



LIBRARY OF THE  
UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

507

F45

1962-68



## CENTRAL CIRCULATION BOOKSTACKS

The person charging this material is responsible for its renewal or its return to the library from which it was borrowed on or before the **Latest Date** stamped below. **You may be charged a minimum fee of \$75.00 for each lost book.**

**Theft, mutilation, and underlining of books are reasons for disciplinary action and may result in dismissal from the University.**

**TO RENEW CALL TELEPHONE CENTER, 333-8400**

**UNIVERSITY OF ILLINOIS LIBRARY AT URBANA-CHAMPAIGN**

---

*May 15 1995*  
MAY 15 1995

When renewing by phone, write new due date below  
previous due date.

L162







167

507  
F45  
1962

# ANNUAL REPORT

1962

THE LIBRARY OF  
JAN 13 1963  
UNIVERSITY OF CHICAGO

*Chicago Natural History Museum*













FLOODLIGHTED NORTH ENTRANCE

CHICAGO NATURAL HISTORY MUSEUM

# Report of the Director

*to the*

## Board of Trustees

*for the year 1962*



CHICAGO NATURAL HISTORY MUSEUM

1963

PRINTED IN THE UNITED STATES OF AMERICA  
BY CHICAGO NATURAL HISTORY MUSEUM PRESS

507  
F45  
1935-68

# Contents

	PAGE
FORMER MEMBERS OF THE BOARD OF TRUSTEES . . . . .	10
FORMER OFFICERS . . . . .	11
BOARD OF TRUSTEES, 1962 . . . . .	12
LIST OF STAFF, 1962 . . . . .	13
REPORT OF THE DIRECTOR . . . . .	21
Trustees and Officers . . . . .	23
Gifts to the Museum . . . . .	24
The N. W. Harris Public School Extension . . . . .	25
James Nelson and Anna Louise Raymond Foundation . . . . .	26
Staff of the Museum . . . . .	30
Volunteer Workers . . . . .	31
Memberships . . . . .	31
Museum Attendance . . . . .	32
Special Exhibits and Programs . . . . .	33
Expeditions and Field Trips . . . . .	35
Department of Anthropology . . . . .	39
Department of Botany . . . . .	47
Department of Geology . . . . .	53
Department of Zoology . . . . .	59
Library of the Museum . . . . .	69
Public Relations . . . . .	73
Activities of Staff Members in Scientific and Professional Societies . . . . .	75
Co-operation with Other Institutions . . . . .	78
Motion Pictures . . . . .	80
Photography and Illustration . . . . .	81
Book Shop . . . . .	81
Publications and Printing . . . . .	81
Cafeteria . . . . .	88
Maintenance, Construction, and Engineering . . . . .	88
Attendance Statistics and Door Receipts . . . . .	91
Financial Statements . . . . .	92
Accessions in 1962 . . . . .	96
MEMBERS OF THE MUSEUM . . . . .	105
Benefactors . . . . .	105
Honorary Members . . . . .	105
Patrons . . . . .	105
Corresponding Members . . . . .	105
Contributors . . . . .	106

Corporate Members . . . . .	108
Life Members . . . . .	108
Non-Resident Life Members . . . . .	110
Associate Members . . . . .	111
Non-Resident Associate Members . . . . .	133
Sustaining Members . . . . .	133
Annual Members . . . . .	134
ARTICLES OF INCORPORATION . . . . .	165
AMENDED BY-LAWS . . . . .	167



# Illustrations

	PAGE
North Entrance of Museum . . . . .	FRONTISPIECE
Solomon A. Smith . . . . .	9
Holiday Science Lecture . . . . .	27
John Witte, Museum's 50 Millionth Visitor . . . . .	32
Reception Opening Exhibition of Tutankhamun Treasures . . . . .	34
Spice Exhibit . . . . .	36
Bronze Plaque from Benin . . . . .	38
Gold Breastplate from Colombia . . . . .	42
Silver Trade Goods . . . . .	44
Model of Vanilla pompona . . . . .	46
Diamond and Platinum Cornucopia Pin . . . . .	52
Camp Site of Iranian Expedition . . . . .	58
Spiny Squirrel Fish from Brazil . . . . .	61
Hawaiian Tree Snail . . . . .	63
Insect Exhibit . . . . .	65
Chinese Toggles . . . . .	68
Aleutian Boat . . . . .	74
Leaf Insect . . . . .	77





Photograph by Fabian Bachrach

SOLOMON A. SMITH

Trustee of the Museum since 1920  
Treasurer since 1914  
Contributor and Corporate Member

## Former Members of the

## Board of Trustees

GEORGE E. ADAMS,\* 1893-1917  
OWEN F. ALDIS,\* 1893-1898  
ALLISON V. ARMOUR,\* 1893-1894  
SEWELL L. AVERY,\* 1932-1960  
EDWARD E. AYER,\* 1893-1927

JOHN C. BLACK,\* 1893-1894  
WATSON F. BLAIR,\* 1894-1928  
LEOPOLD E. BLOCK,\* 1936-1952  
JOHN BORDEN,\* 1920-1938  
WALTHER BUCHEN,\* 1952-1961  
M. C. BULLOCK,\* 1893-1894  
DANIEL H. BURNHAM,\* 1893-1894  
HARRY E. BYRAM,\* 1921-1928

CHESSER M. CAMPBELL,\* 1959-1960  
WILLIAM J. CHALMERS,\* 1894-1938  
BOARDMAN CONOVER,\* 1940-1950  
RICHARD T. CRANE, JR.,\* 1908-1912  
1921-1931

D. C. DAVIES,\* 1922-1928  
GEORGE R. DAVIS,\* 1893-1899  
ALBERT B. DICK, JR.,\* 1936-1954

JAMES W. ELLSWORTH,\* 1893-1894

CHARLES B. FARWELL,\* 1893-1894  
HOWARD W. FENTON,\* 1941-1951  
HENRY FIELD,\* 1916-1917  
MARSHALL FIELD, JR.,\* 1899-1905  
MARSHALL FIELD III,\* 1914-1956

ERNEST R. GRAHAM,\* 1921-1936  
FRANK W. GUNSAULUS,\* 1893-1894  
1918-1921

ALBERT W. HARRIS,\* 1920-1941  
HARLOW N. HIGINBOTHAM,\* 1894-1919

EMIL G. HIRSCH,\* 1893-1894  
CHARLES L. HUTCHINSON,\* 1893-1894

HUNTINGTON W. JACKSON,\* 1894-1900  
ARTHUR B. JONES,\* 1894-1927

CHAUNCEY KEEP,\* 1915-1929  
WILLIAM V. KELLEY,\* 1929-1932

GEORGE MANIERRE,\* 1894-1924  
CHARLES H. MARKHAM,\* 1924-1930  
CYRUS H. McCORMICK,\* 1894-1936  
CHARLES A. McCULLOCH,\* 1936-1945

JOHN BARTON PAYNE,\* 1910-1911  
GEORGE F. PORTER,\* 1907-1916

CLARENCE B. RANDALL, 1946-1961  
FREDERICK H. RAWSON,\* 1927-1935  
NORMAN B. REAM,\* 1894-1910  
GEORGE A. RICHARDSON,\* 1930-1957  
JOHN A. ROCHE,\* 1893-1894  
THEODORE ROOSEVELT, JR.,\* 1938-1944  
MARTIN A. RYERSON,\* 1893-1932

FRED W. SARGENT,\* 1929-1939  
STEPHEN C. SIMMS,\* 1928-1937  
JAMES SIMPSON,\* 1920-1939  
FREDERICK J. V. SKIFF,\* 1902-1921  
ALBERT A. SPRAGUE,\* 1910-1946  
SILAS H. STRAWN,\* 1924-1946

EDWIN WALKER,\* 1893-1910  
ALBERT H. WETTEN,\* 1939-1953  
LESLIE WHEELER,\* 1934-1937  
NORMAN WILLIAMS,\* 1894-1899  
JOHN P. WILSON,\* 1932-1959  
WILLIAM WRIGLEY, JR.,\* 1919-1931

\* deceased

## Former Officers

PRESIDENTS	EDWARD E. AYER* . . . . . 1894-1898
	HARLOW N. HIGINBOTHAM* . . . . . 1898-1908
	STANLEY FIELD . . . . . 1909-1961
FIRST VICE-PRESIDENTS	MARTIN A. RYERSON* . . . . . 1894-1932
	ALBERT A. SPRAGUE* . . . . . 1933-1946
	MARSHALL FIELD III* . . . . . 1946-1956
SECOND VICE-PRESIDENTS	NORMAN B. REAM* . . . . . 1894-1902
	MARSHALL FIELD, JR.* . . . . . 1902-1905
	STANLEY FIELD . . . . . 1906-1908
	WATSON F. BLAIR* . . . . . 1909-1928
	ALBERT A. SPRAGUE* . . . . . 1929-1932
	JAMES SIMPSON* . . . . . 1933-1939
	SILAS H. STRAWN* . . . . . 1940-1946
	ALBERT B. DICK, JR.* . . . . . 1946-1951
	HENRY P. ISHAM . . . . . 1952-1953
	SAMUEL INSULL, JR. . . . . 1954
	HUGHSTON M. MCBAIN . . . . . 1955-1956
	WALTHER BUCHEN* . . . . . 1957-1961
THIRD VICE-PRESIDENTS	ALBERT A. SPRAGUE* . . . . . 1921-1928
	JAMES SIMPSON* . . . . . 1929-1932
	ALBERT W. HARRIS* . . . . . 1933-1941
	ALBERT B. DICK, JR.* . . . . . 1942-1946
	SAMUEL INSULL, JR. . . . . 1946-1953
	JOSEPH N. FIELD . . . . . 1954-1961
SECRETARIES	RALPH METCALF . . . . . 1894
	GEORGE MANIERRE* . . . . . 1894-1907
	FREDERICK J. V. SKIFF* . . . . . 1907-1921
	D. C. DAVIES* . . . . . 1921-1928
	STEPHEN C. SIMMS* . . . . . 1928-1937
	CLIFFORD C. GREGG . . . . . 1937-1961
TREASURERS	BYRON L. SMITH* . . . . . 1894-1914
DIRECTORS	FREDERICK J. V. SKIFF* . . . . . 1893-1921
	D. C. DAVIES* . . . . . 1921-1928
	STEPHEN C. SIMMS* . . . . . 1928-1937
	CLIFFORD C. GREGG . . . . . 1937-1961

\* deceased

# BOARD OF TRUSTEES, 1962

## OFFICERS

STANLEY FIELD, *Chairman of the Board*  
CLIFFORD C. GREGG, *President*  
HUGHSTON M. MCBAIN, *First Vice-President*  
JOSEPH N. FIELD, *Second Vice-President*  
BOWEN BLAIR, *Third Vice-President*  
SOLOMON A. SMITH, *Treasurer and Assistant Secretary*  
E. LELAND WEBBER, *Secretary*

## BOARD OF TRUSTEES

LESTER ARMOUR	HUGHSTON M. MCBAIN
BOWEN BLAIR	J. ROSCOE MILLER
WM. MCCORMICK BLAIR	WILLIAM H. MITCHELL
WALTER J. CUMMINGS	JOHN T. PIRIE, JR.
JOSEPH N. FIELD	JOHN SHEDD REED
MARSHALL FIELD, JR.	JOHN G. SEARLE
STANLEY FIELD	JOHN M. SIMPSON
CLIFFORD C. GREGG	EDWARD B. SMITH
SAMUEL INSULL, JR.	SOLOMON A. SMITH
HENRY P. ISHAM	LOUIS WARE
WILLIAM V. KAHLER	J. HOWARD WOOD

## COMMITTEES

*Executive*—Stanley Field, Clifford C. Gregg, Solomon A. Smith, Joseph N. Field, John G. Searle, Hughston M. McBain, Wm. McCormick Blair, Henry P. Isham, Marshall Field, Jr.

*Finance*—Solomon A. Smith, Hughston M. McBain, Walter J. Cummings, Henry P. Isham, Wm. McCormick Blair, John G. Searle, Lester Armour

*Building*—Joseph N. Field, William H. Mitchell, Louis Ware, J. Roscoe Miller, J. Howard Wood

*Auditing*—John G. Searle, Marshall Field, Jr., Louis Ware

*Pension*—Hughston M. McBain, William V. Kahler, John G. Searle, John T. Pirie, Jr., Samuel Insull, Jr.

# LIST OF STAFF, 1962

E. LELAND WEBBER, B.B.Ad., C.P.A., Director

## DEPARTMENT OF ANTHROPOLOGY

PAUL S. MARTIN, Ph.D., Chief Curator

DONALD COLLIER, Ph.D., Curator, South American Archaeology and Ethnology

GEORGE I. QUIMBY, A.M., Curator, North American Archaeology and Ethnology

JOHN B. RINALDO, Ph.D., Associate Curator, Archaeology

KENNETH STARR, Ph.D., Curator, Asiatic Archaeology and Ethnology

PHILIP H. LEWIS, M.A., Curator, Primitive Art

HOSHIEH TCHEN, Ph.D., Consultant, East Asian Collection

ALLEN S. LISS, A.B., Custodian of Collections†

CHRISTOPHER C. LEGGE, M.A., Assistant Custodian of Collections

ALFRED LEE ROWELL, Dioramist

GUSTAF DALSTROM, Artist

THEODORE HALKIN, B.F.A., M.S., Artist

WALTER C. REESE, Preparator

SUSAN SCHANCK, B.S., Artist-Preparator

AGNES M. FENNELL, B.A., Departmental Secretary

ROBERT J. BRAIDWOOD, Ph.D., Research Associate, Old World Prehistory

FRED EGGAN, Ph.D., Research Associate, Ethnology

J. ERIC THOMPSON, Dipl.Anth.Camb., Research Associate, Central American Archaeology

EVETT D. HESTER, M.S., Field Associate

## DEPARTMENT OF BOTANY

JOHN R. MILLAR, Chief Curator

J. FRANCIS MACBRIDE, Curator, Peruvian Botany

JOHN W. THIERET, Ph.D., Curator, Economic Botany†

LOUIS O. WILLIAMS, Ph.D., Curator, Central American Botany

PATRICIO PONCE DE LEON, Ph.D., Assistant Curator, Cryptogamic Herbarium

SAMUEL H. GROVE, JR., Artist-Preparator

FRANK BORYCA, Technician

† resigned

DEPARTMENT OF BOTANY (CONTINUED)

WALTER HUEBNER, Preparator

ROBERT ANDERSON, Artist

EDITH M. VINCENT, A.B., Research Librarian

DOROTHY GIBSON, Assistant and Departmental Secretary

E. P. KILLIP, A.B., Research Associate, Phanerogamic Botany

ROGERS MCVAUGH, Ph.D., Research Associate, Vascular Plants

DONALD RICHARDS, Research Associate, Cryptogamic Botany

EARL E. SHERFF, Ph.D., Research Associate, Systematic Botany

HANFORD TIFFANY, Ph.D., Research Associate, Cryptogamic Botany

MARGERY C. CARLSON, Ph.D., Associate, Botany

DEPARTMENT OF GEOLOGY

SHARAT K. ROY, Ph.D., Chief Curator‡

RAINER ZANGERL, Ph.D., Chief Curator

EDWARD J. OLSEN, Ph.D., Curator, Mineralogy

BERTRAM G. WOODLAND, Ph.D., Associate Curator, Petrology

HARRY E. CHANGNON, B.S., Curator of Exhibits

HENRY HORBACK, Assistant

HENRY U. TAYLOR, Preparator

ROBERT H. DENISON, Ph.D., Curator, Fossil Fishes

WILLIAM D. TURNBULL, Assistant Curator, Fossil Mammals

DAVID TECHTER, B.S., Assistant, Fossil Vertebrates

EUGENE S. RICHARDSON, JR., Ph.D., Curator, Fossil Invertebrates

ORVILLE L. GILPIN, Chief Preparator, Fossils

RONALD J. LAMBERT, Preparator, Fossils

MAIDI WIEBE LEIBHARDT, Artist†

TIBOR PERENYI, Ph.D., Artist

EVELYN SHAHROCH, Departmental Secretary

ERNST ANTEVS, Ph.D., Research Associate, Glacial Geology

ALBERT A. DAHLBERG, D.D.S., Research Associate, Fossil Vertebrates

ERIK N. KJELLESVIG-WAERING, B.S., Research Associate, Fossil Invertebrates

EVERETT C. OLSON, Ph.D., Research Associate, Fossil Vertebrates

BRYAN PATTERSON, Research Associate, Fossil Vertebrates

R. H. WHITFIELD, D.D.S., Associate, Fossil Plants

VIOLET WHITFIELD, B.A., Associate, Fossil Plants

‡ deceased

† resigned



## DEPARTMENT OF ZOOLOGY

AUSTIN L. RAND, Ph.D., Sc.D., Chief Curator  
JOSEPH CURTIS MOORE, Ph.D., Curator, Mammals  
PHILIP HERSHKOVITZ, M.S., Research Curator, Mammals  
EMMET R. BLAKE, M.S., Curator, Birds  
MELVIN A. TRAYLOR, JR., A.B., Associate Curator, Birds  
M. DIANNE MAURER, A.B., Assistant, Birds  
ROBERT F. INGER, Ph.D., Curator, Amphibians and Reptiles  
HYMEN MARX, B.S., Assistant Curator, Reptiles  
JANET WRIGHT, Assistant, Reptiles†  
LOREN P. WOODS, A.B., Curator, Fishes  
PEARL SONODA, Assistant, Fishes  
RUPERT L. WENZEL, Ph.D., Curator, Insects  
HENRY S. DYBAS, B.S., Associate Curator, Insects  
AUGUST ZIEMER, Assistant, Insects  
FRITZ HAAS, Ph.D., Curator Emeritus, Lower Invertebrates  
ALAN SOLEM, Ph.D., Curator, Lower Invertebrates  
D. DWIGHT DAVIS, Curator, Vertebrate Anatomy  
JOAN DAVIS LEVIN, B.A., Assistant†  
SOPHIE ANDRIS, Osteologist  
CARL W. COTTON, Taxidermist  
MARIO VILLA, Assistant Taxidermist  
PETER ANDERSON, Assistant Taxidermist  
JOSEPH B. KRSTOLICH, Artist  
WANDA HARRISON, A.B., Departmental Secretary

RUDYERD BOULTON, B.S., Research Associate, Birds  
ALFRED E. EMERSON, Ph.D., Sc.D., Research Associate, Insects  
HARRY HOOGSTRAAL, Ph.D., Research Associate, Insects  
CH'ENG-CHAO LIU, Ph.D., Research Associate, Reptiles  
ORLANDO PARK, Ph.D., Research Associate, Insects  
CLIFFORD H. POPE, B.S., Research Associate, Amphibians and Reptiles  
CHARLES H. SEEVERS, Ph.D., Research Associate, Insects  
R. M. STRONG, Ph.D., Research Associate, Anatomy  
ROBERT TRAUB, Ph.D., Research Associate, Insects  
ALEX K. WYATT, Research Associate, Insects  
LUIS DE LA TORRE, M.S., Associate, Mammals  
MARION GREY, Associate, Fishes  
WALDEMAR MEISTER, M.D., Associate, Anatomy  
EDWARD M. NELSON, Ph.D., Associate, Fishes

† resigned

DEPARTMENT OF ZOOLOGY (CONTINUED)

HARRY G. NELSON, B.S., Associate, Insects  
KARL PLATH, Associate, Birds  
DIOSCORO S. RABOR, M.S., Associate, Birds  
LILLIAN A. ROSS, Ph.B., Associate, Insects  
ELLEN T. SMITH, Associate, Birds  
ROBERT L. FLEMING, Ph.D., Field Associate  
GEORG HAAS, Ph.D., Field Associate  
FREDERICK J. MEDEM, Sc.D., Field Associate

DEPARTMENT OF THE N. W. HARRIS PUBLIC SCHOOL EXTENSION

RICHARD A. MARTIN, B.S., Curator  
DAVID A. ROSS, B.S.A., Preparator ¶

BERTHA M. PARKER, M.S., Research Associate

JAMES NELSON AND ANNA LOUISE RAYMOND FOUNDATION  
FOR PUBLIC SCHOOL AND CHILDREN'S LECTURES

MIRIAM WOOD, M.A., Chief	MARYL ANDRE, B.S.
MARIE SVOBODA, M.A.	JOANNE EVENSON, B.S. †
HARRIET SMITH, M.A.	ERNEST J. ROSCOE, M.S.
EDITH FLEMING, M.A.	ELDA B. HERBERT, M.A., Secretary

THE LIBRARY OF THE MUSEUM

*Administration*

META P. HOWELL, B.L.S. Librarian  
M. EILEEN ROCOURT, M.A., Associate Librarian  
ESTHER P. KERSTER, Secretary

*Classification and Cataloguing*

W. PEYTON FAWCETT, B.A.  
BERTHA W. GIBBS, B.A., B.S. in L.S.  
CHIH-WEI PAN, M.S.

*Reference*

EUGENIA BERNOFF JANG

*Accessions, Binding, Stacks*

GEORGE STOSIUS, M.E.  
CONSTANTIN GLOBALA, Dipl.Eng.

¶ on leave

† resigned

## ASSOCIATE EDITORS OF MUSEUM PUBLICATIONS

LILLIAN A. ROSS, Ph.B., Scientific Publications

PATRICIA M. WILLIAMS, A.B., Assistant

HELEN ATKINSON MACMINN, A.M., Miscellaneous Publications

## PUBLIC RELATIONS COUNSEL

PAULA R. NELSON

MARILYN JINDRICH, B.S., Associate

## DIVISION OF MEMBERSHIPS

GLORIA PAGANO, in charge†

LOIS M. BUENGER, B.A., in charge

## ADMINISTRATION AND RECORDS

JAMES I. GOODRICK, Assistant to the Director

MARION A. KRATKY, B.A., Secretary to the President†

HELEN B. CHRISTOPHER, Secretary to the President

SUSANMARY CARPENTER, B.A., Secretary to the Director

MARION G. GORDON, B.S., Registrar

RAYMOND A. N. GOMES, Assistant Recorder†

HILDA NORDLAND, Assistant Recorder

JEANNETTE FORSTER, Assistant Recorder

JESSIE DUDLEY, Receptionist

## ACCOUNTING

MARION K. HOFFMANN, Auditor

ELEANOR SHEFFNER, Assistant Auditor

ROBERT E. BRUCE, Purchasing Agent

## THE BOOK SHOP

JANE COMISKEY, B.A., Manager

## DIVISION OF ILLUSTRATION

E. JOHN PFIFFNER, Staff Artist†

MARION PAHL, B.F.A., Staff Illustrator

† resigned

## DIVISION OF PHOTOGRAPHY

JOHN BAYALIS, Photographer

HOMER V. HOLDREN, Assistant

FERDINAND HUYSMANS, Dipl.A., Assistant

CLARENCE B. MITCHELL, B.A., Research Associate, Photography

## DIVISION OF MOTION PICTURES

JOHN MOYER, in charge

## DIVISION OF PRINTING

RAYMOND H. HALLSTEIN, SR., in charge†

HAROLD M. GRUTZMACHER, in charge

## BUILDING OPERATIONS

JAMES R. SHOUBA, Building Superintendent

### *Division of Maintenance*

GUSTAV A. NOREN, Superintendent of Maintenance

### *Division of Engineering*

WILLIAM E. LAKE, Chief Engineer\*

LEONARD CARRION, Chief Engineer

JACQUES L. PULIZZI, Assistant Chief Engineer

## THE GUARD

HARRY R. SMITH, Captain†

WILLIAM L. DAGGETT, Captain

† resigned

\* retired

*Annual Report of the Director*



# Annual Report

*of the Director*

To the Trustees:

I have the honor to present a report of the operations of the Museum for the year ending December 31, 1962.

The single event of greatest public impact during 1962 was the showing of the Egyptian treasures from the tomb of King Tutankhamun during the period from June 15 through July 15. The two-year tour of this exhibition in the United States is intended to draw public attention to the campaign to save the many archaeological treasures that will be lost upon completion of the Aswan Dam, unless funds are made available for intensive archaeological work. The extent of the interest generated in Chicago was evidenced by the 123,722 visitors to the exhibition.

On July 2, the 50 millionth visitor to the present building since its opening on May 2, 1921, was received in the person of John McFaul Witte of Westchester, Illinois. John, aged 12, was presented with a Life Membership in the Museum by the Director.

Expeditionary work in connection with current research projects of the scientific staff was particularly noteworthy. Our expeditions were active in Canada, Borneo, South and Central America, Bechuanaland, southern Asia, the Philippines and other islands in the Pacific, and in numerous areas within the United States. Study trips by the staff ranged far afield, including the completion of a round the world trip by Dr. Alan Solem, Curator of Lower Inverte-

brates. Field Associates and collectors extended our work in many other areas of the world.

Mention of the intensive program of field work and collecting leads inevitably to a broader consideration. Field work, which is essential to much of the research program of a natural history museum, produces collections of specimens—specimens that must be processed by technicians, studied by our staff or by collaborators elsewhere, published in the technical literature, and systematically filed, stored, and maintained for future use by other scientists working on different problems.

The burgeoning scientific activity in this country since World War II has placed on each segment of the scientific community an increasing burden as it attempts to maintain its proportionate role in the total effort. A major museum, similar to a major library, must by its very nature grow in collections, in space, in staff, if it is to fulfill its responsibilities to science and to the nation.

A concomitant to accelerated scientific research is the need for a continually better informed populace as an aid to understanding of new scientific knowledge and of the scientific process, and also for the pure intellectual stimulation derived from a broad scientific background. The science museum today has a responsibility for an increasing commitment to revision of exhibits as its principal contribution to public understanding. Temporary exhibits, in particular, provide an opportunity to transmit timely information about matters of current scientific interest. Such exhibits are, however, high in "per viewer" cost compared with exhibits planned to remain on view for years.

Growth is evident in other areas of our work. During the last ten years, the number of school children, other students, and teachers visiting the Museum annually has increased from 164,000 to 371,000. In 1962, 217,159 persons came in organized groups. We were able to serve only 52,508 of these through our Raymond Foundation activities. Ten years ago, we produced 20,000 pieces of photographic work annually in our Division of Photography; in 1962, 37,544 were completed. As our library grows in size and distinction, more advanced students visit it and more requests for interlibrary loans are received from universities, various industries, and other museums. As the number of graduate students in universities in this country and abroad grows, so does the number that comes to the Museum for instruction or independent study in our reference collections. We are gratified at the demand for these and other Museum services, but we recognize that such demands mean more



librarians, photographers, preparators, guards, guides, maintenance personnel; yes, even more soap powder to eliminate small fingerprints from walls.

A museum such as Chicago Natural History Museum is thus in what is termed a "growth situation" in the investment world. Unfortunately, the corollary ends there, for, unlike a growth industry which nurtures itself through monetary profits, the Museum requires a continuing infusion of financial support from the community to which it pays its dividends of service.

In recognition of these very basic facts of museum existence, the staff began a study during 1962 to determine the resources needed if we are to meet the demands that will be made on the Museum during the next two decades. Although the study was not completed during 1962, two over-riding concerns were so evident that immediate action was necessary. The first need was a revision of staff salaries to bring us to a position closer to other major museums and to colleges and universities. Action by the Board of Trustees in December authorized some of the most critical revisions which will help to retain present and attract future staff. The other major problem is that of providing space to house our growing collections. Although the solution to this need was not in sight at the year's end, progress has been made on the physical planning which is precedent to a solution.

Further planning and assessment of need are indicated and will be undertaken. They will be most fruitful as we move in an orderly fashion to meet the challenges and opportunities of the years ahead.

## TRUSTEES AND OFFICERS

At the annual meeting of the Board of Trustees, President Stanley Field requested that he be no longer continued in that office after fifty-three years of service. The Board of Trustees, therefore, elected Mr. Field Chairman of the Board and elected the former Director, Dr. Clifford C. Gregg, President. Hughston M. McBain was re-elected First Vice-President, Joseph N. Field was elected Second Vice-President, and Bowen Blair, Third Vice-President. Solomon A. Smith was re-elected Treasurer and elected Assistant Secretary. E. Leland Webber, formerly Assistant Director, was elected Secretary of the Board and Director of the Museum.

## GIFTS TO THE MUSEUM

The Museum received \$3,062.50 from Mr. and Mrs. Elliott Donnelley. William S. Street donated \$3,500 toward a zoological expedition to the Near East. The Searle Foundation gave an unrestricted gift of \$2,000 and Jack C. Staehle likewise gave \$1,593.75. Edward Alexander and Philip K. Wrigley each contributed \$1,000 and the Children's Press also gave \$1,000. Contributions were received from William G. Burt in the amount of \$1,175, Joseph N. Field in the amount of \$750, and William H. Mitchell in the amount of \$500.

Stanley Field, Chairman of the Board of Trustees, gave an additional \$31,234.75, and Mrs. Stanley Field, a Benefactor of the Museum, gave \$15,000 to the Sara Carroll Field Fund. Miss Margaret B. Conover contributed \$971.88 to the Conover Game-Bird Fund, and Dr. Maurice L. Richardson added \$1,000 to the Maurice L. Richardson Paleontological Fund. Mrs. Cyril L. Ward gave \$2,000 to the Frances F. Ward Endowment Fund. Dr. Clifford C. Gregg contributed \$250 to the Commander Frank V. Gregg Memorial Fund. The Karl P. Schmidt Fund also received \$50, the Museum Memorial Fund \$207, and the Walther Buchen Memorial Fund \$100. The Frederick Reynolds and Abby Kettle Babcock Fund received \$521.57 from the estate of the late Mrs. Abby K. Babcock (for use of Special Funds see page 94).

Additional gifts were received from Mr. and Mrs. Lee W. Alberts, Richard H. Alschuler, Herbert R. Anderson, Mrs. Maryl Andre, Edwin C. Austin, Mrs. Henry Warren Austin, Lyman Barr, George A. Bates, Arthur Joel Bell, Bowen Blair, William McCormick Blair, Mrs. Walther Buchen, Peder A. Christensen, Mr. and Mrs. Gaylord Donnelley, Walter Erman, David G. Feagans, Flexible Steel Lacing Company, James R. Getz, Mr. and Mrs. Maxwell Hahn, Mr. and Mrs. John F. Haywood, Lloyd Kraus, D. F. Krebs, Commander John F. Kurfess, Samuel A. Marx, Mrs. Katheryn L. McCord, H. Earle Muzzy, John Plain Foundation, Clarence B. Randall, Melvin N. and Mary F. Rothschild Fund, Judd Sackheim, Mr. and Mrs. Reuben M. Schutz, Edward D. Shumway, B. L. Smalley, Mr. and Mrs. Hermon Dunlap Smith, and Roy E. Sturtevant.

In recognition of her generous gifts to the Museum, Mrs. A. W. Fuller was elected a Patron, Corporate Member and Contributor by the Board of Trustees. Other Contributors elected by the Board are: Edward Alexander, A. G. Atwater, Miss Caroline F. Bieber, Reverend Thomas Borgmeier, Mrs. Ann S. Donnelley, Elliott Donnelley, Mrs. Florine G. Oppenheimer, Seymour Oppen-

heimer, Harrison R. Steeves, Jr., Walter T. Stille, Mrs. Babs O. Weiss, and Philip K. Wrigley. Gifts of materials received during the year are listed at the end of this Report (see page 96).

## THE N. W. HARRIS PUBLIC SCHOOL EXTENSION

This year of 1962 is the golden anniversary of Harris Extension, for it is the fiftieth since the department had its beginning in 1912. Its organization was the realization of a plan formulated earlier by the Museum under its new president, Stanley Field, for preparing special exhibits and carrying them into the classrooms of Chicago schools. The establishment of the department was made possible through the generosity of the late Norman Wait Harris, Chicago banker, who in 1911 had set up an endowment of \$250,000 for the purpose. It was in recognition of Harris' generous contribution to the cause of education that the trustees of the Museum decreed that the new department should carry his name. Later contributions from the founder's son, the late Albert W. Harris, and other members of the Harris family added some \$225,000 to the original endowment.

During this fiftieth year, the department has functioned in accordance with plans and procedures long established for carrying out the responsibilities for which it was organized. The list of schools and other public-service institutions receiving exhibits every two weeks on the scheduled lending program fluctuated only slightly: at the start of the year it numbered 497 and at the year's end 499. As in all normal years, each school and other institution received 34 different portable exhibits. The two departmental trucks that circulate the exhibits operated 163 days and traveled a combined total of 12,267 miles. Only 14 of the circulating exhibits were damaged while out on loan.

In the course of the year, but chiefly during the summer months when the exhibits were not in circulation, 182 of the department's 1,000-plus portable exhibits were reconditioned. Thirty-seven requests for special loans of individually selected exhibits or such study-kit material as fossils, rocks, herbarium sheets, and bird and mammal skins were satisfactorily met. The work of Preparator David A. Ross, begun late in 1961 on the outmoded coal-mine and oil-well exhibits, was interrupted in March by his induction into the Army. The coming year, however, promises real progress, for two new preparators have been appointed to the staff of Harris Extension.

JAMES NELSON AND ANNA LOUISE RAYMOND  
FOUNDATION FOR PUBLIC SCHOOL AND  
CHILDREN'S LECTURES

In 1962 Raymond Foundation continued its program to help groups and individuals to interpret and understand the Museum exhibits. Organized groups use the Museum in greater numbers each year. A total of 4,463 groups (including 217,159 persons) registered in the Museum in 1962. Most of these were school groups (for those who were helped by Raymond Foundation, see table on page 29).

Programs for school groups included tours, workshops (where students were able to handle selected materials), and study unit programs in which the students participated in seeking out some of the information by the use of question sheets. Motion pictures were used in many of these programs wherever the film could add to the understanding of the subject matter being discussed and the exhibits being studied.

Of the twenty-eight television programs presented to children's audiences, twelve were given on the Lee Phillips Friendship Show (WBBM-TV) by Mrs. Maryl Andre, Mr. Ernest Roscoe, and Miss Harriet Smith, and sixteen were presented on Totem Club (WTTW-TV). Five of the Totem Club programs were presented on the weekly program designed especially for children who are deaf or partially deaf. For these programs, labels, drawings and action augmented the verbal presentation to help the children follow the thread of the story. Participants in WTTW-TV programs were Mrs. Andre, Misses Joanne Evenson, Edith Fleming, Harriet Smith, and Miriam Wood, and Mr. Roscoe.

"Journey to Mexico," a series of Museum Stories, was written by Miss Fleming and presented to children who attended the spring Saturday morning motion picture programs.

Three new programs were presented in 1962:

1. Chicago's first Holiday Science Lectures were given December 26, 27, 28 and 29, as part of a national program sponsored by the American Association for the Advancement of Science (made possible by a grant from the National Science Foundation). The 1962 series in Chicago, on "Microbes in Health and Disease," was presented by Dr. Rene Dubos of the Rockefeller Institute in New York. Four different lectures were presented on four consecutive mornings to the same group of selected, high ability high school students (grades 10-12), and a limited number of teachers from the Chicago area. Each lecture was followed by a question and answer period. This series, which combined the stimulating and scholarly

lectures of Dr. Dubos with the penetrating questions of the students, was one of the most dynamic programs the Museum has been privileged to present.

2. A series of six Saturday morning Workshops (3 hours each) was presented to a group of seventeen elementary school teachers from Evanston, Illinois. The request for this course came from the Steering Committee of the Professional Growth and Development Committee for School District No. 65 in Evanston. The purpose was to give the teachers a survey of the Museum, its exhibitions and activities, and to help them to use the Museum's facilities. For satisfactory participation in a minimum of sixteen hours in these six sessions, each teacher received one credit from the Evanston Board of Education. The response from the participants was most gratifying. Since most museums cannot possibly offer personal program services to the large number of visiting school groups with the



DR. RENE DUBOS AND STUDENTS AT HOLIDAY SCIENCE LECTURE

limited staff available, it seems increasingly necessary that school teachers be well acquainted with the museums if optimum use is to be made of them. It is hoped that this type of cooperative teacher training can be continued and expanded.

