ALA World Encyclopedia of Library and Information Services

ALA World Encyclopedia of Library and Information Services

ROBERT WEDGEWORTH

DONALD E. STEWART

JOEL M. LEE

MARILYN LITVIN

Editor

Managing Editor

Associate Editor

Assistant Editor

Indexing Editor

CAROL RANEY KELM

BARBARA CLEARY

CAROL SCHALK

Contributing Editor

Contributing Picture Editor

Production Manager and Designer

Contributing Editor for Production

SARAH ELIZABETH HOW

HARRIETT BANNER

VLADIMIR REICHL

Typographic Artist

KEITH MICHAEL FIELS, JOHN

ATKINSON, NORA DELL

Picture Researchers

EILEEN BRAUN, JANE LAGEN,

KEITH R. SCHLESINGER

Contributing Editorial Researchers

ROBERT J BERAN

Proofreader

Library of Congress Cataloging in Publication Data

Main entry under title

ALA world encyclopedia of library and information

SCEVICES

Editor R Wedgeworth

Includes mdex

1 Library science—Dictionaries 2 Information science-Dictionaries I Wedgeworth, Robert II American Library Association III. Title World encyclopedia of library and information services 80-10912 Z1006 A18 020.3ISBN 0-8389-0305-3

Copyright @1980 by the American Library Association All rights reserved No part of this publication may be reproduced in any form without permission in writing from the publisher, except by a reviewer who may quote brief passages in a review Printed in the United States of America Secord printing, March 1981

Editor's Preface

he idea of an ALA World Encyclopedia of Library and Information Services stems directly from the responsibility of a professional field to inform and educate its students, its practitioners, and the public about the interests and activities of the field. Efforts to fulfill this responsibility in the latter half of the 20th century have been severely hampered by the extraordinary growth and development of all fields of knowledge. Since understanding the significance of rapid, and sometimes dramatic, change requires periodic review and synthesis, the emergence of the idea upon which this work is based was inevitable.

The need for current information about the field of library and information services was addressed earlier by Donald E. Stewart, Managing Editor, and by the Editor when we created The ALA Yearbook, first published in 1976. This annual review of information about library events, activities, and personalities reached its fourth volume in 1979. When the initial discussions of an ALA Encyclopedia began in 1976, there was a clear realization that the Yearbook alone could not provide a proper historical context for many of the topics it covers. Background information essential for the comprehension of current issues and problems could not be provided in the Yearbook and usually did not appear in the literature that it summarized

From its inception the editors of the Yearbook sought an international perspective, but defining the breadth and scope of such coverage demands knowledge of the history as well as the present status and condition of libraries, archives, and other information services in many countries. For these basic reasons, an ALA Encyclopedia was conceived to provide an ordered synthesis of library and information services as they have developed throughout the world but with emphasis on North America. An editorial plan for the Encyclopedia was proposed to the ALA Publishing Committee and to a selected group of advisers for review in late 1977. Their comments resulted in a revised plan that guided the development of this work.

Several previously published works were helpful in planning this volume. Fritz Milkau's Handbuch der Bibliothekswissenschaft is one of the most comprehensive and scholarly encyclopedias of libraries ever published. Although much of its information about the history of libraries in ancient times is without equal, its topical arrangement and the lack of an English language translation render it less than accessible to many readers.

The Encyclopedia of Library and Information Science, edited by Kent, Lancour, and Daily, now in its 27th volume, is the most comprehensive current encyclopedia in the field. It is a work of very broad scope, covering technical, historical, and philosophical topics. Nevertheless, it has been affected by the dramatic growth and development of the field since its inception, resulting in some lack of comparability between information in earlier and later volumes. The Dictionary of American Library Biography, which consists of scholarly biographies of significant figures in the U.S. library world who are no longer living, set a high standard for the selection and presentation of biographical data quite useful in developing biographies for the ALA Encyclopedia.

An important distinction of the ALA Encyclopedia as it takes it place among earlier works is that, although initially conceived as a basic companion to the ALA Yearbook, the ALA Encyclopedia is an entirely new work. It is comparable in style but much broader in scope than the Yearbook. In one convenient volume, the ALA Encyclopedia seeks to explain fundamental ideas, record historical events and activities, and portray those personalities, living and dead, who

have shaped the field.

The editorial plan for the ALA Encyclopedia consists of six basic categories of articles:

- (1) There are structured articles about the status and condition of libraries with accompanying statistics provided by the contributor for 162 countries in the world. In addition other articles cover the history and role of libraries from ancient times to the present.
- (2) Nine articles cover the major types of institutions that deliver library and information services. These articles were directed by a principal contributor, in most cases with a team of contributors who wrote comprehensive articles exploring the purpose, characteristic services, clientele, and patterns of governance, finance, and administration of the institutions. They represent an editorial approach to comparative librarianship, in an attempt to discern commonalities and differences in these institutions and their practices as they exist in many countries.
- (3) Twenty-five articles explore the principles and practices of librarianship and information management, explaining and analyzing the fundamental processes and basic types of services to the many different client groups.

Editor's Preface

(4) Ten articles cover the field of education and research from early apprenticeship to formal library education.

(5) Twenty-eight articles describe the activities of significant international organizations, agencies, and associations not covered under individual countries.

(6) One hundred seventy-two biographical subjects from different places of the world and from different times were selected for inclusion from nominations made by the international advisory group. Among the editors' criteria for inclusion are: foundation of an important library, or a primary role in a major library's growth, development, and influence; author of seminal writings of great impact and lasting influence; leadership in the profession, including activity in professional associations; significant activity as a library educator; contribution to the theory of librarianship in any of the field's components; exemplary role as a practitioner, within any part of the profession; publisher of related books and periodicals; and leadership in important national and international bibliographic enterprises.

The articles, which are alphabetically arranged, vary in length from several hundred to more than a thousand words, providing enough space to treat significant aspects of each topic. One hundred forty-four statistical tables and 300 illustrations enliven and enrich the text.

Two editorial features merit special mention. Before determining the list of articles that would comprise this work, a complete outline of the fields of knowledge was constructed to guide the editors and advisers in initial planning. This approach made it possible to determine the breadth and scope of coverage for each historical topic and technical issue and ensured even geographic representation. It also provided a map that set the scope and limits of each article and that proved useful when provided to contributors. The editors believe the result is a work that achieves a maximum of coherence with a minimum of duplication. The Outline is presented in the following pages not only as a table of contents but also as a contribution toward a better understanding of the organization of knowledge in library and information services. The editors are aware that this is only one possible ordering of the topics covered, but it may have special significance for the reader seeking a systematic overview or the student pursuing a course of study.

The articles are complemented by an innovative Parallel Index that runs in the margins parallel to the

articles in the text. It expands access to the full resources of the 700,000-word volume, while supplementing the articles with additional information. Published in conventional format as the last element of the ALA Encyclopedia, it would occupy about 32 pages; it conserves paper and printing, therefore, while bringing together all related index citations and text articles.

The appearance of these references alongside the text may also stimulate interest in articles not initially sought by the reader but likely to provide relevant additional information on the topic of immediate interest. The Parallel Index arrangement, as far as the editors are aware, is the first of its kind in comparable reference works. Readers' comments are welcome.

No work of this kind could be accomplished without the collaboration of many colleagues around the world. Thirty-three editorial advisers participated, and 363 authors from about 145 countries contributed articles. The editors acknowledge with appreciation the difficulties many contributors had to overcome in order to meet the relatively tight publishing schedule. In several cases manuscripts were hand delivered for all or a part of the journey in order to obviate the problems of international mail. To obtain information which was otherwise unavailable, one contributor even ventured into an area where local hostilities were in progress. Selected for their knowledge, experience, and professional or scholarly achievements, they lend impressive authority to the ALA Encyclopedia.

This work represents a milestone in the collaborative work of the Editor and Managing Editor, who received invaluable assistance from Associate Editor, Joel M. Lee; Assistant Editor, Marilyn Litvin; Indexer, Carol Kelm; and many others.

