environmental Studies.

- (iv) Preparation of a check list of Flora and Fauna in the island.
- (v) Studies on Montane Grasslands.

The activities of the MAB Project I is now supplemented by the MAB Project No. 3 which was started last year and steps were taken to obtain the services of an Ecological Systems Analyst under this Project through the UNESCO.

The MAB Committee has made arrangements to start a project on an Ecological and Agro-economic Survey of selected areas under the Mahaweli Project in early next year.

SEMINARS & CONFERENCES

(a) Seminar on Science Policy and Planning

The above seminar, organized jointly by the United States Information Service and the National Science Council was held at the American Centre, Colombo, on January 21st and 22nd, 1976. About thirty five participants representing University Campuses and other institutions attended this seminar and the Guest Speaker was Professor M. Moravcsik of the University of Oregon, USA. A report of this seminar has been published as National Science Council Seminar Report No. 1.

(b) Seminar on Man and His Environment

This Seminar was held at the Sri Lanka Foundation Institute, Colombo, on March 9th, 1976 with Dr. Hansjorg Oeltzchner of the Bavarian State Authority on Environmental Protection, Federal Republic of Germany as leading guest participant. The seminar was held in collaboration with the German Cultural Institute. About sixty representatives from the University Campuses and other related institutions participated in the Seminar. The proceedings of the seminar is published as National Science Council Seminar Report No. 2.

(c) Seminar on Sun Drying Methodology

This Seminar was held at the Agricultural Training and Research Institute, Colombo on 21st May 1976 with the co-operation of the Australian High Commission in Sri Lanka. Mr. D. McBean, Food Scientist attached to the CSIRO Australia, was the Guest Speaker. About fifty scientists attached to the Campuses and other Research Institutions took part in the seminar. The report is under preparation.

(d) 9th Meeting of the Commonwealth Science Council - Colombo - Sri Lanka - November/December 1976

The 9th meeting of the Commonwealth Science Council, hosted by the National Science Council of Sri Lanka, on behalf of the Government, was held in Colombo from November 29th to December 3rd 1976, under the Chairmanship of Dr. G.C.N. Jayasuriya, Chairman of the Commonwealth Science Council and the Secretary-General of the National Science Council of Sri Lanka. The meeting was declared open by Mr. T.B. Subasinghe, Minister, Ministry of Industries and Scientific Affairs. Thirty six delegates from seventeen countries participated in this meeting. The member countries represented were Australia, Bangladesh, Britain, Canada, Cyprus, Fiji, Guyana, India, Kenya, Malawi, Malaysia, New Zealand, Nigeria, Sri Lanka, Tanzania, Trinidad and Tobago, and Zambia.

The formal meeting concluded on 3rd December and was followed by a post-conference tour, a programme of visits to various scientific institutions in Sri Lanka such as the Tea Research Institute, Central Agricultural Research Institute, and the Ceylon Institute of Scientific and Industrial Research. This tour which was the second phase of the ninth biennial meeting ended on 10th December 1976.

The 10th meeting of the Commonwealth Science Council is to be held in Georgetown, Guyana in August/September 1978 and the new Chairman of the Commonwealth Science Council is Dr. P.A. Munroe, Secretary-General of the National Science Research Council, Guyana.

The Commonwealth Science Council noted the progress that had been made since the last meeting, and commended the Secretariat in particular for the successful workshop in Communication Techniques, the study on international organizations of special importance in relation to development of science and technology and the various efforts at strengthening the capability of Commonwealth Science Council. Noting the need to intensify its focus on practical problems, the Council approved a programme of activities for the next two year period which will give special emphasis to collaborative projects in food preservation and storage, and the preparation of scientists for research leadership. The exchange of information between member countries and the communication gap between research institutions and users are also matters to which the Council will continue to direct its attention.

The Colombo meeting organized three symposia which focussed attention on :

- (i) possible alternative energy sources for use in rural development;
- (ii) the need for science and technology to be fully integrated in plan for selecting national goals and developing national policies.
- (iii) the need for comprehensive integrated planning in developing infra-structure for rural development.

An exhibition of books, J & T Periodicals of Sri Lanka and Britain was also held at the BMICH during the conference period with the collaboration of the British Council Library.

The Council made arrangements for press supplement in Sinhala and English in the 'Dinamina' and 'Ceylon Daily News' papers on the date of the inaugural meeting of the Commonwealth Science Council and an information sheet was released to the press at the conclusion of the meeting.

(e) 3rd Asian Symposium on Medicinal Plants and Spices - Colombo -
6th to 12th February 1977

Preliminary arrangements have been made for the above symposium, which include a Workshop, a Seminar and an Exhibition. This International Seminar is organized by UNESCO, jointly with the National Science Council and the Sri Lanka Foundation Institute. It will be a follow-up to UNESCO Symposia held earlier in Peshawar, Pakistan in 1960 and in Kandy, Ceylon 1964. The Work-shop will be held in the University Laboratories at Peradeniya and the Symposium is to be held at the Sri Lanka Foundation Institute in Colombo. An Exhibition of Medicinal Plants and Spices will be organized at the Bandaranaike Memorial Ayurvedic Research Institute, Nawinna, and preliminary notices and arrangements have now been prepared for UNESCO. Prof. Finn Sandberg was in Colombo during 25th - 30th March 1976 to help in the preliminary arrangements for this seminar. Apart from the UNESCO members of the region, several other international and national organizations are expected to join this seminar.

The purpose of this symposium is to give an up-to-date picture of the research carried out in Asia on Medicinal Plants and Spices from a botanical, phytochemical, pharmacological and industrial point of view.

SPECIAL PROGRAMMES

- (1) Indo-Sri Lanka Scientific and Technological Co-operation Programme - March 1976 to February 1978

The Council was named by the Minister of Industries and Scientific Affairs as the National Co-ordinator of the above programme, entered into between the Government of Sri Lanka and the Government of India.

- (2) Workshop on Natural Products

The report of the above workshop held in June 1975 and referred to in the last year's Report, have been published by the National Academy of Sciences, U.S.A. and steps are now being taken to find out ways and means to implement the many useful recommendations made in the Report.

- (3) Sri Lanka International Chemistry Programme

A proposal to establish a Sri Lanka International Chemistry Programme (SLICHEM) was initiated at the workshop on Natural Products, held in June 1975, in Colombo, Sri Lanka, jointly sponsored by the Council and the National Academy of Sciences of the U.S.A. The SLICHEM proposal aimed at affording opportunities for high level research facilities in Sri Lanka in Chemistry by the creation of an international consortium of chemical societies of approximately twelve countries. The SLICHEM proposals which will provide research facilities with both local and international participation has been approved in principle by the Ministries of Industries and Scientific Affairs and Defence & External Affairs. The details of the programme is expected to be finalized early.

- (4) SAREC Programme

In consequence of a report submitted to the Government of Sri Lanka by a team from the Swedish Agency for Research Co-operation with Developing Countries (SAREC) discussions were held with SAREC representatives in connection with a proposal to establish a Research Fund for:

- (a) Purchase of scientific equipment.
- (b) International travel to attend scientific meetings, seminars, etc.
- (c) An Exhigencies Fund for spare parts for equipment and small quantities of consumable materials.

The proposal was accepted by the Ministry of Industries and Scientific Affairs and the final approval of the Ministry of Planning & Economic Affairs is expected to be given shortly.

(5) Proposals for the establishment of a National Institute on Food Research

At the request of the Ministry of Foreign and Internal Trade preliminary discussions were held with the relevant Ministries and other Institutions for the establishment of an institution to centralise and co-ordinate research activities on food science which is now handled by different institutions.

(6) National Scientific and Technical Information Centre

Arrangements have now been made for the establishment of a National Scientific and Technical Information Centre from the beginning of next year. The original proposals for a Centre of this nature started in 1968 and it was hoped to obtain UNDP assistance for this purpose. The Centre has been started by the Council in a small way and a project proposal for UNDP assistance is being drawn up.

(7) Guinness Awards for Scientific Achievements (GASA)

The Guinness Awards for Scientific Achievements (GASA) is a trust foundation, having its office in London. It was established recently with trustees representing the Commonwealth Foundation, Commonwealth Secretariat and the Arthur Guinness Son & Co. Ltd. The GASA Scheme is administered with the active collaboration of the Commonwealth Science Council and its national member organizations.

The awards are made in recognition of individual or institutional achievement in the application of Science and Technology in the service of the community in a developing country, such as for a demonstrated achievement with great potentialities like satisfying basic human needs of food, health, shelter and education. The awards are given also for work done, whose importance lies in its potential application by other developing countries.

The entries for these awards, made every two years for up to three achievements, are accepted only from the developing countries in the Commonwealth and the selection of up to three national entries for consideration by an international panel of the C.A.S.A., is arranged by the Commonwealth Science Council national member. The National Science Council called in for nominations for awards in 1976 from the Universities and Research Establishments, Academies of Science and similar professional bodies, qualified individuals and self-recommendations (supported by three referees).

There were seventeen applications and an evaluation panel appointed by the National Science Council finally recommended three applications. The National Science Council then submitted three country nominations for consideration for the awards in 1976.

The Council is pleased to record that Dr. R.O.B. Wijesekera, a nominee from Sri Lanka was one of three Scientists from the developing countries of the Commonwealth, honoured with a Guinness Award for his work "Research and Development in Essential Oils and Spices in Sri Lanka".

Scientists receive an award of £ 1000 and a medal and are requested to make a tour to disseminate the results of achievement in other Commonwealth countries.

Study Group on creation of Artificial Rain for Agricultural Purposes

A proposal on the creation of artificial rain and its economic feasibility was referred to the Council by the Ministry of Industries and Scientific Affairs. On the invitation of the Council, a group of Scientists are now studying the feasibility of using artificial rain for agricultural purposes.

National Academy of Sciences

The Council considered a proposal made by the Sri Lanka Association for the Advancement of Science, for the establishment of an Academy of Sciences in Sri Lanka. The Council noted that an Organization of Professional Associations has also been set up recently. This Organization, too, is sponsoring an Academy of Sciences.

The Council accepted in principle the need for an Academy of sciences in Sri Lanka and felt that the establishment of such an Academy should evolve from the present organizations concerned with Science and Technology, namely, the National Science Council, the Government organization and the Sri Lanka Association for the Advancement of Science, which is a voluntary organization, representative of all branches of science and technology.

The Council agreed that most of the objectives set out in the two proposals of the Sri Lanka Association for the Advancement of Science and the Organization of Professional Associations respectively could be met by the two present institutions, namely, the National Science Council and the Sri Lanka Association for the Advancement of Science which would need strengthening and decided to advise the Minister accordingly.

Journal of the National Science Council of Sri Lanka

Volume 4 No. 1 was published in December 1976 and Volume 4 No. 2 is in press.

Thirty one scripts were submitted for publication during 1976. Of these, twelve were accepted, five rejected and fourteen are at the refereeing stage. A new Editorial Board was appointed in January 1976.

'Vidurava' - Science News Bulletin of the National Science Council of Sri Lanka

'Vidurava', the Science News Bulletin is a quarterly publication of the Council, is intended to disseminate current information on scientific matters and also as a forum for the exchange of ideas and a channel of communication among scientists. A Bulletin Advisory Committee was appointed by the Council and three issues with articles in Sinhala, Tamil and English were published in June, September and December 1976, respectively. The third issue was devoted fully to Environmental Problems in Sri Lanka.

International Membership

The Council is the adhering member for Sri Lanka on the following International Organizations :

- (a) Commonwealth Science Council (CSC)
- (b) International Council of Scientific Unions (ICSU)
- (c) Association for Science Co-operation in Asia (ASCA)
- (d) International Foundation for Science (IFS)
- (e) International Union of Physiological Sciences (IUPS)
- (f) International Union of Nutritional Sciences (IUNS)

Council Visitors

- (a) Prof. M. Moravosik - Professor of Physics, Director of the Institute of Theoretical Science, University of Oregon, USA, who was in Sri Lanka during 16-24 January 1976 had discussions with the Secretary-General.
- (b) Dr. Rene Liminga, Director, International Seminar in Chemistry, Uppsala, Sweden, visited CISIR and National Science Council on 5th February 1976. Proposals for assistance to Sri Lanka Science were discussed with the Secretary-General.

- (c) Dr. C.H.G. Oldham, Director, Science Policy Research Unit, University of Sussex, spoke to a group of Senior Scientists and Planners on the objectives and activities of the Science Policy Research Unit, on 12th February 1976.
- (d) Dr. Hansjorg Celtzschner of the Bavarian State Authority on Environmental Protection, Federal Republic of Germany visited the National Science Council during his stay in Sri Lanka in March 1976.
- (e) Mr. Arthur Vespry of the Regional Centre at Singapore, IDRC, Canada, was in the island during 8th to 12th March 1976 in connection with the establishment of an Agricultural Information Centre in Sri Lanka. He visited the National Science Council and also had discussions with the Librarian and Research Personnel of the Agricultural Sector. He was in the island again in October 1976 and had discussions with the Secretary-General on the question of obtaining IDRC assistance for the National Science Council Scientific and Technical Information Centre.
- (f) Dr. Caygill, Biochemist of the Tropical Products Institute (London) had discussions with the Secretary-General on 24th March 1976.
- (g) Dr. Thomas Vrebalovich, Science Counsellor, US Embassy, New Delhi, had discussions with Secretary-General on 26th April 1976 on matters of collaboration; in particular - NAS - NSC Report of the Workshop on Natural Products. Possible arrangements for US to send Journals and library books to Sri Lanka libraries were also discussed.
- (h) Dr. V.G. Podoinitsin, Director, Regional Office for Science and Technology, UNESCO, had discussions with the Secretary-General on 12th May 1976 on the arrangements for the forthcoming 3rd Asian Symposium on Medicinal Plants and Spices and regarding the followup action to be taken on the meetings of the Directors of Science Policy and Research

held in Kuala Lumpur in November 1975 and the second UNISIST meeting of Experts on Regional Information Policy and Planning in South and Central Asia held in New Delhi from 18-20th March 1976.

- (i) Mr. D. McBean addressed members of the National Science Council Secretariat on 20th May 1976 on the Organizational Aspects of Science in Australia and in particular within the CSIRO.
- (j) Prof. N. Herlofson, Director of the International Foundation for Science was in the island during 28th to 30th August and had discussions with the Secretary-General of the Council on the aid programme of the IFS.
- (k) Dr. Teller, Senior Programme Specialist, MAB Secretariat, was in the island from 6 - 12th November 1976 and had discussions with the National Committee of the MAB.
- (l) Mr. Jack Beale, former Minister for Conservation in Australia was in Sri Lanka in December 1976 and he is expected again in January 1977. He was on a UNEP assignment and the National Science Council secretariat assisted him during his stay here.

Overseas Visits

- (i) Dr. G.C.N. Jayasuriya, Secretary-General of the Council was away from the island from January - June 1976 on a Senior Fellowship, awarded by the East-West Centre, Hawaii, USA, on "Transnational Environmental Policy".
- (ii) Dr. G.C.N. Jayasuriya attended the 8th Meeting of the Institute for International Co-operation of the University of Ottawa in Canada in April 1976 on the invitation of the Institute. He read a paper on "Access to Technology and Innovation".