3. During the Christmas vacation period, a Holiday Excursion in the Museum, called "Bible Plants and Animals," was offered. A direction sheet, prepared by Mrs. Maryl Andre and Miss Marie Svoboda, helped the visitors find the exhibits that showed plants and animals mentioned in the Bible, and gave more information about the exhibits.

During the period in the spring when many school groups visit the Museum, Mrs. Elizabeth Deis, a former member of the Raymond Foundation staff, assisted with tours; during both the spring and fall busy period, Mrs. Helen Christopher helped in meeting groups as they entered the Museum.

PROGRAMS FOR INDIVIDUALS OR GROUPS

	Attendance
Intermediate Girl Scout Nature-Badge Programs	
February (3 Saturdays).....	2,127
Honor Days for Organizations	
Camp Fire Girl Day.....	1,040
Cub Scout Day.....	1,320
Girl Scout Day.....	1,109
Journeys	
No. 28.—Winter Fur 'n Feathers	
Winter of 1961-62 (January, February).....	175
No. 29.—Journey to Mexico	
Spring.....	536
No. 30.—Collecting Minerals and Rocks	
Summer.....	418
No. 31.—Migration	
Fall.....	386
No. 32.—Understanding Scenery	
Winter of 1962-63 (December only).....	75
Awards presented to participants in Journey program:	
Travelers (completed 4 different Journeys).....	64
Adventurers (completed 8 different Journeys).....	41
Explorers (completed 12 different Journeys).....	26
Final Special Journey.....	12
Museum Discoverers.....	7
Total Awards.....	150

RAYMOND FOUNDATION ATTENDANCE TOTALS FOR 1962

1. WORK WITH CHILDREN

<i>A. School groups</i>	Groups	Individuals	Groups	Individuals
Chicago public . . . . .	268	10,295		
Chicago parochial . . . . .	24	973		
Chicago private . . . . .	29	731		
Total Chicago groups . . . . .	321	11,999		
Suburban public . . . . .	838	28,436		
Suburban parochial . . . . .	33	1,194		
Suburban private . . . . .	8	657		
Total suburban groups . . . . .	879	30,287		
Out-of-state groups . . . . .	102	4,279		
Total . . . . .			1,302	46,565
 <i>B. Other groups</i>				
Special (clubs, etc.) . . . . .			72	5,943
 <i>C. Individuals or groups</i>				
Journeys . . . . .		1,590		
Children's movies . . . . .	31	18,172		
Total . . . . .			31	19,762
Total Work with Children . . . . .			1,405	72,270

2. WORK WITH ADULTS

Colleges . . . . .	14	436		
Public tours . . . . .	46	1,248		
Miscellaneous groups . . . . .	13	227		
Museum-film showings . . . . .	47	3,732		
Total Work with Adults . . . . .			120	5,643

3. MISCELLANEOUS PROGRAMS

Television programs . . . . .			28	
Grand Total . . . . .			1,553*	77,913

\* In addition to programs and tours, 679 of these groups (including 30,965 people) were shown movies or other visual materials to help them to a better understanding of the subject being studied.

## STAFF OF THE MUSEUM

E. Leland Webber, formerly Assistant Director, was elected Director to succeed Dr. Clifford C. Gregg.

The Museum suffered a great loss in the death, on April 17, of Dr. Sharat K. Roy, Chief Curator of the Department of Geology, a distinguished scientist of outstanding ability and achievement in the fields of invertebrate paleontology, meteoritics, and volcanology. Dr. Rainer Zangerl, formerly Curator of Fossil Reptiles, was appointed Chief Curator of the Department of Geology by the Board of Trustees at its May meeting. Dr. Joseph C. Moore, formerly Research Fellow of the American Museum of Natural History, joined the staff in January as Curator of Mammals. Philip Hershkovitz, formerly Curator of Mammals, was made Research Curator of Mammals. Other appointments were: James I. Goodrick, Assistant to the Director; Miss Lois M. Buenger, in charge of the Division of Memberships; Dr. Tibor Perenyi, Artist in the Department of Geology; Christopher C. Legge, Assistant Custodian of Collections in the Department of Anthropology; Mrs. Helen B. Christopher, Secretary to the President of the Museum, and William L. Daggett, Captain of the Guard. Ernest Roscoe, formerly Assistant in the Division of Lower Invertebrates, was appointed Guide Lecturer, Raymond Foundation.

William E. Lake, Chief Engineer, who had rendered outstanding service to the Museum during 42 years' association, retired in October. A realignment of responsibilities for building operations was made at that time, and James R. Shouba, Superintendent of Maintenance, was appointed Building Superintendent, in overall charge of building operations; Leonard Carrion, Assistant Chief Engineer, was appointed Chief Engineer, and Gustav Noren, Assistant Superintendent of Maintenance, was appointed Superintendent of Maintenance. Jacques L. Pulizzi was made Assistant Chief Engineer. Harold Grutzmacher, Assistant to Raymond Hallstein in the Division of Printing, was placed in charge upon Mr. Hallstein's resignation.

Resignations during the year were: Allen Liss, Custodian of Collections in the Department of Anthropology; Dr. John W. Thieret, Curator of Economic Botany; Mrs. Maidi Wiebe Leibhardt, Artist in the Department of Geology; Mrs. Gloria Pagano, in charge of the Division of Memberships; Miss Janet Wright, Assistant in the Division of Reptiles; Mrs. Joan Davis Levin, Assistant in the Division of Anatomy; Miss Marion A. Kratky, Secretary to the President; E. John Pfiffner, Staff Artist; Raymond



Hallstein, in charge of Division of Printing; Miss Joanne Evenson, Raymond Foundation; Harry R. Smith, Captain of the Guard; and Raymond Gomes, Assistant Recorder. David Ross, Preparator in Harris Extension, was on leave for military service.

I record with regret the deaths of Dr. Wilfrid D. Hambly, formerly Curator of African Ethnology; Colin Campbell Sanborn, formerly Curator of Mammals; William H. Corning, formerly Superintendent of Maintenance; Miss Frances Foley, formerly Secretary of the Department of Geology; Ray Herring, formerly an employee in the Division of Printing; and John Besch, formerly a carpenter in the Division of Maintenance.

## VOLUNTEER WORKERS

The Museum thanks its volunteer workers for their help during the year. Some of them, designated as Research Associates and Associates, are included in the List of Staff at the beginning of the Report. Other volunteers are: James Bacon, Gary Brown, Steven P. Collings, David Denison, Stanley J. Dvorak, Mrs. Onnolee Elting, Dr. MacDonald Fulton, Dr. Ramon Guevara, Sol Gurewitz, Miss Mary O'Brien, Peter N. Richardson, Mrs. E. K. Witcher, and Jay Wollin.

## MEMBERSHIPS

At the end of 1962, the membership rolls of the Museum included 8,224 different persons. New Members in 1962 in all categories were 1,457. Losses by death, transfers to higher membership classes, moves from the Chicago area, and some cancellations reduced the net gain to 538 compared with 1961's net gain of 411. (Contributors elected by the Board of Trustees during the year are listed on page 106, and complete membership lists begin on page 105.) The increase in endowment funds from Life and Associate Members and the increase in operating funds from Annual and Sustaining Members show a growing appreciation by the community of the educational and cultural benefits of membership. The Museum is very grateful to all its Members for their interest and support.

It is with deep regret that I record the death of one whose service and loyalty for many years have meant so much to the development of the Museum: Mrs. Stanley Field, Benefactor, Patron, Corporate Member, and Life Member. It is with deep regret that I also record the death of Cornelius Crane, Benefactor.



JOHN WITTE,  
MUSEUM'S  
50 MILLIONTH VISITOR,  
RECEIVES AWARD FROM  
THE DIRECTOR

## MUSEUM ATTENDANCE

Attendance in 1962 totaled 1,470,424, a gain of 162,857 over 1961 attendance, which can be attributed primarily to the showing of the "Tutankhamun Treasures."

The July attendance of more than 294,000 was the largest monthly total since 1933-34, when unusually high visitation resulted because of proximity to the nearby Century of Progress Exposition.

## SPECIAL EXHIBITS AND PROGRAMS

The major special exhibit of 1962 was "Tutankhamun Treasures," previously mentioned, which the Museum sponsored jointly with the Oriental Institute of the University of Chicago, from June 15 through July 15. The 123,722 visitors to the "Tutankhamun Treasures" rank the showing among the Museum's most popular presentations. During the month the Museum was privileged to present a series of lectures by Dr. Ahmed Fakhry, Professor of History of Ancient Egypt and the East, University of Cairo.

Of great importance, but of lesser popular interest, was the exhibit, "The Art of Benin," which combined the distinguished Fuller Benin collection with the Museum's collection and was on display from October 19 through January 6. The range and quality of the Fuller collection had long been known, but this exhibition was the first time the major portion had been publicly shown. The Museum is once again indebted to Mrs. A. W. F. Fuller for this further expression of her interest. The Museum was fortunate to have the assistance of Dr. Philip J. C. Dark, Professor of Anthropology at Southern Illinois University, who helped to organize the exhibition and was the author of the catalogue. Dr. Dark also presented two lectures during the exhibition.

A selection of 68 photographs of tribal life of East Africa and Zanzibar was displayed from November 1 to mid-January, 1963, through the courtesy of Dr. Robert F. Gray, Associate Professor of Anthropology at Tulane University, who selected the photographs shown from 4,000 taken during his two field trips to Africa.

"Indians of the Overland Trail," an exhibit of almost life-sized oil paintings by the Arizona artist, Paul Dyke, was shown during March in Stanley Field Hall.

Traditional annual exhibits included the Seventeenth International Exhibition of Nature Photography, sponsored by the Nature Camera Club of Chicago, in February; the Twelfth Annual Amateur Handcrafted Gem and Jewelry Competitive Exhibition, sponsored by the Chicago Lapidary Club; and "A Child's World of Nature," exhibited in co-operation with the Junior School of the Art Institute of Chicago. The exhibit of the work done in our halls by students of the school was forwarded to the Traveling Exhibition Service of the Smithsonian Institution for circulation under its auspices.

Members' Night, held April 27, attracted an enthusiastic gathering of 1,638 members and guests. The showing of the newly completed Hall of Primitive Art was the principal exhibition feature of the evening. In an adjacent hall, Mr. Phillip Lewis, Curator of



DR. MOH. H. ABD-UR-RAHMAN, CURATOR IN THE EGYPTIAN MUSEUM, WITH GUESTS AT RECEPTION OPENING EXHIBITION OF "TUTANKHAMUN TREASURES"

Primitive Art, and Dr. Louis O. Williams, Curator of Central American Botany, lectured on aspects of their respective professional work. Other new or re-installed exhibits were featured, and the work-rooms, laboratories, and study collections were open to our visitors.

The 117th and 118th free lecture series were presented through the provisions of the Edward E. Ayer Lecture Fund. A total of 15,346 persons attended the seventeen Saturday afternoon programs, several of which attracted capacity audiences.

## EXPEDITIONS AND FIELD TRIPS IN 1962

The Museum conducted fifteen expeditions and field trips in 1962.

DEPARTMENT OF ANTHROPOLOGY—*Great Lakes Archaeological Field Trips* (George I. Quimby, Curator of North American Archaeology and Ethnology, and James R. Getz, Museum Contributor); *Mexico Archaeological Field Trip* (Dr. Donald Collier, Curator of South American Archaeology and Ethnology); *Southwest Archaeological Expedition* (Dr. Paul S. Martin, Chief Curator of Anthropology).

DEPARTMENT OF BOTANY—*Guatemala Botanical Expedition, 1962-63* (Dr. Louis O. Williams, Curator of Central American Botany); *Northwest Territories Botanical Expedition, 1961-62* (Dr. John W. Thieret, former Curator of Economic Botany).

DEPARTMENT OF GEOLOGY—*Black Hills Geological Field Trip* (Dr. Bertram G. Woodland, Associate Curator of Petrology); *Rocky Mountain Paleontological Field Trip* (William D. Turnbull, Assistant Curator of Fossil Mammals); *Wyoming Invertebrate Paleontological Field Trip* (Dr. Eugene S. Richardson, Jr., Curator of Fossil Invertebrates).

DEPARTMENT OF ZOOLOGY—*Africa Zoological Field Trip, 1961-62* (Melvin A. Traylor, Jr., Associate Curator of Birds); *Borneo Zoological Expedition, 1962-63* (Dr. Robert F. Inger, Curator of Amphibians and Reptiles); *Pacific Zoological Field Trip, 1961-62* (Dr. Alan Solem, Curator of Lower Invertebrates); *Rush Watkins Zoological Field Trip to Tahiti* (Rush Watkins, Museum Contributor); *Surinam Zoological Field Trip, 1961-62* (Philip Hershkovitz, Research Curator of Mammals); *Virginia Zoological Field Trip* (Henry S. Dybas, Associate Curator of Insects); *William S. and Janice K. Street Iranian Expedition of Chicago Natural History Museum* (Mr. and Mrs. William S. Street, Museum Contributors).



## SPICES HELPED SHAPE HISTORY

IN EUROPE DURING THE MIDDLE AGES AND RENAISSANCE, THE DEMAND WAS GREAT FOR SPICES TO MAKE FOODS TASTE BETTER AND TO HELP PRESERVE THEM. EFFORTS TO OBTAIN SPICES LED TO THE MOST ACTIVE PERIOD OF EXPLORATION IN HISTORY. COLUMBUS DISCOVERED AMERICA WHILE TRYING TO FIND A NEW ROUTE TO ORIENTAL SPICE-LAND.




CLOVE PLANT

# FLOWERS

SAFFRON ARE DRIED FLOWER BUDS OF THE CROCUS. THE CROCUS IS A MEMBER OF THE IRIACEAE FAMILY. A NATIVE OF MEDITERRANEAN, NORTH AFRICA, AND PARTS OF EUROPE. SAFFRON IS A HIGHLY PRICED SPICE.





CLOVES

SAFFRON

NEW SPICE EXHIBIT  
IN  
HALL OF USEFUL PLANTS  
(HALL 28)

DEPARTMENT OF ANTHROPOLOGY

DEPARTMENT OF BOTANY

DEPARTMENT OF GEOLOGY

DEPARTMENT OF ZOOLOGY



BRONZE PLAQUE FROM BENIN  
DEPICTING  
TWO EUROPEANS

THE FULLER COLLECTION



# Department of Anthropology

## Research and Expeditions

Dr. Donald Collier, Curator of South American Archaeology and Ethnology, continued work on materials from the Casma Valley, Peru. He also did research on Peruvian metallurgy that involved comparison of metal tools and ornaments in the Museum's collection, the Cummings collection, and the collections of the American Museum of Natural History and the Museum of the American Indian. When he attended the International Congress of Americanists in Mexico City in August he studied materials in the National Museum and the regional museum at Teotihuacan and visited a number of important new excavations in central Mexico. The most significant of these were the excavations of Richard S. MacNeish in the Tehuacan Valley, in caves and open sites that have yielded a sequence from 7000 B.C. until the Spanish conquest. Of particular interest in this valley is the pre-Columbian irrigation system with subterranean canals similar to ones in the Nazca region of Peru.

Phillip H. Lewis, Curator of Primitive Art, extended his study of New Ireland art to significant collections of New Ireland art and material culture in seven museums in the eastern United States. More than three hundred objects in these collections were studied and photographed. The resulting photographs, measurements, and observations, together with those made on objects in the large New Ireland collection of Chicago Natural History Museum, are the first step toward the creation of a body of research materials, which, together with a sampling of European and Australian museums, will provide an over-all view of most of the art of New Ireland extant in world museums. It is hoped that these photographs and observations can be taken into the field in New Ireland, where ethnological inquiry will help to sort out variants of the New Ireland art style and at the same time facilitate inquiry into the social functions of the art and the problems of change through time.

Dr. Paul S. Martin, Chief Curator, and Dr. John B. Rinaldo, Associate Curator of Archaeology, continued research on cultural adaptation, change, and ecology in eastern Arizona. Analysis of the 6,000 sherds from the Carter Ranch site, Arizona (excavated in 1961-62), by William A. Longacre, research assistant to Chief Curator Martin and predoctoral student, University of Chicago, yielded two major hypotheses: that two matrilineal kin-based

groups occupied Carter Ranch Pueblo and that there were at least three traditions of pottery design.

Statistical analyses of frequencies of potsherds from the same site were undertaken with the aid of the Univac computer at the University of Chicago. Leslie A. Freeman and James Brown, research fellows at the University of Chicago, and Assistant Professor Lewis R. Binford calculated hundreds of regression analyses and chi-square tests on Univac.

The results of the palynological work indicate a long period of climatic change from a humid, cool, pluvial climate to a warm, arid one similar to that prevailing today in Arizona.

A grant from the National Science Foundation helped finance the above work and made it possible to continue, during the summer, archaeological and palynological studies in eastern Arizona. The Museum is grateful for this support given to the researches of Dr. Martin and his associates. Data thus obtained are being readied for analysis by means of an I.B.M. computer at the University of Chicago. Borings were taken from a dry lake bed to obtain samples for pollen analyses.

The Museum acknowledges with pleasure the contributions made to the funds of the expedition by James R. Carter, C. E. Gurley, Mr. and Mrs. Maxwell Hahn, Charles E. Keney, and Judd Sackheim. The Museum is also grateful to Dr. Robert L. Graves, Associate Director of the Operations Analysis Laboratory, and Allan B. Addelman, Chief Engineer of Univac, University of Chicago, for placing the facilities of their laboratory at the disposal of Dr. Martin, and to Bennet Fox, Research Assistant, Department of Statistics, University of Chicago, for his help. Thanks are also given to John Fritz, James Hill, Felipe Jocano, Tom Marks, John Saul, Roland Strassburger, and Gair Tourtellot, students, for their assistance.

Al. N. Oikonomides, a specialist in Greek archaeology studying at the University of Chicago, did research on the Museum's collection of Greek antiquities from Italy and Egypt. With the exception of a few pieces, the collection is unpublished and unknown in the scholarly world. His article in the Museum *Bulletin* (see page 84) discusses the most important piece in the collection, a bronze bust of the god Serapis.

George I. Quimby, Curator of North American Archaeology and Ethnology, continued his investigations of anthropological problems in the Upper Great Lakes region. Particular attention was focused on the Late Woodland and Historic periods from about A.D. 1400 to 1820 in an effort to bridge gaps between modern concepts of

tribal cultures and the prehistoric cultural complexes of the region. During the year field trips were made to sites in Michigan, Ontario, and Wisconsin. Study trips were made to various museums and to homes of individuals possessing specific areal collections. As a part of this program, Curator Quimby, assisted by James R. Getz, made an archaeological survey of the north shore of Lake Michigan and part of the north shore of Lake Huron from Fayette to Drummond Island, Michigan. Surface collections were made from newly discovered sites as well as from those found on previous field trips. A technique for working flint, not previously known for the Upper Great Lakes area, was discovered at some of the sites.

Associate Curator Rinaldo devoted the first part of the year to the preparation, with Chief Curator Martin, of a report on the Carter Ranch site, a prehistoric Pueblo Indian village in eastern Arizona. From June to September he co-directed excavations for the Southwest Archaeological Expedition, and after his return resumed the analysis of data initiated in the field.

Dr. Kenneth Starr, Curator of Asiatic Archaeology and Ethnology, continued his studies of Asian prehistory and contemporaneous cultural change on Taiwan.

### Accessions—Anthropology

Outstanding among acquisitions were some fourteen hundred rare and valuable folk- and minor-art pieces, most of them Chinese, acquired by the Museum from Miss Caroline Frances Bieber, of Santa Fe, New Mexico. The larger part of the collection came by gift. It contained two distinct groups: (1) a general collection consisting of a wide variety of objects, including fine costumes and textiles, costume accessories, jewelry, shadow puppets, paper cut-outs and stencils, paintings, drawings and block prints, tools and toys, and a wide range of minor art objects of many types and materials; and (2) an unmatched collection of 237 belt toggles, beautifully fashioned small objects traditionally worn by Chinese gentlemen as decorative counterweights for personal accessories suspended from their belts.

This excellent collection of materials in large part is representative of middle- and upper-class life in the Peking area of North China during the period of the Ch'ing Dynasty (A.D. 1644-1911). The collection serves unusually well to exemplify the amazing variety of expression—in terms especially of techniques of manufacture and decorative motifs—that is manifested in Chinese folk and minor

arts. Already well known, the Museum's collections of such materials has been very richly enhanced by the addition of Miss Bieber's materials and now are among the very best and most representative in the world. The Chinese collections were further enlarged by a fine group of cut-velvet textiles that were presented to the Museum by Miss Edna H. Bahr, a donor on many occasions.

The Tibetan collections were notably supplemented by purchase of a group of about 150 ethnological specimens obtained through the courtesy and co-operation of Desmond Doig, of Calcutta, India. This collection, which is particularly representative of western and southern Tibet and which also includes materials from Nepal, Sikkim, and Bhutan, nicely balances the Museum's excellent existing Tibetan collection, which until now was composed mainly of materials from the eastern, Chinese-influenced portion of Tibet.

A notable gift received from A. G. Atwater is a magnificent gold breastplate from Colombia, in Quimbaya style, A.D. 500-900.

GOLD COLOMBIAN BREASTPLATE  
GIFT OF A. G. ATWATER



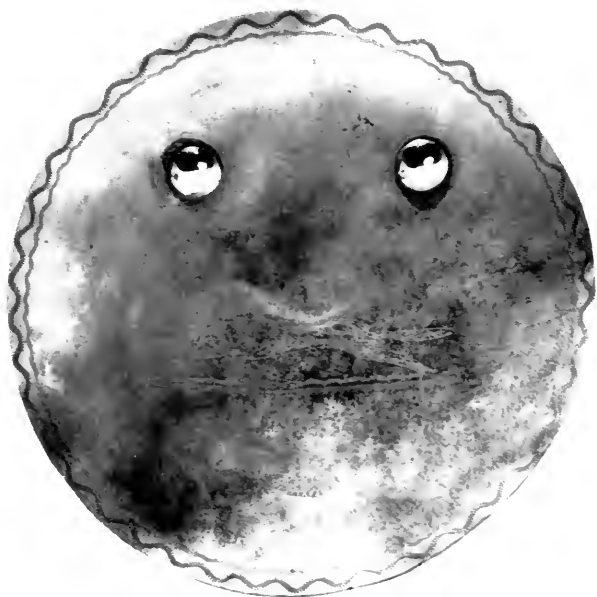
## Care of the Collections—Anthropology

The new storage area for Asian Ethnology neared completion, while members of the department carried out the long and laborious task of transferring the many thousands of specimens from the old storages to the new. In charge of the moving were Allen Liss, Custodian of Collections until his resignation, and Christopher C. Legge, Assistant Custodian. Miss Anna C. Rose, Antioch College student, who contributed signally in this transfer over a six-month period assumed a great measure of responsibility for carrying the work forward and was unusually willing and conscientious. Sol Gurewitz, a very faithful and cheerful volunteer, also has helped very greatly in the transfer, as well as in the performance of many other duties. Such loyalty and willingness to do all that is asked of him is most appreciated in a volunteer worker.

Miss Mary E. Hogquist, assistant, whose marked ability has made her assistance invaluable, assumed full responsibility for processing the thousands of newly acquired specimens of Asian ethnological materials. In this long and tedious project she has been given excellent and continuing aid by Patrick M. Brantlinger, Miss Kaaren Stoner, and Miss Rose, Antioch College students, without whose help the work could not possibly have been done.

Many new photographs have been taken of both older specimens and newly acquired materials, and prints have been made and placed in the department's albums for use by scholars and the public. This work was shared by the Division of Photography and Miss Hogquist.

Dr. Hoshien Tchen, Consultant, East Asian Collection, continued his highly specialized work of cataloguing the Museum's extensive collection of Chinese and Tibetan ink-rubbings. Dr. Tchen completed the cataloguing of a large and valuable collection of more than 300 Chinese and Tibetan ink-rubbings, the gift of the late Dr. David C. Graham. These rubbings are from Ssü-ch'üan province in west China and were taken from tomb reliefs of the Han period (207 B.C.—A.D. 220). Outstanding among them is a series that gives an unusually fine representation of the typical regional culture of this area in west China. Dr. Tchen also worked toward the completion of the cataloguing of two other groups of rubbings. The first consisted of rubbings of the famous Buddhist sculpture and inscriptions found in Lung-men, at Lo-yang in Honan Province. These date from the Northern Wei dynasty (A.D. 424–534) to the T'ang dynasty (A.D. 618–907). The second group consisted of rubbings of the tomb inscriptions of the T'ang dynasty. These



TRADE GOODS  
MADE BY  
CANADIAN SILVERSMITHS  
FOR  
GREAT LAKES INDIANS  
ABOUT A.D. 1770



rubbings represent the most famous tombstones of the T'ang period and include examples of writing by such celebrated calligraphers and scholars as Ch'u Sui-liang, Yen Chên-ch'ing, Liu Kung-chuan, and Li Yang-ping.

### Exhibits—Anthropology

In the Division of Asiatic Archaeology and Ethnology the year saw the continuing re-installation of Hall 32, devoted to illustrating Chinese life as it has been during recent centuries. Of basic importance in the execution of this long program have been the highly imaginative ideas and techniques of Theodore Halkin, Artist, and the excellent craftsmanship of Walter C. Reese, Preparator. Renovation of the Chinese art and archaeological exhibits also continued in George T. and Frances Gaylord Smith Hall (Hall 24).

Curator Lewis conceived and supervised the exhibit, "The Human Image in Primitive Art," which completed the Hall of Primitive Art (Hall 2, Edward E. and Emma B. Ayer Hall). Together with the previously presented "Primitive Artists Look at Civilization," and several definitive and explanatory cases including the complex exhibits, "Primitive Art in Time and Space," designed and executed by Artist Gustaf Dalstrom, the total offerings in this hall now sample art in the world-wide collections of the Museum, with the subject-matter—man—depicted in the various art styles. This marks the completion of the introductory phase of a program of exhibition in primitive art. Preparator Reese installed many of the specimens, and Miss Rose, Antioch College student, helped in checking specimens.

New exhibits on "Modern and Traditional Hopi Crafts" and "Music and Musical Instruments of the Pueblo Indians" were prepared for Hall 7 (Ancient and Modern Indians of the Southwestern United States) by Artist Dalstrom. He also completed sketches and working drawings for a revision, based on the latest archaeological findings, of the Swiss Lake Dweller diorama in Hall C (Stone Age of the Old World). Alfred Lee Rowell, Dioramist, continued work on a diorama for Hall F (Peoples of Micronesia and Polynesia). Artist-Preparator Susan Schanck designed "The Art of Benin" exhibit and the showing of the Gray photographs of East African tribal life (see page 33), and she assisted in many other aspects of the exhibition program.



MODEL OF  
VANILLA POMPONA

ON EXHIBITION IN  
HALL OF USEFUL PLANTS  
(HALL 28)



# Department of Botany

## Research and Expeditions

Dr. Margery C. Carlson, Associate in Botany, collected several hundred plant specimens for the Museum herbarium during a vacation trip to Hawaii in February and March. She completed identification of the specimens and continued study of plants collected by her in Mexico and Costa Rica in previous years.

Dr. Earl E. Sherff, Research Associate in Systematic Botany, identified collections of Hawaiian plants referred to him by others, with a resultant gain of many specimens for the herbarium.

Dr. Rogers McVaugh, Curator of Vascular Plants at the University of Michigan and Research Associate on the staff of the Museum, completed his manuscript on the Myrtaceae for the *Flora of Guatemala*. He also submitted for prior publication a shorter paper describing new species and changes in names of Guatemalan Myrtaceae. He was in residence at the Museum from mid-July to mid-August to continue work on an annotated catalog of the Sessé and Mociño collection of Mexican plants made in the 1780's. The collection has been on deposit in the Museum from the Instituto "Antonio José Cavanilles," Madrid, Spain, since 1936. He was able to identify most of the undetermined specimens and arrange to have the remainder sent to other specialists. He made a revised annotated list of the collection that now must be further checked against literature, records, and specimens in European herbaria.

Dr. Sydney F. Glassman, of the University of Illinois (Navy Pier, Chicago), completed the manuscript for the second and concluding part (*West Indian Species*), of *A Revision of the Genus Copernicia*. This study of the wax palm was initiated by the late Dr. B. E. Dahlgren, Curator Emeritus, and supported over the years with funds by S. E. Johnson and Son, Inc. Although J. Francis Macbride, Curator of Peruvian Botany, was severely injured in an automobile accident early in the year and disabled for several months, he made progress during the year in his work on the Compositae, a family of plants, for the *Flora of Peru*.

Dr. C. Earle Smith, Jr., former Associate Curator of Vascular Plants, submitted manuscript for two reports on his collections made in 1961 in the Tehuacan area of Mexico when he was Consulting Botanist for the Archaeological-Botanical Tehuacan Project that was conducted by Dr. Richard S. MacNeish of the Royal Ontario Museum and sponsored by the R. S. Peabody Foundation. One

report is on the flora and the other is a history of agriculture in the Tehuacan valley with reference to the origin and spread of certain cultivated plants.

Dr. John W. Thieret, former Curator of Economic Botany, accompanied by Gerald Groves of Salt Lake City and James Delahoussaye, a student at the University of Southwestern Louisiana, spent the month of August making further observations, collections, and photographs to conclude a survey of the vegetation in the Fort Providence–Yellowknife Highway area at the western end of Great Slave Lake. The project was aided by a National Science Foundation grant.

Dr. Patricio Ponce de León, Assistant Curator of the Cryptogamic Herbarium, did local collecting and continued his studies of the genus *Polyporus* as part of a projected revision of New World Polyporaceae. He also made arrangements to receive samples taken monthly from the filters of Chicago's Southside Filtration Plant in order to study the composition and seasonal variation in the phytoplankton of Lake Michigan.

Dr. Louis O. Williams, Curator of Central American Botany, completed his treatment of the Melastomaceae for the *Flora of Guatemala* after a study trip in May during which he spent about one week each at the Gray Herbarium (Cambridge), the New York Botanical Garden Herbarium, and the United States National Herbarium to check Guatemalan Melastomes in those collections. Dr. Williams submitted for publication a preliminary paper containing descriptions of new species, nomenclatural changes, and comments pertinent to the family. He completed manuscript for the plant families Onagraceae and Halorrhagaceae in Guatemala before his departure for further collecting in that country. He arrived at Huehuetenango late in November, and was joined by Antonio Molina, botanist at the Escuela Agrícola Panamericana (Tegucigalpa, Honduras). Field work began immediately and specimens were collected from a number of different localities from which adequate material had not been obtained previously.

Miss Edith M. Vincent, Research Librarian, handled routine operations of the departmental library and in addition remained a rich source of information concerning botanical literature for all who used the library.

## Accessions—Botany

Of 87 accessions (13,219 specimens) recorded for the year, 49 lots amounting to 5,177 specimens were received by gift, 32 lots amounting to 6,771 specimens came on exchange, and 4 lots including 699 specimens were purchased. Once again Holly Reed Bennett, Contributor Member of the Museum, was the donor of the largest number of specimens received in 1962 from one source. His avocational but intensive and thorough collecting in specific areas of western United States produced 3,945 carefully prepared and named specimens of great value to the herbarium. Of special merit also were 1,129 Honduran plants received on exchange from the Escuela Agrícola Panamericana because they add measurably to the representation of Central American plants of which the Museum already has one of the world's richest collections. Other accessions of note included plants from Sarawak and from Bolivia; mosses and liverworts from Great Bear Lake, Northwest Territories, Canada, collected by Dr. William C. Steere (received in an exchange from the University of Michigan); Peruvian plants collected in 1951 and 1956-57 by the Fifth and Sixth Andean Expeditions of the University of California, in which the Museum participated; plants peculiar to beaches of Mexico and the West Indies, from Dr. Jonathan Sauer of the University of Wisconsin; pollen slides based on specimens in the Museum herbarium; and microscope slides of sectioned plant-parts prepared by Professor P. Maheshwari of the University of Delhi, India.

## Care of the Collections—Botany

Dr. Glassman volunteered his services to merge specimens of palms filed in the main herbarium with those specially prepared by the late Dr. Dahlgren and kept in Room 10. In this move some relief of crowded conditions in one section of the main herbarium of vascular plants was obtained, along with the advantage of having all the palm material together. Several thousand unmounted unidentified specimens in storage were organized as to country, collector, and collector's numbers by Assistant Dorothy Gibson with student help. As identifications become available, the referent specimens can now be found readily. Likewise, specimens identified only as to family and stored at the end of family groups in the herbarium were similarly arranged for most families.

Assistant Curator Ponce de León, assisted by Antioch College student Jennifer J. Puleston and DePauw University student Tod Steussy, completed the transfer of all specimens of mosses and hepatics to color-coded folders that are used to indicate geographic location. Transfer operations necessitated numerous identifications and revisions, and included the preparation of new labels and of annotation labels as well as new folders and the remounting of specimens. The transfer of the Polypore family of fungi to color-coded folders also was begun with the help of Donald Saunders and Antioch College student Katherine T. Josephson. Cryptogamic specimens totaling 800 were mounted and added to the Herbarium.

Mrs. Lenore Warner worked on an alphabetical index of type-photographs in families and genera to supplement and cross-reference the numerical indices completed in 1960 and the generic indices completed last year. In continuation of exchange, 7,334 type-photographs were sent to other institutions, 260 were sold, and 730 new negatives were added to the files. A total of 26,732 specimens was mounted and added to the Herbarium of Vascular Plants. Plants were mounted by Mrs. Karoline Benyovszky, and for a part of the year by Peter Feldman and Matthew Richards. Mrs. Jennie Pletinckx did the filing and in the process added Dalla Torre and Harms index numbers to genus folders. Robert Yule performed a number of routine tasks for the herbarium, the departmental file of photographs, and other divisions of the Museum. In addition to 89 visitors recorded as using herbarium specimens for study in the Museum, 10,198 specimens were shipped for study at other institutions in the United States and eleven foreign countries.

## Exhibits—Botany

Construction and placement of remodeled exhibition cases in their new arrangement were completed by the Division of Maintenance in the Hall of Useful Plants (Hall 28). New exhibits of stem fibers (flax, ramie, Indian hemp, jute), of leaf fibers (bow string hemp and New Zealand hemp), of surface fibers (cotton, kapok), and of miscellaneous coarse fibers (brush, broom, bark cloth) were completed except for labeling and small details in some instances. Four case units on spices and two showing gums and pectins were installed. Miniature dioramas of coffee and tea plantations, a cassava field and mill, and a model of a tea bush in flower and fruit were removed from Hall 25 (Food Plants and Palms), where they occupied individual cases, and were placed in Hall 28 in architectur-

ally integral units of the hall. Layout, design, and execution of exhibits were largely the work of Artist-Preparator Samuel H. Grove, Jr., and Artist Robert Anderson. Technician Frank Boryca made plant models for inclusion in various exhibits and Preparator Walter Huebner carved in wood a number of models of fiber and seed anatomy, made display devices, and remodeled interiors of exhibition cases for installation of materials. Almon Cooley trimmed leaves of plant models and completed other routine assignments.



DIAMOND AND PLATINUM CORNUCOPIA PIN

GIFT OF  
SEYMOUR OPPENHEIMER  
MRS. FLORINE G. OPPENHEIMER  
MRS. BABS WEISS

# Department of Geology

## Research and Expeditions

Dr. Eugene S. Richardson, Jr., Curator of Fossil Invertebrates, made eight one-day excursions to the Peabody Coal Company's strip mines in Will and Kankakee counties, Illinois, to collect fossils from a recently discovered fauna contemporary with the well-known Mazon Creek plants and animals. He is studying one of the common and relatively large fossils from this fauna, an invertebrate of unknown affinities.

