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DISPLAY COPY

A SOCIAL SCIENCE RESEARCH CENTRE PUBLICATION

BIBLIOGRAPHY
OF
SCIENTIFIC PUBLICATIONS
RELATING TO
SRI LANKA

1960 — 1976

COMPILED BY:-
N. A. W. A. T. Alwis

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NATIONAL SCIENCE COUNCIL OF SRI LANKA
47/5, Maitland Place,
Colombo-7.

1978

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N.A.W.A.T. Alwis

B.Sc.(Hon.)(Cey.), Dip. Lib.(Cey.)

Assistant Librarian,
University of Sri Lanka,
Peradeniya Campus.

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FOREWORD

A comprehensive bibliography of scientific publications relating to Sri Lanka will undoubtedly be an asset to scientific research workers in Sri Lanka.

It will also give an insight into the growth and branching out of scientific research in Sri Lanka into several new areas of activity during the past twenty years or so and help to identify priorities and gaps. As such it could prove to be an invaluable guide to policy-makers and administrators in formulating a research-oriented National Science Policy to meet the development needs of the country.

I am indeed happy that the Social Science Research Centre of the National Science Council has shown considerable foresight and initiative in undertaking this publication out of its limited funds. I understand that it is the first in a series of publications which the Centre hopes to undertake with the aim of stimulating scientific research in Sri Lanka.

Mr. N.A.W.A.T. Alwis, an Assistant Librarian attached to the Peradeniya Campus of the University of Sri Lanka, deserves to be congratulated on undertaking a venture of this magnitude in his spare time without any financial support. It is a commendable achievement by a young and dedicated research worker and I hope he will feel encouraged to continue doing good research work in the future.

It is, I believe, the first bibliography in the field of Natural Sciences, covering a very wide spectrum. As such there will be errors of omission and commission for which we seek your indulgence. I will go further and request you to bring all such errors to our notice immediately so that we can add a supplement next year thereby enhancing the value of this bibliography.

G.C.N. Jayasuriya

G.C.N. Jayasuriya

Secretary-General

National Science Council of Sri Lanka

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PREFACE

This work is intended to serve as a guide to the literature on pure sciences written by local scientists. Scientific literature relating to Sri Lanka written by foreign authors have also been included, but literature relating to applied sciences such as Agriculture, Forestry, Medicine, Veterinary Sciences and Technology has been excluded. This bibliography covers periodical articles, books, sections of books, leaflets, theses, standard specifications, abstracts in Western Languages (mainly English), and published between 1960 and 1976. Sections and significant parts in articles not dealing primarily with Sri Lanka, but having bearing on local scientific studies have also been included. Unpublished literature has been omitted except for few entries. However, unpublished theses presented to local and foreign universities have also been included. Book reviews and articles in newspapers have not been considered.

The subject arrangement is based on UDC (Universal Decimal Classification) system, and is outlined in the table of contents. An author index is given at the end. Entries carry full bibliographic details. The name of the author is recorded as it appears in the publication. In the case of articles in journals, the title is followed by the name of the journal. This is followed by the volume, number or part, month (when available), year and pagination. References to abstracts are denoted so within brackets.

Material for the bibliography had been collected mainly from personal contacts and from important libraries, namely University of Sri Lanka, Peradeniya Campus, Peradeniya; University of Sri Lanka, Colombo Campus, Colombo; University of Sri Lanka, Vidyodaya Campus, Gangodawila; British Council, Colombo; Ceylon Institute of Scientific and Industrial Research, Colombo; Fisheries Research Station of Sri Lanka, Colombo and Department of Geological Surveys, Colombo. All the locally published material has been personally checked by the compiler. It should also be mentioned that a fair percentage of material has been gathered from secondary sources, namely Aslib - Index to theses accepted for higher degrees in the

Universities of Great Britain and Ireland, Biological Abstracts, Chemical Abstracts, Helminthological Abstracts, Mineralogical Abstracts, Zoological Records, Ceylon Institute of Scientific and Industrial Research - List of papers, publications - CISIR scientists, May 1955 - June 1976, Colombo, The Institute, 1976; Goonetilleke, H.A.I. - A bibliography of Ceylon, Vol. I, II, III. Zug. (Switzerland), Inter-Documentation Co., 1970-76 and Shulman, F.J. - Doctoral dissertations on Sri Lanka (Ceylon) submitted to institutions of higher learning in the United States, Canada, Western Europe and Australia 1966 - 1974. Toronto, Association of Asian Studies, 1976.

It is hoped that this bibliography will be of use to scientists both in Sri Lanka and abroad. This is the compiler's maiden attempt at documenting scientific literature. It cannot, therefore, be claimed that the work is comprehensive and free of errors. The material was collected within a short period of five months. The compiler began his work somewhere in December last year and could spare only his free time while working in the University Library. Criticisms and suggestions on all aspects will be heartily welcome. Only with the close co-operation of our scientists and the users of this bibliography can this work be made as perfect and useful as it should be. It is hoped that with the co-operation from our scientists a supplementary list will be issued in the near future to make it complete.

Acknowledgement

It is with great pleasure that the compiler expresses his sincere thanks to all those who have encouraged and assisted him in the preparation of this bibliography. A special word of thanks is due to Mr. Richard Abrahams for typing the manuscript.

I am also grateful to the National Science Council for undertaking the publication of this bibliography.

N.A.W.A.F. Alwis

The Library,
University of Sri Lanka,
Peradeniya Campus.

19th December 1977.