- (iii) Dr. G.C.N. Jayasuriya, on the invitation of the East-West Centre, attended the 3rd Consultants meeting on "Environment and Policy Institute" held in Honolulu, Hawaii, USA in December 1976.
- (iv) Mr. J.C.P. Jayasinghe, Administrative Secretary was in New Zealand from February - August 1976, following a training course in Science Administration under a Scholarship offered by the Colombo Plan.
- (v) Mrs. I. Unamboowe, Acting Librarian of the Council attended the Second UNISIST Meeting of Experts on Regional Information Policy and Planning in South and Central Asia, New Delhi from 18-20 March 1976 as the Sri Lanka representative.
- (vi) Mrs. I. Unamboowe, represented Sri Lanka at the UNISIST Seminar on Training of Scientific and Technical Information held in Bangkok on 14 - 15 October 1976.
- (vii) Mrs. N. Amarasuriya, Scientific Officer, attended a training course on Scientific Editing sponsored by the UNESCO, Regional Office for Science and Technology for South and Central Asia held in New Delhi from 8 - 16 November 1976.

(15) Library, Publications and Documentation Unit

During the year under review, the activities of the Library could be classified into (a) the development of the collection and dissemination of the available information and (b) promotion of facilities for the development of the Centre for information on Science and Technology.

- (a) Development
 - (1) Acquisitions to the library exceeded 3000 and part of this was obtained as a gift from the British Council. These and the local purchases were classified and catalogued. Current Awareness Bulletins were prepared and circulated among the staff.

(2) Steps have been taken to prepare the following bulletins:

- (i) Utilization of solar energy.
(completed)
- (ii) Bibliography of Scientific works in Sri Lanka in the field of Tea and Coconut. (in progress)
- (iii) Science Education (in progress)

During this period, the Library supplied information on the following subjects :

- (1) Periodicals available on Environmental Pollution with special emphasis given to Industrial Pollution -
(NIM)
- (2) Publications available on Science Development in Sri Lanka for Indian Association for the Cultivation of Science.
- (3) Scientific organizations in Non-aligned countries.

(b) Promotion

(1) SLSTIC (Sri Lanka Scientific and Technical Information Centre). Considerable amount of preliminary work was done during the year, towards the progress of the Centre. The following publications were prepared to obtain information on the existing information facilities.

- (a) Directory of Sri Lanka Scientific and Technical Periodicals.
- (b) Union list of Indexing and Abstracting Services and Bibliographical Serials in Sri Lanka.
- (c) Directory of Research Institutes in Sri Lanka.
- (d) Directory of Computer Facilities in Sri Lanka.

- (2) Project Studies were prepared for submission to UNESCO and IDRC in order to obtain financial assistance to establish a Centre, and in this connection personnel from IDRC visited Sri Lanka on two occasions. Project proposals were prepared with their co-operation and they paid visits to the Information Centres in the island.
- (3) With a view to developing the information facilities, assistance was extended to the Central Agricultural Research Institute to obtain foreign assistance and draw up project plans, and it is very likely that the International Coconut Information Centre be established at the CRI in Sri Lanka.
- (4) Work was initiated towards the establishment of a co-ordinated information network and a report outlining the workings of the Centre was also prepared. On the basis of the principles outlined in this report, a meeting of some of the Librarians was arranged to obtain their co-operation in the compilation of the Union Catalogue of books and the Union list of S & T Periodicals. A meeting of the Working Committee on Scientific and Technical Information was held to obtain its approval for this project and steps have been taken for the compilation of the Union Catalogue and the Union List of Periodicals.

UNISIST Programme

It was apparent during the year 1976 that UNISIST had shown a keen interest in the development of information facilities in the island and the activities during the period could be summarised as follows:

- (i) Mrs. L.D. Bandaranaike from CISER was selected to represent Sri Lanka at the UNISIST/NEAIS International Seminar on Indexing, 21-25th June 1976, Poland.
- (ii) ICSU-CODATA/UNISIST - International Training Course in the Handling of Experimental Data, 9 - 20th August 1976, University of Zagreb, Yugoslavia. Two persons, one from the Coconut Research Institute and the other from the Colombo Campus, University of Sri Lanka, were nominated for this training course.

- (iii) UNISIST Seminar on Training of Users of S & T Information, Bangkok, 14 - 15th October 1976. The papers regarding this was received late. The Acting Librarian, who was visiting Bangkok at that time attended this.

Apart from this, UNISIST has taken an active interest to follow the work of the National Centres. A number of guidelines have been prepared in varied aspects of information work.

The 2nd UNISIST Meeting of Experts was held in New Delhi to evaluate the work of National Organizations and to draw up plans for the definite development of information facilities; Mrs. I. Unamboowe, Acting Librarian, National Science Council and Miss C.L.M. Nethsinghe, Librarian, CISIR, represented Sri Lanka.

The policies and plans of UNISIST is effected through the National Committee which met twice in 1976. The resolutions of the UNISIST Meetings held in Colombo, 1974 and in New Delhi 1976 were accepted and approved by the National Committee. The Committee also discussed the Education and Training facilities for information workers and on the work of the Information Centre.

In order to explore the possibilities of utilizing the computer facilities for information work, a survey was undertaken and a Directory, outlining these facilities was published.

A survey was undertaken for UNESCO to obtain information on the back issue of periodicals required by various libraries.

Administration

Staff

The staff at the end of the period under review totalled fifty eight. The Secretary-General and three Scientific Officers continued in office. Two Scientific Officers resigned and four Scientific Officers were appointed during the year under review. Two Documentalists were appointed for the new Documentation Unit.

Dr. R.O.B. Wijesekera, Senior Research Officer, CISIR and member, National Science Council, was appointed by the Minister of Industries and Scientific Affairs to act for Dr. G.C.N. Jayasuriya, as Secretary-General of the Council during the period January - June 1976, when Dr. Jayasuriya was on leave of absence on a Senior Fellow Award at the East-West Centre, Honolulu, Hawaii, USA.

ANNEXE I.

MEMBERSHIP OF THE STATUTORY WORKING COMMITTEES

1. SCIENCE POLICY RESEARCH

Dr. O.W. Jayaratne (Chairman)

Dr. G.C.N. Jayasuriya

Dr. R.O.B. Wijesekera

Prof. S.N. Arseculeratne

Dr. C.R. Panabokke

Dr. Susantha Gunatilake

Mrs. Marina de Silva

Mr. D.B. Pattiaratchi

Mr. S. Liyanage (Secretary)

2. SCIENCE EDUCATION RESEARCH

Prof. V. Basnayake (Chairman)

Prof. B.A. Abeywickrema

Prof. V.K. Samaranayake

Dr. G.C.N. Jayasuriya

Prof. Y.D.A. Senanayake

Dr. Pratab Sivaprakasapillai

Dr. K. Jayasena

Mr. M. Ranaweera

Mr. Thusitha C. Wijesinghe (Secretary)

3. SOCIAL SCIENCE RESEARCH

Prof. S. Tillekeratne (Chairman)

Mr. G.V.S. de Silva

Dr. M.E. Joachim

Dr. H.N.S. Karunatilleke

Dr. A.S. Kunasingham

Dr. (Mrs.) Kumari Jayawardena

Mr. C. Wijeyawickrema (Secretary)

4. SCIENTIFIC AND TECHNICAL INFORMATION

Dr. G.C.N. Jayasuriya (Chairman)

Dr. R.L. de Silva

Prof. U.S. Kuruppu

Dr. R. Mahalingasivam

Mr. C. Narayanasamy

Mr. M.A.P. Senadhira

Prof. K.N. Seneviratne

Mrs. I. Unamboowe (Secretary)

5. RESEARCH GRANTS BOARD

Prof. K.N. Seneviratne (Chairman)

Prof. R.R. Appadurai

Prof. B.A. Abeywickrema

Prof. M.U.S. Sultanbawa

Dr. S. Gnanalingam

Mr. A.S. Jayawardena

Prof. S. Mahalingam

Mrs. Swarna Preliis (Secretary)

6. WORKING COMMITTEE ON ENVIRONMENT

Dr. G.C.N. Jayasuriya

Dr. G.H.P. Bruin

Prof. B.A. Abeywickrema

Prof. Neville Gunaratne

Dr. K.E. de Alwis

Mr. L.C.A. de S. Wijesinghe

Mr. E.E. Jeyaraj

Miss P.E. Juriensz (Secretary)

ANNEXE II

MEMBERSHIP OF THE STANDING COMMITTEES AND PANELS --

I. National Committee on Man and the Biosphere

Prof. B.A. Abeywickrema (Chairman)
Prof. R.R. Appadurai
Dr. G.C.N. Jayasuriya
Mr. E.E. JeyaraJ
Mr. A.S.A. Packeer
Prof. K.N. Seneviratne
Mr. J.P. Herath
Mr. L.C.A. de S. Wijesinghe
Dr. W.P.T. de Silva
Mrs. S.P. Prelis (Secretary)
Miss E.P. Juriansz (Secretary from April, 1976)

II. Executive Committee

Dr. Osmund Jayaratne (Chairman)
Prof. K.N. Seneviratne
Dr. G.C.N. Jayasuriya
Dr. R.C. de Silva
Mr. J.C.P. Jayasinghe (Secretary)
Mr. C. Wijeyawickrema (Secretary Feb. - Sept. 1976)

III. Research Grants & Scholarships Board

Prof. K.N. Seneviratne
Prof. M.U.S. Sultanbawa
Dr. G. Dissanaike
Prof. Y.D.A. Senanayake
Mr. A.S. Jayawardena
Mr. E.E. JeyaraJ
Prof. R.D. Arudpragasam
Dr. R.O.B. Wijesekera
Prof. N.D.W. Lionel
Prof. S. Mahalingam
Mrs. C.M. Fernando (Secretary)
Mrs. S.P. Prelis (Secretary from June 1977)

IV. Sri Lanka UNISIST National Committee

Dr. G.C.N. Jayasuriya (Chairman)
Dr. R.C. de Silva
Mrs. Violet de Souza
Mr. J.P. Senaratne
Miss C.L.M. Nethsinghe
Dr. S. Rajanayagam
Mr. A.M. Ranaweera
Mr. M.A.P. Senadhira
Secretary, Ceylon National Library Services Board
Mr. D.K. Subasinghe
Mr. P.V. Thamber
Mrs. I. Unamboowe (Secretary)

V. Journal of the National Science Council of Sri Lanka -
Editorial Board

Dr. R.O.B. Wijesekera (Chairman)
Dr. G.C.N. Jayasuriya
Prof. S. Mahalingam
Dr. H.N.S. Karunatilake
Prof. V.K. Samaranyake
Prof. B.A. Abeywickrema
Dr. T.W. Herath
Dr. C.R. Panabokke
Prof. K.N. Seneviratne
Dr. S. Wijesundera
Prof. M.L.T. Kannangara
Mrs. Nimala Amarasuriya (Secretary)

VI. 'Vidurawa' - Science News Bulletin of the National Science
Council of Sri Lanka - Advisory Panel

Dr. O.W. Jayaratne (Chairman)
Dr. Carlo Fonseka
Dr. Derek Shockman
Prof. K.T.D. de Silva
Dr. P. Sittamparapillai
Mr. Lyn de Alwis
Mrs. Nimala Amarasuriya (Editor)

ANNEXE III

ALLOCATION OF FUNDS ACCORDING TO MINISTRIES IN WHICH GRANTEEES SERVE

Y E A R	Ministry of Education (Univ. of Sri Lanka)	Health	Agriculture	Fisheries	Labour	Foreign and Internal Trade	Irrigation Power and Highways	Plantation Industries	Justice	Industries & Scientific Affairs	Housing & Construc- tion	Shipping & Tourism	Total	Research Grants Vote
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1970	263537	10000							40012				313549	
1971	230077	4250								30850			315177	
1972	208401	6503	750			21600		10200	3400	17251			268105	
1973	190447	20850	18120			42600		7200		16425			295642	
1974	292075	30160	19120	10000		20800		20892		22000		8700	423747	
1975	445836	31100	18320			14560	17700	9141		48710			514167	700000
1976	616093	78580				18260	14200	9141		46300			813774	800000
1977	755959	169563	80539		68458	33700	8000	24250	6000	38200	9700		1194369	1200000
TOTAL	3052425	351006	136849	10000	128458	151520	39900	80824	49412	219736	9700	8700		

ANNEXE IV

Approved Projects for 1976

Ref. No.	Name, Institution, Title	Duration Year	Total amount approved
RG/76/1	Dr. H.M.W. Herath Dept. of Agricultural Biology, Univ. of Sri Lanka, Peradeniya Campus. "Introduction and evaluation of Psophocarpus tetragonolobus varieties".	3	Rs. 56,100.00
RG/76/2	Dr. A. Kandiah Dept. of Agricultural Engineering, Univ. of Sri Lanka, Peradeniya Campus. "Erosion control methods".	3	Rs. 29,000.00
RG/76/3	Dr. H.G. Nandadasa Dept. of Biological Sciences, Univ. of Sri Lanka, Vidyodaya Campus. "Genetics of resistance to bronzing of paddy".	3	Rs. 39,919.00
RG/76/4	Prof. Y.D.A. Senanayake Dept. of Crop Science, Univ. of Sri Lanka, Peradeniya Campus. "Studies on Psophocarpus tetragonolobus L".	3	Rs. 60,340.00
RG/76/5	Mr. N. Sivachelvan School of Veterinary Sciences Univ. of Sri Lanka, Peradeniya Campus. "Oxytocin/Prolactin ration in blood and its effect on lacta- tion".	2	Rs. 9,516.00

Ref. No.	Name, Institution, Title	Duration Year	Total amount approved
RG/76/6	Dr. C.S. Weeraratne Dept. of Agriculture, Univ. of Sri Lanka, Peradeniya Campus. "Effect of insecticides on soil biological processes".	2	Rs. 38,800.00
RG/76/7	Dr. S.S. de Silva Dept. of Zoology, Univ. of Sri Lanka, Vidyalankara Campus. "A study on the large scale culture of grey mullet".	3	Rs. 33,980.00
RG/76/8	Dr. W.E. Ratnayake Dept. of Biological Sciences, Univ. of Sri Lanka, Vidyodaya Campus. "Genetical studies of Culex pipiens fatigans, mosquito vector of filariasis for eventual use in its control".	3	Rs. 40,350.00
RG/76/9	Dr. P.L.D. Waidyasekera Dept. of Biological Sciences, Univ. of Sri Lanka, Vidyodaya Campus. "Interactions and relations of protozoa of paddy fields".	3	Rs. 20,400.00
RG/76/10	Dr. K.G. Dharmawardena Radio Isotope Centre, Univ. of Sri Lanka, Colombo Campus & Dr. E.R. Jansz Industrial Microbiology Section CISIR, Colombo 7. "Radio Isotopic studies of Cyanogenic Glucosides".	1	Rs. 12,800.00