If, as the editors believe, the ALA World Encyclopedia of Library and Information Services offers timely, accurate, comprehensive, and authoritative information in its field, that is more than adequate reason to commend it to librarians, students, public officials, and other readers interested in library and information services. If it, further, proves to be a successful instrument of education, the dedicated efforts of advisers, contributing editors, staff, and contributors will be appropriately rewarded.

ROBERT WEDGEWORTH

Editor

ALA Headquarters Chicago, Illinois January 2, 1980

Advisers

General Advisers

Simeon Babasanya Aje
Director, National Library of Nigeria, Lagos

Joseph Becker

President, Becker and Hayes, Los Angeles, California.

Rebecca T. Bingham

Director of Media Services, Jefferson County Public Schools, Louisville,

George S. Bobinski

Professor and Dean, School of Information and Library Studies, State University of New York at Buffalo, Buffalo, New York.

Shirley Echelman

Executive Director, Medical Library Association, Chicago, Illinois.

Kenneth C. Harrison

City Librarian of Westminster, London, England.

Edward Gailon Holley

Dean, School of Library Science, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Dan Lacy

Senior Vice-President, McGraw-Hill Book Co., New York, New York.

Herman Liebaers

Grand Marshal of the Court of Belgium, Royal Library. Brussels, Belgium.

Carol A. Nemeyer

Associate Librarian for National Programs, Library of Congress, Washington, D.C.

Marietta Daniels Shepard

former Chief, Library Development Program, Organization of American States, Bedford, Pennsylvania.

Robert Vosper

Professor, Graduate School of Library and Information Science, University of California at Los Angeles, Los Angeles, California.

Alfred Wagner

Archivdirector, Bundesarchiv, Koblenz, Federal Republic of Germany.

Regional Advisers

Hedwig Anuar

Director, National Library, Singapore. Asia

Amadou Alassane Bousso

Ecole de Bibliothecaires, Dakar, Senegal, Africa

Averill M. B. Edwards

Chief Selection Librarian, National Library of Australia, Canberra. Australia

Mohamed Mohamed El Hadi

Professor of Management Information Systems, National Institute of Management Development, Cairo, Egypt. Africa

Josephine Riss Fang

Professor, School of Library Science, Simmons College, Boston, Massachusetts. Asia

Juan R. Freudenthal

Professor, School of Library Science, Simmons College, Boston, Massachusetts. Ibero-America

Richard K. Gardner

Professor, Graduate School of Library and Information Science, University of California, Los Angeles. Western

William Vernon Jackson

Professor, Graduate School of Library Science, University of Texas, Austin, Texas Ibero-America

Ezekiel Enock Kaungamno

Director, Tanzania Library Service, Dar es Salaam, Tanzania. Africa

R. Brian Land

Director, Legislative Library of Ontario, Toronto, Ontario. Canada William Arthur Munford

Director-General, National Library for the Blind, Bredbury, Stockport, England Western Europe

John Ndegwa

University Librarian, University of Nairobi Library, Nairobi, Kenya. Africa

L. H. Ofosu-Appiah

Director, Encyclopaedia Africana Project, Accra, Ghana. Africa

Hans Panofsky

Curator of Africana, Northwestern University Library, Evanston,

Illinois. Africa Vladimir Popov

Deputy Director, "Cyril and Methodius" National Library, Sofia, Bulgaria. Eastern Europe

Luwarsih Pringgosdisurjo

Director, National Scientific Documentation Center (PDIN-LIPI), lakarta, Indonesia. Asia

Warren Tsuneishi

Director for Area Studies, Library of Congress, Washington, D.C. Asia

Natalya Tyulina

former General Director, The United Nations Library, New-York, New York. Eastern Europe

Margreet Wijnstroom

Secretary General, International Federation of Library Associations and Institutions, The Hague, Netherlands. Western Europe

Celia R. Zaher

Unesco, Paris, France. Ibero-America

Contributors

Shirley L. Aaron

Assistant Professor, School of Library Science, Florida State University. School, Libraries: Library Cooperation

K. I. Abramov

Professor, Moscow Institute of Culture, Moscow. Lev Naumovich Tropovsky

Ermelinda Acerenza

Director, University School of Library Science, Montevideo. Uruguay

Thomas Adams

John Carter Brown Library, Brown University, Providence, Rhode Island. Benjamin Franklin

Julio Aguirre-Quintero Library Consultant, Bogotá, Colombia. Bolivia

Simeon Babasanya Aje
Director, National Library of Nigeria, Lagos. Nigeria; F. Adetowun Ogunsheye

A. K. M. Shamsul Alam

Associate Professor and Chairman, Department of Library Science, University of Dacca, Dacca. Bangladesh

Mohammed M. Aman Dean, School of Library Science, University of Wisconsin-Milwaukee, Milwaukee, Wisconsin. Egypt, Arab Republic of

Margaret E. Anderson

Associate Professor, Faculty of Library Science, University of Toronto, Canada. George Herbert Locke

Hedwig Anuar

Director, National Library, Singapore. Singapore

Arie Arad

Deputy Director, Israel State Archives, Jerusalem, Israel. Archives: Technical

C. Wesley Armstrong
Director of Libraries, University of Liberia, Monrovia. Liberia

Augusta Baker

Former Coordinator of Children's Services, New York Public Library, Columbia, South Carolina. Anne Carroll Moore

F. W. G. Baker,

Executive Secretary, International Council of Scientific Unions, Paris. International Council of Scientific Unions

John P. Baker

Chief, Conservation Division, The New York Public Library, The Research Libraries, New York, New York. Conservation and Preservation of Library Materials

Leigh R. Baker

Deputy Librarian, Papua New Guinea University of Technology, Lae. Papua New Guinea

Kenneth G. B. Bakewell

Principal Lecturer, Department of Library and Information Studies, Liverpool Polytechnic, Liverpool, England. Shiyali Ramamrita Ranganathan

Lygia Maria F. C. Ballantyne Library of Congress Contract Representative, Port-au-Prince. Haiti

E. Bejide Bankole

University Librarian, University of Lagos, Lagos, Nigeria. Standing Conference of African University Librarians

Peggy Barber

Director, Public Information Office, American Library Association, Chicago, Illinois. Public Relations

Daniel W. Barthell

Head, Search Section, Northwestern University Library, Evanston, Illinois. Honduras

Toni Carbo Bearman

Special Projects Consultant, INSPEC, Institution of Electrical Engineers, London, England. Indexing and Abstracting

S. H. van den Berg
Department of Education, School Library Service, Windhoek. Namibia

Russell E. Bidlack

Dean and Professor, School of Library Science, University of Michigan, Ann Arbor, Michigan. Accreditation; Rudolph H. Gjelsness

Judy Yvonne Blackman

Senior Librarian, Public Library, Bridgetown. Barbados

George S. Bobinski

Professor and Dean, School of Information and Library Studies, State University of New York at Buffalo, Amherst, New York. Andrew Carnegie; Poland

Norbert Bonnici

Research Assistant, Bibliographic Services Division, the British Library London, England. Malta

Richard W. Boss

Management Consultant, Information Systems Consultants Inc., Boston, Massachusetts. Circulation Systems

Marie Elizabeth Bouscarle

Librarian, University Library, Libreville. Gabon

Naomi C. Broering

Medical Center Librarian, Georgetown University Medical Center, Washington, D.C. Medical Libraries: Laws and Legislation

Barry S. Brook

Executive Officer, Ph.D. Program in Music, Graduate School of the City University of New York, New York. New York. International Association of Music Libraries

Gloria Primm Brown

Program Associate, Carnegie
Corporation of New York, New York, New York. Frederick Paul Keppel

Kenneth R. Brown

Secretary General, International Federation for Documentation, The Hague, Netherlands. International Federation for Documentation

Robert E. Brundin

Associate Professor, Faculty of Library Science, The University of Alberta, Edmonton, Alberta, Canada. Justin Winsor

Harrison Bryan Librarian, University of Sydney, Sydney. Australia

Charles A. Bunge

Director, University of Wisconsin-Madison Library School, Madison, Wisconsin. Reference Services