During the summer Curator Richardson and Chief Preparator Orville L. Gilpin returned to Cottonwood Canyon, in the northern Bighorn Mountains of Wyoming, to collect Early Devonian fossils. Assisted by Peter N. Richardson and David Denison, both making their second trip, and by Steven P. Collings of Rockville, Indiana, long associated with Curator Richardson and Chief Curator Rainer Zangerl in the Museum's Mecca Project (see Annual Report, 1961, page 49), they enlarged the quarry from which Preparator Gilpin, Curator Richardson, and Dr. Robert H. Denison, Curator of Fossil Fishes, had previously made significant collections of primitive armored fishes. Although they collected several fine eurypterids ("sea scorpions"), the fossil fishes were again the more important finds. Besides several articulated specimens of the armored fishes *Protaspis* and *Cardipeltis*, the party recovered an articulated lungfish and two lungfish skulls. The eurypterids of this fauna are at present being studied by Erik N. Kjellesvig-Waering, Research Associate. Two days were spent in Custer County, South Dakota, collecting articulated partial skeletons of Cretaceous mosasaurs, pterodactyls, fishes, and birds under the experienced guidance of Dr. John Clark, of Spearfish, South Dakota.

Curator Denison has spent much of the year in completing his revision of the Cyathaspididae, a family of Silurian and Devonian jawless vertebrates. Included in this is a description of new Canadian material from British Columbia and Northwest Territories collected by the California Standard Company. He has also continued his work on the Early Devonian fishes of Wyoming, concentrating especially on the lungfishes and *Cardipeltis*. His only field work was a trip to a fish-bearing quarry in the Mississippian rocks of eastern Michigan.

Dr. Edward J. Olsen, Curator of Mineralogy, completed a computation of the pressures of oxygen and water that control the

presence of minerals found in serpentinite rocks. The results were especially fruitful since they showed that the metallic iron-nickel alloys found in these rocks are entirely compatible with an origin as secondary minerals. Dr. Olsen continued work on the calculated effect of nickel in similar alloys in meteorites and particularly its effect on the stability of the mineral, cohenite, over which there has been controversy recently. In addition, he has begun initial computations on the stabilities of other meteorite minerals and the solubility of silicon in meteoritic iron. During the year he completed a qualitative study of the trace elements in copper artifacts of North American Indians in co-operation with George I. Quimby, Curator of North American Archaeology and Ethnology. During the summer Curator Olsen made a trip to southern Illinois, where he collected samples of peridotite rock intruding coal beds. These rocks may possibly contain small amounts of natural iron-carbon alloy minerals.

Dr. Bertram G. Woodland, Associate Curator of Petrology, completed studies on a suite of lamprophyric dikes from northeast Vermont and on the thermal metamorphism of pelitic rocks of the Burke area, Vermont. He was also engaged in a detailed study of cone-in-cone structure, utilizing the Museum's collection as well as material he collected in Indiana and Wyoming and other specimens from Nova Scotia, South Dakota, Wyoming, Alabama, Montana, and Iowa donated by other geologists. Dr. Woodland also initiated a petrographic study of the sedimentary rocks of the Bear-tooth formation, Cottonwood Canyon, Wyoming, in collaboration with Curator Richardson, and a study of the micro-structures in the metamorphic rocks of the Royalton area, Vermont. Dr. Woodland spent three weeks in the field studying structures in the Precambrian metamorphic rocks of the southern Black Hills and collecting from many pegmatite quarries in the vicinity and from the the Tertiary extrusive and intrusive rocks of the northern Black Hills. He also made a brief visit to the Museum's quarry in Cottonwood Canyon, Wyoming, and collected in the Cretaceous beds of the Bighorn Basin near Greybull, Wyoming. He identified the types of material in artifacts collected during the Museum's archaeological expedition to the Southwest. Douglas F. Gilbert, James Martin, and David Kuder, Antioch College students, helped in the laboratory and cataloguing work of the petrology section.

William D. Turnbull, Assistant Curator of Fossil Mammals, and Dr. Charles A. Reed, of Yale University, have completed their joint study of an aberrant group of small middle Tertiary burrowing insectivores related to the moles. The work is based upon hun-



dreds of tiny scraps of bone, the only evidence of the existence of this extinct line of animals. The report is the result of intermittent studies over the past six or more years. Turnbull's work on the fossil fauna of the Washakie formation continues and his study of the adaptive types of mammalian masticatory apparatus is nearly complete. During June and July he was in the field in the Northern High Plains and Mountain States on a reconnaissance trip to locate possible Mesozoic and earliest Tertiary mammal localities. Perhaps the most significant find resulted from following a lead called to his attention by Dr. and Mrs. Edmund Vinje of Hazen, North Dakota—the acquisition of a Paleocene faunule from a channel sandstone within the Tongue River formation that outcrops along the Garrison Reservoir. Other notable discoveries were made in the Cretaceous Hell Creek beds and the Oligocene Pipestone Springs beds in Montana.

Harry Changnon, Curator of Exhibits, began work in August on the collection of field data and preparation of a manuscript for a field guide on the geology of the Chicago Region.

Chief Curator Zangerl did preliminary work on peculiar primitive fishes of Pennsylvanian age that occur in the Mecca and Logan Quarry shale of west-central Indiana and spent some time on manuscripts that describe repetitive shield variation in modern turtles and osteogenetic differentiation of the shell in the New Guinea turtle *Carettochelys insculpta*.

## Accessions—Geology

In addition to material collected during the field work mentioned above, the collections were enlarged by gift and purchase. Additional specimens from the Niobrara Chalk of Kansas were purchased from Marion C. Bonner (through the Maurice L. Richardson Paleontological Fund). They include the fishes *Saurodon* and *Cimolichthys*, two mosasaurs, and a wing of the flying reptile, *Pteranodon*.

During the year a magnificent diamond-platinum clip was received as a gift from Seymour Oppenheimer, Mrs. Florine G. Oppenheimer, and Mrs. Babs O. Weiss. In addition, a large specimen (1,575 grams) of rough gem kunzite from Brazil was obtained by purchase. A 47-carat faceted specimen of kunzite from Brazil and a faceted 14-carat crystal of the rare mineral sinhalite from Ceylon were received by exchange. All of these gemstones have been added to the exhibition cases in H. N. Higinbotham Hall (Hall 31, Gems and Jewels). An exchange was completed for eight very large speci-

mens of petrified wood that are beautifully cut and polished and show considerable detail in vascular structure. An exchange was also completed for a specimen of the New Zealand meteorite, Mokoia. The Department of Geophysical Sciences of the University of Chicago presented a fully catalogued collection of economic ores from various North American localities, a collection that was originally amassed by Professor Edson S. Bastin, internationally famous economic geologist.

## Care of the Collections—Geology

Preparation of study specimens has kept the Paleontology Laboratories busy this past year. The Devonian fishes from Cottonwood Canyon, Wyoming, the reptiles and birds from the Pierre Shale of South Dakota, and the mosasaurs and fishes from the Kansas chalk were worked out of the matrix. Plaster reproduction of fossil specimens is rapidly becoming one of our most time-consuming chores. During the year Chief Preparator Gilpin and Preparator Ronald J. Lambert have prepared and sent out a total of 335 casts to four colleges in the United States and to four institutions in foreign countries.

Henry Horback, Assistant, continued work on the preparation of a catalog of the Museum's collection of meteorites, begun by the late Dr. Sharat K. Roy, Chief Curator of Geology. An inventory of all the specimens of stone and iron-stone meteorites and a portion of the iron meteorites has been completed. This involves the checking and rechecking of all pertinent data as to date and locality of fall or find, the classification, description, and weight of each specimen, the number of individuals representing the meteorite, and bibliographic references. All of the iron-stone and iron meteorites in the collection were checked for oxidation and, where necessary, specimens were re-etched and treated with a rust-resisting agent. Sixty-five specimens of tektites from Luzon, Philippine Islands, and twenty from Thailand in addition to two specimens of a stone meteorite from New Zealand were catalogued and numbered, and storage labels and file cards were prepared. During the year a revised classification system was completed for the silicate minerals.

In addition to cataloguing more than 400 fossil vertebrates, Assistant David Techter began the task of reorganizing the fossil plant collection. This involved making standard labels for several hundred specimens and rearranging specimens more compactly by locality. Chih-wei Pan, of the Museum staff, continued the identi-

fication and cataloguing of Cenozoic invertebrates from the extensive Nelson Collection, and Miss Carole Stentz, a summer assistant from Oberlin College, identified and catalogued several hundred Cretaceous specimens from the same collection. Mrs. Maria Weiss, holder of the Museum's Thomas J. Dee Fellowship, was occupied for several months in rearranging portions of the collections of fossil invertebrates.

## Exhibits—Geology

During the year fourteen exhibits were dismantled and reinstalled in the Hall of Economic Geology (Hall 36). New backgrounds were added and labels brought up to date. Special emphasis was given to minerals and rocks that have increased in economic importance. Where necessary, new specimens were added. The section of the hall devoted to useful rocks and non-metallic minerals was completed and work begun on the reinstallation of exhibits of metallic ores. The exhibit of fluorescent minerals was reinstalled with new labels and an improved ultra-violet lamp that greatly increases the intensity of fluorescence of the specimens. Because of the public interest in the earth's moon satellite engendered by the government space-program, a 20-inch detailed identification chart was added to the moon model in Clarence Buckingham Hall (Hall 35, Moon, Meteorites, and Minerals), thus enhancing its usefulness as a study model for Museum visitors. The exhibition program was carried on by Harry E. Changnon, Curator of Exhibits, Associate Curator Woodland, Assistant Horback, and Preparator Henry U. Taylor. Illustrations were made by Mrs. Maidi Wiebe Leibhardt and Dr. Tibor Perenyi, Departmental Artists.

CAMP SITE OF  
WILLIAM S. AND JANICE K. STREET  
IRANIAN EXPEDITION



# Department of Zoology

## Research and Expeditions

Field work was done in North America, South America, Pacific Islands, New Zealand and Australia, the Philippines, Southern Asia, and Africa by members of our staff. In South America one non-staff member completed an expedition that was begun in 1960.

**NORTH AMERICA.** Associate Curator Henry S. Dybas, with Dr. Monte Lloyd of the University of California (Los Angeles), spent five weeks in early summer in Virginia studying an emergence of seventeen-year periodical cicadas and several days surveying areas in southern Illinois and Indiana where they expect to make field studies of thirteen-year periodical cicadas that are scheduled to emerge in 1963.

**SOUTH AMERICA (SURINAM).** In February Harry A. Beatty, of New York, completed his project, begun in 1960, of collecting birds and mammals. Research Curator Philip Hershkovitz and Dr. Jack Fooden, Post-Doctoral Fellow, completed their mammal studies that were begun in 1961.

**PACIFIC ISLANDS, NEW ZEALAND, AND AUSTRALIA.** Curator Alan Solem and Mrs. Solem returned in October from their year's work in the Pacific area. They collected land mollusks on Tahiti, Fiji, New Caledonia, and Malaya, and made smaller collections on weekend trips in New Zealand and Australia. Museum Contributor Rush Watkins spent several months in Tahiti collecting coral-reef fishes.

**PHILIPPINE ISLANDS.** Associate Dioscoro S. Rabor was supported in part for field work (birds) in Palawan, done during his vacation period from Silliman University, where he teaches.

**BORNEO.** Curator Robert F. Inger and Dr. Bernard Greenberg of Roosevelt University made a short trip to Borneo to initiate a study on cycles and population densities of frogs. A graduate student, F. Wayne King, was left with a staff of Dyaks to complete the study.

**SOUTHERN ASIA.** In Nepal, Field Associate Robert L. Fleming continued his field studies of birds as opportunity offered in the vicinity of Kathmandu. Curator Solem (see above) returned from his Pacific area work by way of Malaya, where he was able to make collections of land mollusks. Mr. and Mrs. William S. Street of Seattle, Contributors to the Museum, accompanied by Douglas M. Lay, graduate student from Louisiana State University, as assistant,

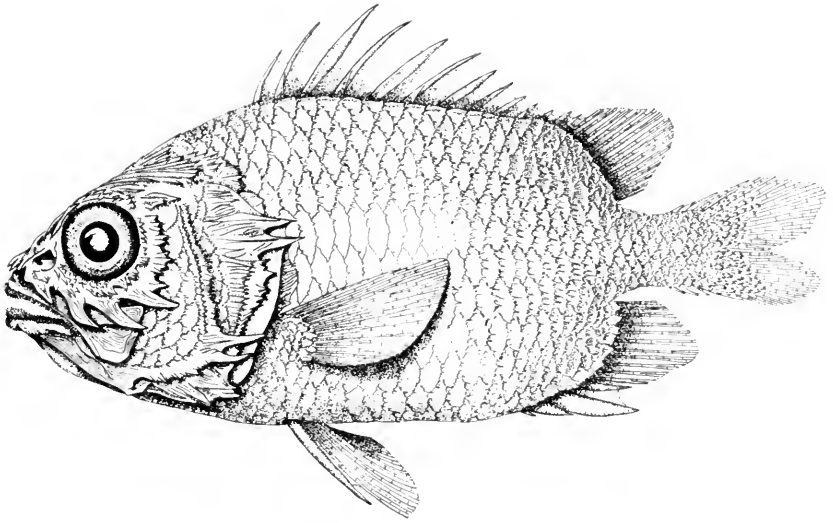
arrived in Iran in July. Their expedition, organized to study and collect mammals, will continue into 1963. Mammals of 90 species were collected by mid-December.

**AFRICA.** In Egypt and the Sudan, Research Associate Harry Hoogstraal continued collecting specimens in connection with his studies of birds and mammals and arthropod-borne diseases. Associate Curator Melvin A. Traylor, Jr., completed his bird studies in Southern Africa, begun in 1961, by collecting in the Ngamiland area of Bechuanaland.

**DIVISION OF MAMMALS.** A taxonomic study, at the generic level, of certain squirrels of southern Asia was completed by Curator Joseph Curtis Moore as part of his continuing interest in this group of mammals. He edited a symposium of eleven papers on marine mammals of the marine shelf of North America and wrote an introduction and a synopsis for it. Curator Moore also completed a study of the relationships of certain beaked whales of the Pacific. The publication of a 524-page study on the evolution of a large and hitherto confused group of South American rodents by Research Curator Hershkovitz marks an important step in documenting their treatment in the check-list of South American Mammals that he is preparing. For the same purpose he revised certain monkeys, and Dr. Fooden completed a revision of another group of monkeys. Douglas M. Lay, the William S. Street Fellow (Mammalogy), completed a short paper of new locality records of some Mexican mammals and of two species hitherto unrecorded for North America. Miss Betsy P. Thompson, Antioch College student, assisted Curator Moore in various aspects of his divisional work.

**DIVISION OF BIRDS.** Curator Emmet R. Blake's work on the birds of South America included the completion of a report on the birds of Sierra Macarena, Colombia, and another on the birds of southern Surinam, the latter based on the collection made there by Harry A. Beatty, in 1960-62. Associate Curator Traylor completed some taxonomic studies on the collection he made early in the year in Africa and completed and submitted for publication his check-list of Angola birds. He also completed a study of fall bird-migration in Egypt in co-operation with Research Associate Hoogstraal's studies on vectors of arthropod-borne diseases, continued studies of birds sent by Field Associate Fleming from Nepal, and began to prepare the section on African waxbills for Peters' *Check-list of Birds of the World*, a publication of Harvard University. Chief Curator Austin L. Rand's bird work was chiefly on a forthcoming handbook of New Guinea birds that is almost finished. He also did some critical studies on Philippine birds with Associate

SPINY SQUIRREL FISH  
FROM DEEP WATERS OFF BRAZIL



MA

Drawing by Mary Ann Holloway

Rabor, who spent part of the summer at the Museum. Associate Ellen T. Smith's activities included measuring series of ducks and geese for inclusion in the next edition of *Handbook of North American Birds*, a volume sponsored by the American Ornithologists' Union.

**DIVISION OF AMPHIBIANS AND REPTILES.** Curator Inger's taxonomic research again centered around the material from Borneo, where he first collected in 1950, and from the Congo, where he collected in 1959. With Dr. Greenberg of Roosevelt University, he completed a study of the breeding cycle of a Borneo frog and began a more comprehensive study of such cycles and population densities of Borneo frogs. With Assistant Curator Hymen Marx, he completed a study of variation in certain primary sex organs (hemipenes) in snakes.

**DIVISION OF FISHES.** Curator Loren P. Woods and Associate Marion Grey continued the taxonomic studies on which they were working last year (see Annual Report, 1961, p. 57).

**DIVISION OF INSECTS.** Curator Rupert L. Wenzel completed the zoogeographical section of his monograph on histerid beetles, genus *Margarinotus*, and, in collaboration with Major Vernon J. Tipton of the United States Army, continued studies on the bat flies of Panama. Studies of ptiliid beetles by Associate Curator Dybas included examination of two fossil specimens of Miocene age from Mexico. Mr. Dybas also made preliminary studies in connection with future studies of periodical cicadas.

Research Associate Charles H. Seevers completed his work on the genera of rove beetles that live with ants. Associate Harry G. Nelson started a paper on the type specimens in the Karl Brancsik collection of Coleoptera acquired by the Museum some years ago. Associate Lillian A. Ross completed a manuscript on Central American spiders of a genus of Micryphantidae. Research Associate Alex K. Wyatt continued to transfer his collection of North American Lepidoptera into standard museum cases. About half of his collection remains to be transferred.

**DIVISION OF LOWER INVERTEBRATES.** Curator Emeritus Fritz Haas completed the first 300 pages of his monograph of the freshwater unionid clams for the series *Das Tierreich* (Berlin). This project was started last year and will be published separately. He also prepared a report on the collection made by Dr. Frederick Medem in Colombia, and, with Dr. Robert Robertson of the Academy of Natural Sciences of Philadelphia, prepared a report on non-marine mollusks from British Honduras.

Curator Solem was away from the Museum most of the year on a field trip begun in 1961. During this time he made detailed studies



on two genera of New Zealand land-snails and assembled material for a review of the Australian endodontid land-snail fauna. From May to September, he visited museums in twenty European cities in search of type specimens and completed diagnoses and descrip-



HAWAIIAN TREE SNAIL  
COLLECTED ON PACIFIC ZOOLOGICAL FIELD TRIP

tions of more than 500 species of endodontid snails, 140 of them new to science.

Assistant Ernest J. Roscoe continued his studies of non-marine mollusks of western North America until his transfer to Raymond Foundation in September.

DIVISION OF ANATOMY. Curator D. Dwight Davis completed his monograph on the anatomy of the giant panda, a project begun in 1938. Other research included a study of relative growth of parts of certain cats, a study of the anatomy of the heart in bears, and a philosophical study of the history of comparative anatomy. Associate Waldemar Meister completed his studies of the histological structure of the long bones in penguins. Research Associate R. M. Strong continued his studies of the anatomy of birds.

The scientific work of the Department of Zoology was aided by grants from the National Science Foundation (6), the National Institutes of Health (1), and the Office of the Surgeon General, United States Army (1).

## Accessions—Zoology

The healthy growth of our collections is shown by the following figures: mammals, 2,638; birds, 4,645; amphibians and reptiles, 5,776; fishes, 4,700; insects, 91,804; lower invertebrates, 11,200 sets, with about 74,000 specimens; anatomy, 73 specimens.

These specimens came in 289 shipments, in large lots and small, from near and far, by gift, purchase, and expedition. Some came direct from the collectors, some were transfers of private collections, some were by exchange with other museums, and some came from the two local zoos. The diversity of these accessions is illustrated by the following entries: 1 frog from Celebes (exchange); 2 bear hearts (gift); 4 waterbugs from Madagascar, Australia, and Solomon Islands (gift); 29,492 beetles from Brazil (purchase); 1 fish from Ecuador (exchange); 279 mammals from Surinam (expedition); 427 amphibians and reptiles from Borneo (purchase); 1,493 birds from Africa (expedition); 1 whale skeleton from Puerto Rico (exchange); 50 lots of land mollusks from British Honduras (gift); 1,276 fishes from Tahiti (expedition).

An outstanding gift was a collection of 4,822 beetles, donated by Harrison R. Steeves, Jr., of Birmingham, Alabama. The meticulously prepared specimens are mostly from Alabama and represent more than 1,000 species, many of them new to the Museum's collections.

## Care of the Collections—Zoology

Such items as these—"specimens were catalogued," "skulls were cleaned," "routine poisoning" or "fumigating," "put more alcohol in specimen jars to replace evaporation loss," "new collection was incorporated," "reorganized collection," "wrote new labels for cases," "specimens were selected for exchange," "returned loans were processed," "more space is needed," "additional help is required"—are commonplace in divisional reports. They reflect the continual pulsing rhythms that add to and maintain a big collection.

Of the other activities that go on continually may be mentioned: the current bibliographic work of Assistant M. Dianne Maurer on Angola birds, the many telephone inquiries answered by Assistant Pearl Sonoda, the illustrating done by Assistant Joan Davis Levin, the skeletons prepared by Osteologist Sophie Andris, and the large mammal-skins prepared by Tanner Mario Villa. Alan D. Havens, Antioch College student, helped with the routine in the Division of Insects.



CHIEF CURATOR RAND AND TAXIDERMIST COTTON  
REVIEW NEW INSECT EXHIBIT

## Exhibits—Zoology

“The Insect World” is the title for a series of new insect exhibits, the first of which was installed and the second nearly finished. The first case shows seven primitive orders from springtails to stoneflies, each order with a panel to itself. Actual insects are shown, and if they are minute, enlarged diagrams are used to show their structure. Collateral material varies but includes such items as growth stages, photographs of habitats, and special features (for example, a Chinese cricket cage and a section of an arboreal nest of termites).

Ideally, when exhibits begin to disintegrate they should be modernized. But practical reasons often dictate that we remove only the evidence of the ravages of time. This exasperating task was carried on with the systematic fish exhibit (Hall O), where crumbling fins were restored. In addition, the renovation of the Texas

coast fish habitat group (Hall O) and of the elephant seal group (Hall N) has been completed and renovation of the hoofed and horned mammals (Hall 13, George M. Pullman Hall) has been started.

This exhibition work was carried on by Taxidermist Carl W. Cotton, Assistant Taxidermist Peter Anderson, and Artist Joseph B. Krstolich. For the insect exhibit, under the direction of Associate Curator Dybas with Assistant August Ziemer preparing the specimens, art work was prepared by Staff Artist E. John Piffner and Staff Illustrator Marion Pahl. Antioch College students Adrian N. DeWind and Alan D. Havens also took an active part in helping to further the insect exhibition work.

The other routine of the taxidermists included helping to prepare skeletons of large animals received in the flesh from the zoos, preparation of mounted birds for the use of Raymond Foundation, and training of a missionary-student, Peter Hocking, in preparing specimens. One of the important intermuseum activities is the demonstration of methods of exhibition and preparation to personnel from other museums. During the year, this courtesy was extended to representatives of about twenty institutions.

LIBRARY OF THE MUSEUM

PUBLIC RELATIONS

SCIENTIFIC SOCIETIES

CO-OPERATION

MOTION PICTURES

PHOTOGRAPHY AND  
ILLUSTRATION

BOOK SHOP

PUBLICATIONS AND  
PRINTING

CAFETERIA

MAINTENANCE, CONSTRUCTION  
AND ENGINEERING



CHINESE TOGGLES  
FROM  
C. F. BIEBER COLLECTION



## LIBRARY OF THE MUSEUM

The Library's holdings during the year increased by 9,784 items, through gifts, exchange, purchase and transfer of additional serials in the natural sciences from The John Crerar Library. These items include books, periodicals, pamphlets, photostats, maps, microfilms, and other library materials. The advancement in scientific progress and the phenomenal increase in research activities in formerly undeveloped areas of the world has increased in no less proportions the amount of scientific information that is published. This has emphasized the problems of selection, acquisition and storage. The Library is concerned with the responsibility of providing the members of the scientific staff with the literature they require, but it is not possible to maintain a complete comprehensive library for information in each of the Museum's fields of scientific endeavor. This is prohibitive financially as well as from the standpoint of space; therefore, it has been expedient to choose what is most important and avoid as much duplication as possible. Decisions in selectivity take time, and this process has been a consistent cooperative effort on the part of the scientific and library staffs. During the year, 1,825 books were accessioned and 9,092 journals were recorded on the Kardex.

Of comparable importance is the program that is required to identify and dispose of portions of the book collections that no longer prove useful to the Library. The program of discarding obsolete, ephemeral and duplicate materials continued with the withdrawal of 375 items. Proceeds from the sale of some of this material amounted to \$1,903.75.

Gifts to the Library are screened carefully because the Library cannot afford to catalog and house them unless they fit into its acquisition program. This opportunity is taken to thank each donor for his generosity and thoughtfulness in contributing to the Library's resources (see list on page 103).

There is an obvious need for physical enlargement of the Library facilities. The current rate of growth has been far in excess of what was anticipated ten years ago. A survey of the situation was made to find a means to rectify the present dilemma and to establish a flexible plan to cope with the future. The survey was projected over the next twenty years. Included in the proposed requirements, insofar as they can be foreseen, is the extent of the Library's program in its relationship to the research program in the scientific divisions; studies of additional space needs; and improvement by means of physical access.

The Reference Division was reorganized in June. Since the Library does not have the manpower to render more than limited reference service, yet definitely recognizes its responsibilities for such work, a re-assignment of staff duties was made in the Reference and Catalog Divisions in order to speed up and improve service to visitors. Activities in the Reading Room during the past year and especially during the last six months indicate a continuing increase in the use of the collections by visitors, and the significance of the Library as a research center has become more and more evident. Reference librarians must keep up to date on new acquisitions and as the cataloging division receives all incoming material almost immediately upon receipt, it was deemed advisable to turn over the supervision of the Reading Room to Mrs. Bertha Gibbs and Mr. W. Peyton Fawcett of the Cataloging Division, who now serve in the Reading Room during alternate monthly periods. It is important that the catalogers know the needs of the readers who seek the Library resources, and the alternate monthly period in the Reading Room enables them to keep in touch with the needs of the card catalog. This information enhances the contributions made to the card catalog by catalogers in their selection of subject heading material. These contributions provide an extremely effective key to the Library's resources. Thus, this arrangement serves a dual purpose.

Mere statistics do little to reveal the high quality of service given by the reference staff in personal assistance to visitors in pursuit of information; 678 visitors consulted the Library's resources during the year, and 2,583 volumes were circulated to readers. Reference questions often take the form of telephone inquiries and 340 such queries were handled by the Reference Staff.

The new arrangement in the Reading Room enabled Mrs. Eugenia Jang, who had had sole supervision of the Reading Room together with her many other duties, to devote her attention to the recording on the Kardex of incoming serials, to watch for gaps in receipts and write for missing issues, to oversee the distribution of serials to the departmental and divisional libraries, and to expedite the service of interlibrary loan. As has been customary, a good deal of material was lent to other organizations and institutions during the year and the Museum Library, in turn, borrowed books to supplement its resources. The number of items borrowed and lent amounted to 358.

A section of 71 trays was added to the general card catalog in the main library. The cards constituting the catalog in both the *Author and Title* and the *Subjects* sections have been redistributed



in the total space now available. At the same time, numerous duplicate and inaccurate cards were removed from the "unrevised" portions of both sections, further relieving the congestion. The catalog now presents an improved appearance, and its use has been greatly facilitated by the creation of additional space.

The project for the creation of a *Subject Headings Authorities File*, begun in 1961, has been carried forward by the typing of cards for subjects under the letters H through N. The File is now completely revised through the letter F. During 1962 the cataloging division revised 2,588 subject headings and cross-references and added an additional 565. Miss Evelyn L. Smith, a very able Antioch student who worked in the Library from October through December, prepared subject headings and cross-reference cards for the letters H-N. During the year 4,891 cards were added to this file. These will be revised by the Cataloging Division to eliminate duplication and to provide additional cross-references.

The *Authors Authorities File* received 1,265 additional cards, including the complete names and pertinent data on authors, societies, museums, government bureaus of various countries, etc. This file is used by the catalogers to ensure accuracy, uniformity and consistency in catalog entries, and is amply cross-indexed to cover variant forms of names and designations. Duplicate cross-references are filed in the main catalog for both subjects and authors, to help users who wish to locate any desired entry.

Further progress in the reclassification of the older holdings of the Library, with special emphasis on serials, has been made.

During the year, 3,271 volumes, comprising 387 titles, were reclassified according to the Library of Congress scheme. Each item was also completely recataloged and new cards were prepared, containing accurately verified bibliographical data. The volumes were relabeled and cleaned, and many were repaired and rebound.

New acquisitions in the number of 1,163 have been processed, including 2,178 volumes. 766 cards describing the Library's holdings of new, rare, or unique works, and also including analytics for articles in serials not analyzed by the Library of Congress, were submitted to the *National Union Catalog*. Entries were also submitted to be included in *New Serial Titles*, issued monthly with annual cumulations by the Library of Congress. Altogether, 1,550 titles comprising 5,449 volumes were processed, and 1,351 analytics were made for monographs and selected subjects not included in published indexes. A total of 14,094 cards were filed in the general and departmental card catalogs.

In the East Asia Division of the Library the revision and typing of permanent main entry cards based on the original hand-written slips continued during the year; 296 main entries, including cards for separate works, serials and analytics, were typed and filed in the catalog of that division. Each of these cards contains bibliographical data in romanized Chinese and Chinese calligraphy, with English translation of the title and collation and notes in English.

The most rapidly growing section of the Library is the collection of periodicals, received on exchange and by purchase. The Library has continued to develop its system of exchanges, domestic and foreign, with academies, learned societies, universities and research institutions. During the year 27 additional formal exchange agreements were concluded, and some informal agreements were negotiated; 41 older exchanges were revised, others expanded, curtailed or cancelled.

In accordance with its usual practice as a service to Museum staff members, the Library translated 249 items into English.

This year 1,269 volumes, the greater portion comprising serial publications, were prepared for shipment to the bindery. The rapid deterioration of modern printing paper presents a grave problem, and improved methods of book repair were studied and applied, together with preservative measures, to 606 volumes; 4,812 volumes were labeled. The arduous task of alleviating crowding, not only in the general library but also in the departmental libraries, was undertaken by Mr. Stosius.

Under the student training program offered by Antioch College, the Library was again fortunate in having the temporary but very able services of Miss Sally Thomasson, Miss Margaret Harton, and Miss Evelyn L. Smith.

## PUBLIC RELATIONS

During 1962 the efforts of the Division of Public Relations were concentrated on developing a balanced program of informing the public about the Museum's functions, from the acquisition and preservation of collections through research, education, and exhibition.

Information about five Museum zoological expeditions was featured in all metropolitan and many suburban newspapers. Well-illustrated articles on two important anthropological acquisitions and on the Pacific Research Laboratory emphasized the preservation of collections in the Department of Anthropology. Research being done in the Departments of Geology, Botany, and Zoology was featured in articles by science writers for the Chicago newspapers, and carried by the *New York Times* and the national press services.

Publicity for the Museum's educational program stressed the work of the Raymond Foundation and the adult lecture series. The inauguration of the Holiday Science Lectures for selected high school students received special attention with the arrangement of a press luncheon and the distribution of a press kit describing the origin and purposes of this distinguished program. Broadcasting and newspaper media responded with extensive coverage.

The Museum's exhibition program continued, for publicity purposes, to be divided into two categories: the monthly featured exhibits and the special exhibits. For the first group, especially fine newspaper publicity appeared on the newly installed Maori council house; the new permanent exhibit, "The Human Image in Primitive Art"; and the exhibit on diatoms in Chicago's water.

The schedule of special exhibitions was climaxed during the summer by the "Tutankhamun Treasures," followed in the fall by "The Art of Benin." The outstanding attendance record for the "Tutankhamun Treasures" was undergirded by the most comprehensive publicity campaign yet undertaken by the Division of Public Relations. In addition to excellent response by metropolitan newspapers, articles appeared in downstate and nearby state newspapers and in news media abroad. Many company publications carried information, and the Illinois Central Railroad and Chicago Transit Authority made advertising space available on their stations and vehicles. In addition, circulars were distributed to selected mailing lists, posters were displayed in schools and universities, and an exhibit of appropriate books was arranged in the Chicago Public Library. Broadcast coverage included filming of the exhibition opening by all Chicago television stations and by Movietone Newsreel. Several important programs featuring the exhibition were subsequently arranged on

local radio and television stations. Only a slightly less extensive campaign was carried out for "The Art of Benin," including notice in the "Life Guide" section of *Life* magazine, features in the *Chicago Defender* and *Ebony* magazine, and fine photographic reproductions of several Benin bronzes in *Perspective* magazine.

Appropriate publicity was also planned for six other special exhibits during the year. Of these, special mention should be made of the delightful pictures from the annual exhibit of the Junior School of the Art Institute, which were reproduced in all four Chicago newspapers.

Throughout 1962, the *Bulletin* continued to be used by many newspapers and magazines throughout the country as an important source of feature material.

The Museum wishes to express appreciation for the generous cooperation of many news media in our public relations program. In particular, thanks are due *Chicago's American*, the *Chicago Daily News*, the *Chicago Sun-Times*, and the *Chicago Tribune*; ABC, CBS, NBC, and WGN radio and television; educational television station WTTW, and radio station WFMT. We also thank the many suburban and neighborhood newspapers who consistently reported Museum activities, the Associated Press, United Press International, and Central Press Association, who were most helpful in carrying news beyond the Chicago metropolitan area.

#### NATIVE MODEL OF SKIN-COVERED BOAT



ALEUTIAN ISLANDS  
CA. 1870

## ACTIVITIES OF STAFF MEMBERS IN SCIENTIFIC AND PROFESSIONAL SOCIETIES

Dr. Paul S. Martin, Chief Curator of Anthropology, and Mr. George I. Quimby, Curator of North American Archaeology and Ethnology, attended the annual meetings of the Society for American Archaeology, in Tucson, Arizona. Dr. Martin presided over a session on southwestern archaeology and Mr. Quimby was chairman of a session on the archaeology of the eastern United States. Dr. Donald Collier, Curator of South American Archaeology and Ethnology, attended the annual meetings of the Central States Anthropological Society, in St. Louis, Missouri, and the International Congress of Americanists, in Mexico City.

Dr. Martin and Dr. John B. Rinaldo, Associate Curator of Archaeology, attended the annual Pecos Conference at Globe, Arizona, and the Southwestern Ceramic Conference at Flagstaff, Arizona. Curators Martin, Rinaldo, Quimby, Collier, and Lewis were present at the annual meeting of the American Anthropological Association, in Chicago. Dr. Collier was a member of the program committee and served as chairman for one session. Curator Quimby was chairman of the committees for local arrangements for the meeting of the Association. He was also appointed to the nominating committee of the Society for American Archaeology.

Chief Curator of Botany John R. Millar, Dr. Louis O. Williams, Curator of Central American Botany, and Dr. Patricio Ponce de León, Assistant Curator of the Cryptogamic Herbarium, attended the Annual Symposium on Systematics, in St. Louis. Mr. Millar also attended the annual meeting of the American Institute of Biological Sciences, in Corvallis, Oregon. Dr. Williams attended the Neotropical Botanical Conference sponsored by the National Science Foundation and held at the Imperial College of Tropical Agriculture of the University of West Indies, in Trinidad.

Dr. Rainer Zangerl, Chief Curator of Geology, Dr. Robert H. Denison, Curator of Fossil Fishes, and Mr. William D. Turnbull, Assistant Curator of Fossil Mammals, attended the annual meeting of the Society of Vertebrate Paleontology. Dr. Denison was elected President of the Society and Dr. Zangerl was re-elected Secretary-Treasurer. Assistant Curator Turnbull reported on his studies of *Arctoryctes-Cryptoryctes*.

Dr. Austin L. Rand, Chief Curator of Zoology, Mr. Emmet R. Blake, Curator of Birds, and Mr. Melvin Traylor, Associate Curator of Birds, attended the meetings of the XIIIth International Ornithological Congress, in Ithaca, New York. Mr. Blake served

as chairman of the nominating committee. Dr. Rand also attended the annual meeting of the American Ornithologists' Union, in Salt Lake City, and the sessions of the Wilson Ornithological Club, at Purdue University. He was elected President of the Ornithologists' Union.