Ref. No.	Name, Institution, Title	Duration Year	Total amount approved
RG/76/11	Dr. H. Goonewardena Dept. of Botany, Univ. of Sri Lanka, Vidyalankara Campus. "Extraction, purification and biochemical investiga- tion of antibiotic compounds in Hal (Vateria copallifera) bark".	2	Rs. 62,734.00
RG/76/12	Dr. M. Mahendran Dept. of Chemistry Univ. of Sri Lanka, Colombo Campus. "A study of the antibacterial properties of some Marine Algae and Sponges".	3	Rs. 35,825.00
RG/76/13	Dr. L.M.V. Tillekeratne Dept. of Chemistry, Univ. of Sri Lanka, Colombo Campus. "Study of locally available raw material for their suitability in the perfumery industry".	3	Rs. 42,225.00
RG/76/14	Dr. R.O.B. Wijesekera Miss L.S. Rajapakse Natural Products Section, CISIR, Colombo 7. "Chemical screening of Alkaloid bearing plants of Strychnos and Cinchona Species".	3	Rs. 49,800.00
RG/76/15	Prof. S.W. Bibile Fac. of Medicine, Univ. of Sri Lanka, Peradeniya. "Survey of prescribing practices".	2	Rs. 16,600.00

Ref. No.	Name, Institution, Title	Duration Year	Total amount approved
RG/76/16	Dr. S.S. Drahaman Kandy General Hospital, Kandy. "A prospective study of febrile convulsions and its sequelae in Sri Lankan children".	3	Rs. 6,120.00
RG/76/17	Dr. J.T. Fernando General Hospital, Colombo. "Burns Problems in Sri Lanka".	1	Rs. 8,400.00
RG/76/18	Dr. N. Ganeshanathan Ratnapura General Hospital, Ratnapura. "A study of habits, nutrition and iron deficiency in estate workers with special reference to incidence of Carcinoma of the Oesophagus".	1	Rs. 2,416.00
RG/76/19	Dr. J. Jeyaratnam Dept. of Public Health & Preventive Medicine, Univ. of Sri Lanka, Colomb Campus "Prospective epidemiological survey of the health of workers occupationally exposed to DDT in the Anti-Malaria Campaign".	1	Rs. 5,000.00
RG/76/20	Dr. S.P. Lamabadusuriya Dept. of Paediatrics, Univ. of Sri Lanka, Colombo Campus. "Studies on aetiology and treatment of malabsorptive states in malnourished Children".	3	Rs. 26,799.00
RG/76/21	Dr. C.G. Mahendra & Dr. W.D.A. Perera Medical Research Institute, Colombo 8. "Food consumption patterns and nutritional status of the low socio-economic groups in the urban areas".	3	Rs. 39,750.00

Ref. No.	Name, Institution, Title	Duration Year	Total amount approved
RG/76/22	Dr. A. Nimalasuriya Fac. of Medicine, Univ. of Sri Lanka, Colombo Campus. "Operational research into the cost efficiency of the drug distribution system".	1	Rs. 9,000.00
RG/76/23	Dr. W.A. Samarawickrema Medical Research Institute, Colombo 8. "(1) Study of the Mosquito Culex pipiens fatigans in different areas of Sri Lanka in relation to the transmission of filariasis. (2) A study of the distribution & prevalence of Aedes mosquitoes in 18 towns in relation to the Epidemiology of Dengue Fever".	2	Rs. 29,450.00
RG/76/24	Dr. S. Sriharan Dept. of Anatomy, Univ. of Sri Lanka, Peradeniya Campus. "Carcinogenesis - A Biological point of view".	3	Rs. 8,210.00
RG/76/25	Miss E.C. Virasinghe Dept. of Medicine, Colombo Campus, Univ. of Sri Lanka, Colombo. "The immunology of acute and chronic malaria, including the tropical splenomegaly syndrome".	1	Rs. 2,574.00
RG/76/26	Dr. C. de S. Wijesundera, Kandy General Hospital, Kandy. "Attempt to find the aetiology of infantile tremor syndrome".	1	Rs. 4,560.00

Ref. No.	Name, Institution, Title	Duration Year	Total amount approved
RG/76/27	Prof. M.L.T. Kannangara Dept. of Physics, Univ. of Sri Lanka, Colombo Campus. "Geomagnetic Micropulsa- tions".	3	Rs. 30,252.00
RG/76/28	Dr. S. Sotheeswaran Dr. A. Leslie Gunatilake Dept. of Chemistry, Univ. of Sri Lanka, Peradeniya Campus. "Extractions of economically useful natural products. A feasibility study for setting up pilot plant scale extractions".	2	Rs. 24,550.00
RG/76/29	Mr. P.A. Sisira Kumar Dept. of Sociology, Univ. of Sri Lanka, Peradeniya Campus "Community development and the problem of popular participation".	1	Rs. 7,950.00
RG/76/30	Dr. S. L. Fernando Dept. of Vet. Para-clinical studies, Univ. of Sri Lanka, Peradeniya Campus. "Pathogenicity, treatment and immunology of cattle and goats to trichostrongyloid infections. 1. Mecistocircus digitatus 2. Trichostrongylus colubriformis.	3	Rs. 48,446.00

ANNEXE VI.

LIST OF PRIORITY PROJECTS FOR RESEARCH GRANTS

The Council, in order to promote research which would be of immediate economic and social benefit to the country, and also in order to encourage a multidisciplinary and interorganizational approach to these research problems, invited individual scientists or groups of scientists to submit applications for the following research projects. The Council will give priority for these projects. The order in which projects are listed does not indicate the order of priority. However, projects other than those listed below will also be considered by the National Science Council.

1. Research projects concerning soil biology (macro and micro).
e.g. Effects of use of pesticides on the soil micro and macro fauna and flora under different cultivation systems such as rice, tea, rubber, vegetables and potatoes.
2. Studies of plant virus diseases and their control.
e.g. Yellow leaf virus in Soya bean.
3. Study of damage caused by insect pests and methods of control.
e.g. a) P. Cummingi and Trunk borer in cashew.
b) Study of life cycles of insect pests and predators.
4. Tissue culture studies
e.g. Clonal propagation of Coconut.
5. Studies on increasing the efficiency of the fermentation industry based on toddy.
6. Study of locally available raw material for their suitability in the perfumery industry.

7. Control of weeds.
e.g. a) Biological Control
b) Use of weedicides
8. Natural repellents for the control of insects in stored foods.
9. Storage, packaging and transportation of fruits and vegetables for minimising spoilage.
10. Cultivation of sugar beet in Sri Lanka and its potential for sugar production.
11. Operational Research into the cost-efficiency of health care delivery systems.
12. Research into health care problems that arise with new development projects.
13. Research into overcoming health hazards arising from new industrial and agricultural techniques.
14. Studies on nutrition relating to the cost and availability of local resources, including the requirements of specific population groups.
15. Epidemiological studies with special reference to the communicable diseases - vector control and water hygiene and problems arising from environmental pollution.
16. Problems connected with population control and demographic studies.
17. Change in pattern of disease in Sri Lanka
18. Research relating to clinical problems of special significance.
19. Problems arising from drug abuse and addiction.
20. Nutritional and socio economic aspects of community feeding.

21. Study of the major problems of implementation of pre-vocational studies, including its impact and repercussions.
22. The development of techniques for assessment of practical abilities such as manipulative skills.
23. Studies in respect of possible reduction in school overheads including the economic and social consequences of its distribution between urban and rural areas.
24. An economic study of the book printing and publishing trade with special reference to educational books.
25. Production of inexpensive science equipment for use at school level to meet the requirements of the new curricula.
26. Development of traditional and other building materials for low cost housing.
27. Study of the properties of reclaimed marshy land to evolve economic foundation design for housing.
28. Studies of the suitability of the technology used in Agriculture Industry and the services.
29. Worker motivation, absenteeism and nutrition.
30. Case studies of under-employment in rural areas with emphasis on causes for such under-employment.
31. Maximum utilization of the available excess capacity in lorry transport.
32. A study of the problem of transporting produce in the rural areas.
33. Role of the middleman in the economy, with special reference to the problems of agricultural marketing.
34. Socio-economic studies of selected villages.

35. Research on demand and market studies of wood raw materials.
36. Economic use of alternative sources of energy.
e.g. a) Microbiological production of methane as a source of domestic fuel,
b) Solar energy
c) Wind energy
37. Utilization and recycling of wastes,
a) Agricultural and Animal Wastes
b) Industrial and Chemical Wastes
c) Community Wastes
d) Building material Wastes
38. Metallurgy of production of knife edges and bearings for weighing scales.

ANNEXE VI

PUBLICATIONS OF RESEARCH GRANTEES 1975/76

1. NSCA/1/17/2: PROF. M.U.S. SULTANBAWA

- 1.1 BANDARANAYAKE, W.M., GUNASEKERA, S.P., KARUNANAYAKE, S., SOTHEESWARAN, S. & SULTANBAWA, M.U.S. (1975) Chemical investigation of Ceylonese plants. Part XIII. Terpenes of *Dipterocarpus* and *Doona* Species. Phytochemistry : 14 : 2043.
- 1.2 BANDARANAYAKE, W.M., SELLIAN, S.S., SULTANBAWA, M.U.S. & OLLIS, W.D. (1975) Chemical investigation of Ceylonese plants. Part XVIII. Biflavanoids and Xanthones of *Garcinia terprophylla* and *G. echinocarpa*. Phytochemistry 14 : 1878.
- 1.3 GUNASEKERA, S.P. & SULTANBAWA, M.U.S. ()
Chemical investigation of Ceylonese Plants. Part XX. Extractives of *Mesua myrtifolia*. Isolation and structure of a new triterpene hydroxy acid, myrtifolic acid. J. Chem. Soc. Perkin I. (in press).
- 1.4 GUNASEKERA, S.P. & SULTANBAWA, M.U.S. ()
Chemical investigation of Ceylonese Plants. Part XXII. Extractives of *Trichadenia zeylanica* Thw. (Flacourtiaceae) isolation and structures of six new triterpenoids containing the Friedelan skeleton. J. Chem. Soc. Perkin I. (in press)
- 1.5 GUNASEKERA, S.P. & SULTANBAWA, M.U.S. ()
Chemical investigation of Ceylonese Plants. Part XXIII. Extractives of *Hydnocarpus octandra* Thw. (Flacourtiaceae) isolation and characterisation of six new Triterpenoids. J. Chem. Soc. Perkin I. (in press).
- 1.6 KUMAR, N.S., PAVANASIVAM, C., SULTANBAWA, M.U.S. & MAGESWARAN, R. () Chemical investigation of Ceylonese Plants. Part XXIV. New Chromenoflavanoids from the Bark of *Artocarpus nobilis* Thw. (Moraceae). J. Chem. Soc. Perkin I. (in press).

2. NSCA/1/17/7: PROF. S.N. ARSECULARATNE

2.1 Thesis : SAMARAJEENA, U. (1976) Mycotoxins in coconut based human and animal food stuffs. (Submitted for the award of Ph.D. in Microbiology of the University of Sri Lanka, Peradeniya Campus).

3. NSCA/1/17/31: Dr. H.M.W. Herath

3.1 HERATH, H.M.W. (1974) A study of the factors affecting growth and reproduction of Salvinia auriculata Aubl. in Sri Lanka. (Paper presented at the South East Asian Workshop on Aquatic weeds, Malang, Indonesia, 26-29 June, 1974).

4. NSCA/1/17/38: Dr. R.S. Ramakrishna

4.1 Thesis : SENARATYAPA, D.A.T.A. (1975) Studies with Titanium (IV) and Titaniferrous minerals. (Submitted for the award of M.Sc. degree of the University of Sri Lanka, Colombo Campus).

5. NSCA/1/17/41: Prof. K.N. Seneviratne

5.1 Thesis : WEERASOORIYA, A. (1974) The effects of Isochaemia on peripheral myelinated nerve. (Submitted for the award of degree of Master of Philosophy, University of Ceylon).

6. NSCA/1/17/52: Miss C.L.M. Nethsinghe

6.1 WIJESSEKERA, R.O.B., NETHSINGHE, C., PASKARANATHAN, U. & RAJENDRAN, P. (1975). Compendium on spices of Sri Lanka : 1. Cardamom. 54p.

6.2 WIJESSEKERA, R.O.B., NETHSINGHA, C. & PASKARANATHAN, U. (1975) Compendium on spices of Sri Lanka : 2. Cumin. 23p.

- 6.3 NETHSINGHA, G. & PASKARANATHAN, U. (1976)
Lemongrass: a literature survey (Spices and essential
oil bearing plants, No. 3). 40p.
- 6.4 NETHSINGHA, G. & PASKARANATHAN, U. (1976)
Turmeric : a literature survey. (Spices and essential
oil bearing plants, No. 4). 37p.
- 6.5 NETHSINGHA, G. & PASKARANATHAN, U. (1976)
Citronella : a literature survey. (Spices and
essential oil bearing plants, No. 5). 61p.
7. RG/72/5 : Mr. R. Rasaratnam
- 7.1 RASARATNAM, R., VIJAYARAGAVAN, A., THEVENDRAN, A.
& KATUCAMPOLA W. (1975) Thoracic and abdominal
trauma : an analysis of 821 cases. Cey.Med.J.
20(1) : 26-30.
8. RG/72/6 : Dr.(Mrs.) W.P.D. Pereira & Dr. J.N.O. Fernando
- 8.1 Thesis: JAYAMANNE, D.T. (1975) Reduction of chlorate in
diaphragm cells used for the manufacture of caustic
soda (submitted for the award of M.Sc. degree of the
University of Sri Lanka, Colombo Campus.).
- 8.2 FERNANDO, J.N.O., JAYAMANNE, D.T. & PEREIRA, W.P.D.
(1973) Investigation into the reduction of
contaminants in the diaphragm cell used for the
manufacture of Caustic Soda % 1. Proc. Cey.
Ass. Advmt. Sci. 29(1):136.
9. RG/72/7 : Dr. M.P. Wesenthi-Pulle .
- FULLE, M. (1975) Sweetner preparations from sugar
beets. Proc. Ceylon Ass. Advmt. Sci. 31(1): 27.