Redmond A. Burke

Associate Professor, Department of Library Science, University of Wisconsin-Oshkosh, Oshkosh, Wisconsin. Saint Benedict; Cassiodorus

Clifford A. Burmester

Former Assistant National Librarian. National Library of Australia, Canberra. Sir John Ferguson; Edward Augustus Petherick

Henry Cummings Campbell

Director, Urban Libraries Study Project, Toronto Public Libraries, Toronto, Ontario. Canada. Public Libraries: Principal Contributor

Keva Valencia Čampbell Assistant Archivist, Public Records

Office, Nassau. Bahamas

Luisa Cárdenas Perez Director, Education Library, Ministry of Education, Managua. Nicaragua

Michael Carpenter

Library Consultant, Los Angeles, California. Seymour Lubetzky

Ray L. Carpenter
Associate Professor, School of Library Science, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina. Italy

Jane Robins Carter

*Associate Professor, Graduate School of Library Science, Louisiana State University, Baton Rouge, Louisiana. Library Education, Curriculum in

Genevieve M. Casey

Professor, Division of Library Science, Wayne State University, Detroit, Michigan. Public Libraries: Collections

Robert J. Casey

Deputy Librarian, Dublin, Dublin Corporation Central Library, Dublin. Ircland

Edwin Castagna

Former Director, Enoch Pratt Free Library, Baltimore, Maryland, Joseph Wheeler

·Cordelia Cavalcanti

Brasilia, Brazil. Maria Louisa Monteiro da Cunh<mark>a</mark>

Roderick Cave

Professor of Librarianship, Victoria University of Wellington, Wellington, New Zealand, Andrew Maunsell

Rosemarie Chaît

Research Attaché, National Library of Algeria, Algiers. Algeria

Peter Nkangafack Chateh

University Librarian, University of Yaoundé, Yaoundé. Cameroon

Marc Chauveinc

Director, Bibliothèque Nationale, Paris. France

Mary K. Chelton

Assistant Professor, Graduate School of Library and Information Studies, Rutgers University, New Brunswick. New Jersey, Margaret Clara Scoggin

Elin B. Christianson

Library Consultant, Hobart, Indiana. Special Libraries

Jean-Pierre Clavel

Director, Canton and University Library of Lausanne, Lausanne. Switzerland

Paul E. Cohen

Reference Librarian, Columbia University, New York, New York. Isadore Gilbert Mudge

John Y. Cole

Executive Director, The Center for the Book, Library of Congress, Washington, D.C. Archibald MacLeish; George Herbert Putnam; Ainsworth Rand Spofford

Jean Ellen Coleman

Director, Office for Library Service to the Disadvantaged, American Library Association, Chicago, Illinois. Joyce Lilieth Robinson

John P. Comaromi

Associate Professor, Graduate School of Library and Information Science. University of California at Los Angeles, Los Angeles, California. Melvil Dewey

Charles William Conaway

Assistant Professor, School of Library Science, Florida State University, Tallahassee, Florida. Iceland

Michael G. Cook

University Archivist and Lecturer in Archival Studies, University of Liverpool, Liverpool, England. Archives: Professional Training

leannette Fernández de Criado

Head Librarian, American School, San Salvador. El Salvador

Timothy J. Crist Editor, Wing S.T.C. Revision, Yale University Library, New Haven. Connecticut, Donald Goddard Wing

Maria Manuela Cruzeiro

Director, National Library of Lisbon, Lisbon, Portugal. Cape Verde; Guinea-Bissau; Portugal

Frank Kurt Cylke

Director, National Library Service for the Blind and Physically Handicapped, Library of Congress, Washington, D.C. Handicapped, Services to

Doris Cruger Dale

Professor, Department of Curriculum, Instruction and Media, Southern Illinois University, Carbondale, Illinois. Sarah Comley Norris Bogle

Phyllis I. Dalton

Library Consultant, Sacramento, California. Institutionalized, Services to

Evelyn H. Daniel

Associate Professor, School of Information Studies, Syracuse University, Syracuse, New York. School Libraries: Measurement and Evaluation

J. Periam Danton

Professor Emeritus, School of Library and Information Studies, University of California at Berkeley, Berkeley, California. Austria

Donald G. Davis, Jr.

Associate Professor, Graduate School of Library Science, University of Texas at Austin, Austin, Texas. Mary Wright Plummer

Anthony Debons

Professor and Vice Chairman, Interdisciplinary Department of Information Science, University of Pittsburgh, Pittsburgh, Pennsylvania. North Atlantic Treaty Organization

Andrew N. DeHeer

Director, Research Library on African Affairs, Accra, Ghana. Evelyn Evans

Rafael R. Delgado

Director, General Library, University of Puerto Rico, Río Piedras. Puerto Rico

Ellen Gay Detlefsen

Associate Professor, Graduate School of Library and Information Sciences University of Pittsburgh, Pittsburgh, Pennsylvania, Library Education, Curriculum in

Uthai Dhutiyabhodhi

President, Thai Libraries Association, Bangkok. Thailand.

Oumar Diouwara

Head Librarian, National Library, Nouakchott. Mauritania

Keith Doms

Director, Free Library of Philadelphia, Philadelphia, Pennsylvania. Ralph

Henry Dua-Agyemang

Sub-Librarian, Balme Library, University of Ghana, Legon, Accra. Chana

Michel Duchein

Inspector General of the Archives of France, Paris, France. Archives: Legislative Foundations

Winifred E. Duncan

Director, Bureau of Libraries, Chicago Public Schools, Chicago, Illinois. School Libraries: Collections

Domingos van Dunem

Director, National Library of Angola, Luanda. Angola

W. Lyle Eberhart

Assistant Superintendent, Division for Library Services, Wisconsin Department of Public Instruction, Madison, Wisconsin. State Library Agencies

Johanna Eggert

Department Chief, Deutsches Institut für Normung and ISO/TC 46-Documentation Secretariat, Berlin, Federal Republic of Germany International Organization for Standardization

Mohamed Mohamed El Hadi

Director, Management Information Center, National Institute of Management Development, Cairo Egypt. Bahrain; El Sayed Mahmoud El Sheniti; Iraq, Jordan; Kuwait; Oman; Qatar; Saudi Arabia; Syria; United Arab Emirates, Yemen (Aden); Yemen (S'Ana)

Roger H. Ellis

Secretary, Royal Commission on Historical Manuscripts, London, England. Sir Hilary Jenkinson

Hipólito Escolar-Sobrino

Director, National Library, Madrid.

John R. Turner Ettlinger

Associate Professor, School of Library Service, Dalhousie University, Halifay. Nova Scotia, Canada. Middle Ages, Libraries in the

Frank B. Evans

Paris, France. Archives: Internal Processing; Theodore R. Schellenberg

Jürgen Eyssen

Library Director, Stadtbibliothek. Hanover, Federal Republic of Germany. International Association of Metropolitan Cities Libraries

Elaine Fain

Assistant Professor, School of Library Science, University of Wisconsin-Milwaukee, Milwaukee. Wisconsin. Mary Eileen Ahern

Josephine Riss Fang

Professor, School of Library Science, Simmons College, Boston, Massachusetts. China, People's Republic of

E. A. Fenelonov

Deputy Director, the Lenin State Library, Moscow. Ogan Stepanovich Chubarian

Meyer H. Fishbein

Director, Military Archives Division, National Archives and Records Service, Washington, D.C. Archives: Current Records Management

Alice E. Fite

Executive Secretary, American Association of School Librarians, American Library Association, Chicago, Illinois. School Libraries: Cooperation

Richard Fitzsimmons

Director of the Library, Worthington Scranton Campus, Pennsylvania State University, Dunmore, Pennsylvania. Joshua Ballinger Lippincott

Marisol Floren

Bibliographer, Fondo para el Avance de las Ciencias Sociales, Dominican Republic

Georgij Polikarpovich Fonotov Deputy Chief, Library Directorate, U.S.S.R. Ministry of Culture, Moscow. Nadezhda Konstantinovna Krupskaya