Dr. Joseph C. Moore, Curator of Mammals, and Mr. Philip Hershkovitz, Research Curator, attended the annual meeting of the American Society of Mammalogists, at Middlebury College, in Vermont. Dr. Moore was elected to the Board of Directors of the society and was re-appointed chairman of its Committee on Marine Mammals. Mr. Hershkovitz was re-appointed to the Committee on Nomenclature. Dr. Moore and Mr. Hershkovitz also attended the symposium on New World Primates during the annual meeting of the American Anthropological Association, in Chicago, and Mr. Hershkovitz attended the Pan American Institute of Educational Relations, in Chicago.

Dr. Robert F. Inger, Curator of Amphibians and Reptiles, and Mr. Loren Woods, Curator of Fishes, were present at the meetings of the American Society of Ichthyologists and Herpetologists, in Washington, D.C., and Mr. Woods also attended the Conference on the International Indian Ocean Expedition, in Washington.

Dr. Rupert Wenzel, Curator of Insects, continued his work on the Nomenclature Committee of the Entomological Society of America. Mr. Henry S. Dybas, Associate Curator of Insects, attended the meetings of the north central states branch of the Entomological Society of America in Minneapolis. He was elected chairman of the systematics section and was placed on the program committee.

Dr. Fritz Haas, Curator Emeritus of Lower Invertebrates, and Dr. Alan Solem, Curator, were present at the meetings of the First European Malacological Congress, in London. Dr. Haas was elected an honorary member of the Deutsche Malakozoologische Gesellschaft in recognition of his contributions to malacology. Mr. D. Dwight Davis, Curator of Vertebrate Anatomy, attended the meetings of the American Society of Ichthyologists and Herpetologists in Washington, D.C., and the meeting of the American Society of Zoologists in Philadelphia.

Mr. E. Leland Webber, Director, and Miss Miriam Wood, Chief of Raymond Foundation, attended the Midwest Museums Conference, in Minneapolis. Mr. Webber participated in a panel discussion entitled "Museums—Their Programs and Problems." Miss Wood also attended the Sixth General Conference of the International Council of Museums, which met in The Hague, in The

Netherlands. The Director also attended the Conference of Directors of Systematic Collections in Washington, D.C., and the annual meeting of the American Association of Museums in Williamsburg.

Miss Lillian A. Ross, Associate Editor of Scientific Publications, attended the Conference of Biological Editors in New Orleans, where she participated in a panel discussion of redactory services for publications in foreign languages.

Members of the Library staff attended local meetings of the American Library Association and the Special Libraries Association.

Many scientific journals are edited wholly or in part by members of the Museum staff. These include Curator Williams, *Economic Botany*; Curator Davis, *Evolution* and the *Journal of Morphology*; Assistant Curator Turnbull, *News Bulletin of the Society of Vertebrate Paleontology* and *Säugetierkundliche Mitteilungen* (Stuttgart, Germany); Curator Inger, *Copeia*; Curator Collier, *American Antiquity*; Associate Curator Rinaldo, *Archives of Archaeology*; and Curator Woods, *The American Midland Naturalist*.

The members of the Museum's scientific staff contributed many articles to various journals and also published numerous books on subjects within the Museum's area of research. A list of these articles and books can be found on page 82.



LEAF INSECT  
FROM  
TROPICAL ASIA

## CO-OPERATION WITH OTHER INSTITUTIONS

Dr. Paul S. Martin, Chief Curator of Anthropology, lectured at the University of Illinois and the University of Arizona. Dr. Martin, Dr. Donald Collier, Curator of South American Archaeology and Ethnology, Dr. Kenneth Starr, Curator of Asiatic Archaeology and Ethnology, and Mr. George I. Quimby, Curator of North American Archaeology and Ethnology, taught courses in the Department of Anthropology of the University of Chicago. Mr. Quimby also lectured at the Michilimackinac Historical Society in Michigan. He was appointed a Collaborator of the United States National Park Service, and served on the advisory board of the archaeological salvage project at Ocmulgee National Monument in Georgia. The Museum continued the course in museology given by the Department of Anthropology in co-operation with the University of Chicago Department of Anthropology. Fecadu Gadamu, from Ethiopia, held the Museum Fellowship of the University of Chicago during the first half of the year, and his work at the Museum continued into the fall.

Dr. Rainer Zangerl, Chief Curator of Geology, taught a course in histology for paleontologists to advanced students of paleozoology of the University of Chicago. The University course on vertebrate paleontology was offered this year at the Museum by Dr. Everett Olson, Research Associate. One of the lectures in this course was given by Dr. Robert Denison, Curator of Fossil Fishes, and another by Mr. William Turnbull, Assistant Curator of Fossil Mammals. Dr. Edward Olsen, Curator of Mineralogy, received an appointment as lecturer in the Department of Geophysical Sciences of the University of Chicago. Dr. Olsen also began a study of meteorites in co-operation with Dr. Robert Mueller, of that Department. Dr. Bertram G. Woodland, Associate Curator of Petrology, lectured to the Northwestern University Geology Club.

A course in Zoogeography, Phylogeny and Evolution was presented at the Museum for a University of Chicago class. The Museum staff lecturers were Dr. Austin Rand, Chief Curator of Zoology; Dr. Rupert L. Wenzel, Curator of Insects; Dr. Robert Inger, Curator of Reptiles and Amphibians; Mr. Henry Dybas, Associate Curator of Insects; Mr. Loren Woods, Curator of Fishes; Mr. Philip Hershkovitz, Research Curator of Mammals; Mr. D. Dwight Davis, Curator of Vertebrate Anatomy; Dr. Zangerl and Mr. Turnbull.

Curator Davis lectured at Harvard University in a seminar on comparative anatomy. He also lectured at the University of Illi-



nois and the University of Chicago, and he supervised the studies of a graduate student from the University of Chicago. Dr. Inger conducted a seminar at the University of Southern California and lectured at the San Diego State College and the University of Chicago. Dr. Wenzel was appointed Lecturer in Zoology at the University of Chicago. Mr. Dybas presented a course in entomology at Northwestern University. Mr. Woods gave a series of three lectures at Harvard University and Dr. Alan Solem, Curator of Lower Invertebrates, lectured at the University of Hawaii and several other overseas institutions. Dr. Alfred E. Emerson, Research Associate, was honored by being elected to the National Academy of Sciences.

The following Museum staff members lectured at the Chicago Academy of Sciences during the year: Dr. Louis O. Williams, Curator of Central American Botany; Dr. Joseph Moore, Curator of Mammals; Mr. Quimby; Mr. Turnbull; Mr. Davis; and Dr. Wenzel. Mr. Harry E. Changnon, Curator of Exhibits, conducted nine field trips for the Academy as part of a series of physical science lectures and field trips given for local science teachers and students under the sponsorship of the National Science Foundation. Dr. Zangerl and Dr. Eugene Richardson, Curator of Fossil Invertebrates, lectured in this series.

Under the co-operative plan adopted in 1946 by the Museum and Antioch College fourteen students were employed in 1962 by the Museum (their names are listed in appropriate places in this Report). The Museum lent Tibetan masks to the University of Indiana and Chinese jades to the University Museum in Philadelphia. The exhibit of "Tutankhamun's Treasures" was installed jointly by the Oriental Institute and the Museum. Assistance was given by Dr. Pinhas Gelougaz, Dr. Helene J. Kantor and Mr. Robert Hansen of the Institute. A part of the Museum's collection of Tibetan xylographs was microfilmed and described under the supervision of Mr. Chih-wei Pan, of the Museum library staff. This project was carried out jointly with the staff of the Inner Asian Project of the Far Eastern and Russian Institute of the University of Washington.

The facilities of the Museum were used by universities and colleges of the United States and Canada. Supervised classes from a number of art schools continued to use the Museum exhibits as part of their regular classroom work in sketching, painting and modeling. In May the results of the work from classes of the School of the Art Institute of Chicago were featured in a special exhibit in the Museum.

The Chicago Area Science Fair (sponsored by the Chicago Teachers' Science Association) and Chicago Latin Day (sponsored by the Illinois Classical Conference for Latin students of the Chicago area), in which about 1,500 students participated, were also held in the Museum in May.

Twelve Senior Girl Scouts from the Chicago Girl Scout Council were trained as Museum Aides to assist in Museum work, especially in Nature Proficiency Badge Girl Scout programs. A group of eight Senior Girl Scouts from the South Cook County Girl Scout Council was trained to usher at the Audubon illustrated lectures.

Scientists from all over the world visited the Museum to study the collections and use the laboratories and workrooms of the four scientific departments.

Meetings were held at the Museum during the year by various organizations working in fields related to the scope of the Museum, among them the Illinois Audubon Society, Illinois Orchid Society, Illinois Garden Guild, Kennicott Club, Nature Camera Club, Citizenship Council of the Board of Education, Adult Education Council, Chicago Police Academy, and Chicago Chamber Orchestra Association. The Free Concerts Foundation presented six concerts in the James Simpson Theatre.

## MOTION PICTURES

During the year the photography, editing, and script preparation for the Museum's new film (yet to be titled) were completed. Prints will be made and sent to the many schools and organizations that have requested this new film after screening "Through These Doors," the current Museum film that was produced in 1950. During the year a new opening sequence with the Director of the Museum and other new scenes were filmed for "Through These Doors" to keep it up to date. This year the film was sent to 88 schools and organizations throughout the Chicago area, and requests from other parts of the country and from Canada for its loan also were filled.

General inspection, which includes the repair, cleaning, and replacement of damaged sections of films, was carried out on the usual twice-a-year plan for all film-subjects in the Film Library. Cataloguing and accessioning of all films, now numbering 111 complete productions on various natural-history subjects, were continued, as was checking of the thousands of feet of film in the footage library. Requests for loan of films by Raymond Foundation, Museum staff, and outside sources were filled.

## PHOTOGRAPHY AND ILLUSTRATION

Work of the Division of Photography is integral to many aspects of the Museum program—scientific and popular publications, exhibition, research activities of the staff and others in the scientific community, and audio-visual aids. Thus, a notable variety of work is completed. During 1962, 35,116 prints and 2,428 new negatives were prepared.

Major projects included a large number of photographs of the Fuller and the Museum Benin collections, many of which appeared in the exhibition catalogue, *The Art of Benin*; and the completion of the first 35 color transparencies of the unique Stanley Field collection of plant models. The latter are the first units of a projected series of botanical teaching aids.

The exhibition program, scientific illustration, and design for public relations purposes placed a heavy burden on the Division of Illustration. Through close collaboration and sharing of responsibilities between the Staff Artist and the Staff Illustrator, balanced and effective accomplishment in all fields resulted during the year.

## BOOK SHOP

In terms of concentrated usage of space, the Book Shop ranks high among the divisions of the Museum. More than 600 different books and 800 novelties are normally on sale in only 800 square feet of sales area. Sales during the year were \$182,327, a slightly lower total than 1961 sales.

## PUBLICATIONS AND PRINTING

Distribution of Museum publications totaled 94,635 copies, of which 75,601 were sold and 19,033 were distributed to other institutions and to individuals under exchange agreements.

Publications issued by the Museum in 1962 are listed on the following pages. Of these, copies printed by the Museum Press totaled 57,097, from 2,091 pages of type composition. Twelve issues of *Chicago Natural History Museum Bulletin* were printed, averaging 9,248 copies an issue.

Harold M. Grutzmacher, who was placed in charge of the Division of Printing upon the resignation of Raymond H. Hallstein, Sr., capably handled the increased responsibility.

## MUSEUM PUBLICATIONS IN 1962

### DEPARTMENT OF ANTHROPOLOGY

ANGRESS, SHIMON, and CHARLES A. REED

*An Annotated Bibliography on the Origin and Descent of Domestic Mammals, 1900-1955.* Fieldiana: Anthropology, vol. 54, no. 1, 139 pp.

MARTIN, PAUL S., JOHN B. RINALDO, WILLIAM A. LONGACRE, CONSTANCE CRONIN, LESLIE G. FREEMAN, JR., and JAMES SCHOENWETTER

*Chapters in the Prehistory of Eastern Arizona, I.* Fieldiana: Anthropology, vol. 53, 245 pp., 78 illus., 1 map.

RITZENTHALER, ROBERT E., and GEORGE I. QUIMBY

*The Red Ocher Culture of the Upper Great Lakes and Adjacent Areas.* Fieldiana: Anthropology, vol. 36, no. 11, 33 pp., 12 illus.

### DEPARTMENT OF BOTANY

MACBRIDE, J. FRANCIS

*Flora of Peru.* Botanical Series, vol. xiii, pt. v-b, no. 1, 267 pp.

MATHIAS, MILDRED E., and LINCOLN CONSTANCE

*Flora of Peru.* Botanical Series, vol. xiii, pt. v-a, no. 1, 97 pp.

STANDLEY, PAUL C., and LOUIS O. WILLIAMS

*Flora of Guatemala.* Fieldiana: Botany, vol. 24, pt. vii, no. 2, 100 pp., 19 illus.

WILLIAMS, LOUIS O.

*Tropical American Plants, III.* Fieldiana: Botany, vol. 29, no. 7, 17 pp., 3 illus.

### DEPARTMENT OF GEOLOGY

DENISON, ROBERT H.

*A Reconstruction of the Shield of the Arthrodire, Bryantolepis brachycephalus (Bryant).* Fieldiana: Geology, vol. 14, no. 6, 6 pp., 4 illus.

ROY, SHARAT KUMAR, JEWELL J. GLASS, and EDWARD P. HENDERSON

*The Walters Meteorite.* Fieldiana: Geology, vol. 10, no. 37, 12 pp.

### DEPARTMENT OF ZOOLOGY

BAKER, EDWARD W., and A. EARL PRITCHARD

*Macfarlaniella, a New Genus of False Spider Mites (Acarina: Tenuipalpidae).* Fieldiana: Zoology, vol. 44, no. 15, 3 pp., 1 illus.

BLAKE, EMMET R.

*Birds of the Sierra Macarena, Eastern Colombia.* Fieldiana: Zoology, vol. 44, no. 11, 44 pp.

*A New Race of Penelope montagnii from Southeastern Peru.* Fieldiana: Zoology, vol. 44, no. 14, 2 pp.

HAAS, FRITZ

*A New Species of Land Snail from Bolivia.* Fieldiana: Zoology, vol. 44, no. 10, 2 pp., 1 illus.

HERSHKOVITZ, PHILIP

*Evolution of Neotropical Cricetine Rodents (Muridae) with Special Reference to the Phyllotine Group.* Fieldiana: Zoology, vol. 46, 527 pp., 124 illus.

INGER, ROBERT F., and CHIN PHUI KONG

*The Fresh-Water Fishes of North Borneo.* Fieldiana: Zoology, vol. 45, 268 pp., 120 illus.

KING, WAYNE

*A New Gekkonid Lizard of the Genus *Cyrtodactylus* from the Philippine Islands.* Fieldiana: Zoology, vol. 44, no. 13, 4 pp., 1 illus.

MCDANIEL, BURRUSS, JR., and EDWARD W. BAKER

*A New Genus of Rosensteiniidae (Acarina) from Mexico.* Fieldiana: Zoology, vol. 44, no. 16, 5 pp., 2 illus.

TRAYLOR, MELVIN A.

*New Birds from Barotseland.* Fieldiana: Zoology, vol. 44, no. 12, 3 pp.

#### JAMES NELSON AND ANNA LOUISE RAYMOND FOUNDATION

FLEMING, EDITH

*Life in a Mexican Town.* Museum Storybook [9 Museum Stories], 21 pp., 9 illus., paperbound.

#### OTHER MUSEUM PUBLICATIONS

DARK, PHILIP J. C.

*The Art of Benin, A Catalogue of an Exhibition of the A. W. F. Fuller and Chicago Natural History Museum Collections of Antiquities from Benin, Nigeria* [edited by Phillip H. Lewis and Donald Collier]. 124 pp., 48 illus., 1 map.

*General Guide, Chicago Natural History Museum.* 47 pp., 32 illus., floor plans, map [forty-first edition].

*Report of the Director to the Board of Trustees for the Year 1961.* 167 pp., 18 illus.

#### CHICAGO NATURAL HISTORY MUSEUM BULLETIN

*Chicago Natural History Museum Bulletin*, vol. 33 (1962), 12 nos., 96 pp., illus.

#### ARTICLES AND REVIEWS BY STAFF MEMBERS OF CHICAGO NATURAL HISTORY MUSEUM IN VOLUME 33 OF THE BULLETIN

COLLIER, DONALD

*The Mystery of the Toltec Head*, no. 6, p. 3, 3 illus.

DAVIS, D. DWIGHT

*The Human Skull—an Evolutionary Puzzle*, no. 11, pp. 6–8, 3 illus.

EVENSON, JOANNE

*Museum Education Reaches Out to the Blind*, no. 2, p. 8, 1 illus. and cover picture.

FLEMING, ROBERT L.

*Scientific Expedition to the Himalayas*, no. 2, pp. 4–7, 1 illus.

- HAAS, FRITZ  
 REVIEW OF *Sea Shells of the World*, by R. TUCKER ABBOTT, no. 7, p. 8.
- HERSHKOVITZ, PHILIP  
*Bats and Their Menus*, no. 8, pp. 2-3, 5, 8, 4 illus.  
*Suriname Zoological Expedition*, no. 4, pp. 3, 7-8, 2 illus.
- INGER, ROBERT F.  
*Departure of Borneo Zoological Expedition*, no. 8, pp. 4-5, 3 illus.  
*Rare Lizard Reaches Museum*, no. 3, p. 7, 1 illus.  
 REVIEW OF *The Giant Snakes*, by CLIFFORD H. POPE, no. 6, p. 8.
- JINDRICH, MARILYN K.  
*Cricket Warriors and Musicians of China*, no. 7, pp. 2-3, 2 illus. and cover picture.  
*New Maori Family "At Home" in Polynesian Hall*, no. 1, pp. 2-3, 4 illus. and cover picture.
- LEWIS, PHILLIP H.  
*The Art of Benin*, no. 10, pp. 2-3, 4 illus. and cover picture.  
*The Human Image in Primitive Art*, no. 5, pp. 2-3, 6 illus.
- LISS, ALLEN S.  
 REVIEW OF *Chicago Area Archaeology* (edited by ELAINE A. BLUHM), no. 6, p. 8.
- MILLAR, JOHN R.  
*The Cannonball Tree*, no. 2, pp. 3, 7, 2 illus.
- MOORE, JOSEPH CURTIS  
*Scientific Rarities from Ceylon*, no. 7, pp. 5, 8.
- NELSON, PAULA R.  
*March Exhibits*, no. 3, p. 3, 1 illus.  
*The Nile Crocodile*, no. 7, pp. 6-7, 2 illus.
- OIKONOMIDES, AL. N.  
*Serapis, The Great God of Hellenistic Egypt and the Greco-Roman World*, no. 12, pp. 2-3, 8, 5 illus.
- OLSEN, EDWARD J.  
*At Sea on a Continent!* no. 9, pp. 6-8, 2 illus.  
*Fluorescent Minerals*, no. 10, pp. 7-8.
- PONCE DE LEON, PATRICIO  
*Microscopic Plants: "Lake Michigan's 'Jewels,' "* no. 9, pp. 2-3, 1 illus. and cover picture.
- RAND, AUSTIN L.  
*A Decorated Inchworm*, no. 8, pp. 7-8, 1 illus.  
*A Zoological Expedition to the Philippines*, no. 5, pp. 4-5, 7-8, 1 illus.  
*January through the Latitudes*, no. 1, pp. 4-5, 12 illus.  
 REVIEW OF *The Bird Watcher's Guide*, by HENRY HILL COLLINS, JR., no. 6, p. 8.
- ROSCOE, ERNEST J.  
*The Unusual Is Where You Find It*, no. 6, p. 7.
- SOLEM, ALAN  
*Portrait of a Collector*, no. 6, pp. 6-7.

STREET, JANICE K.

*Field Work in Iran Continues*, no. 12, pp. 6-8, 2 illus.

STREET, WILLIAM S.

*A Field Report from Iran*, no. 11, pp. 2-3, 8, 2 illus. and cover picture.

WOODS, LOREN P.

*Sea Lamprey Exhibit Shows Different Feeding Structures of Larvae and Adults*, no. 3, pp. 6-7, 3 illus.

## OTHER PUBLICATIONS OF STAFF MEMBERS IN 1962

### DEPARTMENT OF ANTHROPOLOGY

COLLIER, DONALD

"The Central Andes." *Courses Toward Urban Life* (edited by Robert J. Braidwood and Gordon R. Willey) [Viking Fund Publications in Anthropology, no. 32, New York], pp. 161-176.

"Museums and Ethnological Research." *Alfred Kroeber, a Memorial* [Kroeber Anthropological Society Papers, no. 25, Berkeley], pp. 149-154 (also published in *Curator*, vol. V, no. 4, pp. 322-328).

REVIEW OF *Anthropology and the Public: the Role of Museums* (by H. H. Frese). *Current Anthropology*, vol. 3, no. 2, p. 218.

REVIEW OF *The Ethnobotany of Pre-Columbian Peru* (by Margaret A. Towle). *American Scientist*, vol. 50, no. 4, pp. 416A, 418A.

LEWIS, PHILLIP H.

"The New Hall of Primitive Art at Chicago Natural History Museum." *The Delphian Quarterly*, vol. 45, no. 3, pp. 5-8, 21, 2 illus.

REVIEW OF *Indian Art in America* (by Frederick J. Dockstader). *American Antiquity*, vol. 27, no. 3, pp. 429-430.

MARTIN, PAUL S.

"Archaeological Investigations in East Central Arizona." *Science*, vol. 138, no. 3542, pp. 825-827.

QUIMBY, GEORGE I.

"A Year with a Chippewa Family, 1763-1764." *Ethnohistory*, vol. 9, no. 3, pp. 217-239.

"Alexander Henry in Central Michigan, 1763-1764." *Michigan History*, vol. 46, no. 3, pp. 193-200.

"Comment on the Paleo-Indian Tradition in Eastern North America." *Current Anthropology*, vol. 3, no. 3, p. 262.

"Old Copper Artifacts from Chicago." *Chicago Area Archaeology* [Illinois Archaeological Survey, Inc., Bulletin no. 3, University of Illinois], pp. 35-36.

"Omaha Kinship Terminology and Spruce-fir Pollen." *American Antiquity*, vol. 28, no. 1, pp. 91-92.

REVIEW OF *Prehistoric Copper Mining in the Lake Superior Region* (edited by Roy Ward Drier and Octave Du Temple). *Michigan History*, vol. 45, no. 4, pp. 377-378.

REVIEW OF *The Archeology of Corcajou Point* (by Robert L. Hall). *Journal of the Illinois State Historical Society*, Winter, 1962, pp. 421-422.

"The Age of the Oconto Site." *The Wisconsin Archeologist*, vol. 43, no. 1, pp. 16-19.

RINALDO, JOHN B.

REVIEW OF *Survey and Excavations in Lower Glen Canyon, 1952-1958* (by William Y. Adams, Alexander J. Lindsay, Jr., and Christy G. Turner II). *American Antiquity*, vol. 28, no. 1, pp. 111-112.

#### DEPARTMENT OF BOTANY

WILLIAMS, LOUIS O.

"Tropical American Plants, IV." *Brittonia*, vol. 14, no. 4, pp. 441-446, 3 illus.

#### DEPARTMENT OF GEOLOGY

OLSEN, EDWARD J.

"Nickeliferous lazulite from Baraboo, Wisconsin." *American Mineralogist*, vol. 47, pp. 773-774.

"Copper Artifact Analysis with the X-ray Spectrometer." *American Antiquity*, vol. 28, pp. 234-238.

TECHTER, DAVID

"Fossils." *American Peoples Encyclopedia Yearbook for 1962*, pp. 296-297.

WOODLAND, BERTRAM G.

"Lamprophric Dikes of the Burke Area, Vermont." *The American Mineralogist*, vol. 47, pp. 1094-1110.

ZANGERL, RAINER

REVIEW OF *The Technology of Wine Making* (by M. A. Amerine and W. V. Cruess). *Economic Botany*, vol. 16, no. 2, pp. 131-132.

#### DEPARTMENT OF ZOOLOGY

BLAKE, EMMET R., and WILLIAM K. BAKER

"Additional Evidence of Rivoli's Hummingbird in Colorado." *The Auk*, vol. 79, pp. 481-482.

"Family Corvidae" (American forms). *Check-list of Birds of the World* [Museum of Comparative Zoology, Harvard University], vol. 15, pp. 204-282.

"New Bird Records from Surinam." *Ardea*, vol. 49, pp. 178-183.

DYBAS, HENRY S., and D. DWIGHT DAVIS

"A Population Census of Seventeen-year Periodical Cicadas (Homoptera: Cicadidae: *Magicicada*)." *Ecology*, vol. 34, pp. 432-444.

DYBAS, HENRY S., and MONTE LLOYD

"Isolation by Habitat in Two Synchronized Species of Periodical Cicadas (Homoptera: Cicadidae: *Magicicada*)." *Ecology*, vol. 34, pp. 444-459.

HAAS, FRITZ

"Caribbean Land Molluscs: Subulinidae and Oleacinidae." *Studies on the Fauna of Curacao and other Caribbean Islands*, vol. 13, pp. 49-60, pls. 7-11.

INGER, ROBERT F., and F. WAYNE KING

"A New Cave-Dwelling Lizard of the Genus *Cyrtodactylus*." *Sarawak Museum Journal*, vol. 10, pp. 274-276.

INGER, ROBERT F., and HYMAN MARX

"Variation of Hemipenis and Cloaca in the Colubrid Snake *Calamaria lumbri-coidea*." *Systematic Zoology*, vol. 11, pp. 32-38.



RAND, AUSTIN L.

"Birds in Summer," 31 pages [Encyclopedia Britannica Press].

"Comment on the Proposed Validation of *Pnoepyga* Hodgson, 1844. Z.M.(S.) 1457." *Bulletin of Zoological Nomenclature*, vol. 19, part 3, p. 131.

REVIEW OF *Birds in Colour* (by Karl Aage Tinggaard). *The Quarterly Review of Biology*, vol. 37, no. 2, p. 185.

REVIEW OF *Birds of Anakturuk Pass, Kobuk, and Old Crow* (by Laurence Irving). *The Quarterly Review of Biology*, vol. 37, no. 2, pp. 178-179.

REVIEW OF *Birds of the World* (by Oliver L. Austin, Jr.). *The Auk*, vol. 79, no. 2, pp. 288-289.

REVIEW OF *The Parasitic Weaverbirds* (by Herbert Friedmann). *The Quarterly Review of Biology*, vol. 37, no. 2, p. 180.

ROSCOE, ERNEST J.

"Escalante and the Recognition of Ancient Lakes in the Great Basin." *Great Basin Naturalist*, vol. 22, nos. 1-3, pp. 87-88.

REVIEW OF *A Revision of the Sphaeriidae of North America (Mollusca: Pelecy-poda)* (by H. B. Herrington). *The American Midland Naturalist*, vol. 68, no. 2, pp. 507-508.

SOLEM, ALAN

"A Preliminary Review of the Pomatiasid Land Snails of Central America." *Archiv für Molluskenkunde*, vol. 90, parts 4-6, pp. 191-213, 3 illus., 2 maps.

"Descriptions of, and Notes on New Hebridean Land Snails." *Bulletin, British Museum (Natural History), Zoology*, vol. 9, part 4, pp. 227-256, 19 illus.

"Hydrobiid Snails from Lake Pontchartrain." *Nautilus*, vol. 74, part 4, pp. 157-160, 2 illus.

TRAYLOR, MELVIN A., JR.

"An Aberrant Specimen of *Lybius undatus leucogenys* Blundell and Lovat." *Bulletin of the British Ornithologists' Club*, vol. 82, pp. 86-87.

"A New Name for *Estrilda astrild angolensis* Reichenow." *Bulletin of the British Ornithologists' Club*, vol. 82, p. 22.

"A New Pipit from Angola." *Bulletin of the British Ornithologists' Club*, vol. 82, pp. 76-77.

"Notes on the Birds of Angola, Passeres." *Companhia Diamantes de Angola, Publicações Culturais*, no. 58, pp. 53-142.

WENZEL, RUPERT L.

"Key to the Genera and Subgenera of Histeridae of the United States." *The Beetles of the United States* (by Ross Arnett), part 3, fascicle 26 (Histeridae), pp. 372-378.

## CAFETERIA

Both the number of individuals served, 323,638, and the gross receipts of the cafeteria, \$266,876, represented a considerable increase over the figures of 1961. The increase in Museum attendance was partially responsible, but considerably extended service and service hours in both the cafeteria and the lunchroom accounted for the greater portion of the increase. Food service is now available from 11:00 A.M. until 30 minutes before the Museum closing hour.

## MAINTENANCE, CONSTRUCTION, AND ENGINEERING

Two major projects begun in 1961 were brought near to completion in 1962: the construction work in the Hall of Useful Plants (Hall 28) and in Hall 32, in conjunction with the re-installation of the Chinese collections. Major construction and electrical work was done in Hall 9 prior to the exhibition of the "Tutankhamun Treasures" and additional work was completed for the exhibition of the "Art of Benin" in the same hall later in the year. The sculptures of British champion domestic animals by Herbert Haseltine were removed from Hall 12, for later re-installation in Hall 19, and a new office was constructed for the President in the Hall 12 area.

In continuation of our effort to create additional and critically needed storage space, a number of ground floor stair wells were bricked in.

The entire skylight over Stanley Field Hall, approximately 20,000 square feet in area, was cleaned and caulked to eliminate leaks. Further, tuckpointing of the exterior of the building was completed. The north parking lot was re-surfaced by personnel of the Chicago Park District.

The summer cleaning and renovation of the boilers were completed. New or replacement equipment installed during the year included a water pump, a gas cooking range in the cafeteria, a projection screen for the Lecture Hall, and an additional 244 fluorescent fixtures in various exhibition and storage areas.

Steam generated included 67,541,650 pounds, of which 17,219,720 pounds were furnished to the Chicago Park District and 12,195,120 pounds were furnished to the John G. Shedd Aquarium.

E. LELAND WEBBER, *Director*  
*Chicago Natural History Museum*

ATTENDANCE STATISTICS

FINANCIAL STATEMENTS

LIST OF ACCESSIONS

LIST OF MEMBERS



COMPARATIVE ATTENDANCE  
STATISTICS AND DOOR RECEIPTS  
FOR THE YEARS 1962 AND 1961

	1962		1961
Total attendance.....	1,470,424		1,307,567
Paid attendance.....	217,386		183,369
Free admissions on pay days			
Students.....	67,283		58,497
School children.....	216,324		199,487
Teachers.....	13,667		12,684
Members.....	1,637		1,121
Service men and women.....	902		1,070
Special meetings and occasions.....	9,423		13,421
Press.....	16		48
Admissions on free days			
Thursdays (52).....	180,191	(52)	154,509
Saturdays (52).....	357,103	(52)	323,664
Sundays (52).....	406,492	(52)	359,697
Highest attendance on any day... (July 15)	29,472	(July 23)	14,812
Lowest attendance on any day... (January 15)	248	(December 23)	364
Highest paid attendance..... (July 4)	9,108	(July 4)	4,925
Average daily admissions.....	4,050		3,602
Average paid admissions.....	1,050		886

CHICAGO NATURAL HISTORY MUSEUM  
 COMPARATIVE STATEMENT OF RECEIPTS  
 AND EXPENDITURES—CURRENT FUNDS

FOR THE YEARS 1962 AND 1961

GENERAL OPERATING FUND

RECEIPTS	1962	1961
Endowment income		
From investments in securities . . . . .	\$ 709,802	\$ 707,772
From investments in real estate . . . . .	112,000	112,000
	<u>\$ 821,802</u>	<u>\$ 819,772</u>
Chicago Park District—tax collections . . . . .	\$ 360,185	\$ 335,340
Annual and sustaining memberships . . . . .	33,402	30,830
Admissions . . . . .	54,346	45,842
Sundry receipts . . . . .	136,983	99,898
Restricted funds transferred to apply against Operating Fund expenditures . . . . .	<u>171,045</u>	<u>118,370</u>
	<u>\$1,577,763</u>	<u>\$1,450,052</u>
EXPENDITURES		
Operating expenses		
Departmental . . . . .	\$ 654,406	\$ 666,995
General . . . . .	632,501	575,101
Building repairs and alterations . . . . .	132,388	107,834
	<u>\$1,419,295</u>	<u>\$1,349,930</u>
Collections: purchases and expedition costs . . . . .	\$ 111,035	\$ 70,961
Furniture, fixtures and equipment . . . . .	25,276	17,558
Provision for mechanical plant depreciation . . . . .	22,486	22,486
	<u>\$1,578,092</u>	<u>\$1,460,935</u>
DEFICIT FOR YEAR . . . . .	<u>\$ 329</u>	<u>\$ 10,883</u>

AUDITOR'S CERTIFICATE APPEARS ON FOLLOWING PAGE

CONTINUED ON NEXT PAGE

CHICAGO NATURAL HISTORY MUSEUM

COMPARATIVE STATEMENT OF RECEIPTS  
AND EXPENDITURES—CURRENT FUNDS

FOR THE YEARS 1962 AND 1961 (CONTINUED)

N. W. HARRIS PUBLIC SCHOOL EXTENSION FUND

	1962	1961
Income from endowments . . . . .	\$ 36,604	\$ 36,298
Expenditures . . . . .	24,359	24,556
SURPLUS FOR THE YEAR . . . . .	<u>\$ 12,245</u>	<u>\$ 11,742</u>

OTHER RESTRICTED FUNDS

RECEIPTS

From Specific Endowment Fund investments . . .	\$ 92,942	\$ 91,917
Contributions for specific purposes . . . . .	82,552	84,939
Operating Fund appropriation for mechanical plant depreciation . . . . .	22,486	22,486
Sundry receipts . . . . .	66,571	59,903
	<u>\$ 264,551</u>	<u>\$ 259,245</u>

EXPENDITURES

Transferred to Operating Fund to apply against expenditures . . . . .	\$ 171,045	\$ 118,370
Added to Endowment Fund principal . . . . .	60,000	58,552
Loss (gain) on sale of restricted fund securities . . .	(60)	121
	<u>\$ 230,985</u>	<u>\$ 177,043</u>
EXCESS OF RECEIPTS OVER EXPENDITURES . . . . .	<u>\$ 33,566</u>	<u>\$ 82,202</u>

THE TRUSTEES,  
CHICAGO NATURAL HISTORY MUSEUM:

We have examined the accompanying comparative statement of receipts and expenditures—current funds of the Chicago Natural History Museum for the year ended December 31, 1962. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the statement mentioned above presents fairly the receipts and expenditures of the current funds of the Chicago Natural History Museum for the year ended December 31, 1962, in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

ARTHUR YOUNG & COMPANY

January 18, 1963

## USE DURING 1962 OF SPECIAL FUNDS CONTRIBUTED IN FORMER YEARS

ANTHROPOLOGY PURCHASE FUND.....	\$ 848.23
EDWARD E. AYER LECTURE FOUNDATION	
Cost of Museum lecture series.....	4,825.00
Subsidy to publication program.....	1,884.39
FREDERICK AND ABBY KETTELLE BABCOCK FUND	
Subsidy to publication program.....	2,371.24
BOTANY PURCHASE FUND.....	25.00
MRS. JOAN A. CHALMERS BEQUEST FUND.	
Purchase of specimens.....	2,521.59
Laboratory equipment.....	531.19
EMILY CRANE CHADBOURNE ZOOLOGY FUND	
Collection purchased.....	1,200.00
CONOVER GAME-BIRD FUND	
Purchase of specimens.....	2,000.00
Emmet R. Blake, study trip.....	125.00
Robert L. Fleming, field trip.....	300.00
D. S. Rabor, field trip.....	600.00
THOMAS J. DEE FELLOWSHIP FUND	
Fellowship grants to:	
Philip J. C. Dark.....	969.78
Mrs. Mary McDermut.....	4,500.00
Rogers McVaugh.....	600.00
D. S. Rabor.....	500.00
Mrs. Barbara Solem.....	500.00
Mrs. Maria Weiss.....	600.00
GEOLOGY PURCHASE FUND.....	206.25
GROUP INSURANCE FUND*	
Group insurance costs.....	22,548.35
MAXWELL HAHN ANTHROPOLOGY FUND	
Southwest Archaeological Expedition.....	50.00
N. W. HARRIS PUBLIC SCHOOL EXTENSION FUND	
Preparation, care, and distribution of exhibits to Chicago schools..	24,359.46
LIBRARY FUND†	
Purchase of books and periodicals.....	5,177.14
NATIONAL SCIENCE FOUNDATION	
Research grants (13 projects).....	52,495.32
JAMES NELSON AND ANNA LOUISE RAYMOND PUBLIC SCHOOL AND CHILDREN'S LECTURE FUND	
Subsidy to public school and children's lecture program.....	40,142.08
DONALD RICHARDS FUND	
Purchase of specimens.....	31.00
MAURICE L. RICHARDSON PALEONTOLOGICAL FUND	
Field trip to Wyoming.....	839.49
Field trip to northern high plains and mountain states.....	623.74
Field trip to New Haven.....	127.78

\* Established by Stanley Field

† Established by Edward E. Ayer, Huntington W. Jackson, Arthur B. Jones, and Julius and Augusta N. Rosenwald



JUDD SACKHEIM ANTHROPOLOGY FUND	
Southwest Archaeological Expedition.....	250.00
KARL P. SCHMIDT FUND	
Study grants.....	257.78
W. S. AND J. K. STREET IRANIAN EXPEDITION FUND	
Expedition expenses.....	23,250.00
UNITED STATES ARMY, WALTER REED ARMY MEDICAL CENTER	
Research grant.....	3,571.95
A. RUSH WATKINS ZOOLOGY FUND	
Purchases.....	101.10
ZOOLOGY PURCHASE FUND.....	165.55

These funds have been used in accordance with the stipulations under which they were accepted by the Museum. In addition, the income from more than \$15,000,000 of unrestricted endowment funds was used in general Museum operation.