10. RG/72/8 : Dr. (Mrs.) S. Satchithanathan
10.1 Thesis: SATCHITHANATHAN, S. (1976) Human placenta morphological variations and norms. (Submitted for the award of a Ph.D. of the University of Sri Lanka, Colombo Campus).
11. RG/72/14 : Dr. P.L.D. Waidyasekera
11.1 KULARATNE, S. & WAIIDYASEKERA, P.L.D. (1976) Protozoa of rice fields in Sri Lanka : a preliminary microbiological and ecological study. Proc. Sri Lanka Ass. Advmt. Sci. 32(1):73.
12. RG/72/16 : Dr. H.G. Nandadasa
12.1 SENARATNE, A.U. & NANDADASA, H.G. (1973) Observations on the bronzing disease of paddy. Proc. Ceylon Ass. Advmt Sci. 29(1) : 103-104.
12.2 SENARATNE, A.U. & NANDADASA, H.G. (1974) A genetical analysis of resistance to bronzing in paddy. Proc. Ceylon Ass. Advmt Sci. 30(1):90-91.
12.3 Thesis: SENARATNE, A.U. (1976) Inheritance of resistance to bronzing disease in rice. (Submitted for the award of M.Sc. degree of the University of Sri Lanka, Vidyodaya Campus).
13. RG/72/21 : Prof. K.T.D. de Silva
13.1 DE SILVA, K.T.D. & WEMALA, A.R. (1975) Preliminary studies on lichens of Sri Lanka. Proc. Sri Lanka Ass. Advmt Sci. 31(1), 1975. p.59.
14. RG/72/26 : Mr. L.A.C. Alles
14.1 ALLES, L.A.C., WIJERATNE, W.B., SOMARATNE, A.M.L.B. & RAINATUNGE, M. (1974) Preliminary investigations on the application of freeze concentration to fruit juices. Proc. Ceylon Ass. Advmt Sci. 30(1):127-128.

15. RG/72/28 : Mr. L.A.C. Alles

15.1

ALLES, L.A.C., SEMERATNE, A.M.L.B., WIJERATNE, W.B., GNANASURİYAN, S.M. (1974) Investigations on the cold storage behaviour of limes (Citrus Aurantifolia-swingle). Proc. Ceylon Ass. Advmt Sci. 30(1): 126-127.

16. RG/72/32 : Dr. S. Selvanayagam

16.1

SELVANAYAGAM, S. (1973) Mechanization in peasant agriculture: issues and implications. Ceylon J. Hist. Soc. Stud. 3.

17. RG/72/35 : Mr. R.W.A.S.B. Rajaguru

17.1

RAJAGURU, A.S.B. (1972/73) Elimination of Hydrocyanic acid from processed manioc chips. J. Nat. Agric. Soc. Ceylon 9/10 : 53-62.

18. RG/73/9 : Dr. S.S. de Silva

18.1

DE SILVA, S.S. & PERERA, P.A.B. (1975) Contributions to the culture of grey mullet, Mugil cephalus L. in Sri Lanka. I. effects of salinity on food intake, growth and food conversion in the young. Proc. Sri Lanka Ass. Advmt Sci. 31(1):43. [see also : DE SILVA, S.S. & PERERA, P.A.B. (1976) Studies on the young grey mullet, Mugil cephalus L. 1. effects of salinity on food intake, growth and food conversion. Aquaculture 7:327-338/.

18.2

DE SILVA, S.S. & WIJERATNE, M.J.S.K. (1975) Contributions to the culture of grey mullet, Mugil cephalus L. in Sri Lanka. 11. food and feeding habits of the juveniles. Proc. Sri Lanka Ass. Advmt. Sci. 31(1):44.

18.3

PERERA, P.A.B. & DE SILVA, S.S. (1975) Contributions to the culture of grey mullet, Mugil cephalus L. in Sri Lanka. III. seasonal and diurnal changes in the water quality of fish ponds and results of small scale culture of mullet. Proc. Sri Lanka Ass. Advmt Sci. 31(1):44.

- 18.4 DE SILVA, S.S., DHARMAWARDANA, M.W.N. & WIDANAPATHIRANA, G. (1975) Contributions to the culture of grey mullet, Mugil cephalus L. in Sri Lanka. IV. Chemical biology of wild mullet. Proc. Sri Lanka Ass. Advmt Sci. 31(1):45.
- 18.5 DE SILVA, S.S. & WIJEYARATNE, M.J.S. (1976) Studies on the biology of young grey mullet, Mugil cephalus L. 12p. (Paper presented at the FAC Technical Conference on Aquaculture, Kyoto, Japan, 26 May - 2 June 1976).
19. RG/73/14 : Dr. N.J. Wallopillai
- 19.1 WALLOPILLAI, N.J. & ATUKORALE, D.P. (1975) Myocardial infarction in young Ceylonese. J. Natn. Sci. Coun. Sri Lanka 3(1):19-29.
20. RG/73/15 : Dr. N. Nagarathnam
- 20.1 NAGARATHNAM, N. (1975) Anthropological implications of abnormal haemoglobins in Sri Lanka. (Paper read at the 3rd Meeting of the International Society of Haematology, Jakarta, Indonesia, June 1975).
21. RG/73/18 : Dr. P. Ambikapathy
- 21.1 AMBIKAPATHY, P. (1975) Family Planning : a survey in depth of a small community. Proc. Sri Lanka Ass. Advmt Sci. 31(1):5.
22. RG/74/1 : Dr. C.S. Weeraratne
- 22.1 WEERARATNE, C.S. (1976) Studies on residual effects of some agrochemicals. 20p. (Agricultural Research Seminar Series, no. 76-4).
23. RG/74/24 : Dr. W.R. Breckenridge
- 23.1 PEREIRA, C.R.D. & BRECKENRIDGE, W.R. (1976) Histochemical observations on the alimentary tract of the Kalutara Snail Achatina Fulica. Proc. Sri Lanka Ass. Advmt Sci. 32(1) : 71-72.

24. RG/75/2 : Dr. R.H.G. Clements
24.1 CLEMENTS, R.H.G. (1976) Some agronomic studies on soyabean (Glycine max (L) Merr.) 14p. (Agricultural Research Seminar Series, no 76-5.).
25. RG/75/3 : Dr. H.M.W. Herath
25.1 IRUTHAYATHAS, E.E. & HERATH, H.M. (1975) Investigations on lemongrass and citronella (Cymbopogon citratus & Cymbopogon nardus). 24p. (Agricultural Research Seminar Series, no 75-6.)
25.2 IRUTHAYATHAS, E.E., HERATH, H.M.W. & WIJESIEKERA, R.O.B. (1976) Variations in the composition of oil in citronella strains. Proc. Sri Lanka Ass. Advmt Sci. 32(1):49-50.
26. RG/75/4 : Mr. A.S.B. Rajaguru
26.1 RAJAGURU, A.S.B. (1975) Problem of HCN in cassava. 9p. (Agricultural Research Seminar Series, no. 75-7).
27. RG/75/16 : Prof. H. Crusz & Mr. L. Nugaliyadde
27.1 CRUSZ, H. & NUGALIYADDE, L. (1976) Some results of the selective breeding experiments. (Published as an Appendix to GRUNBERG, H. Clithon. Phil. Trans. Roy. Soc. (B)275:385-437).
28. RG/75/19 : Dr. C. Doidge
28.1 Seminar on Colombo shanty housing, Colombo, 8 May 1976: Papers. (mimeo).
28.2 PEIRIS, K.R.S. & DOIDGE, C. (1976) Portrait of a shanty town. Katubedde Campus. 33p. (mimeo).
29. RG/75/28 : Dr. N. Ganeshanathan
29.1 GANESHANANTHAN, N., MARIADASON, A.D. & DHARMARATNE, D.A.J. (1976) Amoebic pericarditis. Ceylon Med. J. 21(1):39-46.

30. RG/75/29 : Dr. N. Ganeshanathan
GANESHANATHAN, N. (1976) Perforations of the oesophagus following oesophagoscopy. (Paper read at the Anniversary Sessions of the Sri Lanka Medical Association, March 1976).
31. RG/75/34 : Dr. P. Abeykoon
31.1 ABHEYKOON, P., BANDARANAYAKE, R.C., JAYASENA, K., JAYAWICKREMARAJAH, P.T. & VARAGUNAM, T. (1975)
A preliminary work analysis of intern medical officers. Proc. Sri Lanka Ass. Advmt. Sci. 31(1) :4.
32. RG/75/36 : Dr. V. Kumar & Dr. S. Balasubramaniam
32.1 PUVANSARAJAH, V., KUMAR, V. & BALASUBRAMANIAM, S. (1976)
Perfumery concrete from mesua ferrea (family Guttiferae Sinh : NA) flowers. Proc. Sri Lanka Ass. Advmt. Sci. 32(1):87.
32.2 PUVANESARAJAH, V., KUMAR, V. & MAGESWARAN, S. (1976)
Conversion of cinnamon leaf oil to iso-eugenol. Proc. Sri Lanka Ass. Advmt. Sci. 32(1):86-87.
33. RG/75/39 : Dr. N. Amerasinghe
33.1 AMERASINGHE, N. (1975/76) Economic resource use and decision making in paddy farming in some mid-country villages of Sri Lanka. Peradeniya : Faculty of Agriculture. viii, 111p. (mimeo).
34. RG/76/4 : Prof. Y.D.A. Senanayake
34.1 SENANAYAKE, Y.D.A. & SUMANASINGHE, V.A.D. (1976)
Fruit growth in Psophocarpus Tetragonolobus L.(DC). J. Natn. Agric. Soc. Ceylon. 13:113-118.
34.2 SENANAYAKE, Y.D.A. & SUMANASINGHE, V.A.D. (1976)
Leaf protein content of psophocarpus Tetragonolobus (L). DC., J. Natn. Agric. Soc. Ceylon 13:119-121.

35. RG/76/8 : Dr. W.E. Ratnayake,

35.1 GUNAWARDANE, K.R.S. & RATNAYAKE, W.E. (1976) A new mutation in *Culex pipens fatigans*, wiedemann, affecting the adult eye. Proc. Sri Lanka Ass. Advmt. Sci. 32(1):77.

36. RG/76/26: Prof. C. de S. Wijesundera

DE S. WIJESUNDERA, C., SODIQ, M.N., PREMETILLEKA, W., PIYASENA, R.D. & SIVAKANESHAN, (1976) Infantile tremor syndrome pigmentation retardation syndrome. (Paper read at the Annual Sessions, Sri Lanka Association, 12-13 April 1976.).

MAN AND BIOSPHERE PROJECT 3

1. MAB/P₃/1.0 Dr. N. Amerasinghe

1.1 AMERASINGHE, N. (1976) Socio-economic aspects of peasant farming in some hill country dry patana villages of Sri Lanka. Peradeniya : University of Sri Lanka. ix, 110 p.

ANNEXE VII

MANPOWER TRAINING PROGRAMME - PLANT SCIENCES

Ref. No.	Name, Institution, Title	Duration Year	Total amount approved
6/PSG/74/4	Prof. M.D. Dassanayake Dept. of Botany, Univ. of Sri Lanka, Peradeniya Campus. "Studies on the Flora of Sri Lanka".	3	Rs. 36,000.00
6/PSG/74/5	Dr. M.A. Pemadasa Dept. of Botany, Univ. of Sri Lanka, Peradeniya Campus. "Ecology of Grassland Vegetation of Hantane Hills".	3	Rs. 12,167.30
6/PSG/74/6	Dr. M.A. Pemadasa Dept. of Botany, Univ. of Sri Lanka, Peradeniya Campus. "Comparative Biology of <u>Crotalaria Spp</u> ".	3	Rs. 18,391.24
6/PSG/74/7	Dr. (Mrs.) K. Abeynayake Dept. of Botany, Univ. of Sri Lanka, Colombo Campus. "The study of mycorrhizas in the forest trees of Sri Lanka".	3	Rs. 55,341.02
6/PSG/74/8	Dr. M.A.P. Manthiraratne Botanist, Coconut Research Institute, Lunuwila. "An investigation into the occurrence of parthenocarpy in coconut. <u>Cocos nucifera</u> L., particularly in the variety nana (dwarfts)"	3	Rs. 21,880.05
6/PSG/74/9	Dr. H.P.M. Gunasena Dept. of Crop Science, Univ. of Sri Lanka Peradeniya Campus. "Evaluation of herbicides for lowland and upland rice (<u>Oryza sativa</u> L.)".	1	Rs. 4,750.00

ANNEXE VIII

LIST OF PRIORITY AREAS IN SCIENCE EDUCATION RESEARCH

1. Problems in science education arising out of the presence of large numbers of (unselected) pupils.
2. Problems arising out of the administrative organization of schools.
3. Problems of competition among pupils.
4. Philosophical conflict between science and other subjects in the school curriculum.
5. Science education in primary school.
6. Promotion of team work among science pupils.
7. Problems of assessment
 - (a) Continuous assessment
 - (b) Maintenance of stable objective standards of assessment.
8. Transition from HNCE to University.
9. Content of science education at junior and secondary levels in relation to:
 - (a) time available to teach it
 - (b) mental development of the pupils
 - (c) resources available
10. Coining of new technical terms in swabasha vis a vis the use of international terms.
11. Social mobility through science education. The fate of a cohort of science students.

12. Textbooks.
13. Subsidiary materials. Scientific data books and atlases for identification of rocks, plants, mammals.
14. Teacher training.
15. Investigational work by science pupils.
16. Innovative procedures in the classroom.
17. Field work in science learning and teaching.
18. Feedback from teachers and pupils.
19. Mechanisms for revision of syllabuses.
20. Decentralisation of examinations.
21. Guidance to teachers for improvisation of apparatus.
22. Facilities available to science teachers to construct apparatus (spare parts, assembleable parts).
23. Bibliographical service to teachers.
24. Setting up of local groups for research in education.
25. Description, demonstration and doing in the process of teaching science.
26. Science reading and reference habits.
27. The transition from NCCE to HNCE.
28. Aims of science education stated by curriculum makers and as perceived by teachers and pupils.

29. Relationship between the content of science education and the mental development of the pupils.
30. Jobs which (are said to) require a background of science education.

MEDIUM PRIORITY TOPICS

1. Village technology and school science.
2. Role of the mass media in science education.

LOW PRIORITY TOPICS

1. History of science education in Sri Lanka.
2. Foreign aid and science education.
3. Scientific literacy of persons who have science education
4. Science education and human behaviour.

NATIONAL SCIENCE COUNCIL OF SRI LANKA
BALANCE SHEET AS AT 31ST DECEMBER 1976.

As at 31-12-75

FUNDS EMPLOYED

654,275
500,000
1,154,275
582,970
<u>571,305</u>
-
-
<u>700,000</u>
29,569
670,431
<u>670,431</u>
-
<u>35,542</u>
13,484
22,058
-
<u>30,231</u>
29,569
59,800
<u>59,800</u>
-
<u>1,641</u>
-
<u>1,641</u>
595,004

National Science Council Fund

Balance on 1st January 1976 - Schedule No.1

Add : Drawings from Treasury

Less: Excess of Expenditure over Income

Documentation Unit

Drawings from Treasury

Less: Expenditure for the year ended 31-12-1976

Research Grants Funds

Approved Projects Accounts

Drawings from Treasury

Less: Transfer to M.A.B. Project 3

Less: Expenditure for the year ended 31-12-1976

Man & the Biosphere Account

Balance on 1st January 1976

Less: Expenditure for the year ended 31-12-1976

Funds brought forward from 31-12-1975

M.A.B. Project 3 Funds provided in 31-12-1975

M.A.B. Project 3 Funds transferred from Research Grants

Less: Expenditure for the year ended 31-12-1976

Man Power & Expenditure A/c.