Edson Nery da Fonseca

Professor, University of Brasília, Brasília. Brazil; Rubens Borba de Moraes

Vincent Forshaw

Director, Lesotho National Library Service, Maseru. Lesotho

Douglas John Foskett

Director of Central Library Services, University of London, London, England, Sir Frank Francis

Barbara Foster

Assistant Professor, Hunter College Library, New York, New York. Netherlands Antilles

Sir Frank C. Francis

Former Director and Principal Librarian, British Museum, London, England. Donald John Urguhart

Bernard M. Franckowiak

Associate Professor, School of Librarianship, University of Washington, Washington. School Libraries: Federal and State Administration, Governance, and Finance

C. Pippa Fray

Secretary, Commonwealth Library Association, Kingston, Jamaica. Commonwealth Library Association

Ruth S. Freitag

Associate Chief Bibliographer, Library of Congress, Washington, D.C. National Bibliographies

Yoshiko Moriya de Freundorfer

Director, School of Library Science, National University of Asunción, Asunción. Paraguay

Stephen E. Furth

Manhasset, New York. Hans Peter Luhn

Ervin I. Gaines

Director, Cleveland Public Library Cleveland, Ohio, William Howard Brett, Public Libraries: Finance and Administration

Ahmed M. Gallal

General Director, Garyounis University Libraries, Benghazi. Libya

Budd L. Gambee

Professor, School of Library Science, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina. Caroline Maria Hewins

Carmen Esteva de Garcia Moreno

Assistant Director of Libraries, Secretariat of Public Education, Mexico City. Mexico

Barbara Gates

Head, Catalog Department, Brown University Library, Providence, Rhode Island. Minnie Earl Sears

Mary V. Gaver

Professor Emeritus, Graduate School of Library Service, Rutgers University, Danville, Virginia. Ralph Robert Shaw

Stanley Gillam

Librarian, The London Library, London, England. Thomas Carlyle

Marion Gilroy

Associate Professor Emeritus, School of Librarianship, University of British Columbia, Vancouver, British Columbia, Canada. Elizabeth Homer Morton

Margaret Knox Goggin

Professor, Graduate School of Librarianship and Information Management, University of Denver, Denver, Colorado. Certification

Charles Goodrum

Former Chief, Office of Planning and Development, Library of Congress Alexandria, Virginia. National Libraries

Henry Alfred Ian Goonetileke

Librarian, University of Peradeniya, Peradeniya. Sri Lanka

Martha Gorman

Consultant, Boulder, Colorado. Colombia, Ecuador, Peru

Else Granheim

Director, Directorate for Public and School Libraries, Oslo. Norway

Chandler B. Grannis

Contributing Editor, Publishers Weekly, New York, New York, Daniel Melcher

Hans G. Gravenhorst

Director, Institute of Library Science, University of Buenos Aires. Argentina

D. E. Gray

Webridge, Surrey, England. International Association of Agricultural Librarians and Documentalists

Belver C. Griffith

Professor, School of Library and Information Science, Drexel University, Philadelphia, Pennsylvania. Eugene Garfield

Hans W. Groenewegen

Former Systems Analyst, International Nuclear Information System, Vienna, Austria. International Atomic Energy Association

Laurel A. Grotzinger

Dean and Chief Research Officer, The Graduate College, Western Michigan University, Kalamazoo, Michigan. Adelaide Rosalie Hasse; Katharin Lucinda Sharp

Aida Kassantini Hafez

Acting Head Librarian, Beirut University College, Beirut. Lehanon

Alfred D. Hagle

Public Resources Officer, National Library Service for the Blind and Physically Handicapped, Library of Congress, Washington, D.C. Handicapped, Services to

Robert E. Handloff

Doctoral Candidate, Northwestern University, Evanston, Illinois, Ivory Coast

Genevieve Sue Hariki

National Center for Documentation, Rabat. Morocco

Michael H. Harris

Professor, College of Library Science, University of Kentucky, Lexington, Kentucky. United States

Kenneth C. Harrison

City Librarian of Westminster, London, England. Douglas John Foskett; Lionel R. McColvin; William Charles Berwick Sayers; United Kingdom

Virginia Haviland

Chief, Children's Literature Center, Library of Congress, Washington, D.C. International Board on Books for Young People

Robert M. Hayes

Dean, Graduate School of Library and Information Science, University of California at Los Angeles, Los Angeles, California. Information Science Education

John B. Hench

Research and Publication Officer, American Antiquarian Society, Worcester, Massachusetts. John Franklin Jameson; Waldo Gifford Leland

Donald D. Hendricks

Director of the Library, University of New Orleans, New Orleans, Louisiana. J. Pierpont Morgan

Dan Henke

Professor of Law and Director of the Hastings Legal Information Center, University of California, San Francisco, California. Law Libraries: Services to Users

Joe A. Hewitt

Associate University Librarian, Technical Services, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina. Frederick Wilfrid Lancaster

Doralyn J. Hickey Professor, School of Library and Information Sciences, North Texas State University, Denton, Texas. Cataloguing; Paul Shaner Dunkin

H. van der Hoeven

Librarian, Royal Library, The Hague.

Haroid Holdsworth

Librarian, University of the South Pacific Library, Suva. Fiji

Edward Gailon Holley

Dean, School of Library Science, The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina. Lester Eugene Asheim; Charles Evans

Oliver W. Holmes

Former Executive Director, National Historical Publications and Records Commission, Washington, D.C. Philip May Hamer

Virginia H. Holtz

Director, Middleton Health Sciences Library, University of Wisconsin-Madison, Madison, Wisconsin. Medical Libraries: Measurement and Evaluation

List of Contributors

Norman Horrocks

Director, School of Library Service, Dalhousie University, Halifax, Nova Scotia, Canada. Library Education, Comparative

Kenneth W. Humphreys

Librarian, European University Institute, Florence, Italy. Ligue des Bibliothèques Européenes de Recherche

Kenneth E. Ingram

University Librarian, University of the West Indies, Kingston, Jamaica. Association of Caribbean University and Research Libraries

Toshio Iwasaru

Professor of Library Science, Kansai University, Kyoto, Japan. Keitaro Amano, Fujio Mamiya

Sidney L. Jackson

Professor of Library Science, Kent State University, Kent, Ohio (deceased). Alexandrian Library; Byzantine Libraries; Egypt (Ancient); Greece (Ancient); Near East (Ancient); Rome

William Vernon Jackson

Professor, Graduate School of Library Science, University of Texas, Austin, Texas. Seminar on the Acquisition of Latin American Library Materials

Roger F. Jacobs

Law Librarian, Supreme Court of the United States, Washington, D.C. Law Libraries: Law and Legislation

J. Myron Jacobstein

Professor of Law and Law Librarian, Stanford University Law School Library, Stanford, California. Law Libraries: Library Cooperation

Louis Sydney Jean-François

Head Librarian, Mauritius Institute, Beau-Bassin. Mauritius

Norman Johnson

Librarian and Secretary, National Free Library Service, Bulawayo. Zimbahwe Rhodesia

H. G. Iones

Curator, North Carolina Collection, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina. Ronald Diggs Wimberly Connor

Alma T. Jordan

Librarian, University of the West Indies. St. Augustine, Trinidad. Trinidud and Tobago

E. I. losey

Chief, Bureau of Specialist Library Services, New York State Education Department, Albany, New York. Eliza Atkins Gleason

Gladys M. Jusu-Sheriff

Librarian, Fourah Bay College, University of Sierra Leone, Freetown. Sierra Leone

Ivan L. Kaldor

Dean, School of Library and Information Science. State University of New York, College of Arts and Sciences, Geneseo, New York. Hungary

Margaret Kaltenbach

Associate Professor Emeritus, Case Western Reserve University, Cleveland, Ohio Jesse Hauk Shera