## Contributions and Bequests

Contributions and bequests to Chicago Natural History Museum may be made in securities, money, books, or collections. They may, if desired, take the form of a memorial to a person or cause, to be named by the giver. For those desirous of making bequests to the Museum, the following form is suggested:

### FORM OF BEQUEST

I do hereby give and bequeath to Chicago Natural History Museum of the City of Chicago, State of Illinois:

---



---



---



---



---

*Cash contributions made within the taxable year to Chicago Natural History Museum to an amount not in excess of 20 per cent of the taxpayer's net income are allowable as deductions in computing net income for federal income tax*

# ACCESSIONS IN 1962

## DEPARTMENT OF ANTHROPOLOGY

ADLER, DONALD, Chicago: 2 Japanese coins—Japan (gift)

ATWATER, A. G., Chicago: gold breast-plate in Quimbaya style—Colombia (gift)

BAHR, MISS EDNA H., Ridgefield, Connecticut: 27 pieces of velvet (mostly table and chair covers) and 15 miscellaneous textiles—China (gift)

BEYER, DR. H. OTLEY, Manila: 15 Neolithic stone tools—Batangas Province, Luzon, Philippine Islands (gift)

BIEBER, MISS CAROLINE FRANCES, Santa Fe, New Mexico: 237 toggles, 1 book on textile designs, 1 hair ornament, 1 lion figure, 1 jade ring—China (gift); 9 netsuke—Japan (gift); 1 puppet head—Indonesia (gift)

BRITTINGHAM, MRS. IRENE, Washington, D.C.: archaeological and ethnological specimens—Peru, Bolivia, Ecuador, Paraguay, Philippines, and Pakistan (gift); 3 pieces of silver jewelry—Bolivia (gift)

### CHICAGO NATURAL HISTORY MUSEUM:

Collected by Dr. Paul S. Martin (Southwest Archaeological Expedition, 1962): 516 stone, bone, shell, and pottery artifacts, 28 pottery vessels (12 "whole," 16 "restorable"), 4 textile fragments, 4 human skeletons, 9 cartons of potsherds, 4 cartons of flint chips, 4 cartons of bone and charcoal, 1 carton of vegetal materials—Arizona

Collected by Dr. Donald Collier (Mexico Archaeological Field Trip, 1962): potsherds, Teotihuacan I style, from the trenches in the south platform of Plaza I, Oztoyalualco, made by Carmen Cook de Leonard in 1957-59—Teotihuacan, Mexico

*Purchases:* ethnological material (253 items) from Tibet and contiguous areas; 1 Chinese abacus; 2 Eskimo masks made in 1961 at Amuktuvuk Pass, Alaska; costumes (27 items) mostly from Karen tribe, Burma; 268 ethnological specimens from Shipibo, Ishkonahua, and Witoto Indians of Peru and from Yahgan Indians of Chile; approximately 1,500 specimens, C. F. Bieber Collection of Asian Folk and Minor Arts, mainly from China

*Transfer:* hat, rainhat, 2 raincoats and mat, all of rice straw (purchased from American Trading Company in 1912, made in Japan), and "deck" of 96 Indian playing cards (collected in Jaipur, India, in 1912 by C. F. Millspaugh)—from Department of Botany, Chicago Natural History Museum

COWEN, MISS EDNA T., Oak Park, Illinois: 6 pottery vessels—Southwest United States (gift)

DESPRES, LEON M., Chicago: piece of manilla (metal currency)—Kano, Nigeria (gift)

ERICSSON, MRS. FLORENCE SARGENT, Chicago: 2 buffalo robes—Plains, United States (gift)

EVANGELISTA, ALFREDO, Manila: 2 prehistoric pottery jars—Luzon, Philippine Islands (gift)

FELIX, MRS. BENJAMIN BATES, Dundee, Illinois: 2 pairs of moccasins—Wisconsin (gift)

FREDERICK, MR. AND MRS. CLARENCE L., Chicago: 2 carved wooden figurines from Senufu Tribe, West Sudan, and 1 carved wooden antelope, Bambara Tribe, West Sudan—Africa (gift)

FULLER, MRS. A. W. F., London: a pictorial record of Plains Indians in a notebook, done in European style—Plains, United States (gift)

HAMILTON, MRS. JAMES H., Evanston, Illinois: Navaho blanket and piece of Mexican drawnwork—Southwest United States and Mexico (gift)

HESTER, EVETT D., Chicago: pottery jar found buried along the Tobuk River—Northern Luzon, Philippine Islands (gift)

LI TSUNG-T'UNG, PROFESSOR, Taipei, Formosa: hand towel or cover for the hard Chinese pillow—China (gift)

OETJEN, MISS JOANNA V., Chicago: Hopi jar, black-on-orange, and piece of petrified wood—New Mexico (gift)

SCHALLERER, MISS M. H., Chicago: mask carved of whalebone, prehistoric Eskimo, probably from Pt. Barrow region—Alaska (gift)

SMITH, MISS HARRIET M., Evanston, Illinois: Sioux war club—Dakota Territory, United States (gift)

SUTTIE, MRS. MELVIN D., North Aurora, Illinois: pair of cloth boots with fur lining—Hankow area, China (gift)

WARE, LOUIS, Winnetka, Illinois: 2 rugs—Bokharat, Persia

## DEPARTMENT OF BOTANY

ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R., Kiev, U.S.S.R.: 422 vascular plants (exchange)

ARISTEGUIETA, DR. LEANDRO, Caracas, Venezuela: 2 specimens of *Bacopa* (gift)

ARIZONA, UNIVERSITY OF, Tucson: 165 pollen slides (exchange)

BENNETT, HOLLY REED, Chicago: 3,945 vascular plants (gift)

BOLD, DR. HAROLD C., Austin, Texas: 22 specimens of algal type material (gift)

BRITISH MUSEUM (NATURAL HISTORY), London: 229 vascular plants (exchange)

BROWN, MRS. G. K., Mequon, Wisconsin: specimen of *Matthiola bicornis* (gift)

CALIFORNIA, UNIVERSITY OF, Berkeley: 66 vascular plants (exchange) and 482 vascular plants (Fifth and Sixth Expeditions to the Andes, in which this Museum participated by financial contribution)

CARLSON, DR. MARGERY C., Evanston, Illinois: 461 vascular plants (gift)

CHICAGO NATURAL HISTORY MUSEUM: Collected by Dr. John W. Thieret (Northwest Territories Botanical Expedition, 1961-62): 90 vascular plants

*Purchases*: 34 ferns from Malaya, 440 vascular plants from Borneo and Bolivia, 150 mosses from Czechoslovakia, and 75 vascular plants from South Africa

CINCINNATI, UNIVERSITY OF, Cincinnati, Ohio: 3 slides of wood sections (gift)

DANIEL, HNO., Medellin, Colombia: 12 vascular plants (gift)

DELHI, UNIVERSITY OF, New Delhi, India: 50 microslides of sectioned plant parts (exchange)

ESCUELA AGRICOLA PANAMERICANA, Tegucigalpa, Honduras: 1,129 vascular plants (exchange)

FLORIDA, UNIVERSITY OF, Gainesville: 128 vascular plants (gift)

GEORGIA, UNIVERSITY OF, Athens: 1 specimen of *Paspalum fimbriatum* HBK. (exchange)

GIBSON, DOROTHY, Waukegan, Illinois: 40 cryptogams (gift)

GIBSON, ROBERT F., Waukegan, Illinois: 7 specimens of fungi (gift)

GRAY HERBARIUM, HARVARD UNIVERSITY, Cambridge, Massachusetts: 682 photographs of fern type specimens and 1 photocopy of the *Catalogue of Pteridophyta* of the Willdenow Herbarium (exchange)

HELLER, A. H., Managua, Nicaragua: 4 vascular plants and 1 drawing (gift)

HERBARIUM BRADEANUM, Rio de Janeiro, Brazil: 400 vascular plants (exchange)

INSTITUTO AGRONÔMICO DO SUL, Pelotas, Rio Grande do Sul, Brazil: 181 vascular plants (exchange)

ILLINOIS, UNIVERSITY OF, Urbana: 200 vascular plants (exchange)

IOWA, STATE UNIVERSITY OF, Iowa City: 446 vascular plants (exchange)

KAPLAN, DR. LAWRENCE, Chicago: 39 specimens of pines (gift)

LANKESTER, C. H., San José, Costa Rica: 6 vascular plants (gift)

MCVAUGH, DR. ROGERS, Ann Arbor, Michigan: 87 specimens of Orchidaceae (gift)

MICHIGAN, UNIVERSITY OF, Ann Arbor: 504 plant specimens (209 bryophytes and 295 vascular plants) (exchange)

MICHIGAN STATE UNIVERSITY, East Lansing: 66 vascular plants (exchange)

MOUNT MARTY COLLEGE, Yankton, Dakota: 118 pollen slides (exchange)

MURDY, RAY, Aberdeen, South Dakota: 8 specimens of aquatic plants (gift)

NATIONAL MUSEUM OF CANADA, Ottawa, Ontario: 492 vascular plants (exchange)

NATURHISTORISCHES MUSEUM, Vienna, Austria: 100 cryptogams (exchange)

OULU, UNIVERSITY OF, Oulu, Finland: 198 plant specimens (76 cryptogams and 122 vascular plants) (exchange)

PAN AMERICAN PETROLEUM CORPORATION, Tulsa, Oklahoma: 424 pollen slides (exchange)

PIVORUNAS, AUGUST, Chicago: 6 specimens of fungi (gift)

PONCE DE LEON, DR. PATRICIO, Chicago: 430 cryptogams (gift)

ROYAL BOTANIC GARDENS, Kew, Surrey, England: 61 specimens of Gramineae and 1 photograph of the type speci-

men of *Jacaranda egleri* Sandwith (exchange)

RUDD, DR. VELVA, Washington, D.C.: 8 vascular plants (gift)

SAUER, DR. JONATHAN, Madison, Wisconsin: 108 beach plants (gift)

SCHIPP, W. A., Perthville, New South Wales, Australia: 6 original water color drawings of Central American plants (exchange)

SHELL DEVELOPMENT COMPANY, Houston, Texas: 193 pollen slides (exchange)

SHERFF, DR. EARL E., Hastings, Michigan: 37 vascular plants (gift)

SMILEY, NIXON, Miami, Florida: specimen of *Mimosa* (gift)

SOLEM, DR. ALAN, Chicago: 2 specimens of mosses (gift)

SOUTHWESTERN LOUISIANA, UNIVERSITY OF, Lafayette: 111 plant specimens (99 vascular plants and 12 bryophytes) (exchange)

STUESSY, TOD, Lake Bluff, Illinois: 56 cryptogams (gift)

TEXAS RESEARCH FOUNDATION, Renner: 153 vascular plants (exchange)

TEXAS, UNIVERSITY OF, Austin: 665 vascular plants (exchange)

THIERET, DR. JOHN W., Lafayette, Louisiana: 43 vascular plants (gift)

UNITED STATES NATIONAL MUSEUM, Washington, D.C.: 648 vascular plants (exchange)

WATSON, JOSEPH, Columbia, Kentucky: 7 specimens of algae (gift)

WILLIAMS, DR. LOUIS O., Park Forest, Ill.: 48 vascular plants (gift)

## DEPARTMENT OF GEOLOGY

ACADEMY OF SCIENCES, PALEONTOLOGICAL INSTITUTE, Moscow, U.S.S.R.: Permian reptiles and amphibians—various localities (exchange)

AMERICAN MUSEUM OF NATURAL HISTORY, New York: cast of skullroot of fossil fish—Australia (gift)

ARMISTEAD, ROBERT, Chiefland, Florida: fossil bone fragments—Florida (gift)

BANNISTER, ARCHIE, Twin Lakes, Wisconsin: fossil mammal fragment—locality unknown (gift)

BEEGER, RICHARD, Houghton, Michigan: mineral specimens—various localities (gift)

BEERBOWER, DR. JAMES, Easton, Pennsylvania: fossil fish specimens—Maryland (gift)

BEYER, DR. H. OTLEY, Manila: tektites—Philippine Islands (gift)

BOCK, DR. WILHELM, Philadelphia: fossil fish specimens—locality unknown (gift)

BROWN, NEAL, Billings, Montana: fossil and mineral specimens and 4 maps—various localities (gift)

CALIFORNIA STANDARD COMPANY, Edmonton, Alberta: fossil fishes—British Columbia (gift)

CHALMERS CRYSTAL FUND, WILLIAM J.: minerals and tektites—various localities (purchase)

CHICAGO, UNIVERSITY OF, Chicago: ore specimens (E. S. Bastin collection)—various localities (permanent loan); Permian reptiles, fossil fish specimens, and well samples of calcareous shale—various localities (gift)

CHICAGO NATURAL HISTORY MUSEUM: Collected by Dr. Robert H. Denison and William D. Kelly (field work, 1962): fossil fishes—Michigan

Collected by Dr. Eugene S. Richardson, Jr. (Wyoming Invertebrate Paleontological Field Trip, 1962): numerous fossils—Wyoming

Collected by Dr. Richardson (field work, 1962): numerous fossil invertebrates—Illinois

Collected by William D. Turnbull (Rocky Mountain Paleontological Field Trip, 1962): fossil mammals—Wyoming

Collected by Dr. Bertram G. Woodland (Black Hills Geological Field Trip, 1962): mineral specimens—various localities

CHOATE, JOE H., Rapid City, South Dakota: chert nodules—South Dakota (gift)

CLARK, DR. JOHN, Spearfish, South Dakota: fossil invertebrates, fishes, reptiles, and minerals—various localities (gift)

COOK, MR. AND MRS. HARRY, Lovell, Wyoming: 4 rough sapphires—Wyoming (gift)

DARSOW, DR. WILLIAM F., Chicago: mineral specimen—locality unknown (gift)

DAWSON, NORMAN R., San Marcos, California: mineral specimens—California (exchange)

DENISON, DR. ROBERT H., AND DAVID DENISON, Highland Park, Illinois: fossil invertebrates—Illinois (gift)

DINELEY, DR. DAVID L., Ottawa, Canada: cone-in-cone concretion specimens—Nova Scotia (gift)

DREYFUSS, LOUIS, Evergreen Park, Illinois: fossil invertebrate—Illinois (gift)

EVANS, GLEN L., Caldwell, Idaho: petrified wood—various localities (exchange)

FURDYNA, J. K., Cambridge, Massachusetts: cone-in-cone concretion specimen—Montana (gift)

FURNISH, W. M., Iowa City, Iowa: fragment of fossil invertebrate—Wyoming (gift)

GILBERT, MR. AND MRS. TINKHAM, Salem, Oregon: polished "thunderegg"—locality unknown (gift)

GUNNELL, E. M., Denver, Colorado: minerals—various localities (exchange)

HESTON, WILLIAM, Chicago: fossil invertebrates, plants, and mammals—South Dakota (gift)

HOLMAN, LARRY, Dixfield, Maine: mineral—locality unknown (gift)

JENSEN, JAMES, Provo, Utah: fossil fishes—Utah (exchange)

KEMP, MISS DORIS, Riverdale, Illinois: mineral—Iowa (gift)

KIETZKE, KENNETH, Spearfish, South Dakota: fossil reptile and fish specimens—various localities (gift)

KOSANKE, R. M., Chicago: mineral specimens—various localities (gift)

KRZTON, JOHN, Chicago: kunzite specimen—locality unknown (exchange); mineral specimens—locality unknown (gift)

LEINBACH, WINIFRED, Elkhart, Indiana: fossil mammal fragments—Ohio (gift)

LOUPEKIN, PROFESSOR I. S., Nairobi, Kenya: mineral specimens—various localities (gift)

MARTIN, HAROLD, Rapid City, South Dakota: cone-in-cone concretion specimens—South Dakota (gift)

MILLAR, JOHN R., Skokie, Illinois: mineral—Florida (gift)

OPPENHEIMER, SEYMOUR, MRS. FLORINE G. OPPENHEIMER, AND MRS. BABS O. WEISS, Chicago: diamond pin (gift)

ORR, JAMES, Chicago: fossil invertebrates—Montana (gift)

PALMER, DR. A. R., Washington, D.C.: cone-in-cone concretion and coned concretion—various localities (gift)

PATTERSON, WALTER P., Lombard, Illinois: invertebrate fossil—Minnesota (gift)

PRINCETON UNIVERSITY, Princeton, New Jersey: cast of fossil reptile skull and jaws (exchange)

RAPP, DR. GEORGE, Rapid City, South Dakota: mineral specimens—various localities (gift)

REICHEL-DOLMATOFF, GERARDO, Colombia, South America: molar of fossil mammal—Ecuador (gift)

RICHARDSON, DR. EUGENE S., JR., Gurnee, Illinois: invertebrate fossils, fossil plants, and a mineral—Pennsylvania (gift)

RICHARDSON PALEONTOLOGICAL FUND, MAURICE L.: fossil reptiles and fishes—various localities (purchase)

ROGERS, A. J., Sanford, Michigan: fossil fishes—Michigan (gift)

SCHADE, MRS. GEORGE, Glenview, Illinois: coprolite—Illinois (gift)

SCOTT, S., Custer, South Dakota: mineral specimens—various localities (gift)

SESTINI, DR. JULIAN, Chicago: minerals—Illinois (gift)

SLAUGHTER, A. L., Lead, South Dakota: mineral specimens—South Dakota (gift)

SLAUGHTER, DR. ROBERT H., Dallas, Texas: cast of fossil mammal (exchange)

SLOAN, DR. ROBERT, Minneapolis: cast of fossil mammal (gift)

SOPER, ELLIS CLARK, Franklin, North Carolina: mineral—Argentina (gift)

TELLER, S. A., Chicago: volcanic sands—New Zealand (gift)

UNITED STATES NATIONAL MUSEUM, Washington, D.C.: mineral—Ceylon (exchange)

VICTORIA UNIVERSITY OF WELLINGTON, Wellington, New Zealand: 2 meteorite fragments—Taranaki, North Island, New Zealand (exchange)

VINJE, DR. AND MRS. EDMUND G., Hazen, North Dakota: fossil fishes, reptiles, mammals, invertebrates, and plants—North Dakota (gift)

WOLLIN, JAY, Morton Grove, Illinois: 2 cone-in-cone specimens—Kansas (gift); fossiliferous microbreccia—Iowa (gift)

WOODLAND, DR. BERTRAM G., Homewood, Illinois: 30 mineral specimens—Vermont (gift)

ZANGERL, DR. RAINER, Hazel Crest, Illinois: fossil reptile bone, gar pike scales, 42 specimens of paleoniscoids—various localities (gift)

ZELNICK, GALE, Broadview, Illinois:  
38 fossil invertebrates—Illinois (gift)

## DEPARTMENT OF ZOOLOGY

ACADEMY OF NATURAL SCIENCES OF  
PHILADELPHIA, Pennsylvania: 50 lots of  
non-marine shells—British Honduras  
(gift)

ADLER, KRAIG K., Columbus, Ohio:  
2 salamanders—United States (gift)

AMERICAN MUSEUM OF NATURAL HIST-  
ORY, New York: mammal—Peru (ex-  
change)

ARSLAN, MUHAMMAD, Lahore, Paki-  
stan: 3 mammals—Pakistan (gift)

BALLEW, WILLIAM, Pensacola, Flori-  
da: turtle—Kentucky (gift)

BENESH, BERNARD, Burrville, Tennes-  
see: 167 insects—South America,  
chiefly Chile (gift); 28 insects—South  
America and East Asia (gift)

BERGERON, EUGENE S., Balboa, Canal  
Zone: 45 non-marine mollusks—Panama  
(gift)

BERRY, MRS. P. Y., Kuala Lumpur,  
Malaya: 8 frogs, 27 frog tadpoles—  
Malaya (exchange)

BIGGS, THE REVEREND H. E. J.,  
Bromley, Kent, England: 6 land snails  
—Solomon Islands (gift)

BLAKE, MISS ELIZABETH, Evanston,  
Illinois: bird—Illinois (gift)

BOKERMANN, DR. WERNER C. A.,  
São Paulo, Brazil: 28 frogs—Brazil (ex-  
change); 2 frogs—Brazil (gift)

BORGMEIER, FATHER THOMAS,  
O.F.M., Jacarepaguá, Brazil: 257 in-  
sects—Argentina, Brazil, and Costa  
Rica (gift)

BRIGHAM YOUNG UNIVERSITY, Provo,  
Utah: 1,151 insects—Nevada (perman-  
ent loan)

BRITISH MUSEUM (NATURAL HIST-  
ORY), London: frog tadpole—Sarawak  
(exchange)

BURCH, JOHN Q., Los Angeles: 2 ma-  
rine shells—Lower California, Mexico  
(gift)

CALIFORNIA ACADEMY OF SCIENCES,  
San Francisco: 15 lots of nonmarine  
mollusks—Africa and India (exchange)

CALIFORNIA AT LOS ANGELES, UNI-  
VERSITY OF, Los Angeles: 5 fishes—Gulf  
of California (gift)

CAMPBELL, MILTON, Urbana, Illinois:  
2 insects—Panama (gift)

CAMRAS, DR. SIDNEY J., Chicago: 9  
insects—United States (gift)

CANFIELD, PHILLIP, Rockford, Illi-  
nois: 4 lots of fresh-water shells—Illinois  
(gift)

CARNEGIE MUSEUM, Pittsburgh, Penn-  
sylvania: 1 bird—Brazil (exchange); 5  
fishes—Argentina (gift)

CEI, DR. JOSE M., Mendoza, Argenti-  
na: frog—Costa Rica (exchange)

CHICAGO, UNIVERSITY OF, Chicago:  
1 mammal, 250 lots of marine, land, and  
fresh-water shells—various localities  
(gift)

CHICAGO NATURAL HISTORY MUSEUM:  
Collected by Harry A. Beatty (Gui-  
ana Zoological Expedition, 1960–61):  
141 mammals, 279 birds, 2 fishes—  
Surinam

Collected by Philip Hershkovitz (Suri-  
nam zoological field trip, 1961–62): 369  
mammals, 16 amphibians and reptiles—  
Surinam

Collected by D. S. Rabor (Philippine  
zoological field work, 1961–62): 30 mam-  
mals, 1,963 birds—Philippine Islands

Collected by Melvin A. Traylor, Jr.  
(Africa zoological field trip, 1961–62):  
73 mammals, 1,495 birds, 2 bird nests,  
1 frog—Africa (Northern Rhodesia and  
Bechuanaland)

Collected by William D. Turnbull  
(Rocky Mountain paleontological field  
trip, 1962): 4 mammals, numerous land  
snails—Colorado

Collected by A. Rush Watkins (Rush  
Watkins zoological field trip to Tahiti,  
1962): 1,267 fishes, 20 land crabs, 6 lots  
of invertebrates—Tahiti

*Purchases:* 887 mammals; 1,685 birds  
and 1 egg; 1,336 amphibians and reptiles;  
86,728 insects; 634 specimens, 148  
lots, and 1 large collection of lower in-  
vertebrates

CHICAGO ZOOLOGICAL SOCIETY, Brook-  
field, Illinois: 26 mammals, 11 birds, 16  
amphibians and reptiles—world-wide  
(gift)

CHIN, PHUI-KONG, Jesselton, North  
Borneo: 30 sea snakes—North Borneo  
(exchange)

CLANCEY, P. A., Durban, South Af-  
rica: bird—South Africa (gift)

COLORADO, UNIVERSITY OF, MUSEUM,  
Boulder: 5 lizards—Mexico (gift)

COOPER, DR. KENNETH W., Hanover,  
New Hampshire: 2 beetles—New Jersey  
(gift)

CORNFIELD, MRS. EDITH, Riverdale, New York: 4 sea shells—Maine (gift)

DALESKE, DONALD J., Urbana, Illinois: 34 brook lampreys—Illinois (gift)

DAVIS, DR. CHARLES C., Cleveland, Ohio: about 40 fresh-water snails—El Salvador (gift)

DE MAEYER, FRANCIS, Chicago: 3 birds—Mexico (gift)

DOMINION MUSEUM, Wellington, New Zealand: 2 birds—New Zealand (gift)

DRAKE, DR. ROBERT, Vancouver, British Columbia: landsnail—Mexico (gift)

DUNN, MRS. EMMET REID, Bryn Mawr, Pennsylvania: 829 publications on mammals (gift)

DVORAK, STANLEY J., Chicago: 4 marine shells—Australia and Philippine Islands (exchange, gift)

EIGSTI, W. E., Hastings, Nebraska: 8 grasshoppers—Nebraska (gift)

EISENMANN, RALPH, Chicago: 17 birds—Illinois (gift)

EMERSON, DR. ALFRED E., Chicago: 1,028 ants—United States (gift)

EMERSON, COLONEL K. C., Arlington, Virginia: 277 bird lice—world-wide (gift)

ENGELMANN, MR. AND MRS. GEORGE W., Palos Heights, Illinois: bird—Illinois (gift)

ERICSSON, MRS. FLORENCE SARGENT, Chicago: 9 mammal specimens—northwestern North America (gift)

EVANS, DR. HOWARD, Ithaca, New York: numerous fresh-water snails—New York (gift)

EVENSON, MISS JOANNE L., Chicago: land snail—Michigan (gift)

FECHTNER, FREDERICK R., Rockford, Illinois: 23 lots of fresh-water mollusks—Minnesota (gift); 41 fresh-water clams—Illinois (gift)

FLEMING, DR. ROBERT L., Kathmandu, Nepal: 18 birds, 37 amphibians and reptiles—Nepal (gift)

FREDERICK, MRS. CLARENCE L., Chicago: 3 marine shells—Africa (gift)

FULTON, DR. MACDONALD, Chicago: 156 amphibians and reptiles—Puerto Rico (gift)

GANS, DR. CARL, Buffalo: lizard—Tanganyika (exchange); 2 mammals—Somali Republic (gift)

GISKE, RICHARD, Round Lake, Illinois: ground squirrel—Illinois (gift)

GORDON, DR. MALCOLM S., Los Angeles: 175 frogs—Thailand (gift)

GREGG, DR. CLIFFORD C., Valparaiso, Indiana: 3 eggs—Indiana (gift); 12 insects—Switzerland (gift); land snail—Indiana (gift)

GREGORY, STEPHEN S., Northbrook, Illinois: 5 birds—Illinois (gift)

GUERRERO, MRS. NIDIA, Chicago: snake—Paraguay (gift)

HADFIELD, MRS. RITA, Chicago: 7,115 ants—world-wide, but chiefly midwestern United States (gift)

HAILE, DR. NEVILLE S., Jesselton, North Borneo: 69 non-marine mollusks—North Borneo (gift)

HARRISSON, DR. TOM, Kuching, Sarawak: 2 lizards, 585 fishes—Sarawak (gift)

HART, MRS. CHESTER H., Oak Park Illinois: volute shell—Australia (gift)

HEATH, MISS HELEN, Chicago: bird—Illinois (gift)

HOCKING, PETER, Yarino Cocha, Peru: 2 birds—Illinois and Wisconsin (gift); 53 birds—Peru (gift)

HOLTZ, MRS. R. D., Homewood, Illinois: 2 birds—Illinois (gift)

HOOGSTRAAL, DR. HARRY, Cairo, Egypt: 124 mammals, 485 birds, 63 amphibians and reptiles, 83 insects—Egypt, Lebanon, Southern Rhodesia, and Sudan (gift)

HOY, GUNNAR, Salta, Argentina: 16 birds—Argentina (gift)

HUBRICH, LESLIE, Meridian, Mississippi: 23 fresh-water snails—eastern North America (exchange); 850 non-marine mollusks—Alabama and Tennessee (exchange)

HUNGERFORD, DR. H. B., Lawrence, Kansas: 4 insects—Australia, Madagascar, and Solomon Islands (gift)

ILLINOIS STATE NORMAL UNIVERSITY, Normal: 8 fishes—various localities (exchange)

IRMISCHER, PAUL, Chicago: fish—Illinois (gift)

JACKSON, RALPH, Cambridge, Maryland: 125 non-marine mollusks—Florida, North Carolina, and Texas (gift)

KING, F. WAYNE, Chicago: lizard—Bahamas (gift)

KRAUSS, DR. N. L. H., Honolulu: 2 frogs—Brazil (gift); 1 snake—Cuba (gift)

KUNS, DR. M. L., Madison, Wisconsin: lizard and snake—Puerto Rico (gift)

KUNTZ, DR. ROBERT E., care of APO, San Francisco: 646 amphibians and rep-

tiles—Formosa, Korea, and Philippine Islands (gift); 369 fishes—Palawan, Philippine Islands (gift)

LIM, BOO-LIAT, Kuala Lumpur, Malaya: 2 snakes—Malaya (gift)

LINCOLN PARK ZOOLOGICAL SOCIETY, Chicago: 8 mammals, 1 bird, 7 amphibians and reptiles—various localities (gift)

LOWE, DR. CHARLES H., JR., Tucson, Arizona: 2 snakes—Arizona (gift)

LYNCH, JOHN D., Normal, Illinois: snake—Illinois (gift)

MASSOIA, DR. ELIO, Buenos Aires, Argentina: 5 mammals—Argentina (gift)

MAURER, MISS M. DIANNE, Palatine, Illinois: bird—Illinois (gift)

MEDEM, DR. FREDERICK, Bogotá, Colombia: 8 amphibians and reptiles—Colombia (exchange)

MENZIES, J. I., London: 23 amphibians and reptiles—Sierra Leone (gift)

MICHIGAN, UNIVERSITY OF, Ann Arbor: 151 birds—India, Iran, and Nepal (exchange)

MUSEE D'HISTOIRE NATURELLE "GRIGORE ANTIPA," Bucharest, Rumania: 60 amphibians and reptiles—Rumania (exchange)

MUSEO ARGENTINO DE CIENCIAS NATURALES, Buenos Aires, Argentina: frog—Argentina (exchange)

MUSEUM G. FREY, Munich, Germany: 40 beetles—Africa, Asia, and Europe (exchange)

MUSEUM NATIONAL D'HISTOIRE NATURELLE, Paris: fish—off West Africa (exchange)

NATURHISTORISCHES MUSEUM, Vienna, Austria: frog—Celebes (exchange)

NATUR-MUSEUM UND FORSCHUNGS-  
INSTITUT "SENCKENBERG," Frankfurt-  
am-Main, Germany: 9 fresh-water mus-  
sels—Transvaal (exchange)

NELSON, DR. EDWARD M., San Juan, Puerto Rico: 1 mammal, 70 amphibians and reptiles, numerous mixed invertebrate animals—Puerto Rico (gift)

NEVO, ELIATAR, Galil Maravi, Israel: 52 frogs—Israel (exchange)

OREGON, UNIVERSITY OF, Eugene: 900 land and fresh-water mollusks—Oregon (gift)

PASTEUR, DR. GEORGES, Rabat, Morocco: 2 lizards—Madagascar and Morocco (exchange)

PHELPS, WILLIAM H., Caracas, Venezuela: 4 birds—Venezuela (exchange)

PHILLIPS, DR. CRAIG, Washington, D.C.: 3 fishes—British West Indies (gift)

POPE, CLIFFORD H., Winnetka, Illinois: snake—Wisconsin (gift)

POPE, MRS. HENRY, Glencoe, Illinois: about 3,000 marine shells—Bahamas (gift)

PUERTO RICO, UNIVERSITY OF, Mayaguez: whale—Puerto Rico (exchange)

RIJKSMUSEUM VAN NATUURLIJKE HISTOIRE, Leiden, The Netherlands: 6 snakes—Java and Sumatra (exchange)

ROBINSON, DOUGLAS C., College Station, Texas: lizard—Mexico (gift)

ROMER, J. D., Hong Kong: 10 amphibians and reptiles—Hong Kong (gift)

ROSCOE, ERNEST J., Chicago: 320 publications on malacology (gift)

ROYAL ONTARIO MUSEUM, Toronto: 12 fishes—Canada (gift)

RYCKMAN, DR. RAYMOND E., Loma Linda, California: 17 batflies—Mexico (exchange)

SAVAGE, DR. JAY M., Los Angeles: 12 amphibians and reptiles—western United States (exchange)

SCHAD, DR. GERRY A., Quebec: snake—Ecuador (gift)

SHEDD AQUARIUM, JOHN G., Chicago: 2 turtles—North America (gift); 15 fishes—Hawaii (gift)

SMITH, DR. LESLIE M., Davis, California: 12 insects—United States (gift)

SMITH, R. E., Oaklawn, Illinois: bird—Illinois (gift)

SOUTH AFRICAN MUSEUM, Cape Town: 4 beetles—South Africa (exchange)

STANFORD UNIVERSITY, California: 3 amphibians and reptiles—Philippine Islands (exchange); 6 fishes—Antarctica (gift)

STEEVES, HARRISON R., JR., Birmingham, Alabama: 4,822 beetles—southeastern United States, chiefly Alabama (gift)

STILLE, WALTER T., Rochester, New York: 3,000 amphibians and reptiles—United States (gift)

TARPON ZOO, Tarpon Springs, Florida: frog—Colombia (gift)

TURNBULL, WILLIAM D., AND DR. RAINER ZANGERL, Chicago: 61 land shells—Texas (gift)

UMTALI MUSEUM, Umtali, Southern Rhodesia: 14 snakes—Northern Rhodesia and Southern Rhodesia (exchange)



UNITED STATES FISH AND WILDLIFE SERVICE, La Jolla, California: 12 fishes—Galapagos Islands, Mexico, and Panama (gift); Pascagoula, Mississippi: 803 fishes—various localities (gift); Washington, D.C.: fish—eastern Ecuador (gift)

VAIDEN, M. G., Rosedale, Mississippi: 2 birds—Mississippi (exchange)

WALSH, FRASER, care of APO, New York: 3 birds—Turkey (gift)

WASHBURN, DR. ROBERT, Milwaukee, Wisconsin: 12 pond snails—Wisconsin (gift)

WEAVER, JAMES, Rockford, Illinois: 7 birds—Illinois (gift)

WISCONSIN, UNIVERSITY OF, Madison: 530 lots of fishes—Wisconsin (gift)

WORLD BOOK ENCYCLOPEDIA OF FIELD ENTERPRISES, Chicago: World Book Encyclopedia Scientific Expedition to the Himalayas: 152 mammals, 3 fishes—Nepal (gift)

YOUNG, DR. FRANK, Bloomington, Indiana: 14 beetles—Florida and Michigan (gift)

YUNKER, DR. CONRAD, Balboa Heights, Canal Zone: 7 lizards and snakes—Panama (exchange); lizard and snake—Panama (gift)

ZICKMAN, MRS. R., Villa Park, Illinois: 24 wasps—Wisconsin (gift)

ZOOLOGISCH MUSEUM, Amsterdam, The Netherlands: frog—Java (exchange)

## RAYMOND FOUNDATION

BRITTINGHAM, MRS. IRENE, Washington, D.C.: 9 wooden dolls—Korea (gift); 2 carved wooden figures depicting Indians of Ecuador—Ecuador (gift); 23 figures of brass and silver and 2 figures in full costume of Indians of Peru—Peru (gift)

ROW, PETERSON AND COMPANY, Evanston, Illinois: 16 film strips on geology (gift)

TELLER, SIDNEY A., Chicago: small bottle of "Sands of Sahara"—Egypt (gift)

## DIVISION OF PHOTOGRAPHY

CHICAGO NATURAL HISTORY MUSEUM  
Made by Division of Photography—  
2,428 negatives, 32,428 contact prints,

2,688 enlargements, 247 Kodachromes, 208 lantern slides, 7 rolls of film developed

## DIVISION OF MOTION PICTURES

ATLANTIS PRODUCTIONS, INC., Hollywood, California: "African Girl—Malobi" (390-foot sound/color film) (purchase)

CHICAGO NATURAL HISTORY MUSEUM  
"Field Studies in Central American Volcanology" (expedition, Dr. Sharat K. Roy) (2,700-foot silent/color film)

FILM ASSOCIATES, Hollywood, California: "Our Changing World" (600-foot sound/color film) (purchase)

## LIBRARY OF THE MUSEUM

Archer, Dr. W. Andrew, College Park, Maryland

Bieber, Miss Caroline Frances, Santa Fe, New Mexico

Bouge, Madame L. J., Paris, France  
Collier, Dr. Donald, Chicago

Denison, Dr. Robert H., Highland Park, Illinois

Field, Dr. Henry, Coconut Grove, Florida

Field, Stanley, Lake Bluff, Illinois

Gregg, Dr. Clifford C., Valparaiso, Indiana

Haas, Dr. Fritz, Chicago

Hambly, Dr. W. H., Chicago

Hisamatsu, Dr. Sadanari, Entomological Laboratory, College of Agriculture, Ehime University, Japan

Inger, Dr. Robert F., Homewood, Illinois

The John Crerar Library, Chicago

Langhorne, Mrs. George Tayloe, Chicago

McDharlin, Mrs. Marjorie Batchelder, Santa Fe, New Mexico

McGhie, Mrs. George, Lake Bluff, Illinois

Martin, Dr. Paul S., Winnetka, Illinois

Oetjen, Miss Joanna V., Chicago

Peterson, Howard R., Chicago

Pffifner, E. John, Palatine, Illinois

Richardson, E. Stanley, Philadelphia

Richardson, Dr. Eugene S., Jr., Gurnee,  
Illinois  
Roscoe, Ernest J., Chicago  
Schuster, Dr. Carl, Woodstock,  
New York  
State University of Iowa, College of  
Medicine Library, Iowa City  
Street, William S., Seattle, Washington  
Thurow, Donald Ralph, Dallas, Texas  
Valy, Eugene E., Chicago  
Ward, Mrs. Cyril L., Evanston, Illinois  
Wenzel, Dr. Rupert L., Oak Park,  
Illinois  
White, F., Oxford, England  
Woods, Loren P., Homewood, Illinois  
Wren, David L., Chicago

# MEMBERS OF THE MUSEUM

## FOUNDER

Marshall Field\*

## BENEFACTORS

*Those who have contributed \$100,000 or more to the Museum*

Ayer, Edward E.*	Graham, Ernest R.*	Raymond, James Nelson*
Buckingham, Miss Kate S.*	Harris, Albert W.* Harris, Norman W.*	Ryerson, Martin A.* Ryerson, Mrs. Martin A.*
Conover, Boardman* Crane, Cornelius* Crane, R. T., Jr.*	Higinbotham, Harlow N.* Kelley, William V.*	Simpson, James* Smith, Mrs. Frances Gaylord*
Field, Joseph N.* Field, Marshall, III* Field, Stanley Field, Mrs. Stanley* Fuller, Captain A.W.F.*	Pullman, George M.* Rawson, Frederick H.* Raymond, Mrs. Anna Louise*	Smith, George T.* Sturges, Mrs. Mary D.* Suarez, Mrs. Diego

\*deceased

## HONORARY MEMBERS

*Those who have rendered eminent service to Science*

Beyer, Professor H. O.	Field, Stanley	Suarez, Mrs. Diego
Cutting, C. Suydam	Gustaf VI, His Majesty, King of Sweden	

## PATRONS

*Those who have rendered eminent service to the Museum*

Brewer, Charles H.	Cutting, C. Suydam	Hancock, G. Allan
Calderini, Charles J.	Day, Lee Garnett	Moore, Mrs. William H.
Chadbourne, Mrs. Emily Crane	Ellsworth, Duncan S.	Suarez, Mrs. Diego
Chancellor, Philip M.	Fuller, Mrs. A. W. F.	White, Harold A.