Balance on 1st January 1976

Less: Expenditure for the year ended 31-12-1976

Rs...cts

Rs. .cts

Rs. .cts

652,424.03
642,500.00

1,294,924.03
661,530.16

633,393.87

80,000.00
29,967.34

50,032.66

800,000.00
26,048.15
773,951.85
780,123.00

(6,171.15)

22,058.38
12,910.75

9,147.63

11,400.89
23,951.85
26,048.15
61,400.89
47,982.47

13,418.42

1,641.00
1,641.00

1,641.00
701,462.43

C / F

Rs. 595,004

440
-
440

373,292
200,000
573,292
9,750
563,542
1,158,986

39,349
1,550
21,475
369,078
-
-
431,452
1,590,438

B / F
Survey of Raw Materials A/c.

Balance on 1st January 1976
Less: Expenditure for the year ended 31-12-1976

Scientific Man Power Project A/c.

Balance on 1st January 1976
Drawings from Treasury
Less: Expenditure for the year ended 31-12-1976

CURRENT LIABILITIES

Creditors - Schedule No.2
UNISIST Conference
Funds to the credit of Continuing Research
Projects - Schedule No.3
Provisions for Research Grants out of 1976
Allocation - Schedule No.4
Provision for Publication on Indigenous &
Exotic Plants - Schedule No.5
Suspense Account

Rs. Cts

440.00

563,541.84
563,541.84
23,575.00

120,791.13

67,019.79

564,533.90

141,045.00
477.17

Rs. Cts

701,462.43

440.00

540,966.84
1,242,869.27

893,866.99
2,136,736.26

Prof. K.N. Seneviratne
Vice Chairman

National Science Council of Sri Lanka

Dr. R.C. de Silva
Acting Secretary-General

National Science Council of Sri Lanka

NATIONAL SCIENCE COUNCIL OF SRI LANKA
BALANCE SHEET AS AT 31ST DECEMBER 1976

REPRESENTED BY

As at 31-12-75

Rs.	
69,310	
80,202	
60,025	
30	
602	
6,030	
51,090	
-	
267,289	
13,954	
451	
9,460	
291,154	
98,507	
75,541	
3,099	
2,030	
350	
200	
-	
153,452	
966,105	
1,299,284	
1,590,438	

Cost as at 01-01-1976	Additions during the year	Accumulated Depreciation	Net Balance as at 31-12-1976
Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts
93,218.15	33,636.00	36,593.52	90,260.63
232,180.85	16,242.00	201,665.10	46,764.75
110,249.22	867.90	72,448.18	38,668.94
793.25	-	793.25	-
1,504.00	-	1,203.20	300.80
12,792.95	3,078.00	9,937.56	5,933.39
51,091.49	24,144.12	-	75,235.61
-	79,469.20	15,893.84	63,575.36
501,829.91	157,444.22	338,534.65	320,739.48

Fixed Assets
Buildings
Office Equipment & Furniture
Motor Car
Bicycle
Sports Equipment
Accessories & Miscellaneous
Library
Scientific & Laboratory Equipment
on loan - Schedule No.1(a)

Telephone Installation of D.P.
National Emblem
Goodwill on Sales & Exchanges on Council Publications - Schedule No. 6

Current Assets

Stocks - Schedule No. 7
Debtors - Schedule No. 8
Prepayments - Schedule No. 9
Deposits - Schedule No. 10
Cash & Bank Balances - Petty Cash
Monies to be banked
Cash in hand
Bank Account No. 7572
No. 7686

141,550.54
101,555.84
4,579.07
10,094.94
500.00
6,686.88
392,212.33
1,131,321.32

1,530,720.53
723.45

Welfare Society Adjustment A/c.

1,789,234.37
2,136,736.26

NATIONAL SCIENCE COUNCIL OF SRI LANKA

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST DECEMBER 1976

For the year ended

31-12-1975(rs.)

	Rs	Cts
Income for the year		
Interest Received - Schedule No.11	3,617.07	
Sundry Income	1,104.37	
		4,721.44

Less: Expenditure for the year

	Rs	Cts
<u>Council Expenditure</u>		
Travelling(Council Members)	2,540.30	
Sub Committees & Panels	8,712.25	
Seminars & Symposia	13,371.12	
Printing & Publications	30,135.00	
Research Studentships & Fellowships	52,476.14	
Subscriptions to International Scientific Unions	1,708.30	
Participation in International Scientific Works	4,920.95	
Incidental Expenses for Visiting Scientists		113,864.06

Staff Emoluments

	Rs	Cts
Salaries & Allowances	305,524.99	
Employees Provident Fund(Council Contribution)	25,330.20	
Overtime	14,368.45	
		345,223.64

Office Administration

	Rs	Cts
Travelling(Official)	1,131.42	
Stationery	14,028.75	
Electricity	3,146.32	
Telephone	10,985.98	
Less: Telephone Charges(Private Calls)	11,250.65	
Postage	264.67	
Audit Fees	7,199.95	
Bank Charges	2,500.00	
Sundry Expenses - Schedule No.12	1,575.53	
		5,279.67

4,476
315
11,551
9,178
2,459
5,000
1,992
<u>38,076</u>
80,905
<u>561,297</u>
<u>563,155</u>

Entertainment 3,307.27
 Medical Expenses 482.50
 Advertising 11,871.50
 Maintenance of Motor Car 21,990.48
 Maintenance of Office Equipment & Furniture 1,710.50
 Welfare & Recreation 3,000.00
 Consumables of Office Building 2,966.66
 Maintenance of Office Building 11,993.80

33,342.13
103,993.57

666,251.60
661,530.16

Documentation Centre
 Salaries
 E. F. F. (Council Contribution)

27,967.58
1,999.76

29,967.34

RFS MARCH

Approved Projects
 Expenditure on Grants awarded in 1976
 - Schedule No. 14
 Provision for balance funds on grants
 awarded in 1976 - Schedule No. 4(a)

223,539.79

226,603.21

450,143.00

2nd Year provision for grants awarded
 in 1975 - Schedule No. 4(b)
 Grants awarded prior to 1976 Disbursement in 1976 - Schedule No. 4(c)
 Provision for balance funds on grants
 awarded prior to 1976 - Schedule No. 4(c)

296,100.00

21,739.52

12,140.48

33,880.00

Provision for Additional Funds on Res. Grants

<u>169,680</u>
35,952
<u>670,431</u>

780,123.00

MAN & THE BIOSPHERE PROJECT

<u>Rs.</u>		<u>Rs. Cts</u>
<u>48,399</u>	MAB Project 3	
<u>11,401</u>	Expenditure for 1976	47,982.47
<u>59,800</u>	Provision for Balance Funds - Schedule No.4(c)	
<u>13,484</u>	Provision for Balance Funds - Schedule No.4(c)	13,418.42
	Expenditure on other MAB Projects-Sch. No.15	<u>61,400.89</u>
	<u>Scientific Manpower Project</u>	<u>12,910.75</u>
9,750	Expenditure on Scientific Manpower Projects	
	- Schedule No.16	22,575.00
-	Advertisements on Scientific Manpower Projects	-
<u>9,750</u>		<u>22,575.00</u>

Prof. K.N. Senoviratne
Vice Chairman

National Science Council of Sri Lanka

Dr. R.C. de Silva

Acting Secretary-General

National Science Council of Sri Lanka

NATIONAL SCIENCE COUNCIL OF SRI LANKA
JOURNAL TRADING & PROFIT & LOSS A/C. FOR THE YEAR ENDING 31ST DECEMBER 1976

	Rs.	Rs.	Rs.
For the year ended 31-12-1975	Rs.	Rs.	Rs.
	<u>3,536</u>		4,849.33
Sales, Exchanges & Complimentaries			
Less: Stock as at 1st January 1976	1,886		
Art Paper (1st Consignment)	15,280	17,267.43	
Art Paper (2nd Consignment)	17,866	2,111.50	
White Printing	4,440	<u>2,799.30</u>	
Manilla Board	2,799		22,778.23
Journals - Schedule No. 17	25,105		35,082.25
Reprints	20,337		<u>772.40</u>
ADD: Expenditure on Production	460		58,632.88
Purchase of Art Paper	45,902	157.50	
Purchase of White Printing	-		
Purchase of Manilla Board	-		
Cost of Printing Journal & Reprints	-		
Volume 2 No. 2	-		
" 3 No. 1	8,310.00		
" 3 No. 2	-		
Cost of Printing instructions to Authors	-		
Sundry Costs - Translations	410.00		
Designing	-		
Transport	<u>100.00</u>	8,977.05	
Cost of Exchange & Complimentaries	1,909.62		
Postage	<u>137.90</u>		
		<u>2,047.52</u>	
			<u>11,024.57</u>
			69,657.45
			4,849.33

C / F

Rs.

63,877

957
330
15,980
17,267
2,712
2,408
391
5,511
35,082
772
35,854
58,632
5,245
(1,709)

B / F

Less: Stock as at 31st December 1976

Art Paper (1st Consignment)
 (Stock with Printer)
 (2nd Consignment)

White Printing
 Marilla Board (Stores)
 (With Printer)

Journals -- Schedule No. 17
 Reprints

Rs .Cts Rs .Cts Rs .Cts
 957.20 15,339.20 69,657.45 4,849.33

14,382.00
 4,989.00
 2,335.76
72.24
 7,397.00
 42,165.88

64,902.88
4,755.37
93.96

Profit to be transferred to Goodwill on Sales & Exchanges

NATIONAL SCIENCE COUNCIL OF SRI LANKA
OTHER COUNCIL PUBLICATIONS TRADING & PROFIT & LOSS ACCOUNT
FOR THE YEAR ENDED 31ST DECEMBER 1976

		<u>LOCAL IMPORTED</u>		<u>TOTAL</u>
As at		<u>PAPER</u>	<u>PAPER</u>	<u>Rs. Cts.</u>
31-12-75	<u>DIRECTRY OF SCIENTIFIC & TECHNICAL PERSONNEL IN SRI LANKA</u>	Rs. Cts.	Rs. Cts.	Rs. Cts.
1,655	Sales, Exchanges & Complementaries	116.18	59.27	175.45
-	Stock on 01-01-1976	286.80	157.08	443.88
	<u>Less: Cost of Production</u>			
760	Paper	-	-	-
611	Printing Charges(Covers) & Binding	-	-	-
434	Stencils	-	-	-
312	Ink(Duplicating)	-	-	-
25	Designing(Covers)	-	-	-
-	Postage	-	-	12.15
2,142		286.80	157.08	456.03
1,415	<u>Add : Cost of Exchanges & Complementaries</u>	26.18	39.27	65.45
3,557		312.98	196.35	521.48
443	<u>Less: Stock as at 31-12-1976</u>	219.88	78.54	298.42
3,114	Schedule No.18			
1,459	Goodwill on Sales & Exchanges	93.10	117.81	223.06
		23.08	(58.54)	(47.61)

DIRECTORY OF SCIENTIFIC RESEARCH PROJECTS IN SRI LANKA-1970-73

Rs. 3,528 Sales, Exchanges & Complementaries

- Stock on 01-01-1976

Less: Cost of Production

4,408	Paper	-	-	-	-
1,150	Stencils	-	-	-	-
780	Ink (Duplicating)	-	-	-	-
975	Printing Charges (Covers) & Binding	-	-	-	-
50	Designing (Cover)	-	-	-	-
-	Postage	-	-	-	7.35
7,363		2,341.44	1,471.17	-	3,819.96
3,498	Add: Cost of Exchanges & Complementaries	32.52	103.24	135.76	
10,861		2,373.96	1,574.41	3,955.72	
3,812	Less: Stock as at 31-12-1976	2,243.88	1,316.31	3,560.19	
7,049		130.08	258.10	395.53	

(3,521) Profit to be transferred to Goodwill on sales, Exchanges & Complementaries

<u>LOCAL PAPER</u>	<u>Rs. cts</u>	<u>IMPORTED PAPER</u>	<u>Rs. cts</u>	<u>TOTAL</u>	<u>Rs. cts</u>
	92.52		319.40		411.92

	<u>LOCAL PAPER</u>	<u>IMPORTED PAPER</u>	<u>TOTAL</u>		
	<u>Rs. cts</u>	<u>Rs. cts</u>	<u>Rs. cts</u>		
	2,341.44	1,471.17	3,812.61		

(37.56) 61.30 16.39

NATIONAL SCIENCE COUNCIL OF SRI LANKA
VIDURAMA TRADING & PROFIT & LOSS ACCOUNT

FOR THE YEAR ENDED 31-12-1976

Rs .cts
2,317.57

Sales, Exchanges & Complementaries

Less: Expenditure on Production

Printing, Paper & Block Charges

Volume 1 No. 1

1,440.00

Volume 1 No. 2

1,747.98

Volume 1 No. 3

1,840.00

5,027.98

Cost of Complementaries & Exchanges

1,909.57

Postage

80.35

1,989.92

7,017.90

Less: Stock as at 31-12-1976 - Schedule No. 18

Volume 1 No. 1

391.68

Volume 1 No. 2

800.28

Volume 1 No. 3

1,232.80

2,424.76

4,593.14

(2,275.57)

Goodwill on Sales, Exchanges & Complementaries

NATIONAL SCIENCE COUNCIL OF SRI LANKA

ENVIRONMENTAL MANAGEMENT IN SRI LANKA TRADING & PROFIT & LOSS A/C FOR THE YEAR ENDED

31ST DECEMBER 1976

	Rs	Cts	Rs	Cts
Sales, Exchanges & Complementaries				608.00
<u>Less: Expenditure on Production</u>				
Printing, Paper & Block Charges etc.	4,125.00			
<u>Add : Cost of Exchanges & Complementaries</u>		528.00		
		4,653.00		
<u>Less: Stock as at 31st Dec. 1976 - Schedule No.18</u>		3,514.50		1,138.50
Goodwill on Sales, Exchanges & Complementaries				<u>(.530.50)</u>

CURRENT FOREIGN SCIENCE SERIALS IN SRI LANKA LIBRARIES TRADING & PROFIT & LOSS

ACCOUNT FOR THE YEAR ENDED 31ST DECEMBER 1976

	Rs	Cts	Rs	Cts
Sales, Exchanges & Complementaries				656.76
<u>Less: Expenditure on Production</u>				
Duplicating, Paper Costs etc.	555.00			
<u>Add : Complementaries & Exchanges</u>		337.50		
		892.50		
<u>Less: Stock as at 31st December 1976 - Schedule No.18</u>		123.75		768.75
Goodwill on Sales, Exchanges & Complementaries				<u>(111.99)</u>

NATIONAL SCIENCE COUNCIL OF SRI LANKA
MAN & HIS ENVIRONMENT TRADING & PROFIT & LOSS ACCOUNT

FOR THE YEAR ENDED 31ST DECEMBER 1976

Sales, Exchanges & Complementaries	Rs. Cts
	464.71
<u>Less: Expenditure on Production</u>	
Duplicating, Paper Costs etc.	400.50
<u>Add: Cost of Exchanges & Complementaries</u>	<u>205.59</u>
	606.09
<u>Less: Stock as at 31st Dec. 1976 -- Schedule No.18</u>	<u>85.44</u>
	<u>520.65</u>
	<u>(55.94)</u>