Lai-Bing Kan

University Librarian, The Chinese

University of Hong Kong, Kowloon. Hong Kong

David Kaser

Professor, Graduate Library School, Indiana University, Bloomington, Indiana. Frederick Gridley Kilgour; Keyes DeWitt Metcalf

Neal K. Kaske

Research Scientist, OCLC, Inc., Columbus, Ohio. Library and Information Science Research

Ezekiel Enock Kaungamno

Director, Tanzania Library Service, Dar es Salaam. Tanzania

Igor I. Kavass

Director, Vanderbilt University Legal Information Center, Nashville, Tennessee. International Association of Law Libraries

Dhan G. Keswani

Legon, Accra, Ghana. Jeremias Mama Akita

M. T. Khafagy

Director, Department of Documentation and Information (DDI), ALECSO, Dokki, Giza, Egypt. Arab League Educational, Cultural, and Scientific Organization

Sha'ban Khalifa

Assistant Professor, Department of Library Science and Archives, Cairo University, Giza. Egypt, Arab Republic of

Anis Khurshid

Professor of Library Science, University of Karachi, Karachi. Pakistan

Harry Mayanja Kibirige

Doctoral Candidate, University of Pittsburgh, Pittsburgh, Pennsylvania. Uganda

Mary E. Kingsbury

Associate Professor, School of Library Science, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina. Effie Louise Power

Firmin Kinigi

Chief Librarian, University of Burundi, Bujumbura. Burundi

Preben Kirkegaard Rector, The Royal School of Librarianship, Copenhagen. Denmark

Philip A. Knachel

Associate Director, Folger Shakespeare Library, Washington, D.C. Henry Clay

Helena Kolářová

Head, Department of Libraries, Ministry of Culture of the Slovak Socialist Republic, Bratislava. Czechoslovakia

Alpha Oumar Konare

Minister of Arts and Culture, Bamako.

Cecile E. Kramer

Northwestern University School of Medicine, Chicago, Illinois. Medical Libraries: Collections

Joe W. Kraus

Director, Illinois State University Library, Bloomington, Illinois. Robert Bingham Downs

Miroslav Krek

Lecturer in Bibliography, Brandeis

University, Waltham, Massachusetts. Islamic Libraries

Larba Ali Krissiamba

Chief, Interafrican Committee for Hydraulic Studies, Documentation Center, Ouagadougou, Upper Volta

D. W. Krummel

Professor of Library Science, University of Illinois, Urbana, Illinois. Conrad Gesner

N. H. Kulkarnee

Assistant Director of Archives. National Archives of India, Janpath, New Delhi, India. Sri Nandan Prasad

Anant Ramachandra Kulkarni

Professor and Head, Department of History, University of Poona, Poona, India. Vishwanath Kashinath Rajwade

A. W. Z. Kuzwayo

Librarian, University College of Swaziland, Kwaluseni. Swaziland

Luc Kwanten

Curator, Far Eastern Library, University of Chicago, Chicago, Illinois. Bhutan; Tibet

Alex Ladenson

Consultant, The Chicago Public Library, Chicago, Illinois. William Frederick Poole, Public Library Legislation

Fanny Lalande Isnarde

Editor, Cameroon Imprint, Douala, Cameroon, Congo, French Cultural Center Libraries: Guinea

F. Wilfrid Lancaster

Professor, Graduate School of Library Science, University of Illinois, Urbana, Illinois. Cyril W. Cleverdon

Charles T. Laugher Archivist, Dalhousie University, Halifax, Nova Scotia, Canada. Thomas Bray

Betty V. LeBus

Visiting Law Librarian and Professor of Law, University of Wyoming. Laramie, Wyoming. Law Libraries: Measurement and Evaluation

Pongsoon Lee

Director of Libraries, Ewha Womans University, Seoul. Korea, Republic of

Antje Bultmann Lemke

Professor, School of Information Studies, Syracuse University, Syracuse, New York. Library Education, Specialization in

Tze-chung Li

Professor, Rosary College Graduate School of Library Science, River Forest, Illinois; Former Director, National Central Library, Taipei. China, Republic

Herman Liebaers

Grand Marshall of the Court of Belgium, Royal Library, Brussels, Belgium. Margarita Ivanovna Rudomino

Patricia Pui Huen Lim

Librarian, Institute of Southeast Asian Studies, Singapore, Singapore. Congress of Southeast Asian Librarians

Emma Linares

Consultant, Buenos Aires, Argentina. Carlos Victor Penna; Josefa Emilia Sabor

Max Liniger-Goumaz

Professor, École Supérieure de

Commerce, Lausanne, Switzerland. Equatorial Guinea

R. W. Lont

Department of Librarianship, Ministry of Education and Community Development, Paramaribo. Suriname

John G. Lorenz

Executive Director, Association of Research Libraries, Washington, D.C. Lawrence Quincy Mumford

Jean E. Lowrie
Director, School of Librarianship, Western Michigan University, Kalamazoo, Michigan. International Association of School Librarianship; School Libraries: Principal Contributor

Richard A. Lyders

Executive Director, Houston Academy of Medicine, Texas Medical Center Library, Houston, Texas. Medical Libraries: Administration, Governance, and Finance

Beverly P. Lynch

University Librarian, University of Illinois at Chicago Circle, Chicago, Illinois. Academic Libraries: Principal Contributor

Mary Jo Lynch
Director, Office for Research, American Library Association, Chicago, Illinois. Public Libraries: Services to Users; Constance Mabel Winchell

Rodrick Mabomba

Director, Malawi National Library Service, Blantyre. Malawi

Elfrieda B. McCauley Coordinator of Media Services, Greenwich Public Schools, Greenwich, Connecticut. School Libraries: Services to Users

Donald R. McCoy

University Distinguished Professor of History, University of Kansas, Lawrence, Kansas. Solon Justus Buck; Wayne Clayton Grover

Mary Lynn McCree

Manuscript Librarian, University of Illinois at Chicago Circle, Chicago, Illinois, Ernst Posner

Stanley McElderry

Director, University of Chicago Library, Chicago, Illinois. Herman Howe Fussler

Neil McHugh

Doctoral Candidate, Northwestern University, Evanston, Illinois. Benin; Chad

Brian K. McKeon
City Librarian, Wellington Public Library, Wellington. New Zealand

Donald Bruce McKeon

Tallahassee, Florida. Jacque-Charles

Havnes McMullen

Professor, School of Library Science, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina. Richard Rogers Bowker

Marie A. McNamara

Former Consultant, Bureau of Libraries, Chicago Public Schools, Wilmette, Illinois. School Libraries: Collections

S. G. Malshe

Director of Postgraduate Studies S.N.D.T. Women's University, Bombay, India. Anant Kākbā Priolkar

K. A. Manley

Assistant Librarian, University of London Institute of Historical Research, London, England. Edward Williams Byron Nicholson

Julius J. Marke

Professor of Law and Law Librarian, New York University School of Law, New York, New York. Law Libraries: Principal Contributor

A. P. Marshall

Professor of Library Services, Eastern Michigan University, Ypsilanti, Michigan. Virginia Lacy Jones

David J. Martz, Jr.

Coordinator of Research Collections, Colonial Williamsburg Foundation, Williamsburg, Virginia. Peter Force

Morris Metze

Comisión Coordinadora SINASBI, National Library, Caracas. Venezuela

Ruby S. May

Associate Director, Regional Medical Library, Library of the Health Sciences, University of Illinois at the Medical Center, Chicago, Illinois, Medical Libraries: Library Cooperation

Jean Médioni

Associate Director, Bibliothèque Canton and University Library of Lausanne, Lausanne. Switzerland

Victor Ubaldo Mendieta Ortiz University of Panama, El Dorado.

Panama Francis L. Miksa

Associate Professor, Graduate School of Library Science, Louisiana State University, Baton Rouge, Louisiana. Charles Ammi Cutter; John Eaton

Marion A. Milczewski

Professor Emeritus, University of Washington School of Librarianship, Seattle, Washington. Carl Hastings Milam

Arthur H. Miller, Jr.