DECEASED 1962

Field, Mrs. Stanley

## CORRESPONDING MEMBERS

*Scientists or patrons of science, residing in foreign countries, who have rendered eminent service to the Museum*

Humbert, Professor Henri

Keissler, Dr. Karl

## CONTRIBUTORS

*Those who have contributed \$1,000 to \$100,000 to the Museum  
in money or materials*

*\$75,000 to \$100,000*

Chancellor, Philip M.

*\$50,000 to \$75,000*

Chalmers, Mrs. Joan A.\*

Dee, Thomas J.\*

Keep, Chauncey\*

Morton, Sterling\*

Remmer, Oscar E.\*

Rosenwald, Mrs.  
Augusta N.\*

*\$25,000 to \$50,000*

Adams, Mrs. Edith  
Almy\*

Babcock, Mrs. Abby K.\*

Bensabott, R.\*

Blackstone, Mrs.  
Timothy B.\*

Block, Leopold E.\*

Buchen, Walther\*

Coats, John\*

Coburn, Mrs. Annie S.\*

Crane, Charles R.\*

Crane, Mrs. R. T., Jr.\*

Cutting, C. Suydam

Farr, Miss Shirley\*

Jones, Arthur B.\*

Murphy, Walter P.\*

Porter, George F.\*

Richards, Donald

Richards, Elmer J.

Rosenwald, Julius\*

Schmidt, Karl P.\*

Vernay, Arthur S.\*

White, Harold A.

*\$10,000 to \$25,000*

Adams, Joseph\*

Armour, Allison V.\*

Armour, P. D.\*

Avery, Sewell L.\*

Barnes, R. Magoon\*

Bartlett, Miss Florence

Dibell\*

Chadbourne, Mrs. Emily  
Crane

Chalmers, William J.\*

Conover, Miss

Margaret B.

Cummings, R. F.\*

Everard, R. T.\*

Gunsaulus, Dr. F. W.\*

Hoogstraal, Harry

Insull, Samuel\*

Laufer, Dr. Berthold\*

Lufkin, Wallace W.\*

Mandel, Leon

McCormick, Cyrus

(Estate)

McCormick, Stanley

Mitchell, John J.\*

Perry, Stuart H.\*

Reese, Lewis\*

Richardson, Dr.

Maurice L.

Robb, Mrs. George W.\*

Rockefeller Foundation,

The

Sargent, Homer E.\*

Schwepe, Mrs.

Charles H.\*

Straus, Mrs. Oscar S.\*

Strawn, Silas H.\*

Street, William S.

Strong, Walter A.\*

Walpole, Stewart J.\*

Watkins, Rush

Wetten, Albert H.\*

Witkowsky, James\*

Wrigley, William, Jr.\*

*\$5,000 to \$10,000*

Adams, George E.\*

Adams, Milward\*

American Friends of

China

Arenberg, Albert L.

Arenberg, Mrs. Claire S.

Bartlett, A. C.\*

Bieber, Miss Caroline

Frances

Bishop, Heber (Estate)

Borland, Mrs. John Jay\*

Borth, Edgar C.\*

Chicago Zoological

Society, The

Crane, R. T.\*

Cuatrecasas, Dr. José

Doane, J. W.\*

Field, Dr. Henry

Fuller, William A.\*

Graves, George Coe, II\*

Harris, Hayden B.\*

Harris, Norman Dwight\*

Harris, Mrs. Norman W.\*

Haskell, Frederick T.\*

Hester, Evett D.

Hutchinson, C. L.\*

Keith, Edson\*

Langtry, J. C.

MacLean, Mrs.

M. Haddon\*

Moore, Mrs. William H.

Oppenheimer, Mrs.

Florine G.

Oppenheimer, Seymour

Payne, John Barton\*

Pearsons, D. K.\*

Porter, H. H.\*

Ream, Norman B.\*

Revell, Alexander H.\*

Riley, Mrs. Charles V.\*

Salie, Prince M. U. M.

Schwengel, Dr. Jeanne S.\*

Searle, John G.

Sherff, Dr. Earl E.

Sprague, A. A.\*

Street, Mrs. William S.

Storey, William Benson\*

Telling, Miss Elisabeth

Thorne, Bruce

Tree, Lambert\*

Valentine, Louis L.\*

Van Evera, DeWitt

Ward, Mrs. Cyril L.

Weiss, Mrs. Babs O.

Wyatt, Alex K.

*\$1,000 to \$5,000*

Acosta Solfs, Dr. M.

Alexander, Edward

Armour, Lester

Arnemann, George F.

Atwater, A. G.

Avery, Miss Clara A.\*

Ayer, Mrs. Edward E.\*

\* deceased

CONTRIBUTORS (CONTINUED)

- Baker, Herbert  
 Baker, Mrs. Herbert  
 Barr, Mrs. Roy Evan  
 Barrett, Samuel E.\*  
 Bascom, Dr. William R.  
 Bennett, Holly Reed  
 Bishop, Dr. Louis B.\*  
 Bishop, Mrs. Sherman C.  
 Blair, Watson F.\*  
 Blair, Wm. McCormick  
 Blaschke, Stanley Field  
 Block, Mrs. Helen M.\*  
 Borden, John\*  
 Borgmeier, Rev. Thomas  
 Boulton, Rudyerd  
 Brown, Charles Edward\*  
 Burt, William G.
- Cahn, Dr. Alvin R.  
 Carman, Dr. J. Ernest  
 Cervenka, Joe  
 Clyborne, Harry Vearn  
 Clyborne, Mary Elizabeth  
 Cory, Charles B., Jr.\*  
 Cowles, Alfred  
 Crocker, Templeton\*  
 Cummings, Mrs.  
 Robert F.\*  
 Cummings, Walter J.
- Desloge, Joseph  
 Dick, Albert B., Jr.\*  
 Doering, O. C.\*  
 Donnelley, Mrs. Ann S.  
 Donnelley, Elliott  
 Dybas, Henry S.
- Eitel, Emil\*  
 Emerson, Dr. Alfred E.
- Field, Joseph N.  
 Field, Marshall, Jr.  
 Fish, Mrs. Frederick S.\*  
 Fleming, Dr. Robert L.  
 Force, Dr. Roland W.  
 Frederick, Clarence L.  
 Frederick, Mrs. Helen  
 Fuller, Mrs. A. W. F.  
 Fuller, Captain A. W. F.\*
- Gerhard, William J.\*  
 Gerstley, Dr. Jesse R.\*  
 Getz, James R.  
 Graham, Dr. David C.  
 Graves, Henry, Jr.\*  
 Gregg, Dr. Clifford C.  
 Grier, Mrs. Susie I.\*  
 Gunsaulus, Miss Helen\*  
 Gurley, William F. E.\*
- Hand, Miss LaVerne  
 Harvey, Byron, III  
 Herz, Arthur Wolf\*  
 Hibbard, W. G.\*  
 Higginson, Mrs.  
 Charles M.\*  
 Hill, James J.\*  
 Hinde, Thomas W.\*  
 Hixon, Frank P.\*  
 Hoffman, Miss Malvina  
 Holabird, Mrs. John A.  
 Howe, Charles Albee  
 Hughes, Thomas S.\*
- Isham, Henry P.
- Jackson, Huntington W.\*  
 James, F. G.  
 James, S. L.
- King, Joseph H.\*  
 Knickerbocker,  
 Charles K.\*  
 Kraft, James L.\*
- Langford, George  
 Lee Ling Yün  
 Lerner, Michael  
 Look, Alfred A.  
 Lundelius, Dr. Ernest
- Maass, J. Edward\*  
 MacLean, Haddon H.  
 Mandel, Fred L., Jr.  
 Manierre, George\*  
 Maremont, Arnold H.  
 Marshall, Dr. Ruth\*  
 Martin, Alfred T.\*  
 Martin, Dr. Paul S.  
 McBain, Hughston M.  
 McCormick, Cyrus H.\*  
 McCormick, Mrs. Cyrus\*  
 McElhose, Arthur L.\*  
 Mitchell, Clarence B.  
 Mitchell, William H.  
 Moyer, John W.
- Nash, Mrs. L. Byron  
 Nichols, Henry W.\*
- Odell, Mrs. Daniel W.  
 Ogden, Mrs. Frances E.\*  
 Ohlendorf, Dr. William  
 Clarence\*  
 Osgood, Dr. Wilfred H.\*
- Palmer, Potter\*  
 Park, Dr. Orlando  
 Patten, Henry J.\*
- Pearse, Langdon\*  
 Pinsof, Philip  
 Prentice, Mrs.  
 Clarence C.
- Quimby, George I.
- Rauchfuss, Charles F.\*  
 Raymond, Charles E.\*  
 Reynolds, Earle H.\*  
 Ross, Miss Lillian A.  
 Ross, Walter S.\*  
 Rumely, William N.\*
- Schapiro, Dr. Louis\*  
 Schwab, Henry C.\*  
 Schwab, Martin C.\*  
 Schweppe, Charles H.\*  
 Seevers, Dr. Charles H.  
 Shaw, William W.  
 Smith, Byron L.\*  
 Smith, Ellen Thorne  
 Smith, Solomon A.  
 Solem, Dr. Alan  
 Sprague, Albert A.\*  
 Staehle, Jack C.  
 Steeves, Harrison R., Jr.  
 Steyermark, Dr.  
 Julian A.  
 Stille, Walter T.  
 Sturtevant, Mrs. Mary  
 Brown  
 Sturtevant, Roy E.
- Teskey, Mrs. Margaret  
 Thompson, E. H.\*  
 Thorne, Mrs. Louise E.\*  
 Thurow, Donald R.  
 Trapido, Dr. Harold  
 Traylor, Melvin A., Jr.  
 Trier, Robert
- Van Valzah, Dr. Robert  
 Von Frantzius, Fritz\*
- Ware, Louis  
 Wheeler, Leslie\*  
 Whitfield, Dr. R. H.  
 Wielgus, Mrs. Laura  
 Wielgus, Raymond  
 Willems, Dr. J. Daniel  
 Willis, L. M.\*  
 Wilson, John P.\*  
 Wolcott, Albert B.\*  
 Wrigley, Philip K.
- Yarrington, Dr. C. W.\*  
 Zangerl, Dr. Rainer

\* deceased

## CORPORATE MEMBERS

Armour, Lester	Field, Joseph N.	Moore, Mrs. William H.
Blair, Bowen	Field, Marshall, Jr.	Pirie, John T., Jr.
Blair, Wm. McCormick	Field, Stanley	Randall, Clarence B.
Brewer, Charles H.	Fuller, Mrs. A. W. F.	Reed, John Shedd
Calderini, Charles J.	Gregg, Dr. Clifford C.	Searle, John G.
Chadbourne, Mrs. Emily	Hancock, G. Allan	Simpson, John M.
Crane	Insull, Samuel, Jr.	Smith, Edward Byron
Chancellor, Philip M.	Isham, Henry P.	Smith, Solomon A.
Cummings, Walter J.	Kahler, William V.	Suarez, Mrs. Diego
Cutting, C. Suydam	McBain, Hughston M.	Ware, Louis
Day, Lee Garnett	Miller, Dr. J. Roscoe	White, Harold A.
Ellsworth, Duncan S.	Mitchell, William H.	Wood, J. Howard
	DECEASED 1962	
	Field, Mrs. Stanley	

## LIFE MEMBERS

*Those who have contributed \$500 to the Museum*

Alexander, Edward	Carpenter, Mrs. John	Farr, Newton Camp
Allerton, Robert H.	Alden	Fay, C. N.
Arenberg, Mrs. Judith S.	Carr, George R.	Field, Joseph N.
Armour, A. Watson, III	Carton, Alfred T.	Field, Marshall, Jr.
Armour, Miss Cynthia	Casalis, Mrs. Maurice	Field, Mrs. Norman
Armour, Gordon Field	Cathcart, James A.	Field, Stanley
Armour, Lester	Chatfield-Taylor, Wayne	Forgan, James B.
Armour, Miss Linda	Chrisos, Dr. Sam S.	Frankenthal, Dr.
Armour, Mrs. Vernon	Clare, Carl P.	Lester E.
Armour, Vernon Kelley	Clegg, Mrs. William G.	Friedlich, Mrs.
Ascoli, Mrs. Max	Connor, Ronnoc Hill	Herbert A.
Austin, Edwin C.	Cook, Mrs. Daphne Field	Haffner, Mrs.
Babson, Henry B.	Cowles, Alfred	Charles C., Jr.
Barr, Mrs. Roy Evan	Cox, William D.	Hales, William M.
Barrett, Mrs. A. D.	Cramer, Corwith	Harris, Norman W.
Barrett, Robert L.	Crown, Colonel Henry	Hecht, Frank A.
Bates, George A.	Crown, Robert	Hickox, Mrs. Charles V.
Baur, Mrs. Jacob	Cudahy, Edward A.	Hixon, Mrs. Frank P.
Belden, Joseph C., Jr.	Cummings, Dexter	Hodgson, Mrs. G. C.
Bell, Mrs. Laird	Cummings, Walter J.	Hoover, H. Earl
Bent, John P.	Cunningham, James D.	Hoover, Ray P.
Birmingham, Edward J.	Dahl, Ernest A.	Hopkins, L. J.
Birdsall, Mrs. Carl A.	Davidson, David W.	Hoyt, N. Landon
Blum, Harry H.	Denman, Mrs. Burt J.	Hutchins, James C.
Bolotin, Hyman	Dick, Edison	Insull, Samuel, Jr.
Borland, Mrs. Bruce	Dickinson,	Jarchow, Charles C.
Borland, Chauncey B.	William R., Jr.	Jelke, John F.
Brassert, Herman A.	Dierssen, Ferdinand W.	Joiner, Theodore E.
Brundage, Avery	Donnelley, Gaylord	Jones, J. Morris
Buchanan, D. W.	Dorschel, Querin P.	Kahler, William V.
Budd, Britton I.	Drake, John B.	Keith, Mrs. Stanley
Burley, Mrs. Clarence A.	Durbin, Fletcher M.	Kelley, Miss Jennifer
Burnham, John	Eckhart, Percy B.	James
Burt, William G.	Edmunds, Philip S.	Kelley, Russell P.
Butler, Julius W.	Elich, Robert William	
Carney, William Roy	Erdmann, Mrs.	
	C. Pardee	

LIFE MEMBERS (CONTINUED)

Kelley, Russell P., Jr.	Odell, William R.	Smith, Edward Byron
Kelley, Russell P., III	Offield, James R.	Smith, Solomon A.
Kenney, Clarence B.	Oldberg, Dr. Eric	Smith, Solomon B.
King, James G.	Orr, Robert M.	Soper, James P., Jr.
Kirk, Walter Radcliffe	Otis, J. Sanford	Spalding, Keith
Knight, Lester B.		Spatta, George
Kohler, Eric L.	Paesch, Charles A.	Stern, David B., Jr.
Krafft, Mrs. Walter A.	Palmer, Honoré	Stuart, Harry L.
	Perry, William A.	Stuart, John
Ladd, John	Phelps, Mrs. W. L.	Stuart, R. Douglas
Leslie, Dr. Eleanor I.	Pick, Albert, Jr.	Sturges, George
Leslie, John Woodworth	Prentice, Mrs.	Sullivan, Bolton
Levy, Mrs. David M.	Clarence C.	Sulzberger, Frank L.
Linn, Mrs. Dorothy C.	Primley, Walter S.	
Lloyd, Glen A.		Taylor, James L.
Lunding, Franklin J.	Raymond, Dr. Albert L.	Thompson, John R., Jr.
	Roberts, Shepherd M.	Tree, Ronald L. F.
MacLeish, John E.	Robertson, Hugh	Tyson, Russell
MacVeagh, Eames	Robinson, Sanger P.	
Manierre, Francis E.	Rodman, Mrs. Katherine	Valentine, Mrs. May L.
Mark, Mrs. Cyrus	Field	Veatch, George L.
Mason, William S.	Rodman, Thomas	
McBain, Hughston M.	Clifford	Wagner, Louis A.
McBride, W. Paul	Rosenwald, William	Waller, Richard A.
McCormick, Fowler	Ross, Mrs. Robert C.	Wanner, Harry C.
McGraw, Max	Rubloff, Arthur	Ward, P. C.
McIlvaine, William B.	Runnells, Mrs. Clive	Ware, Louis
McKinlay, John, Jr.	Ryerson, Edward L.	Ware, Mrs. Louis
McLennan,		Warren, Paul G.
Donald R., Jr.	Sackheim, Judd	Welch, Mrs. Edwin P.
McMillan, James G.	Sawyer, Ainslie Y.	Welling, Mrs. John Paul
Meyne, Gerhardt F.	Seabury, Charles W.	Whiston, Frank M.
Miller, Mrs. C. Phillip	Searle, John G.	Willard, Alonzo J.
Miller, Dr. J. Roscoe	Sengstack, David K.	Wilson, Mrs. Robert E.
Mitchell, William H.	Shakman, James G.	Witte, John McFaul
Morse, Charles H.	Sharpe, Nathan M.	Wrigley, Philip K.
Mueller, Miss Hedwig H.	Shire, Mrs. Moses E.	Wrigley, William
Myrland, Arthur L.	Simpson, John M.	

DECEASED 1962

Baum, Mrs. James F.	Madlener, Mrs. Albert F.	Zimmerman, Herbert P.
Field, Mrs. Stanley	Swift, Harold H.	

## NON-RESIDENT LIFE MEMBERS

*Those, residing fifty miles or more from the city of Chicago, who have  
contributed \$100 to the Museum*

Alexander, Walter  
Allen, Dr. T. George  
Andrew, Edward

Boynton, Charles T.

Cassevant, Albert F.  
Clemen, Dr. Rudolf A.  
Coolidge, Harold J.

Desmond, Thomas C.  
Dulany, George W., Jr.

Fowler, Miss Lissa  
Franklin, Eginton  
Freeman, Charles Y.

Gregg, Clifford C., Jr.  
Gregg, Major John B.

Gregg, John Wyatt

Hearne, Knox  
Holloman, Mrs.  
Delmar W.

Johnson, David E.  
Johnson, Herbert F., Jr.

Keatinge, Daniel W.  
Knudtson, E. J.

Macnaughton, Mrs. M. F.  
Maxwell, Gilbert S.  
Miller, Emil W.  
Minturn, Benjamin E.  
Moore, J. Kinney

Post, Mrs. Philip Sidney

Price, Mark

Richardson, Dr.  
Maurice L.  
Rosenwald, Lessing J.  
Ruhle, George C.

Sackett, DeForest  
Shirey, Dwight  
Skarrn, Mr. Kenneth W.  
Smith, Mrs. Vera Lash  
Stern, Mrs. Edgar B.  
Strassheim, Fred W.

Watt, Herbert J.  
Weaver, Mrs. Lydia C.  
Wiman, Mrs.  
Charles Deere

Zerk, Oscar U.

### DECEASED 1962

Murray, Mrs. Robert H.

Osgood, Mrs. Cornelius



## ASSOCIATE MEMBERS

*Those who have contributed \$100 to the Museum*

- |                         |                           |                          |
|-------------------------|---------------------------|--------------------------|
| Aaron, Charles          | Allyn, Mrs. John W.       | Ashe, Clayton            |
| Aaron, Ely M.           | Alschuler, Alfred S., Jr. | Ashenhurst, Harold S.    |
| Abadin, Dr. Amando F.   | Alsip, Mrs. Charles H.    | Asher, Frederick         |
| Abbell, Joseph J.       | Alter, Harry              | Asher, Norman            |
| Abbott, Donald          | Altholz, Mrs. Herbert C.  | Asher, Dr. Sidney        |
| Putnam, Jr.             | Alton, Carol W.           | Ashwell, Mrs. John W.    |
| Abeles, Mrs. Jerome G.  | Alward, Walter C., Jr.    | Atwood, Carl E.          |
| Abler, Julius J.        | American, John G.         | Auer, George A.          |
| Abrams, Duff A.         | Ames, Alfred C.           | Augur, Allison L.        |
| Abrams, Dr. Herbert K.  | Ames, Rev. Edward S.      | Augustus, Mrs. Helen A.  |
| Abrams, James Ross      | Ames, Joseph B.           | Aurelius, Mrs. Marcus A. |
| Abramson, Jules         | Ancel, Louis              | Ause, Orval H.           |
| Abramson, Ralph J.      | Andersen, John D.         | Avery, George J.         |
| Ackerman, Dr. Joseph    | Anderson, A. Harold       | Avery, Guy T.            |
| Ackley, Dr. W. O.       | Anderson, A. L.           | Avery, William H.        |
| Adamick, Gustave H.     | Anderson, Mrs. Alfred     | Axelrad, Mrs. Milton S.  |
| Adams, Mrs. Charles S.  | Anderson, Mrs. A. W.      | Ayres, Robert B.         |
| Adams, Cyrus H., III    | Anderson, Carlyle E.      |                          |
| Adams, Mrs. Frances     | Anderson, Francis M.      | Babbitt, Mrs. Oscar      |
| Sprogle                 | Anderson, Dr. Herbert L.  | Babson, Mrs. Gustavus    |
| Adams, Fred E., Jr.     | Anderson, Herbert R.      | Bacci, Alex H.           |
| Adams, George L.        | Anderson, Hugo A.         | Back, Miss Maude F.      |
| Adams, Miss Jane        | Anderson, J. W.           | Bacon, Dr. Alfons R.     |
| Adams, John Q.          | Anderson, Mrs.            | Bacon, R. H.             |
| Adams, William C.       | Robert Gardner            | Bade, Miss Florence      |
| Adamson, Henry T.       | Anderson, W. W.           | Harriett                 |
| Addington, James R.     | Andreasen, Norman         | Baehr, William B.        |
| Addington, Mrs.         | Andrews, Mrs. E. C.       | Baer, David E.           |
| Sarah Wood              | Andrews, Milton H.        | Baffes, Dr. Thomas G.    |
| Adler, Harry            | Andrews, Mrs. Otis G.     | Baggaley, William Blair  |
| Adler, Dr. Robert       | Angelopoulos, Archie      | Baker, Dr. Bernard       |
| Aeby, Miss Jacquelyn    | Anger, Frank G.           | Baker, Edward H.         |
| Ahlschlager, Walter W.  | Anning, H. E.             | Baker, Greeley           |
| Akehurst, A. George     | Anstiss, George P.        | Baker, Paul E.           |
| Akenson, Wylie G.       | Antognoli, John L.        | Bailey, George R.        |
| Albade, Wells T.        | Appelt, Mrs. Jessie E.    | Bair, W. P.              |
| Alberts, Lee Winfield   | Appleton, Arthur I.       | Bairstow, Mrs.           |
| Alberts, Mrs. M. Lee    | Appleton, John Albert     | Harry, Jr.               |
| Albiez, George          | Arenberg, Albert L.       | Baker, Greeley           |
| Albright, Dr. Arthur C. | Arenberg, Kenneth M.      | Baldauf, John H.         |
| Albright, C. Jere       | Aries, Dr. Leon J.        | Baldwin, Mrs. Amy G.     |
| Alder, Thomas W.        | Armour, Mrs. Laurance     | Baldwin, Rosecrans       |
| Aldis, Graham           | Armour, Laurance H., Jr.  | Baldwin, Vincent Curtis  |
| Alenduff, Harold W.     | Armour, Mrs. Stanton, Sr. | Balgemann, Otto W.       |
| Alexander, William H.   | Armour, T. Stanton        | Balkin, Louis            |
| Allbright, John G.      | Armstrong, Mrs. Julian    | Ball, Clayton G.         |
| Allen, Craig T., Jr.    | Armstrong, Kenneth        | Ball, Dr. Fred E.        |
| Allen, Frank W.         | Armstrong, Richard R.     | Ball, Ralph K.           |
| Allen, Mrs. Grace G.    | Armstrong, W. H.          | Ballard, E. E.           |
| Allen, Herman           | Armstrong, Mrs.           | Ballard, Mrs. Ernest H.  |
| Allen, Joseph M.        | William A.                | Ballard, Mrs. Foster K.  |
| Allen, Nathan           | Arnold, Herbert R.        | Ballenger, A. G.         |
| Allen, Waldo Morgan     | Arnold, Mrs. Lloyd        | Ballis, S. R.            |
| Allen, Wayne M.         | Arnold, Lorn E.           | Balluff, Louis N.        |
| Allensworth, A. P.      | Arnold, Robert M.         | Baltis, Walter S.        |
| Allin, J. J.            | Arntzen, John C.          | Banker, O. H.            |
| Allmart, William S.     | Artingstall, Samuel G.    | Banks, Dr. Seymour       |
| Allport, Hamilton       | Arvey, Mrs. Edith F.      | Bannister, Miss          |
| Allworthy, Joseph       | Ascher, Fred              | Ruth D.                  |

ASSOCIATE MEMBERS (CONTINUED)

- Bannon, James W.  
 Barancik, Richard M.  
 Barber, Phil C.  
 Barbera, Joseph  
 Barden, Horace G.  
 Bardwell, William U.  
 Bargquist, Miss  
 Lillian D.  
 Barker, E. C.  
 Barkhausen, Mrs.  
 Henry G.  
 Barlow, John T.  
 Barnard, George Hugh  
 Barnes, Cecil  
 Barnes, Mrs. John S.  
 Barnes, Miss Lilace Reid  
 Barnett, Claude A.  
 Barney, Albert S.  
 Barnhart, Mrs. A. M.  
 Barr, Mrs. Alfred H.  
 Barr, George  
 Barrett, Mrs. Arthur M.  
 Barry, Mrs. Scammon  
 Barson, Dr. Lloyd J.  
 Barsumian, Edward L.  
 Bartel, Thomas B.  
 Barthell, Gary  
 Bartholomae, Mrs.  
 Emma  
 Bartholomay, Henry C.  
 Bartholomay, Herman, Jr.  
 Bartholomay, Mrs.  
 William, Jr.  
 Barton, A. D.  
 Bashore, Mrs. Helen  
 Basile, A. R.  
 Basile, William B.  
 Basinger, Paul J.  
 Basta, George A.  
 Bates, Dr. A. Allan  
 Bates, Mrs. A. M.  
 Bates, Rex J.  
 Battey, Paul L.  
 Baum, Dr. Hugo C.  
 Baum, Wilhelm  
 Baumann, Harry P.  
 Bausch, William C.  
 Bayly, Dr. Melvyn A.  
 Beach, Miss Bess K.  
 Beach, E. Chandler  
 Beach, George R., Jr.  
 Beachy, Mrs. Walter F.  
 Beatty, John T.  
 Becherer, Robert C.  
 Beck, Alexander  
 Becker, Edward C.  
 Becker, Mrs. Ethel G.  
 Becker, James H.  
 Becker, Louis L.  
 Becker, Max  
 Becker, Mrs. S. Max, Jr.  
 Beckler, R. M.  
 Beckman, Mrs. Victor A.  
 Beckstrom, Miss  
 Lucile M.  
 Beddoes, Hubert  
 Beebe, Dr. Robert A.  
 Behr, Carlton E.  
 Behr, Mrs. Edith  
 Beidler, Francis II  
 Belding, Mrs. H. H., Jr.  
 Belinky, Walter  
 Bell, Chauncey M.  
 Bell, J. Delos  
 Bellizzi, Dr. Alfredo  
 Bellows, Jason Ernest  
 Belmonte, Dr. John V.  
 Belnap, Nuel D.  
 Bender, Eric  
 Benjamin, Jack A.  
 Benner, Harry  
 Bennett, Bertram W.  
 Bennett, Clinton C.  
 Bennett, Edward H., Jr.  
 Bennett, Dr. H. Stanley  
 Bennett, Professor  
 J. Gardner  
 Bennett, S. A.  
 Bensinger, B. E.  
 Benson, John  
 Benson, Mrs.  
 Thaddeus R.  
 Berc, Harold T.  
 Beré, Lambert  
 Berend, George F.  
 Berens, Alfred S.  
 Berens, Dr. David G.  
 Bergen, Mrs. G. L.  
 Bergfors, Emery E.  
 Bergman, Arthur W.  
 Berkely, Dr. J. G.  
 Berman, Seymour  
 Bernstein, Samuel  
 Bernstein, Saul  
 Berry, V. D.  
 Bersbach, Elmer S.  
 Bertschinger, Dr. C. F.  
 Berwanger, Jay  
 Besly, Mrs. C. H.  
 Bettendorf, Harry J.  
 Bettman, Dr. Ralph B.  
 Betts, David H.  
 Betz, Carl E.  
 Biddle, Robert C.  
 Biedermann, Lee F.  
 Biehn, Dr. J. F.  
 Bielinski, Dr. Henry E.  
 Biersborn, Charles F.  
 Bigelow, Mrs. Ann  
 Biggers, Bryan B.  
 Biggs, Mrs. Joseph H.  
 Bigler, Dr. John A.  
 Bikle, W. E.  
 Billow, Miss Virginia  
 Billsten, Henry A.  
 Bimmerle, Dr. John F.  
 Binder, Miss Kay  
 Birch, Dr. Carroll L.  
 Bird, Miss Frances  
 Bittel, Mrs. Frank J.  
 Bittrich, Miss Grace  
 Bixby, Edward Randall  
 Bixby, Frank L.  
 Bixby, George, Jr.  
 Bjork, Eskil I.  
 Black, Dr. Chester J.  
 Black, Harry  
 Blackburn, Oliver A.  
 Blaine, James B.  
 Blair, Miss  
 Anita Carolyn  
 Blair, Bowen  
 Blair, Edward  
 McCormick  
 Blair, John M.  
 Blair, Wm. McCormick  
 Blair, Wolcott  
 Blanksten, Samuel B.  
 Blatchford, Dr. Frank  
 Wicks  
 Blatchford, Thomas R.  
 Blecker, Mrs.  
 Michael, Jr.  
 Blessing, Mrs. Lewis G.  
 Blish, Charles C.  
 Bliss, Vincent R.  
 Block, Joseph L.  
 Block, Leigh B.  
 Block, Mrs. Leigh B.  
 Block, Nelson C.  
 Block, Philip D., Jr.  
 Block, Samuel W.  
 Bluford, Mrs. David  
 Blumenschein, C. M.  
 Blumenthal, Dr. Irving  
 Blumenthal, Milton M.  
 Blunt, J. E.  
 Blustin, L. Sanford  
 Boal, Stewart  
 Boal, Thomas  
 Bobrinsky, Mrs. George V.  
 Bodjanac, Stephen  
 Bodman, Robert E.  
 Bodman, W. S.  
 Boe, Archie R.  
 Boehme, Harold C.  
 Boericke, Mrs. Anna  
 Boetcher, John E.  
 Boettcher, Arthur H.  
 Bogert, George T.  
 Bogert, Mrs. Gilbert P.  
 Bohac, Ben F.