Goodwill on Sales, Exchanges & Complementaries

SCIENCE POLICY & PLANNING TRADING PROFIT & LOSS ACCOUNT

FOR THE YEAR ENDED 31ST DECEMBER 1976

Sales, Exchanges & Complementaries	Rs. Cts
	430.02
<u>Less: Expenditure on Production</u>	
Duplicating, Paper Cost etc.	638.65
<u>Add: Cost of Exchanges & Complementaries</u>	<u>280.90</u>
	919.55
<u>Less: Stock as at 31st Dec. 1976 -- Schedule No.18</u>	<u>275.60</u>
	<u>643.95</u>
	<u>(213.93)</u>

Goodwill on Sales, Exchanges & Complementaries

NATIONAL SCIENCE COUNCIL OF SRI LANKA

S & T PERIODICALS DIRECTORY TRADING & PROFIT & LOSS ACCOUNT

FOR THE YEAR ENDED 31ST DECEMBER 1976

	Rs	Cts
Sales, Exchanges & Complementaries		541.63
Less: <u>Expenditure on Production</u>		
Duplicating, Paper Cost etc.	616.25	
<u>Add: Complementaries & Exchanges</u>	<u>68.00</u>	
	684.25	
<u>Less: Stock as at 31st Dec. 1976 - Schedule No. 16</u>	<u>369.75</u>	
		<u>314.50</u>
Profit to be transferred to Goodwill on Sales, Exchanges & Complementaries		<u>227.13</u>

SCHEDULE NO. 1

NATIONAL SCIENCE COUNCIL FUND

Rs. Cts

Balance as at 31st December 1976

571,304.69

Add : Excess of Income over expenditure on
UNISIST Conference

1,650.14

Scientific & Laboratory Equipment out
on loan - Schedule No.1(a)

79,469.20

81,119.34

652,424.03

SCIENTIFIC & LABORATORY EQUIPMENT OUT ON LOAN

Grant No.	E q u i p m e n t	Foreign Currency	Reference No.	Rupce Equivalent	FEECs	T O T A L
				Rs cts	Rs cts	Rs cts
RG/75/25	1 Combination Electrode 1 Multiple Dialyzer	US \$ 243.39	BRUD 14/7331	1,967.88	1,173.90	3,141.78
RG/75/36	1 Bench Lamp 1 UV Tube 2 Heating Mantles	£ 104.00	BRS 14/8188	1,699.59	1,058.85	2,758.44
RG/76/28	1 Rotovapor R/A 200 1 Stand 1 Evaporating & Receiving Flask	Sw. Fr. 1,228	BRSF 15/3391	5,180.78	2,694.25	7,875.03
RG/76/30	Fraction Collector Auto Timer Collector Plate Meas. Syphon Tube 5WR -do- 10WR Samples Collecting Tube	£ 458.40	BRS 15/5266	7,265.20	4,668.30	11,933.50
"	1 Column K 26/100 1 Adaptor A/26 1 Reservoir 1x10 M Tubing 1x2 Tubing Connector	Sw. Cr. 1,095	BRSX 15/3612	2,392.42	1,018.55	3,410.97
RG/76/7	Dispenser Amber Glass Plankton Net Vibratory Microshaker Combination Electrode Time Switch	DM. 1,562	BRDM 15/4828	5,670.11	3,485.95	9,156.06
				24,175.98	14,099.80	38,275.78

C / F

Grant No.	Equipment	Foreign Currency	Reference No	Rupee Equivalent Rs. Gs.	FTECs Rs. Gs.	TOTAL Rs. Gs.
RG/76/11	B / F 150 Matt Disintegrator } 19 mm. T. I. Probe } 9.5 mm. -do- } Batch Treatment Vessel } 100 ml. HR Tube } 20 ml. -do- } 50 ml. -do- } 20-50ml. Cap 9.5 mm. } 100 ml. -19mm. Probe Cap } Nephelometer Head } Univalve Type 200 } Test Tubes } Stand }	£ 918.90	BRS 15/5640	24,175.98	14,099.80	38,275.78
"		£ 421.00	-	6,047.27	4,194.45	10,241.72
RG/76/27	Double Coil Galvanometer	DCL 1257.00	BPDF 15/6616	4,950.69	2,603.90	7,554.59
				49,432.70	30,036.50	79,469.20

C R E D I T O R S

			Rs .Cts
Auditor General	..	..	4,500.00
Ceylon Electricity Board		..	871.78
Post Master General	..	..	1,561.15
Felix Pereira & Son	..	..	1,351.26
N. S. C. Staff (Overtime)		..	1,305.20
N. S. C. Staff (Overtime) C. S. C.		..	3,751.95
Sea View Hotel	..	..	921.60
B. M. I. C. H.	..	..	11,895.00
Lake House	..	..	930.00
Hotel Lanka Oberoi	..	..	63,913.90
Hotel Suisse Kandy Grand Hotel		..	1,827.10
N.S.C. Welfare & Recreation Club		..	469.50
Colombo Catholic Press	..	..	1,840.00
UNESCO (Dr. Varshney)	..	..	1,000.00
Lanka Furnishing House (Library Furniture)		..	2,296.25
Deputy Treasurer - RG/76/27		..	10,000.00
Colonel C. Nigawela	..	..	3,409.96
Katubedde Press	..	..	8,467.05
Prepayments to Council Publications-Schedule No.2(a)			<u>479.43</u>
			<u>120,791.13</u>

FUNDS RECEIVED AS PREPAYMENTS FOR
COUNCIL PUBLICATIONS

	Rs .Cts
Sundrying Methodology Report	10.00
Vidurawa	12.00
Journal of the National Science Council	<u>457.43</u>
	<u>479.43</u>

SCHEDULE NO. 3

FUNDS TO THE CREDIT OF CONTINUING RESEARCH PROJECTS

	Rs .Cts	Rs .Cts	Rs .Cts
<u>Provided in 1973</u>			
Grant No.			
2/RG/72/12	1,423.49		
2/RG/72/24	1,225.34		
2/RG/72/38	<u>1,000.00</u>	3,648.83	
2/RG/73/18	202.40		
2/RG/73/19	<u>1,000.00</u>	1,202.40	4,851.23
<u>Provided in 1974</u>			
2/RG/72/30	<u>1,150.00</u>	1,150.00	
2/RG/74/3	1,800.00		
2/RG/74/18	12,250.00		
2/RG/74/31	<u>1,000.00</u>	15,050.00	16,200.00
<u>Provided in 1975</u>			
NCSA/1/17/51	12,000.00		
NCSA/1/17/52	<u>749.38</u>	12,749.38	
2/RG/72/3	2,600.00		
2/RG/72/5	<u>825.00</u>	3,425.00	
2/RG/73/16	<u>1,610.00</u>	1,610.00	
2/RG/74/1	247.50		
2/RG/74/4	5,930.00		
2/RG/74/15	566.10		
2/RG/74/19	12,300.00		
2/RG/74/28	<u>2,140.58</u>	28,184.18	45,968.56
			<u>67,019.79</u>

SCHEDULE NO. 4

PROVISION FOR RESEARCH GRANTS OUT OF 1976 ALLOCATION

Projects awarded in 1976 - Schedule No.4(a)	226,603.21
2nd Year allocation in 1976 - Schedule No.4(b)	325,790.21
Projects awarded prior to 1976-Schedule No.4(c)	<u>12,140.48</u>
	<u>564,533.90</u>

PROVISIONS FOR PROJECTS AWARDED IN 1976

Grant No.	Res. Asst./ Personnel	Equipment		Consumables		Travel	Other	FEECs	TOTAL
		Foreign	Local	Foreign	Local				
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
RG/76/1	6,706.00	-	-	1,500.00	2,754.30	2,264.15	-	990.00	14,214.45
2	317.00	3,200.00	492.00	-	4,446.92	646.00	482.00	2,000.00	11,583.92
3	1,082.60	5,375.00	-	-	1,500.00	500.00	-	4,144.00	13,601.60
4	5,371.60	3,350.00	-	3,000.00	2,605.75	2,476.00	1,450.00	1,205.80	19,459.15
5	-	-	-	-	-	-	-	-	-
6	6,210.00	2,000.00	-	226.69	8,000.00	2,000.00	96.00	1,241.75	19,774.44
7	(578.00)	-	-	(2,776.75)	2,481.62	540.90	-	(1,405.95)	(1,838.18)
8	950.00	-	-	500.00	141.60	61.65	250.00	325.00	2,228.25
9	2,500.00	-	-	520.00	1,887.00	500.00	100.00	-	5,607.00
10	5,053.99	-	-	-	1,777.50	-	-	-	6,831.49
11	1,400.00	(677.22)	-	3,312.73	6,500.00	1,500.00	(17.25)	5,774.65	17,792.91
12	7,800.00	4,500.00	-	-	1,000.00	1,000.00	-	2,925.00	17,225.00
13	7,800.00	(1,635.09)	-	2,000.00	1,000.00	1,000.00	500.00	592.15	9,257.06
14	13,400.00	-	-	-	1,500.00	416.00	-	-	15,316.00
15	-	-	-	-	300.00	4,516.90	-	-	4,816.90
16	840.00	-	-	-	550.00	600.00	50.00	-	2,040.00
17	4,340.00	-	800.00	-	743.10	1,000.00	-	-	6,883.10
18	720.00	-	-	125.00	350.00	690.00	450.00	81.00	2,416.00
19	3,500.00	-	-	468.00	750.00	750.00	-	-	5,000.00
20	3,500.00	188.00	-	-	2,000.00	1,000.00	1,250.00	427.00	8,933.00
21	2,947.25	-	-	-	-	1,000.00	-	-	3,947.25
22	-	-	-	-	9,000.00	-	-	-	9,000.00
23	-	-	-	-	-	(2,702.30)	-	-	(2,702.30)
24	-	948.75	-	-	1,500.00	100.00	100.00	460.80	3,109.55
25	-	-	-	825.40	-	-	-	1,014.00	1,839.40
26	250.00	-	-	1,325.02	-	1,000.00	1,000.00	620.10	4,195.12
27	-	-	-	70.82	-	100.00	-	(1,214.25)	10,852.57
28	3,325.97	9,896.00	2,000.00	-	649.13	856.00	-	(399.10)	2,709.17
29	1,396.68	(1,722.83)	-	-	450.00	3,500.00	-	-	5,346.68
30	7,800.90	(3,131.62)	-	1,761.00	876.15	50.00	100.00	(291.85)	7,163.68
	86,733.09	23,290.99	3,292.00	12,857.91	51,763.07	24,365.30	5,810.75	18,490.10	226,603.21

SCHEDULE NO. 4(b)

PROVISION FOR BALANCE FUNDS ON GRANTS AWARDED IN 1975

Grant No.	Res. Asst./ Personnel	Equipment		Consumables		Travel	Other	Fees	Total Provision for 1976	Provision for 1975	Expenditure for 1976	TOTAL
		Foreign	Local	Foreign	Local							
	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts
RG/75/1	7,800.00	-	-	-	3,000.00	2,000.00	100.00	-	12,900.00	10,122.50	9,013.70	14,008.80
2	6,000.00	-	-	-	2,500.00	2,000.00	500.00	-	11,000.00	8,269.20	7,061.95	12,207.25
3	9,800.00	-	-	1,000.00	2,200.00	2,500.00	880.00	650.00	17,030.00	4,150.04	15,767.71	5,412.33
4	19,640.00	-	-	2,000.00	12,500.00	1,000.00	2,500.00	-	37,640.00	6,210.96	21,641.71	22,209.25
5	-	-	-	-	-	-	-	-	-	4,695.05	5,579.10	(884.05)
6	7,800.00	-	-	-	3,000.00	2,000.00	-	-	12,800.00	13,400.00	3,918.00	22,282.00
7	14,160.00	-	-	-	2,300.00	2,400.00	-	-	18,860.00	3,945.42	4,707.91	18,097.51
8	21,360.00	-	-	-	6,000.00	-	-	-	27,360.00	16,815.02	9,200.65	34,974.37
9	10,380.00	-	3,000.00	-	1,000.00	3,000.00	-	-	17,380.00	15,230.42	8,464.93	24,145.49
10	-	-	-	3,000.00	1,000.00	1,000.00	-	-	5,000.00	13,350.00	264.38	18,085.62
11	-	-	-	-	-	-	-	-	-	2,000.00	-	2,000.00
12	-	-	-	-	-	-	-	-	-	6,676.81	5,463.37	1,213.44
13	-	-	-	-	-	-	-	-	-	6,242.19	6,278.68	(36.49)
14	6,600.00	-	-	-	4,500.00	300.00	450.00	-	11,850.00	601.61	10,188.53	2,263.08
15	-	-	-	-	-	-	-	-	-	2,500.00	-	2,500.00
16	-	-	-	-	-	2,000.00	500.00	-	2,500.00	1,666.75	3,381.03	785.72
17	14,400.00	-	-	-	-	1,500.00	-	-	15,900.00	6,630.65	8,987.10	13,543.55
18	-	-	-	-	-	-	-	-	-	3,787.60	2,250.30	1,537.30
19	-	-	-	-	-	-	-	-	-	18,026.25	12,658.17	5,368.08
20	-	-	-	470.00	1,800.00	600.00	700.00	300.00	3,870.00	2,820.00	87.50	6,602.50
21	250.00	-	-	-	2,750.00	500.00	1,500.00	-	5,000.00	4,996.40	681.75	9,314.65
22	-	-	-	-	-	-	-	-	-	2,626.95	-	2,626.95
23	-	-	-	-	2,500.00	3,600.00	3,400.00	-	9,500.00	9,800.00	-	19,300.00
24)	-	-	-	-	-	-	-	-	-	3,590.88	4,981.65	(1,390.77)
30)	-	-	-	-	-	-	-	-	-	-	-	-
31)	-	-	-	-	-	-	-	-	-	5,862.97	6,401.45	(538.48)
25	-	-	-	-	-	-	-	-	-	-	-	-
C/F	118,190.00	-	3,000.00	6,470.00	45,050.00	24,400.00	10,530.00	950.00	208,590.00	174,017.67	146,979.57	235,628.10