College Librarian, Lake Forest College. Lake Forest, Illinois. Collection Development

Marilyn L. Miller

Associate Professor, School of Library Science, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina. May Hill Arbuthnot; Children's Services

Betty Milum

Reference Librarian, Ohio State University, Lima, Ohio. Luther Evans

Thornton W. Mitchell

North Carolina State Archivist, Raleigh, North Carolina. Margaret Cross Norton

Margaret E. Monroe

Professor of Library Science, University of Wisconsin-Madison, Madison, Wisconsin. Adult Services; Douglas Waples

Nick Moore

Project Officer, Research and Development Department, the British Library, London, England. Public Libraries: Library Cooperation

René Moraga-Neira

Librarian, Santiago. Chile

William Arthur Munford

Director-General, National Library for the Blind, Bredbury, Stockport, England. George Birkbeck; James Duff Brown; Edward Edwards; John Passmore Edwards; John Young Walker MacAlister

Reuben Musiker

University Librarian, University of the Witwatersrand, Johannesburg. South Africa

John Ndegwa

University Librarian, University of Nairobi, Nairobi. Kenya

Diane M. Nelson

Cataloguer, Museum of Fine Arts. Boston, Massachusetts. Li Ta-Chao

Robert B. Nelson

President, Magazine Supply House, Boston, Massachusetts. Li Ta-chao

Sally P. C. N'Jie

Chief Librarian, National Library of The Gambia, Banjul. The Gambia Qasim Osman Nur

University of Khartoum, Khartoum Sudan

Eli M. Oboler

University Librarian, Idaho State University, Pocatello, Idaho Censorship and Intellectual Freedom

Wilhelm C.W. Odelberg
Head Librarian, Stockholm University with The Royal Swedish Academy of Sciences, Stockholm, Sweden. Scandinavian Association of Research

f.ihraries Felicia Adetowun Ogunsheye

Professor of Library Studies, University of Ibadan, Ibadan, Nigeria. Simeon Babasanya Aje

James G. Ollé

Lecturer, Department of Library and Information Studies, University of Technology, Loughborough, England. Louis Stanley Jast; Gabriel Naudé; Sir Anthony Panizzi; Ernest Albert Savage Robert W. Oram

Director, Central University Libraries, Southern Methodist University,

Dallas, Texas. Circulation Systems

Guillermo Palma R.

Librarian, Instituto de Nutricion de Centro America y Panama (INCAP), Guatemala City. Guatemala

Rita Pankhurst

Chief Librarian, City of London Polytechnic, London, England. Ethiopia

Nicholas C. Pano

Associate Professor of History, Western Illinois University, Macomb, Illinois. Albania

Anne Pellowski

Director, Information Center on Children's Cultures, U.S. Committee for UNICEF, New York, New York UNICEF

Verna E. Penn

Chief Librarian, Public Library, Road Town, Tortola. British Virgin Islands

Trudy Huskamp Peterson

Archivist, National Archives and Records Service, Washington, D.C. Archives: Education and Research

List of Contributors

Günther Pflug

Generaldirektor, Deutsche Bibliothek, Frankfurt am Main. Germany, Federal Republic of

Ursula G. Picache

Professor and Dean, Institute of Library Science, University of the Philippines, Quezon City, Philippines

Patricia Barbara Pieterse

Senior Librarian, Administration Library, Windhoek. Namibia

Harold T. Pinkett

Chief, Legislative and Natural Resources Branch, National Archives and Records Service, Washington, D.C. Archives: Services to Users

Irwin H. Pizer

University Librarian, University of Illinois at the Medical Center, Chicago, Illinois. Medical Libraries: Purpose

Peter Andrews Poole

Director, Center for International Studies, Old Dominion-University, Norfolk, Virginia. Laos

Angela I. Popescu-Brădiceni
Director, Biblioteca Centrală de Stat,

Bucharest. Romania

Vladimir Popov

Deputy Director, "Cyril and Methodius" National Library, Sofia. Bulgaria

Alain-Michel Poutou

Librarian, University of Bangui, Bangui, Central African Republic

Luella Powers, O.P.

Professor Emeritus, Rosary College Graduate School of Library Science, River Forest, Illinois. Carleton Bruns loeckel

Luwarsih Pringgoadisurjo

Director, National Scientific Documentation Center (PDIN-LIPI), Jakarta. Indonesia

T. S. Rajagopalan

Documentation Specialist, Mogadiscio. Somalia

T. N. Rajan

Scientist, Indian National Scientific Documentation Centre, New Delhi, India. B. S. Kesavan

H. Kay Raseroka

Senior Assistant Librarian, University Library, University College of Botswana, Gaborone. Botswana

Juliette R. Ratsimandrava

Secretary Generale, Office du Livre Malagasy, Antananarivo. Madagascar

Sheila G. Ray

Senior Lecturer, City of Birmingham Polytechnic, Birmingham, England. Young Adult Services

W. Boyd Rayward

Dean, Graduate Library School, University of Chicago, Chicago, Illinois. International Library and Bibliographic Organizations; John Wallace Metcalfe; Paul-Marie-Ghislain Otlet

Paulina M. Retana

Chief Librarian, Technological Institute of Costa Rica, Cartago. Costa Rica

James B. Rhoads

Former Archivist of the United States, National Archives and Records Service, Washington, D.C. International Council on Archives

Morris Rieger

Counselor to the President and Chairman, Committee on Archival Development, International Council on Archives, Bethesda, Maryland. Archives: Principal Contributor

Constance Rinehart

Professor, School of Library Science, University of Michigan, Ann Arbor, Michigan. Margaret Mann

David D. Roberson

Senior Filtration Engineer, James River Paper Company, Richmond, Virginia. William James Barrow

Jean Claude Roda

Director, Central Library of Prêt des Yvehries, Versailles, France. Seychelles

Frank Bradway Rogers

Librarian Emeritus, University of Colorado Medical Center, Denver, Colorado. John Shaw Billings

Samuel Rothstein

Professor, School of Librarianship, University of British Columbia, Vancouver, British Columbia. Canada; Elizabeth Homer Morton

James E. Rush

Division Director, Research and Development Division, OCLC, Inc., Columbus, Ohio. Library and Information Science Research

Paul Saenger

Bibliographer of Historical Studies, Northwestern University, Evanston, Illinois. Renaissance Libraries

William Saffady

State University of New York at Albany, Albany, New York. Micrographics

Armando Samper

Director General Emeritus, Inter-American Institute of Agricultural Sciences, Bogotá, Colombia. Daniel Samper Ortega

Diane Gail Saunders

Gavernment Archivist, Public Records Office, Nassau. Bahamas

C. James Schmidt

University Libratian, Brown University, Academic Libraries: Administration, Governance, and Finance

Hans G. Schulte-Albert

Associate Professor, School of Library and Information Science, University of Western Ontario, London, Ontario, Canada. Gottfried Wilhelm Leibniz

Moralitier D. Schwartz

Professor and Associate Dean for the Law Library, University of California at Davis, Davis, California. Law Libraries: Administration, Governance, and Finance

Edith Scott

Chief Instructor, Cataloging Instruction Office, Library of Congress, Washington, D.C. James Christian Meinich Hanson; Charles Martel

Vasilii Vasilievich Serov

Head, Library Directorate, the U.S.S.R. Ministry of Culture, Moscow. Union of Soviet Socialist Republics

Emmanuel Serugendo

Librarian National University of Rwanda, Butare. Rwanda

Shmuel Sever

Director of the Library and Library Studies, University of Haifa, Haifa. Israel

Russell Shank

University Librarian and Professor, University of California at Los Angeles, Los Angeles, California, Charles Coffin Jewett

Nasser Sharify

Dean and Professor, Graduate School of Library and Information Science, Pratt Institute, Brooklyn, New York.

Spencer G. Shaw.