GUIDE TO ABBREVIATIONS USED FOR PERIODICALS

Ann.Acad.Brasil.Cienc.	Anais da Academia Brasileira de Ciências (Brazil)
Ann.Parasit.Hum.Comp.	Annales de Parasitologie Humaine et Comparee (France)
Bull.Brit.Mus.(Nat.Hist.) Bot.	Bulletin of the British Museum (Natural History) Botany (England)
Bull.Brit.Mus.(Nat.Hist.) Ent.	Bulletin of the British Museum (Natural History) Entomology (England)
Bull.Brit.Mus.(Nat.Hist.) Geol.	Bulletin of the British Museum (Natural History) Geology (England)
Bull.Brit.Mus.(Nat.Hist.) Zool.	Bulletin of the British Museum (Natural History) Zoology (England)
Bull.Ent.Res.	Bulletin of Entomological Research (London)
Bull.Fish.Res.Stn.,Ceylon	Bulletin of the Fisheries Research Station Ceylon (Colombo).
Bull.Nat.Mus.,Singapore	Bulletin of the National Museum Singapore (Singapore)
Can.J.Chem.	Canadian Journal of Chemistry (Canada)
Can.J.Zool.	Canadian Journal of Zoology (Canada)
Cey.For.	Ceylon Forester (Colombo)
Cey.Geogr.	Ceylon Geographer (<u>formerly</u> Bulletin of the Ceylon Geographical Society) (Colombo).
Cey.J.Med.Sci.	Ceylon Journal of Medical Science (Colombo)
Cey.J.Sci.(Bio.Sci.)	Ceylon Journal of Science (Biological Sciences) (Peradeniya)
Cey.Today	Ceylon Today (Colombo)
Cey.Vet.J.	Ceylon Veterinary Journal (Ceylon)
Chem.Comm.	Chemical Communications (England)
Chem.Pharm.Bull.(Japan)	Chemical and Pharmaceutical Bulletin (Japan)
Eur.Polym.J.	European Polymer Journal (England)
Inorg.Chem.	Inorganic Chemistry (U.S.)
Inorg.Chim.Acta.	Inorganica Chimica Acta (Italy)
J.Amer.Chem.Soc.	Journal of the American Chemical Society (U.S.)
J.Cey.Br.Roy.Asianic Soc.	Journal of the Ceylon Branch of the Royal Asiatic Society (Colombo)
J.Cey.Met.Soc.	Journal of the Ceylon Meteorological Society (Colombo)
J.Chem.Educ.	Journal of Chemical Education (U.S.)
J.Chem.Phys.	Journal of Chemical Physics (U.S.)

- J.Chem.Soc. Journal of the Chemical Society (London)
- J.Chem.Soc.Chem.Comm. Journal of Chemical Society. Chemical Communications (England)
- J.Chem.Soc.Dalton Trans. Dalton Transactions (formerly Journal of the Chemical Society. Section A) (London).
- J.Chem.Soc.Faraday Trans. Journal of the Chemical Society. Faraday Transactions (London)
- J.Chem.Soc.Perkin Trans. Perkin Transactions (London)
- J.Electroanal.Chem. Journal of Electroanalytical Chemistry (Later Journal of Electroanalytical Chemistry (Amsterdam).
- J.Fish.Res.Bd.,Can. Journal of the Fisheries Research Board of Canada.
- J.Helminthol. Journal of Helminthology (England)
- J.Inorg.Nucl.Chem. Journal of Inorganic and Nuclear Chemistry (U.S.)
- J.Mar.Biol.Ass.India Journal of the Marine Biological Association of India (India)
- J.Mater.Sci. Journal of Materials Science (England)
- J.Nat.Educ.Soc.Ceylon Journal of the National Educational Society of Ceylon (Peradeniya)
- J.Nat.Sci.Coun.,Sri Lanka Journal of the National Science Council of Sri Lanka (Colombo)
- J.Parasit. Journal of Parasitology (U.S.)
- J.Sci.Industr.Res. Journal of Scientific and Industrial Research (India)
- J.Sri Lanka Met.Soc. Journal of the Sri Lanka-Meteorological Society (Colombo)
- Loris Loris : A Journal of Ceylon Wild Life (Colombo)
- Paranthan Chem.J. Paranthan Chemical Journal (Paranthan)
- Phyta Phyta : Journal of the Peradeniya Campus Botanical Society (Peradeniya)
- Planta Med. Planta Medica (W. Germany)
- Proc.-CAAS. Proceedings of the Ceylon Association for the Advancement of Science (Colombo)
- Proc. SLAAS. Proceedings of the Sri Lanka Association for the Advancement of Science (Colombo).
- Proc.Zool.Soc.London Proceedings of the Zoological Society of London (England)
- Q.J.Rubb.Res.Inst.,Ceylon Quarterly Journal of the Rubber Research Institute of Ceylon (Agalawatte)

Southeast Asian J. Trop. Med.
Public Health

Spectrochim. Acta.

Spectrosc. Lett.

Spol. Zeylan.

Sri Lanka For.

Tetrahedron Lett.

Trans. Faraday Soc.

Trans. Inst. Eng., Ceylon

Trop. Agr.

Univ. Cey. Rev.

Vidyodaya J. Arts. Sci. Lett.

v
Southeast Asian Journal of Tropical
Medicine and Public Health (Thailand)

Spectrochimica Acta (U.S.)

Spectroscopy Letters (U.S.)

Spolia Zeylanica : Bulletin of the National
Museums of Ceylon (Colombo)

Sri Lanka Forester (Colombo)

Tetrahedron Letters (U.S.) and (England)

Transactions of the Faraday Society (Later
Journal of the Chemical Society.
Faraday Transactions) (London).

Transactions of the Institute of Engineers,
Ceylon.

Tropical Agriculturist (Peradeniya)

University of Ceylon Review (Peradeniya)

Vidyodaya Journal of Arts Science and
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