SCHEDULE NO. 4(b) Cont'd

Grant No.	Res. Asst./ Personnel	Equipment		Consumables		Travel	Other	Fees	Total Provision for 1976	Provision for 1975	Expenditure for 1976	TOTAL
		Foreign	Local	Foreign	Local							
B / F	118,190.00	-	3,000.00	6,470.00	45,050.00	24,400.00	10,530.00	950.00	208,590.00	174,017.67	146,979.57	235,628.10
RG/75/26	-	-	-	3,000.00	5,000.00	200.00	-	1,800.00	10,000.00	8,000.00	7,174.69	10,825.31
27	-	-	-	80.00	350.00	250.00	400.00	-	1,800.00	1,950.00	1,402.65	345.57
28	720.00	-	-	-	-	-	-	-	-	1,680.00	-	3,750.00
29	-	-	-	-	-	-	-	-	-	-	-	1,680.00
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	900.00	-	-	-	100.00	100.00	-	-	11,100.00	1,600.00	946.75	1,753.25
33	250.00	-	-	-	3,500.00	750.00	500.00	-	5,000.00	14,750.00	10,702.00	9,048.00
34	-	-	-	-	-	-	-	-	-	7,400.00	-	7,400.00
35	-	-	-	-	-	-	-	-	-	4,402.02	6,513.89	(2,111.87)
36	7,800.00	-	-	-	3,000.00	1,000.00	-	-	11,800.00	5,112.35	10,500.92	6,351.43
37	1,300.00	-	-	-	8,500.00	5,000.00	-	-	14,800.00	3,525.85	17,495.24	830.61
38	400.00	-	-	-	400.00	200.00	450.00	-	1,450.00	663.88	-	2,123.88
39	-	-	-	-	-	-	-	-	-	4,339.90	1,508.00	2,831.90
40	-	-	-	-	-	-	-	-	-	2,947.20	-	2,947.20
41	-	-	-	-	-	500.00	1,300.00	-	1,800.00	3,984.80	3,745.75	2,039.95
42	7,800.00	-	-	-	-	-	750.00	-	7,800.00	4,438.00	7,600.00	4,638.00
43	-	-	-	-	-	-	-	-	750.00	486.15	861.60	374.55
44	-	-	-	-	-	-	-	-	-	2,480.10	829.60	1,650.50
45	7,800.00	-	-	-	-	-	-	-	7,800.00	3,600.00	874.13	10,525.87
46	7,800.00	-	-	-	-	-	-	-	7,800.00	3,600.00	7,800.00	3,600.00
47	7,800.00	-	-	-	-	-	-	-	7,800.00	7,500.00	-	15,300.00
48	7,800.00	-	-	-	-	-	-	-	7,800.00	3,000.00	5,850.00	4,950.00
	168,560.00	-	3,000.00	9,550.00	65,900.00	32,400.00	13,940.00	2,750.00	296,100.00	260,535.00	230,844.79	25,790.21

SCHEDULE NO. 4(c)

PROVISION FOR PROJECTS AWARDED PRIOR TO 1976

<u>AWARDED</u>	<u>GRANT NO.</u>	<u>TOTAL COMMITMENT FOR 1976</u>		<u>DISBURSEMENT</u>	<u>BALANCE AS AT</u>
		<u>Rs</u>	<u>Cts</u>			Rs	Cts
Prior to 1972	NSCA/1/17/31	3,000.00		1,639.52	1,360.48
In 1972	2/RG/72/36	4,200.00		4,200.00	-
	2/RG/72/39	3,780.00		-	3,780.00
In 1974	2/RG/74/9	7,000.00		-	7,000.00
	2/RG/74/26	12,000.00		12,000.00	-
	2/RG/74/29	3,900.00		3,900.00	-
		<u>33,880.00</u>		<u>21,739.52</u>	<u>12,140.48</u>
<u>MAB / Project 3</u>					
	1976 Allocation	23,951.85			
	1976 Provision	<u>26,048.15</u>			
		50,000.00			
	Add: Balance of 1st. Jan. 1976	<u>11,400.89</u>			
		<u>61,400.89</u>		<u>47,982.47</u>	<u>13,418.42</u>

SCHEDULE NO.5

PROVISION FOR INDIGENOUS &
EXOTIC PLANTS PUBLICATION

	Rs	Cts
Grant Received	150,000.00	
<u>Less : Expenditure</u>	<u>8,955.00</u>	
	<u>141,045.00</u>	

SCHEDULE NO.6

GOODWILL ON SALES & EXCHANGES
ON COUNCIL PUBLICATIONS

	Rs	Cts
Balance B/F	9,459.07	
Directory of Scientific & Technical Personnel in Sri Lanka	47.61	
Vidurawa	2,275.57	
Man & His Environment	55.94	
Science Policy & Planning	213.93	
Environmental Management	530.50	
Current Foreign Science Serials in Sri Lanka Libraries	<u>111.99</u>	
	12,694.61	
<u>Less: Directory of Scientific Research Projects in Sri Lanka - 1970/1973</u>	16.39	
S & T Periodicals Directory	227.13	
Journal of the National Science Council	<u>93.96</u>	
	<u>337.48</u>	
	<u>12,357.13</u>	

SCHEDULE NO.7

STOCKS

	Rs	Cts
White Printing for Annual Report		573.50
Consumables		1,987.42
Stationery		63,435.13
Art Paper - 1st Consignment	957.20	
2nd Consignment	<u>14,382.00</u>	
		15,339.20
White Printing for Journal		4,989.00
Manila Board - With the Printer	72.24	
- Stores	<u>2,335.76</u>	
		2,408.00
Journal of the National Science Council - Schedule No.17		42,165.88
Other Publications - Schedule No.18		<u>10,652.41</u>
		<u>141,550.54</u>

SCHEDULE NO.8

DEBTORS

	Rs	Cts
Distress Loans		13,940.31
Bicycle Loans		4,773.85
Festival Advance		980.00
Vehicle Loan		19,600.00
C. S. C. (Advertising)		19,550.00
Material Loan		724.96
Man & the Biosphere (Mahaweli Project)		600.00
Ministry of Industries & Scientific Affairs		1,000.00
3rd Asian Symposium on Medicinal Plants & Spices		4,409.96
Indian High Commission re C.S.C. Delegates		289.00
Cash Imprests held by Research Grantees -		
Schedule No.8(a) - 1975	17,774.55	
1976	<u>15,500.00</u>	
		33,274.55
Advance to Welfare Society		<u>2,423.21</u>
		<u>101,565.84</u>

CASH IMPREST WITH GRANTEES

<u>RESEARCH GRANT NO.</u>		<u>AMOUNT</u> Rs .Cts
2/RG/75/ 1	..	500.00
2	..	500.00
3	..	500.00
4	..	1,500.00
5	..	900.00
7	..	500.00
8	..	500.00
9	..	500.00
13	..	500.00
14	..	500.00
18	..	500.00
19	..	500.00
20	..	500.00
21	..	500.00
23	..	500.00
24	..	500.00
25	..	200.00
26	..	500.00
28	..	500.00
29	..	500.00
32	..	500.00
33	..	300.00
34	..	500.00
36	..	500.00
37	..	500.00
38	..	500.00
39	..	500.00
40	..	500.00
41	..	500.00
43	..	374.55
44	..	500.00
		<u>16,274.55</u>
M A B Project 3	..	<u>1,500.00</u>
		<u>17,774.55</u>

SCHEDULE NO. 8(a)
Cont'd.

CASH IMPREST WITH GRANTEEES

<u>RESEARCH</u> <u>GRANT NO.</u>		<u>AMOUNT</u>
		Rs. Cts
2/RG/76/1	..	500.00
2	..	500.00
3	..	1,000.00
4	..	500.00
6	..	500.00
7	..	1,500.00
8	..	500.00
9	..	500.00
11	..	500.00
15	..	3,500.00
16	..	500.00
17	..	500.00
18	..	500.00
21	..	500.00
23	..	500.00
24	..	500.00
26	..	500.00
27	..	500.00
28	..	500.00
29	..	500.00
30	..	500.00
NSCA/1/17/31	..	500.00
		<u>15,500.00</u>

SCHEDULE NO. 9

PREPAYMENTS

	Rs .Cts
Postmaster General	2,076.50
Brown & Co.Ltd.	150.00
Post Master General(Frinking Machine)	1,473.44
Registrar of Motor Vehicles	118.75
Insurance Corporation of Sri Lanka	760.38
	<u>4,579.07</u>

SCHEDULE NO. 10

DEPOSITS

	Rs .Cts
Post Master General(Telephone)	1,030.00
Govt. Publications Bureau	1,500.00
Felix Pereira & Son	100.00
Cargo Boat Despatch Co.Ltd.	7,464.94
	<u>10,094.94</u>

SCHEDULE NO. 11

INTEREST RECEIVED

	Rs .Cts
Interest on Distress Loan	1,949.53
" on Bicycle Loan	527.01
" on Advance to Welfare Society	162.73
" on Meterial Loan re C.S.C.	12.49
" on Loan given re Scholarship	85.31
" on Vehicle Loan	780.00
	<u>3,617.07</u>

SCHEDULE NO. 12

ANALYSIS OF SUNDRY EXPENSES

	Rs .Cts
Delivery Allowance	480.00
First Aid Supplies	93.24
Misc. Repairs	16.50
Maintenance of Building	287.25
Bicycle Repairs & Maintenance	174.60
Miscellaneous	512.30
Tailoring Charges of uniforms to Watchers, Drivers and Conservency Labourers etc.)	155.00
Consumables	726.08
Membership fees for Seminars & Courses	325.00
Subsistances	161.95
Sundry repairs & maintenance of cars	558.85
Transport Charges	320.00
Printing & Publications	204.00
Incidental Expenses	64.30
Maintenance of Furniture & Fittings	100.00
Cable Charges(Overseas)	198.10
Telephone repairs	60.00
Legal Charges	350.00
Wages for carpenters	162.00
Parcel clearing at G.P.O.	36.00
Gardening	116.50
Pest Control	178.00
	<u>5,279.67</u>

SCHEDULE NO. 13

DEPRECIATION

	<u>Rate</u>	<u>Amount</u> Rs .Cts
Buildings	10%	12,685.41
Office Equipment & Furniture	20%	49,685.96
Motor Car	20%	22,223.42
Bicycle	25%	29.96
Sports Equipment	20%	300.80
Accessories & Miscellaneous	20%	3,174.18
Scientific & Laboratory Equipment out on loan	20%	15,893.84
		<u>103,993.57</u>

EXPENDITURE ON GRANTS AWARDED IN 1976

Grant No.	Res. Asst./	Equipment		Consumables		Travel	Other	FTEECs	TOTAL
		Foreign	Local	Foreign	Local				
	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts	Rs. Cts
RG/76/1	5,414.00	-	-	445.70	-	235.85	-	-	6,095.55
2	3,283.00	-	1,008.00	553.08	-	354.00	18.00	-	5,216.08
3	6,717.40	-	-	-	-	-	-	-	6,717.40
4	3,858.40	-	-	1,144.25	-	24.00	-	3,294.20	8,320.85
5	-	-	-	-	-	-	-	-	-
6	1,590.00	-	-	-	-	-	4.00	1,758.25	6,125.56
7	8,478.00	-	-	2,718.38	-	959.10	-	3,485.95	21,618.18
8	10,450.00	-	-	858.40	-	188.35	-	-	11,496.75
9	5,200.00	-	-	593.00	-	-	-	-	5,793.00
10	2,746.01	-	-	3,222.50	-	-	-	-	5,968.51
11	5,200.00	14,717.22	-	6,047.27	-	-	117.25	13,685.35	39,767.09
12	-	-	-	-	-	-	-	-	-
13	-	6,135.09	-	-	-	-	-	3,632.85	9,767.94
14	2,200.00	-	-	-	-	84.00	-	-	2,284.00
15	-	-	-	-	-	3,483.10	-	-	3,483.10
16	-	-	-	456.90	-	-	-	-	-
17	1,060.00	-	-	-	-	-	-	-	1,516.90
18	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-
21	6,175.00	-	-	3,227.75	-	-	-	-	9,402.75
22	-	-	-	-	-	-	-	-	-
23	2,100.00	-	-	-	-	26,602.30	-	-	28,702.30
24	-	26.25	-	-	-	-	-	174.20	200.45
25	-	-	-	-	734.60	-	-	-	734.60
26	-	-	-	-	74.98	-	-	289.90	364.60
27	-	14.00	-	-	5,263.18	-	-	11,122.25	16,399.43
28	3,274.03	6,722.83	-	350.87	-	144.00	-	3,649.10	14,140.83
29	2,603.32	-	-	-	-	-	-	-	2,603.32
30	-	9,669.62	-	1,463.85	-	-	-	5,686.85	16,820.32
	70,349.16	37,285.01	1,008.00	20,870.09	15,034.68	32,074.70	139.25	46,778.90	223,539.79

SCHEDULE NO. 15

EXPENDITURE ON OTHER M. A. B. PROJECTS

		Rs .Cts
MB/71/1	...	3,850.00
MB/71/3	...	1,575.00
MB/71/5	...	<u>7,485.75</u>
		<u>12,910.75</u>

SCHEDULE NO. 16

EXPENDITURE ON SCIENTIFIC MAN POWER PROJECTS

		Rs .Cts
6/PSG/74/5	...	6,600.00
6/PSG/74/6	...	4,275.00
6/PSG/74/7	...	3,250.00
6/PSG/74/8	...	<u>8,450.00</u>
		<u>22,575.00</u>

SCHEDULE NO. 17

STOCK OF THE JOURNAL OF THE NATIONAL SCIENCE COUNCIL

<u>Description</u>	<u>1st January 1976</u>		<u>31st December 1976</u>	
		Rs .Cts		Rs .Cts
Vol.1 No.1		3,386.40		3,266.05
Vol.1 No.2		9,218.95		8,891.65
Vol.2 No.1 A.P.	1,262.04		A.P. 978.89	
W.P.	<u>6,021.56</u>	7,283.60	W.P. <u>5,971.10</u>	6,949.99
Vol.2 No.2 A.P.	1,467.44		A.P. 1,246.44	
W.P.	<u>5,790.65</u>	7,258.09	W.P. <u>5,728.00</u>	6,974.44
Vol.3 No.1 A.P.	1,518.66		A.P. 1,295.58	
W.P.	<u>6,416.55</u>	7,935.21	W.P. <u>6,172.11</u>	7,467.69
Vol.3 No.2	-		A.P. 1,439.10	
	-		W.P. <u>7,176.96</u>	8,616.06
		<u>35,082.25</u>		<u>42,165.88</u>

STOCKS OF OTHER COUNCIL PUBLICATIONS

	<u>Imported</u>	<u>Local</u>	<u>Total</u>
	Rs .Cts	Rs .Cts	Rs .Cts
Directory of Scientific & Technical Personnel in Sri Lanka - 1974	<u>219.88</u>	<u>78.54</u>	298.42
Directory of Scientific Research Projects in Sri Lanka-1970/73	<u>2,243.88</u>	<u>1,316.31</u>	3,560.19
Vidurawa - Vol. 1 No. 1	391.68		
Vol. 1 No. 2	800.28		
Vol. 1 No. 3	<u>1,232.80</u>		
			2,424.76
Man & His Environment			85.44
Science Policy Planning			275.60
Environmental Management in Sri Lanka			3,514.50
Current Foreign Science Serials			123.75
S & T Periodicals			<u>369.75</u>
			<u>10,652.41</u>

CERTIFICATE OF THE AUDITOR GENERAL

The accounts of the National Science Council of Sri Lanka for the year ended 31st December 1976 were audited under my direction in pursuance of Section 90(1) of the constitution of Sri Lanka read in conjunction with Section 13(1) of the Finance Act, No. 38 of 1971.