ASSOCIATE MEMBERS (CONTINUED)

- Bohan, Clinton W.  
 Bohasseck, Charles  
 Bohne, Carl J., Jr.  
 Bolotin, Gerald G.  
 Bolten, Paul H.  
 Bondy, Berthold  
 Bonine, Miss Ada  
 Bonniwell, Donald R.  
 Boomer, Dr. Paul C.  
 Boone, Arthur  
 Booth, George E.  
 Boothby, Palmer C.  
 Borchardt, Mrs.  
     Robert T.  
 Borg, George W.  
 Bori, Mrs. Albert V.  
 Borland, Mrs.  
     John Jay, II  
 Borland, William F.  
 Borowitz, David  
 Borwell, Robert C.  
 Bosch, Charles  
 Bosch, Mrs. Henry  
 Boss, Sidney M.  
 Bosworth, Mrs.  
     Roland I.  
 Boughner, Jackson L.  
 Bournique, Miss Helen E.  
 Bousa, Dr. Bohuslav  
 Bowen, Mrs. Clarence W.  
 Bowers, Ralph E.  
 Bowersox, W. A.  
 Bowes, Arthur S.  
 Bowker, Mrs. Charles, Jr.  
 Bowman, Mrs. E. M.  
 Bowman, J. C.  
 Bowman, Johnston A.  
 Boyd, Mrs. T. Kenneth  
 Boyer, Paul F.  
 Braddy, Jim  
 Bradley, Mrs. A. Ballard  
 Bradley, Edward J.  
 Bradley, John R.  
 Bradley, Roy D.  
 Bradway, Malcolm S.  
 Brainerd, Mrs. Arthur T.  
 Bramble, Delhi G. C.  
 Brammer, Dr. Lowell H.  
 Branch, Judson B.  
 Brandel, Miss Carola R.  
 Brandenburg, John A.  
 Brandt, Charles H.  
 Brandt, Leslie A.  
 Brandt, William A.  
 Branham, William T.  
 Bransfield, John J.  
 Bransfield, John J., Jr.  
 Braucher, Ralph L.  
 Brauer, Mrs. Paul  
 Braun, Dr. L. L.  
 Braun, Martin H.  
 Braun, Dr. Milton  
 Bremner, Mrs. David F.  
 Brennan, B. T.  
 Brenner, S. L.  
 Brennom, Dr. Elmo F.  
 Breslin, Dr. Winston I.  
 Brichetto, John L.  
 Bridges, Arnold  
 Briggs, George L.  
 Bristol, James T.  
 Broadhurst, R. P.  
 Brock, Donald C.  
 Brodie, Miss Laura  
 Brodribb, Lawrence C.  
 Brodsky, J. J.  
 Brody, Bernard B.  
 Brost, Robert V.  
 Brostoff, Harry M.  
 Browder, William B.  
 Brown, A. Wilder  
 Brown, Baird  
 Brown, Cameron  
 Brown, C. Foster, Jr.  
 Brown, Mrs. C. H.  
 Brown, Christy  
 Brown, Mrs. Everett C.  
 Brown, H. Templeton  
 Brown, Isadore  
 Brown, Dr. Joshua M.  
 Brown, Mark A.  
 Brown, Richard P., Jr.  
 Brown, Warren W.  
 Brown, William F.  
 Bruhne, Aldis J., Jr.  
 Bruhn, H. C.  
 Brunell, Albert H.  
 Bruning, Herbert F.  
 Brunsvold, Mrs.  
     Henrietta A.  
 Brunswick, Joseph E.  
 Brunswick, Larry  
 Brust, Paul W.  
 Bryant, John J.  
 Bua, Nicholas J.  
 Buchanan, Eugene D.  
 Buchanan, L. B.  
 Buchbinder, Robert  
 Buchen, Paul J.  
 Buchen, Mrs.  
     Walther H.  
 Buchner, Dr. E. M.  
 Buckley, Mrs. Warren  
 Bucklin, Mrs. Vail R.  
 Buddeke, Ivo W.  
 Buddington, Robert M.  
 Budrys, Dr. Stanley  
 Buechler, Adolph  
 Buehler, A. C., Jr.  
 Buehler, H. L.  
 Buehler, Robert  
 Buettner, Walter J.  
 Buffardi, Louis  
 Bulley, Allen E.  
 Bund, Marcus  
 Bunn, B. H.  
 Bunn, C. M.  
 Bunte, Mrs. Theodore W.  
 Burbott, E. W.  
 Burch, Clayton B.  
 Burchmore, John S.  
 Burd, James E.  
 Burg, Harry  
 Burgweger, Mrs.  
     Meta Dewes  
 Burke, Mrs. Edmund L.  
 Burke, James O.  
 Burnell, Homer A.  
 Burnham, Mrs. George  
 Burnham, Joseph A.  
 Burns, Mrs. Randall W.  
 Burrows, Robert S.  
 Burry, William  
 Burwell, Mrs.  
     Dorothy M.  
 Busch, David T.  
 Bush, Earl J.  
 Bush, Mrs. William H.  
 Butler, Mrs. Coula P.  
 Butler, George W.  
 Butler, John C.  
 Butler, Paul  
 Butzow, Mrs. Robert C.  
 Bye, William H.  
 Byrne, Miss Margaret H.  
 Cahn, Dr. Alvin R.  
 Cahn, Morton D.  
 Caiazza, Theodore M.  
 Caikar, Louis F.  
 Caine, Leon J.  
 Caldwell, Wallace B.  
 Call, Edgar J.  
 Callender, Mrs.  
     Joseph E.  
 Calvin, Mrs. H. L.  
 Camenisch, Miss  
     Sophia C.  
 Cameron, Anson W.  
 Cameron, Mrs.  
     John Wheaton  
 Cameron, William T.  
 Camp, J. Beidler  
 Campbell, Donald F., Jr.  
 Campbell, George V.  
 Campbell, Hugh  
 Campbell, John Noble  
 Canby, Caleb H., Jr.  
 Canman, Richard W.  
 Canmann, Mrs.  
     Harry L.  
 Capes, Miss Alice G.  
 Caples, William G.

ASSOCIATE MEMBERS (CONTINUED)

Capps, Dr. Joseph A.  
 Carey, Mrs. Charles  
 Carlen, Raymond N.  
 Carlin, Leo J.  
 Carlisle, Mrs. William T.  
 Carlson, Walter C. D.  
 Carmell, Sherman  
 Caron, O. J.  
 Carp, Joseph T.  
 Carqueville, Mrs. A. R.  
 Carr, Rr. Adm. B. L.  
 Carr, Robert A.  
 Carr, Mrs. Robert F.  
 Carroll, J. B.  
 Carroll, John A.  
 Carstens, Milton Searle  
 Carter, Mrs. Armistead B.  
 Carter, Miss Frances  
     Jeannette  
 Carton, Laurence A.  
 Carton, Dr. Robert W.  
 Caspers, Paul  
 Cass, Sidney H.  
 Cassidy, Thomas G.  
 Castruccio, Giuseppe  
 Cathcart, Silas S.  
 Caywood, Thomas E.  
 Cederlund, R. Stanley  
 Cerling, Fredolph A.  
 Cermak, George R.  
 Cernoch, Frank  
 Cerny, Mrs. Jerome  
 Cervenka, Carl  
 Chace, Thomas B.  
 Chalfant, Arnold R.  
 Chameroy, Arthur T.  
 Chandler, Henry P.  
 Chandler, Marvin  
 Chapin, William Arthur  
 Chapman, Arthur E.  
 Chapman, Dave  
 Chapman, Richard R.  
 Chase, Norman M.  
 Chatain, Robert N.  
 Chazanow, George  
 Cheney, Dr. Henry W.  
 Chenicek, Dr. J. A.  
 Chenier, Miss Mizpah  
 Cheronos, George D.  
 Cherry, Walter L., Jr.  
 Chesler, Morton C.  
 Chester, W. T.  
 Chiara, Anthony R.  
 Childs, Leonard C.  
 Chilgren, Arthur D.  
 Chinlund, Miss Ruth E.  
 Chorn, William G.  
 Christensen, Robert W.  
 Christian, John F.  
 Christiansen, Dr. Henry  
 Christopher, Dr. G. L.  
 Christy, Dr. Harold W.  
 Chulock, Willmar A.  
 Churan, Charles A.  
 Church, Mrs. Freeman S.  
 Ciral, Philip F.  
 Clansky, Roy W., Jr.  
 Clark, Mrs. Alice Dargan  
 Clark, Mrs. Edward S.  
 Clark, Edwin H.  
 Clark, Dr. James Wilson  
 Clark, K. Raymond  
 Clarke, Charles F.  
 Clarke, Ernest E.  
 Clarke, Miss Lorena  
 Clarke, Dr. T. Howard  
 Clay, John  
 Clement, Franklin G.  
 Clement, Howard W.  
 Clement, James W.  
 Clements, George L.  
 Clifford, Fred J., Jr.  
 Clifford, J. S.  
 Clinch, Duncan L.  
 Cline, Lyle B.  
 Clonick, Abraham J.  
 Clonick, Herbert J.  
 Clonick, Seymour E.  
 Close, James W.  
 Clough, Herbert W.  
 Clovis, Paul C., Sr.  
 Clow, Miss Marion  
 Cluxton, Dr.  
     Harley E., Jr.  
 Coale, William F., Jr.  
 Coates, E. Hector  
 Coates, John M.  
 Coath, V. W.  
 Coburn, Maurice W.  
 Cochran, John L.  
 Cocks, Thomas G.  
 Coey, David R.  
 Coghlan, Mrs. David L.  
 Cohen, George B.  
 Cohen, Harry  
 Cohen, S. T.  
 Cohn, Aaron H.  
 Coldiron, Harry A.  
 Cole, John W.  
 Cole, Sidney I.  
 Coleman, Clarence L., Jr.  
 Coleman, Dr. George H.  
 Coleman, Mrs. John  
 Coleman, Loring W.  
 Coleman, Marvin H.  
 Colenso, James E.  
 Coliton, William P.  
 Collias, Philip J.  
 Collins, Beryl B.  
 Collison, E. K.  
 Colnon, Stuart  
 Colvin, Miss Bonnie  
 Colvin, Miss Jessie  
 Colwell, Clyde C.  
 Compton, Mrs.  
     Arthur H.  
 Compton, D. M.  
 Cone, Fairfax M.  
 Cone, Mrs. R. E.  
 Conger, Miss Cornelia  
 Conklin, Miss Shirley  
 Conley, Philip  
 Connell, P. G.  
 Connery, John  
 Connors, Mrs. Thomas A.  
 Conover, Miss  
     Margaret B.  
 Cook, Mrs. Charles B.  
 Cook, Mrs. David S.  
 Cook, Jonathan Miller  
 Cook, Junius F., Jr.  
 Cook, L. Charles  
 Cook, Leslie H.  
 Cook, Dr. Richard S.  
 Cook, Thomas H.  
 Cooke, Dr. Pauline M.  
 Cooley, Gordon A., Sr.  
 Coolidge, Dr. Edgar D.  
 Coombs, James F.  
 Coonley, John Stuart  
 Coonley, Prentiss L.  
 Cooper, Lee  
 Cooper, Samuel  
 Cooper, S. Robert  
 Copland, David  
 Corbett, Paul M.  
 Corbett, Mrs. William J.  
 Cordray, Mrs. David P.  
 Corrington, John W.  
 Cosford, Thomas H.  
 Costanzo, Dr. Vincent A.  
 Costanzo, Dr.  
     Vincent A., Jr.  
 Costello, A. B.  
 Costello, Dr. Lorne  
 Coston, James E.  
 Cottle, Dr. Maurice H.  
 Cotton, Eugene  
 Coulon, Dr. Albert E.  
 Coulson, John S.  
 Coursen, Charles B.  
 Covington, John R.  
 Covington, William S.  
 Cowan, Ralph  
 Cowen, Miss Edna T.  
 Cowen, Dr. Jack P.  
 Cowen, Maurice L.  
 Cowles, Knight C.  
 Cox, Clifford B.  
 Coyne, Thomas R.  
 Cragg, Mrs. George L.  
 Craig, George M.  
 Craig, Mrs. Virginia

ASSOCIATE MEMBERS (CONTINUED)

- Crain, G. D., Jr.  
 Cram, Mrs. Norman  
 Crawford, Henriques  
 Crawford, Robert A.  
 Crawford, W. F.  
 Creange, A. L.  
 Cretors, Charles J.  
 Criel, Theodore A., Jr.  
 Crohn, Miss Natalie  
 Cromwell, Miss  
     Juliette Clara  
 Cross, Louis J.  
 Cross, Robert C.  
 Cryor, Robert E.  
 Cubbins, Dr. William R.  
 Cudahy, Edward I.  
 Culbertson, James G.  
 Cullen, J. A.  
 Culmer, Dr. Charles U.  
 Culver, Sydney K.  
 Cummings, Mrs. D. Mark  
 Cummings, Edward M.  
 Cummings, Mrs.  
     Frances S.  
 Cummings, Nathan  
 Cump, Percy W., Jr.  
 Cuneo, Francis J.  
 Cuneo, John F.  
 Cunningham, J. Lester  
 Cunningham, Seymour S.  
 Curtis, Austin  
     Guthrie, Jr.  
 Curtis, Glenn R.  
 Curwen, H. L.  
 Cusack, Harold  
 Cushing, John Caleb  
 Cushman, Barney  
 Cutler, Paul William  
 Cutter, Charles F.
- Dabasinskas, Walter  
 Daemicke, Mrs.  
     Irwin Paul  
 Dahl, Miss Bernice  
 Dahlberg, Wendell  
 Dahlin, Carl A.  
 Daily, Orville G.  
 Daily, Col. Richard  
 Daley, Harry C.  
 Dalmar, Mrs. Hugo  
 Dalmar, Hugo, Jr.  
 Daly, James J.  
 Dammann, J. F.  
 Danders, Raymond A.  
 Dangel, W. H.  
 Danielson, Philip A.  
 Danley, Jared Gage  
 Danne, William C., Jr.  
 Dantzig, Leonard P.  
 Dapples, George H.  
 D'Aquila, George
- Darbo, Howard H.  
 Darby, John H.  
 Darrow, Paul E.  
 Daughaday, C. Colton  
 Davidson, D. E.  
 Davidson, Louis G.  
 Davies, Marshall  
 Davies, Trevor L.  
 Davis, Arthur  
 Davis, C. S.  
 Davis, DeForest Paine  
 Davis, Don L.  
 Davis, Frank S.  
 Davis, Henry E.  
 Davis, Dr. Joseph A.  
 Davis, Mrs. June  
     Brendecke  
 Davis, Dr. Loyal  
 Davis, Morton A.  
 Dawes, Charles C.  
 Dawson, John H.  
 Dean, Mrs. S. E., Jr.  
 Deardorff, Merle S.  
 Decker, Charles O.  
 De Costa, Lewis M.  
 de Dardel, Carl O.  
 Deeming, W. S.  
 Deis, Mrs. Thomas P.  
 Delaney, Frederick A.  
 DeLarye, Dr. William L.  
 DeLay, Frank P.  
 Delp, Larry  
 Demaree, H. S.  
 Deming, Everett G.  
 Denis, Stanley T.  
 Denney, Ellis H.  
 Deree, William S.  
 Dern, James G.  
 Desgrey, Charles W.  
 Detmer, John F.  
 De Trana, Dr. George  
 Deutsch, Mrs. Percy L.  
 Devine, Matthew L.  
 Devoe, Carl  
 De Vries, David  
 DeWitt, Clyde F.  
 DeWitt, Dennis  
 Dick, A. B., III  
 Dick, Mrs. A. B., III  
 Dick, Elmer J.  
 Dick, Robert  
 Dick, Mrs. Robert F.  
 Dickinson, F. R.  
 Dickinson, Vincent B.  
 Diestel, Mrs. Herman  
 Dietch, Henry X.  
 Diggs, Mrs. N. Alfred  
 Diller, Robert  
 Diller, Theodore C.  
 Dillie, James P.  
 Dillion, Don F.
- Dimick, Miss Elizabeth  
 Dixon, George W., Jr.  
 Dixon, Stewart S.  
 Dixon, Wesley M., Jr.  
 Dixon, Mrs. William  
     Warren  
 Dobyns, Mrs. Henry F.  
 Doctor, Isidor  
 Dodge, Mrs. Paul C.  
 Dolan, Tom  
 Dole, John L.  
 Dolke, W. Fred  
 Domville, Mrs.  
     Millington  
 Donlon, Mrs. Stephen E.  
 Donnel, Mrs. Curtis, Jr.  
 Donnelley, Elliott  
 Donnelley, Mrs. H. P.  
 Donnelley, Thomas E., II  
 Donnersberger,  
     Raymond G.  
 Donohue, Edgar T.  
 Doody, Miss Kitty  
 Doolittle, John R.  
 Dornbusch, Charles H.  
 Doroce, Joseph, Jr.  
 Dorsey, John K.  
 Doucette, Robert J.  
 Douglass, James H., Jr.  
 Douglass, H. James  
 Douglass, Mrs.  
     Helen James  
 Douglass, Kingman  
 Dover, S. M.  
 Doyon, Robert Gale  
 Drago, Stephen  
 Drake, Charles R.  
 Drake, Mrs. Harry L.  
 Drake, Robert T.  
 Drake, Mrs. R. Taylor  
 Drangsholt, Mrs.  
     Gunnar S.  
 Dreutzer, Carl  
 Drever, Thomas  
 Dreyfus, Mrs. Moise  
 Dry, Carl  
 Duclos, George A.  
 Dudak, Mrs. Anna  
 Dudley, Laurence H.  
 Duffy, James F.  
 Dukelow, Mrs. Madelina  
 Dulla, Steven G.  
 Dulsky, Mrs. Samuel  
 Dumelle, Frank C.  
 Dunbaugh, Harry J.  
 Duncan, Albert G.  
 Duner, Joseph A.  
 Dunlap, William E.  
 Dunlop, Charles  
 Dunlop, Mrs. Simpson  
 Dunphy, Charles S.

ASSOCIATE MEMBERS (CONTINUED)

- Durand, Mrs. N. E.  
 Dvonch, Dr. William J.  
 Dyer, Robert T.  
 Easterberg, C. J.  
 Eastman, Mrs. George H.  
 Eaton, J. Frank  
 Ebbbers, Todd A.  
 Ebeling, Frederic O.  
 Ebert, Carl H.  
 Ebin, Mrs. Dorothy  
     Mylrea  
 Ebzery, Miss Joan  
 Eckert, Theodore T.  
 Eddy, Alfred K.  
 Edelson, Dave  
 Edelson, Mitchell, Jr.  
 Edmunds, John K.  
 Edwards, Miss Edith E.  
 Edwards, G. H.  
 Edwards, William C.  
 Eger, Gerard J.  
 Ehrlich, Stanton L.  
 Eichengreen, Edmund K.  
 Eichler, Robert M.  
 Eiseman, Fred R.  
 Eisenberg, Sam J.  
 Eisendrath, Edwin W.  
 Eisenhower, Earl D.  
 Eisenschiml, Mrs. Otto  
 Eisenstein, Sol  
 Eklund, Ernest A.  
 Eldred, Mrs. Harriot W.  
 Ellbogen, Miss Celia  
 Ellies, E. E.  
 Ellinger, Dr. R. H.  
 Elliott, Mrs. Edwin P.  
 Elliott, Miss Grace E.  
 Ellis, Mrs. G. Corson  
 Ellis, Howard  
 Elmer, Mrs. Clarence W.  
 Elston, Mrs. I. C.  
 Elting, Victor, Jr.  
 Elting, Winston  
 Elvgren, Gillette A.  
 Emanuelson, Conrad R.  
 Embree, Henry S.  
 Embree, J. W., Jr.  
 Emery, Edward W.  
 Emmerich, Miss Clara L.  
 Engelman, Mrs. Robert S.  
 Engelmann, George W.  
 English, Harold  
 English, William L.  
 Engstrom, Harold  
 Entsminger, Samuel E.  
 Epstein, Harvey  
 Epstein, Herman L.  
 Erickson, Donald  
 Erickson, L. Hyland  
 Ericson, Mrs. Chester F.  
 Ericsson, Clarence  
 Ericsson, Dewey A.  
 Ericsson, Walter H.  
 Erikson, Carl A.  
 Erman, Walter  
 Ernest, Joseph R.  
 Ernst, Mrs. Leo  
 Escudier, A. F.  
 Esgar, R. Rea  
 Ettelson, Jerome  
     Lawrence  
 Etten, Henry C.  
 Evans, Miss Anna B.  
 Evans, Eliot H.  
 Evans, Keith J.  
 Evans, Vernon K.  
 Everett, William S.  
 Evers, John W.  
 Faber, Milton D.  
 Fabrice, Edward H.  
 Fackt, Mrs. George P.  
 Factor, Mrs. Jerome  
 Fader, A. L.  
 Faherty, Roger  
 Fairweather, Dr. D. H.  
 Faithorn, Walter E.  
 Faletti, Richard J.  
 Falk, Dr. Alfred B.  
 Falk, Ralph, II  
 Falls, Dr. A. G.  
 Farley, Preston  
 Farnham, Mrs. Harry J.  
 Farrell, Mrs. B. J.  
 Farrell, Mrs. Ernest H.  
 Farwell, Albert D.  
 Farwell, John V., III  
 Faurot, Henry, Jr.  
 Faust, Harry C.  
 Fay, Eugene C.  
 Febhardt, Mrs. Ernest A.  
 Feinstein, Edward  
     Howard  
 Feiwell, Morris E.  
 Fell, Dr. Egbert H.  
 Fellows, William K.  
 Felsenthal, Edward  
     George  
 Fennekohl, Mrs.  
     Arthur C.  
 Ferguson, R. W.  
 Fernald, Robert W.  
 Ferry, Mrs. James H., Jr.  
 Fetzer, Wade, Jr.  
 Feuchtwanger, Sidney  
 Fuciducia, Charles B.  
 Field, John S.  
 Field, Meyer  
 Field, Mrs. William A.  
 Fiffer, Robert S.  
 Filerman, Arthur  
 Filkins, A. J.  
 Filter, Patrick S.  
 Fineman, Oscar  
 Fink, Mrs. Frank  
 Fink, Joseph H.  
 Finley, Max H.  
 Finnerud, Dr. Clark W.  
 Firscl, Maurice S.  
 Firth, M. S.  
 Fish, Mrs. Helen S.  
 Fishbein, Dr. Morris  
 Fisher, Mrs. Raymond  
 Fishman, Samuel  
 Fisk, Albert  
 Fisk, Mrs. Burnham M.  
 Fiske, Kenneth M.  
 Fitzmorris,  
     Mrs. Charles C., Sr.  
 Fitzmorris, James  
 Fitz Simmons, Dr. J. A.  
 Flacks, Reuben S.  
 Flagg, Miss Grace S.  
 Flanagan, James F.  
 Fleischman, Miss Anne  
 Fleming, E. I.  
 Fleming, Mrs. Joseph B.  
 Fletcher, Joseph  
 Fletcher, Mrs. Mildred C.  
 Flinn, Walter H., Jr.  
 Flint, George M.  
 Florian, Anton G.  
 Florsheim, Harold M.  
 Florsheim, Irving S.  
 Flowers, Dr. Vladimir C.  
 Foell, W. J.  
 Folds, Charles W.  
 Follansbee, Rogers  
 Follett, Dwight  
 Folonie, Mrs. Robert J.  
 Foote, Mrs. Harley T.  
 Forch, Mrs. John L., Jr.  
 Ford, Miss Thelma  
 Ford, Mrs. Willis Roland  
 Foreman, Alfred K., Jr.  
 Foreman, Edwin G., Jr.  
 Foreman, Harold E.  
 Forgan, Mrs. J. Russell  
 Forgan, Robert D.  
 Forman, Charles  
 Forster, J. George  
 Fort, George A.  
 Fortune, Miss Joanna  
 Foster, Mrs. Charles K.  
 Foster, Robert S.  
 Fowle, Frank F.  
 Fowler, Mrs. Earle B.  
 Fox, Clarence E.  
 Fox, Jacob Logan  
 Fox, Myron H.  
 Fox, Dr. Paul C.  
 Franche, Mrs. D. C., III

ASSOCIATE MEMBERS (CONTINUED)

- Franke, Allyn J.  
 Frankel, Jones B.  
 Frankel, Louis  
 Frankenstein, Lester E.  
 Frankenstein, William B.  
 Franklin, G. K.  
 Franz, Herbert G.  
 Fraser, Edward S.  
 Frasier, Richard C.  
 Frazer, Mrs. George E.  
 Freda, Dr. Vincent C.  
 Frederick, Mrs.  
     Clarence L.  
 Freehling, Stanley M.  
 Freeman, Ernest E.  
 Freeman, Gaylord A.  
 Freeto, Clarence E.  
 Freiler, Abraham J.  
 Frenier, A. B.  
 Freudenthal, G. S.  
 Freund, Mrs. I. H.  
 Freund, Mrs. J. Dennis  
 Frey, Charles Daniel  
 Freyn, Henry J.  
 Fridstein, Meyer  
 Friedberg, Dr. Stanton A.  
 Friedlander, William  
 Friedlich, John  
 Friedman, Mrs.  
     Norman B.  
 Friedman, Raphael N.  
 Fritsch, Miss Josephine  
 Frye, W. P.  
 Frystak, A. J.  
 Fucik, E. Montford  
 Fucik, Frank M.  
 Fuller, Mrs. Gretta  
     Patterson  
 Fuller, J. E.  
 Fuller, Judson M.  
 Fuller, Perry L.  
 Fullerton, Thomas  
 Fulton, Paul C.  
 Fyanes, F. D.  
  
 Gabriel, Adam  
 Gainer, Walter D.  
 Gale, Willis  
 Galgano, John H.  
 Gall, Frank  
 Gall, Harold J. F.  
 Gall, Harry T.  
 Gallup, Rockwell L.  
 Galt, Mrs. Anne  
     Rickcords  
 Galt, Mrs. A. T.  
 Gamble, D. E.  
 Gamble, E. Ross  
 Gamm, Dr. Stanford R.  
 Garcia, José  
 Gardner, Addison L., Jr.  
  
 Gardner, F. Sewall  
 Gardner, Frederick D.  
 Gardner, Henry A.  
 Gardner, Henry K.  
 Gardner, Robert A., Jr.  
 Garen, Joseph F.  
 Garrison, Dr. Lester E.  
 Garvey, W. H., Jr.  
 Gary, Theodore S.  
 Gates, Mrs. L. F.  
 Gaul, Michael F.  
 Gawthrop, H. H.  
 Gay, Rev. A. Royall  
 Gaylord, Mrs. Ruth K.  
 Gebhardt, Alfred E.  
 Gebhardt, Mrs. Ernest A.  
 Gee, James W.  
 Gehl, Dr. W. H.  
 Geiling, Dr. E. M. K.  
 Geist, Herbert  
 Geittmann, Dr. W. F.  
 Geldmeier, Dr. Erwin F.  
 Gellert, Donald N.  
 Gensburg, Samuel H.  
 Gentry, Veit  
 Gerden, Paul  
 Gerding, R. W.  
 Gerk, G. F.  
 German, Fred W.  
 Gerngross, Mrs. Leo  
 Gerrard, J. M.  
 Gettelman, Mrs.  
     Sidney H.  
 Gettleman, Arthur  
 Gettleman, Frank E.  
 Getz, James R.  
 Getz, Mrs. James R.  
 Getzoff, Byron M.  
 Giacobbe, Mrs. Anthony J.  
 Gibbs, A. E.  
 Gibbs, Richard F.  
 Gibson, Paul  
 Gibson, Truman K., Jr.  
 Gidwitz, Alan K.  
 Gidwitz, Victor E.  
 Gidwitz, Willard  
 Giffey, Miss Hertha  
 Gifford, Frederic Z.  
 Gifford, Mrs.  
     Frederick C.  
 Gilchrist, Mrs. John F.  
 Gilchrist, Mrs. William  
     Albert  
 Giles, Dr. Chauncey D.  
 Giles, Mrs. Guy H.  
 Giles, John O.  
 Gill, Joseph L.  
 Gillett, Frank G.  
 Gillett, W. N.  
 Gilmore, Dr. John H.  
 Gimbel, J. W., Jr.  
  
 Giryotas, Dr. Emelia J.  
 Gits, Mrs. Remi J., Sr.  
 Glade, David Bruce  
 Glaescher, Mrs. G. W.  
 Glaman, Miss Johanna C.  
 Glasner, Rudolph W.  
 Glass, Mr. Marvin  
 Glasser, Joshua B.  
 Glassner, James J.  
 Glenn, Miss Terry  
 Glick, Louis G.  
 Glore, Robert Hixon  
 Glos, Mrs. Albert H.  
 Gluck, Gerson, I.  
 Gober, Miss Martha P.  
 Godley, Mrs. John M.  
 Godwin, Dr. Melvin C.  
 Goes, Mrs. Arthur A.  
 Goessele, John H.  
 Golber, David  
 Gold, Norman  
 Goldberg, Charles K.  
 Goldblatt, Joel  
 Golding, Robert N.  
 Goldsby, Fred L.  
 Goldstein, Dr. Abraham  
 Goldstein, Dr. Helen L.  
     Button  
 Goldstein, Nathan S.  
 Godly, Walter I.  
 Goltra, Mrs. William B.  
 Gomburg, Dr. Harry  
 Goodfriend, S. L.  
 Goodman, Benedict K.  
 Goodman, Howard  
 Goodman, Mrs. Milton F.  
 Goodman, Mrs. William  
 Goodman, William E.  
 Goodson, Orr  
 Goodwin, George S.  
 Gopp, Leonard W.  
 Gordon, Colin S.  
 Gordon, Edward  
 Gordon, Harold J.  
 Gordon, Leslie S.  
 Gordon, Dr. Richard J.  
 Gordon, Mrs. Robert D.  
 Gorrell, Mrs. Warren  
 Gootlieb, Frederick M.  
 Gould, Jay  
 Gould, Mrs. June K.  
 Grade, Joseph Y.  
 Graham, Andrew C.  
 Graham, Mrs. Arthur R.  
 Graham, David  
 Graham, Douglas  
 Graham, E. V.  
 Graham, Miss  
     Margaret H.  
 Granger, Mrs. Lillian M.  
 Grant, Gordon B.

ASSOCIATE MEMBERS (CONTINUED)

- Grant, James D.  
 Grant, John G.  
 Grant, Robert M.  
 Graves, Austin T.  
 Graves, Howard B.  
 Grawoig, Allen  
 Grawols, G. L.  
 Gray, A. S.  
 Gray, Dr. Earle  
 Gray, Edward  
 Gray, Philip S.  
 Greeley, Joseph M.  
 Green, Howard E.  
 Green, Michael  
 Greenburg, Dr. Ira E.  
 Greene, Henry E.  
 Greene, Howard T.  
 Greene, Wesley H.  
 Greenebaum, Robert J.  
 Greenlee, Mrs. William  
     Brooks  
 Greenman, Mrs. Earl C.  
 Greenwald, Herbert S.  
 Gregg, Clarence T.  
 Gregg, Lewis D.  
 Gregory, James J.  
 Gregory, Stephen S., Jr.  
 Grentzner, C. A.  
 Gressens, Otto  
 Grey, Dr. Dorothy  
 Griffenhagen, Mrs.  
     Edwin O.  
 Griffith, Mrs. Carroll L.  
 Griffith, Dean L.  
 Griffith, Mrs. William C.  
 Grimes, Don R.  
 Griswold, Barret B.  
 Griswold, Harold T.  
 Griswold, J. Edwin  
 Grizzard, James A.  
 Groak, Irwin D.  
 Grohe, Robert F.  
 Gronkowski, Rev. C. I.  
 Grosberg, Charles  
 Groseth, Mrs. Haakon B.  
 Grossman, Frank I.  
 Grote, Russell H.  
 Grotowski, Mrs. Leon  
 Grunow, Mrs. William C.  
 Guenzel, Paul W.  
 Guernsey, Mrs. Nellie T.  
 Guest, Ward E.  
 Guetzkow, Harold S.  
 Guldager, Carl D.  
 Gunlock, V. E.  
 Gurley, Miss Helen K.  
 Gustafson, Carl  
 Gustafson, Carl I.  
 Gustafson, Gilbert E.  
 Gustafson, Mrs.  
     Winfield A.
- Gutgsell, Mrs. Emil J.  
 Guthrie, Mrs. Eleanor Y.  
 Guthrie, S. Ashley  
 Gwinn, R. P.  
 Gwyer, Dr. F. V.
- Haas, Albert F.  
 Hachmeister, A. W.  
 Hadley, Mrs. Edwin M.  
 Haedike, Edward J.  
 Hagen, Mrs. Daise  
 Hagues, Mrs. David N.  
 Hahn, Arthur  
 Hailand, Arthur G.  
 Haines, Mrs. James J.  
 Hair, T. R.  
 Hajcek, Rudolph F.  
 Hale, Mrs. Samuel  
 Hales, Mrs. Burton W.  
 Hales, Burton W., Jr.  
 Hall, Edward B.  
 Hall, Miss Eliza P.  
 Hall, Mrs. J. B.  
 Hallauer, Edward W.  
 Halligan, W. J.  
 Halperin, Aaron  
 Halverstadt, Romaine M.  
 Hamilton, Miss Eva Alice  
 Hamilton, Samuel  
 Hamling, Ben M.  
 Hammaker, Paul M.  
 Hammerschmidt, Mrs.  
     George F.  
 Hand, George W.  
 Hands, H. William  
 Handy, Ellsworth A.  
 Hanelin, Dr. Henry A.  
 Hansen,  
     Mrs. Bertha Cooley  
 Hansen, Mrs. Fred A.  
 Hansen, Jacob W.  
 Hanson, Mrs. Norman R.  
 Harder, John H.  
 Harders, Mrs. Flora  
     Rassweiler  
 Hardin, David K.  
 Hardin, George D.  
 Harding, Miss  
     Addie Clark  
 Harding, John P., II  
 Hardy, Mrs. L. Martin  
 Harig, Herbert  
 Harkrider, Raymond  
 Harmon, Foster W.  
 Harms, Van Deursen  
 Harper, Alfred C.  
 Harris, David J.  
 Harris, Gerald H.  
 Harris, Gordon L.  
 Harris, Herman
- Harris,  
     Mrs. Mortimer B.  
 Harris, Robert Bruce  
 Harris, Stanley G.  
 Harrison, Carter H., Jr.  
 Harsha, E. Houston  
 Hart, Henry N.  
 Hart, Max A.  
 Hartman, Dr. Robert R.  
 Hartmann, A. O.  
 Hartung, George, Jr.  
 Hartz, W. Homer  
 Harvey, Byron  
 Harvey, Byron, III  
 Harvey, Daggett  
 Harwood, Thomas A.  
 Harwood, Thomas W.  
 Hass, G. C.  
 Hass, Miss Harriet E.  
 Hassmer, Joseph L.  
 Haug, Dr. Elsie L.  
 Haugen, Bernhart  
 Havelaar, W. C.  
 Hawkes, Albert K.  
 Hawkes, Joseph B.  
 Hawkinson, Marshall J.  
 Hay, Mrs. William  
     Sherman  
 Hayakawa, Dr. S. I.  
 Hayes, Harold C.  
 Hayes, Miss Hatti  
 Hayes, Dr. Thomas H.  
 Hayes, Mrs. William F.  
 Hayward, Thomas Z.  
 Haywood, Mrs.  
     Marshall L., Jr.  
 Hazlett, Dr. William H.  
 Hazlett, Mrs. William H.  
 Head, James D.  
 Healy, Thomas H.  
 Healy, Vincent Jerrems  
 Hearst, Mrs. Jack W.  
 Heaton, Harry E.  
 Heaton, Herman C.  
 Hecht, Fred C.  
 Hecht, Kenneth G.  
 Hecht, Myron A.  
 Hedin, Walter L.  
 Heffernan, Miss Lili  
 Heffron, Kenneth C.  
 Hefner, Adam  
 Heggie, Miss Helen  
 Heide, Mrs. Bernard H.  
 Heinzelman, Karl  
 Heinzen, Mrs. Carl  
 Heisler, Francis  
 Heldmaier, Miss Marie  
 Helfrich, J. Howard  
 Heller, Mrs. Florence G.  
 Heller, John A.  
 Hellman, George A.