Professor of Librarianship, School of Librarianship, University of Washington, Scattle, Washington. Augusta Baker

Marietta Daniels Shepard

Former Chief, Library Development Program, Organization of American States, Bedford, Pennsylvania. Organization of American States

Jesse H. Shera

Dean Emeritus, Case Western Reserve University, Cleveland, Ohio. Pierce Butler; Librarianship, Philosophy of

Gerald R. Shields

Assistant Dean and Associate Professor, School of Information and Library Studies, State University of New York at Buffalo, Amherst, New York. David Horace Clift

Ritva A. H. Sievänen-Allen

Librarian, Central Medical Library, Helsinki. Finland

Donald B. Simpson

Executive Director, Bibliographical Center for Research, Denver, Colorado. Bibliographic Networks

Mary I. A. L. Skiffington

Head Librarian, Bermuda Library, Hamilton. Bermuda

A. E. Skinner

Chemistry Librarian, The University of Texas at Austin, Austin, Texas. Halsey William Wilson

Elaine Sloan

Associate University Librarian, University of California at Berkeley, Berkeley, California. Academic Libraries: Library Cooperation

Geoffrey Smith

County Librarian, Quorn, Leicestershire, England. Frederick A. Thorpe

Wilfred Irvin Smith

Dominion Archivist, Public Archives of Canada, Ottawa, Ontario, Canada. Archives: Management

Soemartini

Director, National Archives of Indonesia, Jakarta, Indonesia. Harsya Wardhana Bachtiar

Jutta Sørenson

Lecturer, Royal School of Librarianship, Copenhagen, Denmark. Derek William Austin

Claud Glenn Sparks

Dean, Graduate School of Library

Science, The University of Texas at Austin, Austin, Texas. William Warner Bishop

Carl M. Spaulding

Consultant, Sunnyvale, California. Micrographics

Francis F. Spreitzer

University of Southern California, Los Angeles, California. Reprography

David H. Stam

The Andrew W. Mellon Director of The Research Libraries, The New York Public Library, New York, New York. Scholarly and Research Services

Garland L. Standrod

Information Outputs Coordinator, Agency for International Assistance, Washington, D.C. Nepal

Costas D. Stephanou

President, Cyprus Library Association, Nicosia. Cyprus

Yvonne Veronica Stephenson Chief Librarian, University of Guyana Library, Georgetown. Guyana

Gordon Stevenson

Associate Professor, State University of New York at Albany, Albany, New York. Karl Dziatzko

Elizabeth W. Stone

Chair, Graduate Department of Library and Information Science, The Catholic University of America, Washington, D.C. Continuing Professional Education in Librarianship

Reinaldo José Suárez

Technical Information Department, National Commission for Atomic Energy, Buenos Aires. Argentina; Domingo Faustino Sarmiento; Aurelio Zlatko Tanodi

Peggy Sullivan

Assistant Commissioner for Extension Services, The Chicago Public Library. Chicago, Illinois. Extension Services

F. William Summers

Dean, College of Librarianship, University of South Carolina Columbia, South Carolina. Francis St. Iohn

Thein Swe

Chief Bibliographer, Louisana State University, Baton Rouge, Louisiana.

Richard I. Talbot

Director of Libraries, University of Massachusetts at Amherst, Amherst, Massachusetts. Academic Libraries: Measurement and Evaluation

Sönmez Taner

Information Specialist, Türdok, Scientific and Technical Research Council of Turkey, Ankara. Turkey

G. Thomas Tanselle

Vice President, John Simon Guggenheim Memorial Foundation, New York, New York. Frederick Gershom Melcher

Ruth W. Tarbox

Chicago, Illinois. Mildred Leona Batchelder

Betty W. Taylor

Professor of Law, Director, Law Library, University of Florida,

Gainesville, Florida. Law Libraries: Collections

Farideh Tehrani

Doctoral Student, School of Library Service, Columbia University, New York, New York. Iran

Björn V. Tell

University Librarian, Lund University, Lund. Sweden

Katherine Thanopoulo

President, Greek Library Association, Athens. Greece

Leila Theresa Thomas

Director, Jamaica Library Service, Kingston, Iamaica

Dennis V. Thomison

Associate Professor, School of Library Science, University of Southern California, Los Angeles, California. Theresa Hubbell West Elmendorf

lames C. Thompson

Assistant Librarian for Technical Services, Milton S. Eisenhower Library, The Johns Hopkins University, Baltimore, Maryland. Acquisitions

Jacques J. Tocatlian

Director General, General Information Programme (PGI), Unesco, Paris, France. Unesco

Martha V. Tomé

Senior Specialist, Information, Comunication and Cultural Diffusion, Organization of American States, Jorge Aguayo; Carmen Rovira

Helen Welch Tuttle

Former Assistant University Librarian for Technical Services, Princeton University Library, Princeton, New Jersey. William Shepherd Dix

H. Ungerer

Commission of the European Communities, Luxembourg. Euronet

John de Belfort Urquidi

Regional Activities Consultant, International Federation of Library Associations & Institutions, The Hague, Netherlands. Afghanistan

Willy Vanderpÿpen

Assistant Librarian, Royal Library, Brussels. Belgium

Marie Gabrielle Veaux

Documentalist, Archives of Senegal, Dakar. Senegal

Lawrence Gordon Vernon

Chief Librarian, National Library Service, Belize City. Belize

Ernesto de la Torre Villar

Austin, Texas. María Teresa Chávez Campomanes; Juana Manrique de Lara

Rose L. Vormelker

Adjunct Professor, Kent State University, Cleveland, Ohio. John Cotton Dana

Robert Vosper

Professor, Graduate School of Library and Information Science, University of California at Los Angeles, Los Angeles, California. Herman Liebaers

Frederick H. Wagman

Professor and Director Emeritus, University Library, University of Michigan, Ann Arbor, Michigan. Verner Warren Clapp

Ruth W. Waldrop

Executive Secretary, Alabama Library Association, University, Alabama. School Libraries: Laws and Legislation

William D. Walker

Director, Medical Library Center of New York, New York, New York. Medical Libraries: Services to Users

Clyde C. Walton

Director of Libraries, University of Colorado, Boulder, Colorado. Academic Libraries: Laws and Legislation

Chi Wang
Head, Chinese and Korean Section, Library of Congress, Washington, D.C. Yuan T'ung Li

Ruth Warncke

Former Deputy Executive Director, American Library Association, Chicago, Illinois. Helen Elizabeth Haines

Frances A. Weaver

Assistant University Archivist, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina. Louis Round Wilson

William H. Webb

Collection Development Librarian, University of California at San Diego, San Diego, California. Academic Libraries: Collections

Theodore F. Welch

Assistant University Librarian for Development and Lecturer in Japanese. Northwestern University, Evanston, Illinois. Japan

Hans H. Wellisch

Associate Professor, College of Library and Information Services, University of Maryland, College Park, Maryland. Classification

Leonard Wertheimer

Languages Coordinator, Metropolitan Toronto Library Board, Toronto. Ontario, Canada. Bilingual and Ethnic Groups, Services to

Ines Wesley-Tanaskovic

Professor of Information Science, Medical Academy of Belgrade. Belgrade. Yugoslávia

Herbert S. White

Professor and Director, Research Center for Library and Information Science, Graduate Library School, Indiana University, Bloomington, Indiana. Mortimer Taube

John Kremers Whitmore

Program Officer, Center for South and Southeast Asian Studies, University of Michigan, Ann Arbor, Michigan. Vietnam

Wayne A. Wiegand

Assistant Professor, College of Library Science, University of Kentucky, Lexington, Kentucky. United States

D.E.K. Wijasuriya

Deputy Director General, National Library of Malaysia, Kuala Lumpur. Malaysia

Margreet Wijnstroom

Secretary General, International Federation of Library Associations and Institutions, The Hague, Netherlands,

List of Contributors

International Federation of Library Associations and Institutions

Alice E. Wilcox

Minitex (Minnesota Interlibrary Telecommunications Exchange), Minneapolis, Minnesota Resource Sharing

Billy R. Wilkinson

Associate University Librarian, University of Illinois at Chicago Circle Chicago Illinois Academic Libraries Services to Users

Alexander Wilson
Director, Reference Division
British Library London
Public Libraries Library Cooperation

Howard W Winger

Professor, Graduate Library School University of Chicago Chicago Illinois Leon Carnovsky

Francis J. Witty
Professor, School of Arts and Sciences,
Catholic University of America,
Washington, D.C. Jean-Paul Bignon

Irene Wood

Editor, Nonprint Materials, Booklist, American Library Association, Chicago, Illinois Audiovisual Services

Pat A. Woodrum

Director Tulsa City-County Library Tulsa, Oklahoma Allie Beth Martin

H. Curtis Wright
Professor of Library and Information
Sciences, Brigham Young University
Provo Utah Assurbanipal, Callimachus

Margaret Wright
Sub-Librarian, John Rylands
University Library, Manchester,
England Alfred William Pollard

Arthur P. Young
Assistant Dean for Public Services,
University of Alabama Library, University, Alabama Emest Cushing Richardson, Arthur Fremont Rider

Addendum

R. K Das Gupta

Director National Library of India Calcutta India

Contents

Advisers	vi
Contributors	vii
Outline of Contents	xv
Articles and Parallel Index	1-601

Outline of Contents

This Outline is organized under five principal divisions.