My observations of these accounts which should be published in terms of Section 14(2) (c) of the Finance Act, No. 38 of 1971 are contained in my report of even date addressed to the Chairman of the Corporation/Board.

Sgd.

Actg. Auditor General

Audit Office

Colombo 7.

1977-11-24

My Ref.C-18/National Science
Council/1976.
No. 9, Gregory's Mawatha,
Colombo 7.

24th November 1977

The Chairman
National Science Council

Auditor General's Report on the Accounts of the National Science
Council of Sri Lanka for the year ended 31st December 1976

The appended Report is forwarded by the Auditor General in
terms of the Finance Act No. 38 Section 13 (7) (A) of 1971.

Sgd: Auditor General

- cc: 1. Secretary, Ministry of Industries & Scientific Affairs
2. Secretary, Ministry of Finance

My Ref: C-18/National Science
Council/1976

Auditor General's Department
Torrington Square,
Colombo 7.

24th November 1977

The Chairman
National Science Council

Auditor General's Report of the Accounts of the National Science
Council of Sri Lanka for the year ended 31st December 1976

The Accounts of the National Science Council of Sri Lanka for the year ended 31st December, 1976 were audited under my supervision, in terms of Section 90 (1) of the Constitution of the Government of Sri Lanka and Finance Act No. 38 Section 13(1) of 1971.

In terms of Section 14 (2) (c) of Finance Act my report is given in the following paragraphs.

2:1 Opinion

It is my opinion that the Accounts have been prepared on the basis adopted during the previous year in keeping with generally accepted accounting principals subject to the observations given in this report in paragraph 2:4

2:2 Financial Results

According to the Accounts for the year ended 31st December 1976, the Expenditure over income was Rs. 6,91,497. The corresponding amount in the preceeding year was Rs. 5,82,970.

During the year the amount expended on Research Projects through the Council were Rs. 8,63,591. The corresponding amount in the preceeding year was Rs. 7,53,465. The comparable Income and Expenditure for 1975 and 1976 and the Expenditure for Special Projects are shown below.

(a) Income and Expenditure

<u>Expenditure</u>	Year 1976		Year 1975	
	Rs.	Rs.	Rs.	Rs.
Research Studentships & Fellowships	30,135		47,300	
Conferences	8,712		20,467	
Other Expenditure of the Council	75,016		27,902	
Staff Emoluments	345,224		314,846	
Expenditure on Office Management	103,170		75,876	
Depreciation	103,994		80,906	
Salaries of the Documentation Centre Staff & E.P.F.	<u>29,967</u>		<u>19,215</u>	
		6,96,218		5,86,512
<u>Less:</u>				
<u>Income</u>				
Interest on Loans & Advances	3,617		3,279	
Other Income	<u>1,104</u>		<u>263</u>	
		4,721		3,542
Expenditure over Income		<u>6,91,497</u>		<u>5,82,970</u>

(b) Expenditure on Special Research

<u>Projects</u>	Year 1976	Year 1975
Approved Projects	780,123	670,431
MAB Programme	60,893	73,284
Scientific Manpower Project	<u>22,575</u>	<u>9,750</u>
	8,63,591	7,53,465

2:3 Financial Structure

Financial Structure for 31.12.76 and 31.12.75

<u>is listed below</u>	<u>as at 31.12.76</u> Rs.	<u>as at 31.12.75</u> Rs.
Council Fund as at 1st January	5,71,305	7,31,209
Add: (Deduct) Adjustments	81,119	(250)
Adjustments caused by changing depreciating Scheme		88,598)
Treasury Deposits shown erroneously in 1974 Accounts	6,52,424	(15,000) (1,03,848) 6,27,361
Government Aid	7,22,500	5,00,000
Research Funds recalled	-	15,620
Payment arising out of Bond	-	11,294
	<u>13,74,924</u>	<u>5,26,914</u> <u>11,54,275</u>
Less: Expenditure over Income	6,91,498	5,82,970
	6,83,426	5,71,305
Add: Special Research Funds	5,59,443	5,87,681
	<u>12,42,869</u>	<u>11,58,986</u>
<u>Utilizations</u>		
Fixed Assets (Net Book value)	3,47,502	2,91,153
Add: Current Assets	17,89,234	12,99,285
Less: Current Liabilities	8,93,867	8,95,367
	<u>12,42,869</u>	<u>4,31,452</u> <u>8,67,833</u> <u>11,58,986</u>

2.3.1 Funds : Sources and the utilization of Funds for the period under review is in the following statement.

	Rs.	Rs.	Rs.
Cash and Bank balance as at 1st January 1976			11,20,108
<u>Add:</u>			
Government Grant		15,22,500	
<u>Less:</u>			
Nett Operational Expenditure (before Depreciation)	5,60,434		
Special Research Project Expenditure	8,93,559	(14,53,993)	68,507
			<u>11,88,615</u>
<u>Less:</u>			
Utilization for Fixed Assets			<u>77,975</u>
			11,10,640
Net increase in working capital (Note 1)			<u>4,20,081</u>
			<u>15,30,721</u>

Cash and Bank Balances as at 31st Dec. 1976

<u>(Note 1)</u>	<u>Source</u>	<u>Utilization</u>
Increase in stocks		43,044
Increase in debtors		26,025
Payment in advance		1,480
Deposits		8,065
Welfare		724
Creditors	81,442	
UNISIST Conference	100	
Projects in operation	45,545	
Allocation for projects 1976	230,810	
Allocation on publications on Medicinal Plants Symposium	141,045	
Income suspense	477	
Net increase in working Capital		<u>420,081</u>
	<u>499,419</u>	<u>499,419</u>

2:4 Comments on Accounts

Given below are observations on the financial results and financial structure and interpretation.

2:4:1 Salaries and emoluments - Rs. 3,05,525/-

Rs. 1,750/- has been included in Salaries and emoluments, which is a payment made to officers in the Council for work done in addition to their official work. In terms of conditions of service all these officers they are bound to do any other work assigned by the Secretary General. Therefore this payment cannot be treated as a justifiable payment in the audit. Also, these officers have not worked any additional hours, apart from their normal duty calls and the audit could not ascertain on what basis this payment was made.

2:4:2 Maintenance of Motor Car - Rs. 21,990/-

Rs. 9,812/- a segment of expenses under above was met, neither, calling for Tenders or any other form of applications. This repair was not forwarded to the approved agents before meeting the expenses.

2:4:3 Cash at hand - Rs. 6,687/-

This represents a balance remaining as a result of Commonwealth Science Council Conference held in Sri Lanka between 29.11.1976 and 16.12.1976. This comprises of cash as at 31.12.1976, balance remaining on disbursements to officers engaged in the conference. The balances have been closed as at January 1977, except for a sum of Rs. 795/- which has been closed in August, 1977. The delay in recalling the cash Imprest for Officers were caused by not adopting a proper accounting system.

2:4:4 Building - Rs. 1,26,854/-

This is the Capital Expenditure spent on alterations and improvements to the Building at Maitland Place. A Capital Expenditure of Rs. 33,636/- has been recorded during the year under review. The retained balance has

been made without obtaining a certificate of completion from the Contractor to the satisfactory completion of the contract laid down by the conditions and principles of the contract.

The Building has not been vested to the Council by the owner, Minister of Industries & Scientific Affairs.

2:4:5

Debtors - Rs. 1,01,566/-

This comprises a balance of Rs. 19,600/- to be received by 31.12.1976, given as Vehicle Loans.

An Officer who was granted Rs. 15,000/- on 26.11.1974 as Vehicle Loan, has paid the balance payable on loan on 30.12.1976, and has taken Rs. 20,000/= as Vehicle Loan on that date. The following was brought to light relating to this vehicle.

2:4:5:1 The second payment has been received before the 5 years lapsed after receiving the first advance and this violated Circular No. 267 of the Ministry of Industries and Scientific Affairs.

2:4:5:2 Having received the second advance, the officer has not invested the monies to the related purpose for 9 months. Council has not taken any step regarding this.

2:4:5:3 This Officer on 5.9.1977 has requested permission to repair the vehicle presently in his use. There was no evidence of sanction given for this. It is evident by the findings, Council Officers have been allowed to use the Government funds improperly.

2:4:6

Annual Survey of Assets (Board of Survey)-

Council had not conducted a Board of Survey as at 31.12.1976 on the goods relating to the Fixed and Current Assets.

3. Office Personnel

- 3:1 An officer has been recruited to a non-existent post in cadre by creating a post outside the cadre during the period under review.
- 3:2 Appointments have been made for the post of Research Assistants during the year where as there were no financial allocation or approved scheme of recruitment for the purpose.
- 3:3 Post of Staff Assistant has been filled during the year under review. But, this Officer does not possess the basic educational qualifications required by the scheme of recruitment.
- 3:4 It was observed that an appointment has been made to the post of a Temporary Scientific Officer without a public advertisement. It was revealed that other staff changes were done keeping with the regulations. Council should take more interest to rectify the past shortcomings.

4. General

4:1 Research Scholarships

According to the information given by the Council, has granted 224 research scholarships between 1969 to 1976. It was found that 36 projects have been completed by September 1977, while 37 had been terminated and work was in progress in 151 projects. It is not possible to evaluate the benefit derived on the expenses incurred for Research Projects.

Sgd. Aotg. Auditor General

- c.c. 1. Secretary - Ministry of Industries & Scientific Affairs
2. Secretary - Ministry of Finance.

OBSERVATIONS OF THE COUNCIL ON THE AUDITOR GENERAL'S REPORT

2:4:1 Salaries and emoluments - Rs. 3,05,525/=

This refers to a payment of Rs. 1750/= made to two Watchers of the Council for the period 1969 to 1972. At that stage the Council was a small organization with very limited staff. There were no Machine Operators and Labourers attached to the Council at the time, and the two Watchers were required to attend to various jobs which would normally be done by a Labourer or a Machine Operator. They had made a request for overtime payment as they were on a 12 hour duty shift as Watchers during the period when they were attending to the other duties referred to above. The claim was rejected, and instead a much reduced ex gratia payment amounting to Rs. 1750/= was made to cover the 4 year period. The Ministry approval was obtained for this payments.

2:4:2 Maintenance of Motor Car - Rs. 21,990/=

The payment in question (Rs. 9,812/=) was made for extensive tinkering, repainting and mechanical repairs of Car No. 4 Sri 8625 which was bought from the Government Stores. When purchased, this car was not in running order, and the above work had to be attended to before it could be used.

For the work of the Council, it was necessary to repair this car with the least possible delay since taxis and sometimes also tourist cars (for the transport of foreign scientists) had to be hired.

The decision to deviate from tender procedure in this case was taken for the following reasons:

- (i) Tender procedure would have involved the preparation of a comprehensive estimate for repairs to the vehicle and this would have had to be done a competent and technically qualified person, and this would have taken time.

- (ii) Tendering Firms would not have been able to make a definite quotation particularly for the mechanical repair items and the tinkering.
- (iii) The mechanic who attended to repair work on the other National Science Council vehicle had offered to do the complete repair for what was considered to be a very reasonable sum. A good part of the cost of repair was actually spent for the purchase of spares required for the repair.

Although tender procedure was not followed (as the job had to be urgently attended to) the cost to the Council was considered to be fair and reasonable.

2:4:3 Cash at hand - Rs. 6,687/=

The delay in returning the sum of Rs. 795/= was due to the officer misplacing the receipts and documents re expenditure which he had prepared for settlement of accounts. These documents were found only in August 1977, while shifting the Administration Division from the 1st floor to the 2nd floor and steps were taken to settle the accounts immediately thereafter. The procedure now adopted is that cash imprests granted to members of the staff will have to be accounted for within 2 weeks of issue. As required by Audit a register of cash imprests is now being maintained.

2:4:4 Building - Rs. 1,26,854/=

The payment referred to is Rs. 33,636/= for the construction of an additional section to the National Science Council building.

The Buildings Department and the State Engineering Corporation had declined to undertake this construction as the job was too small. The bill of quantities was therefore prepared by the Buildings Department, and tenders were called by the National Science Council. District Engineer, Colombo South of the Department of Buildings, sat at the Tender Board on invitation when the tenders were evaluated.

Payments were made after ensuring that the work was satisfactorily completed, and the retention money was paid after three months when it was found that no defects had developed. This was in accordance with terms of the contract.

The National Science Council building was vested in the Council in early 1977.

2:4:5 Debtors - Rs. 1,01,566/=

The facts of the case as could be ascertained are as follows:

The Administrative Secretary of the National Science Council had obtained a loan of Rs. 15,000/= for the purchase of a car which was required by him for official travel. It was subsequently found by him that the car was unsatisfactory and he had decided to dispose of it and purchase a better car. He had accordingly made a fresh request for a loan of Rs. 20,000/= agreeing to refund the balance of his earlier loan before the fresh one is granted. This was approved by the Secretary General in view of the circumstances and a fresh loan of Rs. 20,000/= was granted after the balance of the earlier loan was paid back.

At this stage the Administrative Secretary found that he could not dispose of his old car for a reasonable sum as the car was a 2 seater which was for this reason not much in demand. He therefore decided to utilize the 2nd loan to repair his car, while at the same time settling the Bank overdraft which he had taken to pay back the balance of the first loan. The Administrative Secretary had informed the Secretary General in writing regarding this.

It is admitted that the Government Departmental procedures for the granting of vehicle loans had not been followed in this instance although the circumstances of the case were accepted as bonafide.

The procedure for granting vehicle loans would be reviewed by the Council and a definite procedure laid down which will be in accordance with the Government practices.

2:4:6 Annual Survey of Assets (Board of Survey) --

A Board of Survey appointed for this purpose as early as April 1977. But the survey had not been carried out till September when the Officers of the Auditor General's Department called over for the Annual Audit. Disciplinary action has been already taken against the Officer responsible. A complete Survey was carried out within a month of the audit inspection by a new Board of Survey and a Report has already been forwarded, to the Auditor General.

3. Office Personnel --

3:1, 3:2, 3:4 -- The appointments referred to had been made during the 6 months that the regular Secretary General was on leave out of the island. The present council has expressed strong disapproval of this action. ~~The correct procedure will be followed in future.~~

3:3 -- This was the post of Staff Assistant. Since the post in question was an administrative one, the Executive Committee had decided to allow Geography to be considered as a science subject, and to lay ~~greater emphasis on the administrative experience of the candidate.~~ The selected candidate had administrative experience of 5 years as against a minimum requirement of 3 years.

The present Council disapproves of the procedure followed. The correct procedure will be followed in future.

4. General --

The Council has not awarded 224 scholarships, but it has awarded 224 research grants.

It is agreed that it is not possible to carry out a benefit/cost analysis based on the monetary value of the benefits derived from research projects.

However, research projects funded by the Council help in the training of scientists locally while carrying out indigenous research work. Besides this, the value of scientific research on problems that have a local relevance cannot be disputed.

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