Part One, on Libraries in Society, covers the history and role of libraries from ancient times to the present. In addition to nine major articles on historical periods, 162 articles cover libraries and librarianship in the countries of the world. All Part One articles are organized according to the following outline: national libraries, academic libraries, public libraries, school libraries and media centers, special and other libraries, and library associations. The articles appear in alphabetical order in the text. Most articles include comprehensive statistical tables prepared by authorities expressly for this work. Biographies appear in the Outline under major headings according to period and

Part Two, on The Library as an Institution, comprises nine major articles on the principal types of libraries and archives; most have been coordinated by a Principal Contributor. Articles emphasize North America but examples and generalizations are also drawn from various systems in other sections of the world.

Part Three, on Theory and Practice of Librarianship, deals with the heart of librarianship. Twenty-five articles bring together under broad titles the principles and practices of librarianship and information management.

Part Four, on Education and Research, in ten major articles covers librarianship, information science, and archival administration. The articles treat the fundamentals of curriculum content and issues in research and education.

Part Five, on International Library, Information, and Bibliographical Organizations, comprises 28 articles that describe the growth and development of international information systems and enumerate the key organizations on the international level.

PART ONE: The Library in Society

- I. Ancient World
 - A. EGYPT* 187
 - 1. Media
 - 2. Notable Libraries
 - B. NEAR EAST (Babylonia and Assyria) 403
 - 1. Third Millennium B.C.
 - 2. Second Millennium B.C.
 - 3. Assurbanipal's Library (7th century B.C.)
 - C. GREECE 223
 - 1. Early Notable Libraries
 - 2. Aristotle's Library
 - D. ALEXANDRIAN LIBRARY 32
 - Alexandria (3d century B.C.)
 Pergamum (2d century B.C.)
 - 3. The Hellenic East

 - E. ROME 486
 - 1. Media
 - 2. Notable Libraries
 - F. BYZANTINE LIBRARIES (through the 15th century A.D.) 107
 - G. ISLAMIC LIBRARIES (after the 7th century A.D.) 271
 - 1. Growth of Islam
 - 2. Notable Libraries
 - 3. Organization of Libraries

Biographies-Ancient World

ASSURBANIPAL 58
BENEDICT, SAINT 77
CALLIMACHUS 107
CASSIODORUS 120

*Note: Throughout this Outline, all entries set in capitals are titles of articles.

- II. Middle Ages through the Renaissance (17th Century)
 - A. MIDDLE AGES, LIBRARIES IN THE 373
 - 1. Monasteries and Cathedrals
 - 2. University Libraries
 - 3. Other Libraries
 - **B. RENAISSANCE LIBRARIES 474**
 - 1. Manuscript Book Production
 2. Impact of Printing

 - 3. Humanism and the Renaissance Book
 - 4. Notable Libraries
 - 5. Role of Librarians

Biographics-Middle Ages through the **Renaissance**

BODLEY, SIR THOMAS 91 MAUNSELL, ANDREW 346 NAUDE, GABRIEL 402

PLATINA, BARTOLOMEO 432

- III. Modern World. In the articles cited here, the following outline is followed for each country article:
 - (a) National Library
 - (b) Academic Libraries
 - Public Libraries
 - (d) School Libraries Special Libraries
 - Other Libraries
 - (g) Associati (h) Statistics Associations
 - A. Africa
 - ALGERIA 33

Outline of Contents

ANGOLA 34	OGUNSHEYE, FELICIA
BENIN 78	ADETOWUN 416
BOTSWANA 94	B. Asia
BURUNDI 105	AFGHANISTAN 27
CAMEROON 108	BANGLADESH 71
CAPE VERDE 116	BHUTAN 80
CENTRAL AFRICAN REPUBLIC 127	BURMA 104
CHAD 130	CAMBODIA 108
CONGO, PEOPLE'S REPUBLIC OF The 158	CHINA, PEOPLE'S REPUBLIC OF 137
DJIBOUTI 180	CHINA, REPUBLIC OF (TAIWAN) 139
EGYPT, ARAB REPUBLIC OF 188	HONG KONG 239 India 246
EQUATORIAL GUINEA 192	INDONESIA 247
ETHIOPIA 193	JAPAN 279
FRENCH CULTURAL CENTER	KOREA, DEMOCRATIC PEOPLE'S
LIBRARIES 211	REPUBLIC OF 291
GABON 212	KOREA, REPUBLIC OF 291
THE GAMBIA 213	LAOS 295
GHANA 219	MALAYSIA 339
GUINEA 226	NEPAL 405
GUINEA-BISSAU 226	PAKISTAN 420
IVORY COAST 276	PHILIPPINES 430
KENYA 288	SINGAPORE 527
LESOTHO 313	SRI LANKA 543
LIBERIA 313 LIBYA 330	THAILAND 556
MADAGASCAR 338	TIBET 558
MALAWI 339	VIETNAM 586
MALI 341	Biographies—Asia
MAURITANIA, ISLAMIC REPUBLIC	AMANO, KEITARO 33
OF 347	ANUAR, HEDWIC (AROOZOO) 34
MAURITIUS 347	BACHTIAR, HARSYA WARDHANA 68
MOROCCO 381	KESAVAN, B. S. 290
MOZAMBIQUE 382	LI TA-CHAO 333
NAMIBIA (SOUTH WEST AFRICA) 386	MAMIYA, FUJIO 343 PRASAD, SRI NANDAN 440
NIGER 411	PRIOLKAR, ANANT KĀKBĀ 440
NIGERIA 411	RAJWADE, VISHWANATH
RWANDA 489	KASHINATH 466
SENEGAL 520	RANGANATHAN, SHIYALI
SEYCHELLES 521	RAMAMRITA 467
SIERRA LEONE 526	YUAN T'UNG LI 597
SOMALIA 529	C. Central America
SOUTH AFRICA 529 Sudan 548	BAHAMAS 69
SWAZILAND 549	BARBADOS 72
TANZANIA 554	BELIZE 77
TOGO 559	BERMUDA 79
TUNISIA 561	BRITISH VIRGIN ISLANDS 100
UGANDA 563	COSTA RICA 166
UPPER VOLTA 582	CUBA 167
ZAIRE 598	DOMINICAN REPUBLIC 180
ZAMBIA 599	EL SALVADOR 190 GUATEMALA 225
ZIMBABWE RHODESIA 600	HAITI 228
	HONDURAS 239
Biographies—Africa	IAMAICA 277
	MEXICO 369
AJE, SIMEON BABASANYA 30	NETHERLANDS ANTILLES 407
AKITA, JERMIAS MAMA 30 BOUSSO, AMADOU ALASSANE 95	NICARAGUA 409
EL SHENITY, EL SAYED	PANAMA 422
MAHMOUD 191	PUERTO RICO 463
EVANS, EVELYN 195	TRINIDAD AND TOBAGO 559

xvi