ASSOCIATE MEMBERS (CONTINUED)

- Hellyer, Walter  
 Helmich, Miss Lenore  
 Hemenway, Henry H.  
 Hemphill, James C.  
 Henderson, Kenneth M.  
 Henebry, John P.  
 Henke, Frank X., Jr.  
 Henkel, Frederick W.  
 Henley, Dr. Eugene H.  
 Hennessy, John H.  
 Henschel, Edmund C.  
 Hensel, Paul G., Jr.  
 Herbst, LeRoy B.  
 Herdina, Jerry  
 Herman, Richard P.  
 Hermann, Grover M.  
 Herron, James C.  
 Herron, Mrs. Oliver L.  
 Hertzberg, Lawrence  
 Herz, Mrs. Alfred  
 Herz, J. H.  
 Hesse, E. E.  
 Heuser, Arthur W.  
 Heverly, Earl L.  
 Hewitt, Edwin Shields  
 Heymann, Robert L.  
 Hibben, Joseph W.  
 Hieber, J. Patrick  
 Higgins, Miss Margaret  
 Hildebrand, Dr.  
     Eugene, Jr.  
 Hildebrand, Grant M.  
 Hilgendorf, George M.  
 Hilker, Mrs. Marion  
 Hilkevitch, Dr. A. A.  
 Hill, Carlton  
 Hill, Dormand S.  
 Hill, Rolwood R.  
 Hill, Mrs. Russell D.  
 Hill, Stacy H.  
 Hille, Dr. Hermann  
 Hillier, William H.  
 Hind, Mrs. John Dwight  
 Hines, Charles M.  
 Hinkson, Dr. G. Duncan  
 Hinman, Mrs. Estelle S.  
 Hinrichs, Henry, Jr.  
 Hirsch, Albert  
 Hirsch, Edwin W.  
 Hirsch, LeRoy E.  
 Hirsch, Milton W.  
 Hirschberg, Samuel J.  
 Hirtenstein, Robert E.  
 Histed, J. Roland  
 Hixon, Mrs. Robert  
 Hobbs, Russell D.  
 Hodges, F. Robert  
 Hodgman, Mrs.  
     Charles R., Jr.  
 Hodgkinson, Mrs. W. R.  
 Hodous, Michael F.  
 Hoefman, Harold L.  
 Hoffman, Miss  
     Elizabeth  
 Hoffman, Edward  
     Hempstead  
 Hoffmann, Dr. Eugene  
 Hoffman, Raymond A.  
 Hogan, Robert E.  
 Hokenson, Howard G.  
 Hokin, Edwin E.  
 Holabird, W. S., Jr.  
 Holden, Edward A.  
 Holderby, Glen W.  
 Holinger, Dr. Paul H.  
 Holland, M. J.  
 Hollander, Mrs. Samuel  
 Holleb, A. Paul  
 Holleb, Marshall M.  
 Hollenbach, Louis  
 Holliday, W. J.  
 Hollins, Gerald  
 Holloway, Allen D.  
 Holloway, Charles C.  
 Holloway, J. L.  
 Holmberg, Mrs.  
     Adrian O.  
 Holmblad, Dr.  
     Edward C.  
 Holmburger, Max  
 Holmes, J. A.  
 Holmes, William  
 Holmes, William N.  
 Holt, McPherson  
 Holub, Anthony S.  
 Holzheimer, Carl  
 Hooper, Miss Frances  
 Hoover, Mrs. Fred W.  
 Hope, Alfred S.  
 Hopkins, Albert L.  
 Hopkins, Mrs. James M.  
 Hopkins, Mrs.  
     James M., Jr.  
 Hopkins, Dr. M. B.  
 Horcher, William W.  
 Hornburg, Arthur C.  
 Horne, Mrs. William  
     Dodge, Jr.  
 Horner, Mrs.  
     Maurice L., Jr.  
 Horton, Mrs. Helen  
 Horween, Arnold  
 Horween, Isidore  
 Horwich, Leonard J.  
 Hosbein, Louis H.  
 Hoshell, Robert J.  
 Hoslett, Dr. Schuyler  
     Dean  
 Houck, Irvin E.  
 Houck, L. E.  
 Hough, Charles F.  
 Hough, Frank G.  
 Hovland, Mrs. John P.  
 Howard, Bailey K.  
 Howard, Mrs. Harvey H.  
 Howard, Howell H.  
 Howe, Miss Alice  
 Howe, Miss Amy L.  
 Howe, Charles Albee  
 Howe, Col. Ralph B.  
 Howe, Roger F.  
 Howell, Miss Laura O.  
 Howie, Mrs. James E.  
 Howse, Richard G.  
 Howson, Louis R.  
 Hoy, Pat  
 Hoyne, Miss Susan D.  
 Hraback, L. W.  
 Hrdlicka, Mrs. John D.  
 Hubachek, Frank  
     Brookes  
 Huber, Dr. Harry Lee  
 Huck, Ralph F.  
 Hudson, Miss  
     Katherine J.  
 Hudson, William J.  
 Huey, Mrs. A. S.  
 Hufty, Mrs. F. P.  
 Huggins, G. A.  
 Hughes, Dr. Charles E.  
 Hughes, John E.  
 Hughes, John W.  
 Hume, James P.  
 Hume, Patrick H.  
 Humphrey, H. K.  
 Huncke, Oswald W.  
 Hunding, B. N.  
 Hunker, Robert W.  
 Hunt, George L.  
 Hunt, Jarvis  
 Hunt, Miss Ruth  
 Hunt, Theodore W.  
 Hunt, Mrs. William O.  
 Hunter, Mrs. C. K.  
 Hunter, Lemuel B.  
 Huska, Mrs. Joseph  
 Hust, George  
 Huszagh, Ralph D.  
 Hutchens, Edward J.  
 Hutchins, John S.  
 Hutchinson, Foye P.  
 Hutchinson, Samuel S.  
 Huth, Frank D.  
 Hvale, Mrs. James L.  
 Hynes, D. P.  
 Hypes, William P.  
 Ickes, Raymond W.  
 Ickes, Mrs. Wilmarth  
 Idelman, Bernard  
 Igoe, Michael L.  
 Igoe, Michael L., Jr.  
 Ignowski, Vincent P.

ASSOCIATE MEMBERS (CONTINUED)

- Iker, Charles  
 Ilg, Paul F.  
 Ilg, Robert A.  
 Illich, George M., Jr.  
 Ingalls, Allin K.  
 Ingersoll, Robert S.  
 Ingersoll, Roy C.  
 Ingersoll, Mrs. S. L.  
 Ingram, Frank H.  
 Inlander, N. Newton  
 Inlander, Samuel  
 Irons, Dr. Ernest E.  
 Irons, Mrs. Spencer E.  
 Irvine, George L.  
 Isaacs, Roger D.  
 Isham, George S.  
 Isham, Henry P.  
 Isham, Henry P., Jr.  
 Isom, W. R.  
 Ives, Clifford E.  
 Ives, George R.
- Jackson, Allan  
 Jackson, Archer L.  
 Jackson, Byrne A.  
 Jackson, Carl W.  
 Jackson, Charles Selwyn  
 Jackson, G. McStay  
 Jacobi, Miss Emily C.  
 Jacobs, Aaron M.  
 Jacobs, Julius  
 Jacobs, Nathan E.  
 Jacobs, Mrs. Walter H.  
 Jacobs, Walter L.  
 Jacobs, Wyatt  
 Jacobson, A. J.  
 Jacobson, Arent J.  
 Jacobson, Jacob  
 Jacobson, Raphael  
 Jahn, Reinhardt H.  
 James, Ralph C.  
 James, Thomas M.  
 James, Walter C.  
 Jameson, Clarence W.  
 Jancosek, Thomas A.  
 Jansey, Dr. Felix  
 Janson, Dr. C. Helge M.  
 Janusch, Fred W.  
 Jarchow, Mrs. C. E.  
 Jarchow, Charles C.  
 Jarchow, Robert B.  
 Jastromb, Samuel  
 Jeffers, Howard F.  
 Jeffries, Dr. Daniel W.  
 Jens, Arthur M., Jr.  
 Jensen, W. J.  
 Jerger, Wilbur Joseph  
 Jessen, Floyd E.  
 Jessen, Dr. George N.  
 Jirgal, John  
 Jirka, Dr. Frank J.
- Job, Dr. Thesle T.  
 Johnson, Alvin O.  
 Johnson, Calmer L.  
 Johnson, Herbert M.  
 Johnson, Hjalmar W.  
 Johnson, John H.  
 Johnson, Mrs. Norma O.  
 Johnson, Norman E.  
 Johnson, Mrs. O. W.  
 Johnson, Paul C.  
 Johnson, P. Sveinbjorn  
 Johnson, Philip C.  
 Johnson, R. Ellis  
 Johnson, Ray T., Jr.  
 Johnson, Wallace D.  
 Johnston, Edward R.  
 Johnston, Mrs. Hubert  
 McBean  
 Johnston, Hulburd  
 Johnston, Mrs. M. L.  
 Jolly, Miss Eva Josephine  
 Jonak, Frank J.  
 Jones, Gordon M.  
 Jones, James B.  
 Jones, John E.  
 Jones, Dr. Margaret M.  
 Jones, Miss Susan E.  
 Jonswold, C. R.  
 Jordan, Horace W.  
 Jordan, Robert J.  
 Jorgensen, Paul  
 Joseph, Mrs. Jacob G.  
 Joseph, Louis L.  
 Joy, Guy A.  
 Juergens, H. Paul  
 Julian, Dr. Ormand C.  
 Julien, Victor R.  
 Jurco, Stephen
- Kahn, Mrs. Arthur S.  
 Kahn, J. Kesner  
 Kahn, Jerome J.  
 Kaine, James B.  
 Kaiser, Dr. George D.  
 Kalnitz, Arnold B.  
 Kamenjarin,  
 Mrs. Anthony  
 Kamin, William C.  
 Kamins, Dr. Maclyn M.  
 Kamm, Dr. Bernard A.  
 Kane, Jerome M.  
 Kanehl, James R.  
 Kanelos, George A.  
 Kanter, Jerome J.  
 Kaplan, Morris I.  
 Kaplan, Nathan J.  
 Kaplan, Stanley A.  
 Kargman, Wallace I.  
 Karlos, Anthony C.  
 Karst, Lambert P.  
 Kasakoff, Lawrence
- Kasch, Frederick M.  
 Kash, Bernard B.  
 Kass, Joseph J.  
 Katz, Mrs. Sidney L.  
 Katz, Solomon  
 Katz, William  
 Katzenstein, Mrs.  
 George P.  
 Katzin, Frank  
 Kaufman, Justin  
 Kaufman, M. G.  
 Kaufmann, Dr.  
 Gustav L.  
 Kay, Joseph C.  
 Kay, Mrs. Marie E.  
 Keach, Benjamin  
 Keare, Mrs. Spencer R.  
 Kearns, Mrs. Jerry J.  
 Keeley, Robert E.  
 Keene, William J.  
 Keeshin, J. L.  
 Kehoe, Mrs. High Boles  
 Keith, Stanley  
 Kelemen, Rudolph  
 Kelley, John F.  
 Kelly, Mrs. M. Cotton  
 Kellogg, Mrs. Helen L.  
 Kelly, Arthur Lloyd  
 Kelly, Barbara Wetten  
 Kelly, Charles Scott  
 Kelly, Mrs. Haven Core  
 Kelly, T. Lloyd  
 Kelsey J. D.  
 Kemp, Russell M.  
 Kemper, Hathaway G.  
 Kemper, Miss Hilda M.  
 Kemper, James S.  
 Kempner, Stan  
 Kendrick, John F.  
 Kennedy, Mrs. E. J.  
 Kennedy, Henry Warner  
 Kennedy, James G.  
 Kennedy, Lesley  
 Kennedy, R. J.  
 Kennedy, Ralph L.  
 Kennedy, Taylor L.  
 Kenny, Henry  
 Kenoe, Henry W.  
 Kent, Robert H.  
 Kentor, William E.  
 Kern, Mrs. August  
 Kern, H. A.  
 Kern, Dr. Nicholas H.  
 Kern, Trude  
 Kerwin, Edward M.  
 Ketteman, Dr. Charles H.  
 Kettering, Mrs.  
 Eugene W.  
 Ketzler, A. C.  
 Kew, Mrs. Stephen M.  
 Kidston, Alan R.

ASSOCIATE MEMBERS (CONTINUED)

Kidwell, L. B.  
 Kiefer, Dr. Joseph H.  
 Kiessling, Mrs. Charles S.  
 Kile, Miss Jessie J.  
 Kimball, Paul C.  
 Kimball, William W.  
 Kimbark, John R.  
 King, Mrs. Charles G.  
 King, Clinton B.  
 King, George F.  
 King, Harold R.  
 King, Mrs. John  
     Andrews  
 Kingman, Mrs. Arthur G.  
 Kinkead, W. S.  
 Kinsey, Robert S.  
 Kirkland, Mrs.  
     Weymouth  
 Kirst, Lyman R.  
 Kitchell, Howell W.  
 Kittle, Mrs. C. M.  
 Kitzelman, Otto  
 Klapman, Philip A.  
 Klatt, Albert Arthur  
 Kledzinski, Miss Loretta  
 Klee, Steven Michael  
 Klefstad, Sivert  
 Klein, Robert L.  
 Klein, William P.  
 Kleinpell, Dr. Henry H.  
 Kleist, Mrs. Harry  
 Kleppinger, William H.  
 Kleutgen, Dr. Arthur C.  
 Klineop, Mrs. Charles W.  
 Knapp, William G.  
 Knickerbocker, Miss  
     Paula  
 Knight, Howard  
 Knight, John S.  
 Knowlton, John M.  
 Knutson, A. C.  
 Knutson, George H.  
 Koch, Mrs. Fred J.  
 Koch, Raymond J.  
 Koch, Robert J.  
 Koczur, Dr. Joseph L.  
 Koehnlein, Wilson O.  
 Koenig, Oswald N.  
 Koenig, Philip F.  
 Koerber, Lorenz F., Jr.  
 Kohn, Edward  
 Kohn, Henry L.  
 Kolar, George G.  
 Kolbe, Frank F.  
 Kolehmainen, Waino M.  
 Kolesiak, Walter R.  
 Kollar, Dr.  
     John Anton, Jr.  
 Kopf, Miss Isabel  
 Kopinski, Louis  
 Koppenaar, Dr.  
     Elizabeth Thompson  
 Korf, Dr. Stanley R.  
 Kornblith, Mrs.  
     Howard G.  
 Kosmach, Frank P.  
 Kosobud, William F.  
 Kostrzewski, Dr. M. J.  
 Kotal, John A.  
 Kotin, George N.  
 Koucky, Dr. J. D.  
 Kowalski, Dr. Leonard F.  
 Kozlik, Frank B.  
 Kraft, Mrs. David H.  
 Kraft, John H.  
 Kraft, Norman  
 Kralovec, Emil G.  
 Kralovec, Mrs. Otto J.  
 Kramer, Dr. George M.  
 Kramer, Leroy, Jr.  
 Kraus, Samuel B.  
 Kraus, William C.  
 Krautter, L. Martin  
 Krebs, Walter O.  
 Kresl, Carl  
 Kresnoff, Dr. Charles S.  
 Kretschmer,  
     Herman L., Jr.  
 Krez, Leonard O.  
 Kribben, Arthur K.  
 Kribben, Delafield  
 Krider, E. A.  
 Kriser, Mrs. Leonard S.  
 Kritzer,  
     Richard W., Sr.  
 Krivanek, Dr. Joseph H.  
 Kroch, Carl A.  
 Kroehler, Kenneth  
 Kroeschell, Robert A.  
 Kropff, C. G.  
 Krost, Dr. Gerard N.  
 Krupnick, Samson  
 Kruty, Samuel  
 Kuehn, A. L.  
 Kuehn, Miss Katherine A.  
 Kuh, Mrs. Edwin J., Jr.,  
 Kuhn, Frederick T.  
 Kuhn, Dr. Hedwig S.  
 Kuhn, Overton F.  
 Kulikowski, Leon T.  
 Kunka, Bernard J.  
 Kunstadter, Albert  
 Kunstadter, Sigmund W.  
 Kurfess, John Fredric  
 Kurpieski, Mrs. Eleanor  
 Kurtz, William O., Jr.  
 Kurtzon, Morris  
 Kurtzdorfer, E. T.  
 Kutak, Jerome F.  
 Kutchins, Edmund  
 Kutza, Dr. Michael J.  
 Kyritsis, Mathon  
 Laadt, George A.  
 Laadt, Dr. John R.  
 Lacey, Miss Clara R.  
 Laffin, Miss June  
     Atchison  
 Laffin, Louis E., Jr.  
 Laffin, Mrs. Louis E., Jr.  
 Laffin, Louis E., III  
 Laidley, Roy R.  
 Laing, Mrs. Milton L.  
 Laing, William  
 Lake, Charles W., Jr.  
 Lambert, C. A.  
 Lambertson, R. H.  
 Lambertsen, John G.  
 Lambrecht, Carl R., Jr.  
 Lampert, Wilson W.  
 Lanahan, Mrs. M. J.  
 Lane, F. Howard  
 Lang, Edward J.  
 Lang, Eugene C.  
 Lang, Gordon  
 Langdon, Lawrence E.  
 Langeluttig,  
     Col. Albert  
 Langenbach, Mrs.  
     Alice R.  
 Langford, Mrs. Robert E.  
 Langhorne,  
     Mrs. George Tayloe  
 Lanman, David T.  
 Lanman, Mrs.  
     Edward Boylston  
 Lansinger, Mrs. John M.  
 Lapham, Fenton D.  
 Large, Judson  
 Larimer, Howard S.  
 Larkin, Mrs. Walter D.  
 Larrance, Ken  
 Larsen, Samuel A.  
 Larson, Leslie S.  
 Larson, L. S.  
 Larson, Mrs. Sarah G.  
 La Salle, Miss Janet A.  
 Lasch, Harry  
 Lassers, Sanford B.  
 Laterza, Michael F.  
 Lathrop, Dr. Clarence A.  
 Latshaw, Dr. Blair S.  
 Laud, Mrs. Sam  
 Lautmann, Herbert M.  
 Lavers, A. W.  
 Lavidge, Arthur W.  
 Law, Mrs. Robert O.  
 Lawless, Dr. Theodore K.  
 Lawton, Robert M.  
 Lax, John Franklin  
 Layden, Michael J.  
 Layfer, Seymour J.

ASSOCIATE MEMBERS (CONTINUED)

- Lazar, Maurice  
Leadbetter, Gordon  
Leahy, George J.  
Leahy, James F.  
Leavell, James R.  
Leavitt, Mrs. Nathan  
Le Baron, Miss Edna  
Lebold, Samuel N.  
Lebolt, John Michael  
Lederer, Dr. Francis L.  
Lee, Bernard F.  
Lee, David Arthur  
Leekley, Philip A.  
Lefens, Miss Katherine J.  
Lefens, Walter C.  
Lehmann, Robert O.  
Leichenko, Peter M.  
Leight, Mrs. Albert E.  
Leighton, George N.  
Leith, John A.  
Leland, Miss Alice J.  
Leland, Mrs. Rosco G.  
Lello, Herbert F.  
Lennon, George W.  
Leonard, Arthur T.  
Lerch, William H.  
Leslie, John H.  
Lessman, Gerhard  
LeTourneau, Mrs.  
    Robert  
Levering, J. E.  
Levi, Julian H.  
Levi, Stanley B.  
Levin, Mrs. Edward M.,  
    Jr.  
Levin, Robert E.  
Levin, Sidney D.  
Levinson, Mrs. Salmon O.  
Levitan, Benjamin  
Levitan, Mrs. Dorothy R.  
Levitt, Dr. Le Roy P.  
Levy, Alexander M.  
Levy, Arthur G.  
Lewis, Mrs. J. J.  
Ley, Robert J.  
Liebenow, J. Gus  
Liebenow, Robert C.  
Liebenson, Harold A.  
Liesendahl,  
    Mrs. Richard W.  
Lietz, J. T.  
Liffshin, Reuben J.  
Liguori, Sister Mary  
Lilien, Mrs. K. K.  
Lill, George, II  
Lillyblade, Clarence O.  
Lindar, Albert J.  
Lindberg, Le Roy A.  
Lindell, Arthur G.  
Linden, John A.  
Lindgren, Erik A.  
Lindsay, Mrs. Martin  
Lingle, Harrison C.  
Linn, Howard  
Linn, Mrs. W. Scott  
Lipinski, M. G.  
Lippman, Mrs. William  
Litten, Chapin  
Littig, Howard L.  
Little, Mrs. E. H.  
Littler, Harry E., Jr.  
Livingston, Mrs.  
    Milton L.  
Lizzardo, Joseph F.  
Llewellyn, Mrs. Ross  
Lloyd, William Cross, Jr.  
Lodge, Robert H.  
Loeb, Mrs. Ernest G.  
Loeb, Hamilton M.  
Loebl, Jerrod  
Loewenberg, Israel S.  
Loewenberg, M. L.  
Loewenherz, Emanuel  
Loewenherz, Walter B.  
Loewenstein, Richard M.  
Loewenthal,  
    Mrs. Richard J.  
Loewy, Dr. Arthur  
Logan, Seymour N.  
Long, R. E.  
Long, William E.  
Loomis, D. P.  
Loomis, Reamer G.  
Lorance,  
    Mrs. Luther M.  
Lorber, Herbert J.  
Lord, Arthur R.  
Lord, John S.  
Lord, Mrs. Russell  
Lorentz, Arthur G.  
Lotz, Philip W.  
Loucks, Charles O.  
Louer, Albert E. M.  
Louis, Mrs. John J.  
Loundy, Mrs. Mason A.  
Lourie, Donald B.  
Lovgren, Carl  
Lowe, William H.  
Lowell, Arthur J.  
Lowrie, Mrs. John M.  
Lowrie, Raymond P.  
Lucey, Patrick J.  
Ludgin, Earle  
Ludolph, Wilbur M.  
Lundberg, Robert  
Lundy, Dr. Clayton J.  
Luria, Herbert A.  
Lurie, George S.  
Lusk, R. R.  
Lustgarten, Samuel  
Lydon, Robert R.  
Lyford, Harry B.  
Lynch, J. W.  
Lynch, William J., Jr.  
Lyon, Charles H.  
Mabee, Mrs. Melbourne  
MacArthur, Donald  
MacCarthy, Richard B.  
MacCowan, Hervey L.  
MacDonald, E. K.  
MacFarland, Lanning  
MacGregor, Donald  
Macias, William George  
MacIntyre, Mrs. M. K.  
MacKay, Dr. Roland P.  
MacKenzie, William J.  
Mackey, Frank J.  
Macki, Carl Gunnar  
Mackiewicz, Justin  
Mackinson, Dr. John C.  
Mackoff, Mrs. Saul  
MacLean, Mrs.  
    John A., Jr.  
MacLellan, K. F.  
MacLellan,  
    Kenneth F., Jr.  
MacMurray, Mrs.  
    Donald  
Macomb,  
    J. deNavarre, Jr.  
Madden, John  
Madlener, Mrs.  
    Albert F., Jr.  
Madlener, Otto  
Madrin, Mrs. Charles  
Maehler, Edgar E.  
Magerstadt, Madeline  
Magid, Cecil E.  
Magnus, Albert, Jr.  
Magnuson, Mrs. Paul  
Mah, George G.  
Maher, Dr.  
    David Bremner  
Maher, Mrs. D. W.  
Maher, James P.  
Main, Walter D.  
Maison, Mrs. L. G.  
Majka, F. L.  
Major, Ross O.  
Majors, Mrs. B. S.  
Makler, Joseph H.  
Maley, Alexander B.  
Maling, Albert  
Maller, Dr. Adolph M.  
Malmsten, Clarence C.  
Malugin, Jack C.  
Manasse, De Witt J.  
Mandel, Mrs. Aaron W.  
Mandel, Edwin F.  
Mandel, Miss Florence  
Mandel, Mrs. Robert

ASSOCIATE MEMBERS (CONTINUED)

- Manegold, Mrs.  
Frank W.  
Manierre, Louis  
Mann, John M.  
Mannette,  
Mrs. Russell L.  
Manz, Mrs. Carolyn D.  
Maragos, Samuel C.  
Marchant, Miss Lilian  
Maremont, Arnold H.  
Mark, E. E.  
Mark, Griffith  
Marker, Van E.  
Markham, Mrs.  
Herbert I.  
Markle, Mathew J.  
Markus, Alfred S.  
Marovitz, Sydney R.  
Marquart, Arthur A.  
Marquardt, Dr.  
Gilbert H.  
Marsh, A. Fletcher  
Marsh, E. S.  
Marsh, Mrs. Marshall S.  
Marsh, Peter John  
Marshall, Jay  
Martin, Eldon  
Martin, Mrs. George B.  
Martin, George F.  
Martin, Samuel H.  
Martin, Wells  
Martsolf, Philip, Jr.  
Marx, Adolf  
Marx, Victor E.  
Marzola, Leo A.  
Mason, Arnold D. K.  
Mason, Willard J.  
Masse, B. A.  
Massey, Richard W.  
Masters, Eugene W.  
Masters, Keith  
Masterson, Peter  
Mathesius, Mrs. Walther  
Mathis, Allen W.  
Matson, J. Edward  
Maurer, Dr. Siegfried  
Maxant, Basil  
Maxwell, A. K., Jr.  
Maxwell, Robert E.  
Maxwell, W. Stirling  
Mayer, Frank D.  
Mayer, Herman J., Jr.  
Mayer, Isaac H.  
Mayer, Leo  
Mayer, Oscar G.  
Mayer, Robert B.  
Mazurek, Miss Olive  
McAlvin, Mrs. James H.  
McArthur, A. Peter  
McArthur, Billings M.  
McCabe, Frank J., Jr.  
McCahey, James B.  
McCallum, W. W.  
McCarl, David N.  
McCarthy, Joseph W.  
McCausland, Mrs.  
Clara L.  
McClellan, John H.  
McCloska, Fred W.  
McCloud, Thomas W.  
McClun, John M.  
McCord, Mrs.  
Katheryn L.  
McCormick, Mrs.  
Chauncey  
McCormick, Howard H.  
McCormick, Lenader J.  
McCormick,  
Robert H., Jr.  
McCormick, Roger  
McCray, Dr. R. M.  
McCrea, Mrs. W. S.  
McCreight, Louis Ralph  
McCurry, Paul D.  
McCutcheon, Mrs.  
John T.  
McDavid, Raven I., Jr.  
McDermott, Franklin  
McDonald, E. F., Jr.  
McDougal, C. Bouton  
McDougal, David B.  
McDougal, Mrs.  
Edward D., Jr.  
McDougal, Mrs. James B.  
McDougal, Mrs. Mary  
McDougal, Mrs. Robert  
McErlean, Charles V.  
McGowen, Thomas N.  
McGregor, John M.  
McGuffin, James P.  
McGurn, Matthew S.  
McKay, Miss Mabel  
McKeldin, Mrs. S. Bennet  
McKellar, Donald  
McKenna, Charles H.  
McKibbin,  
Mrs. George B.  
McKinney, Mrs. Hayes  
McKittrick, C. E.  
McLaren, Mrs. Robert J.  
McLennan, Mrs.  
Donald R., Sr.  
McLennan, William L.  
McManus, J. L.  
McMenemy, Logan T.  
McMillan, John  
McMillan, W. B.  
McNair, F. Chaloner  
McNamara, Louis G.  
McNamara, Robert C.  
McNamee, Peter F.  
McNulty, Joseph D.  
McPherson, Cleo Edwin  
McQuarrie, Mrs. Fannie  
McReynolds, Mrs.  
Ruth M.  
Means, John L.  
Medsker, Dr. Ora L.  
Meek, Cecil P.  
Meers, Henry W.  
Mehan, Mrs. Georgette  
Mehn, Dr. W. Harrison  
Meidell, Harold  
Meier, Paul  
Meiszner, John C.  
Metcher, George Clinch  
Melody, Miss Margaret  
Melnick, Leopold B.  
Mendelsohn,  
Dr. Robert S.  
Merriam, Miss Eleanor  
Merricks, Mrs. James W.  
Merrill, Miss Marion E.  
Merritt, Thomas W.  
Mesenbrink, Paul H.  
Metcalfe, Mrs. Charles  
Mettenet, Francis X.  
Metz, Dr. Arthur R.  
Metz, Carl A.  
Metzger, Roswell W.  
Meyer, Mrs. A. H.  
Meyer, Charles A.  
Meyer, Dr. Charles A.  
Meyer, Charles Z.  
Meyerhoff, A. E.  
Meyers, Erwin A.  
Meyers, Jonas  
Michaels, Allen C.  
Michaels, Everett B.  
Michalko, Edward  
Michel, D. Daniel  
Michel, Dr. William J.  
Michels, Robert D.  
Michet, Dr. Clement J.  
Middleton, J. A.  
Midowicz, C. E.  
Mielenz, Robert K.  
Milburn, Miss Anne L.  
Milgrom, H. T.  
Milhening, Frank  
Milhoan, F. B.  
Miller, Bernard  
Miller, Byron S.  
Miller, Dr. Cecelia E.  
Miller, Mrs. Clayton W.  
Miller, C. R.  
Miller, Creighton S.  
Miller, Mrs. Donald J.  
Miller, Mrs. Ellen C.  
Miller, Frank A.  
Miller, Mrs. George  
Miller, Glenn R.  
Miller, Mrs. Harvey O.

ASSOCIATE MEMBERS (CONTINUED)

Miller, Hyman  
 Miller, John S.  
 Miller, John W.  
 Miller, Mrs. Olive  
     Beaupre  
 Miller, Oren Elmer  
 Miller, Mrs. Thomas S.  
 Miller, William H.  
 Milligan, John J.  
 Milliken, John F.  
 Mills, Allen G.  
 Mills, Mrs.  
     Dorothy Stone  
 Mills, Lloyd Langdon  
 Mills, Wesley K.  
 Milne, Mrs. David H.  
 Milnor, George B.  
 Miner, Dr. Carl S.  
 Minkler, Ralph R.  
 Mitchell, John J.  
 Mitchell, Oliver L.  
 Mizen, Dr. Michael R.  
 Mock, Dr. Harry Edgar  
 Moderwell,  
     Mrs. Horace M.  
 Moeller, George  
 Mohr, Albert, Jr.  
 Moinichen, Peter  
 Moist, Mrs. Samuel E.  
 Mojonnier, Timothy  
 Mollan, Mrs. Ferne T.  
 Mollendorf, J. D.  
 Molloy, David J.  
 Mong, Mrs. C. R.  
 Monheimer, Henry I.  
 Montgomery, P. B.  
 Moody, Robert A.  
 Moore, Chester G.  
 Moore, Edwin R.  
 Moore, Harold A.  
 Moore, Dr. Josiah J.  
 Moore, Oscar L.  
 Moore, Paul  
 Moore, Philip Wyatt  
 Mordock, John B.  
 Morgan, John Alden  
 Morgan, Miss  
     Elizabeth W.  
 Morgan, K. P.  
 Moro, Gerald Scott  
 Moroni, Aldo L.  
 Morrison, D. K.  
 Morrison, Mrs. Gertrude  
 Morrison, Mrs. Harry  
 Morrison, James C.  
 Morrow, Mrs. John, Jr.  
 Morse, Mrs. Charles J.  
 Morse, Leland R.  
 Morse, Mrs. Milton M.  
 Morse, Robert H.  
 Moses, Howard A.  
 Mosher, Edward A.  
 Moss, Jerome A.  
 Moss, John T.  
 Mossman, John E.  
 Mostek, Raymond  
 Mouat, Andrew J.  
 Moulding, Mrs. Arthur T.  
 Moxon, Dr. George W.  
 Moyer, Mrs. David G.  
 Moyer, Mrs. Paul S.  
 Mudd, Mrs. J. A., Jr.  
 Muehlstein, Mrs.  
     Charles  
 Mueller, Austin M.  
 Mueller, J. Herbert  
 Mulcahy, Mrs.  
     Michael F.  
 Mulhern, Edward F.  
 Mullaney, Paul L.  
 Mullen, Mrs. Esther T.  
 Mullen, Dr. Joseph J.  
 Mundstock, Robert W.  
 Munnecke, Wilbur C.  
 Munnecke, Mrs.  
     Wilbur C.  
 Munroe, Moray  
 Murphy,  
     Carroll Dean, Jr.  
 Murphy, Charles F.  
 Murphy, Edward F.  
 Murphy, Joseph D.  
 Murphy, O. R.  
 Murphy, Robert E.  
 Murphy, W. Richard  
 Muszynski, John J.  
 Myers, Harold B.  
 Myrland, Arthur L.  
 Nachman, H. S.  
 Naess, Sigurd E.  
 Nafziger, R. L.  
 Nagel, Mrs. Frank E.  
 Nagler, Karl B.  
 Nance, Willis D.  
 Nardi, Victor G.  
 Nath, Bernard  
 Nathan, Joseph E.  
 Nault, Dr. William H.  
 Nebel, Herman C.  
 Neely, Mrs. Lloyd F.  
 Nehls, Arthur L.  
 Nelson, Arthur W.  
 Nelson, Charles G.  
 Nelson, Charles M.  
 Nelson, James S.  
 Nelson, Victor W.  
 Nelson, William H.  
 Neskow, Dr. Peter S. Y.  
 Nessler, Robert P.  
 Neuman, Sidney  
 Neumann, Arthur E.  
 Newberg, Paul K.  
 Newberger, Arnold  
 Newberger, Joseph  
     Michael  
 Newcombe, Leo  
 Newhouse, Karl H.  
 Newman, Mrs. Albert H.  
 Newman, Charles H.  
 Newman, Ralph G.  
 Newsome, James E.  
 Newton, C. G.  
 Nichols, Frank Billings  
 Nichols, J. C.  
 Nicholson, Dwight  
 Nieland, Mrs. Mollie B.  
 Nielsen, George  
 Nietschmann, Walter  
 Nilson, Alfred R.  
 Nilsson, Mrs.  
     Goodwin M.  
 Nishkian, Mrs.  
     Vaughn G.  
 Nitze, Mrs. William A.  
 Noble, Daniel E.  
 Noble, Samuel R.  
 Noonan, Edward J.  
 Norell, Elmer G.  
 Norem, Mrs. Lawrence E.  
 Norian, Richard  
 Norman, Harold W.  
 Norris, Mrs. Lester  
 Norton, Christopher D.  
 Novak, Charles J.  
 Noyes, Mrs. May Wells  
 Nusbaum, Mrs.  
     Hermien D.  
 Oberlander,  
     Dr. Andrew J.  
 Obermaier, John A.  
 O'Brien, Miss Janet  
 O'Connell, Edmund  
     Daniel  
 O'Connell,  
     Dr. Franklin T.  
 O'Connor, Hugh J.  
 O'Connor, John B.  
 O'Connor, Thomas S.  
 Odell, Miss Audrey  
 Oden, Dr. Joshua, Jr.  
 Oester, Dr. Y. T.  
 Offield, Mrs. James  
 Offield, Wrigley  
 Oglesbee, Nathan H.  
 O'Hara, Arthur J.  
 O'Keefe, William F.  
 O'Kieffe, De Witt  
 Okner, Dr. Henry B.  
 Olaison, Miss Eleanor O.  
 Oldefest, Edward G.  
 Oleson, Wrisley B.

ASSOCIATE MEMBERS (CONTINUED)

- Olin, Carl E.  
 Olin, Edward L.  
 Oliver, Dr. Marguerite  
 Oliver, Mrs. Paul  
 Olsen, Miss Agnes J.  
 Olsen, Mrs. Arthur O.  
 Olson, Albert M.  
 Olson, Benjamin  
     Franklin  
 O'Neil, Dr. Owen  
 O'Neill, J. W.  
 Onofrio, Mrs. Michael J.  
 Oppenheimer, Seymour  
 Orb, John A.  
 Orndoff, Dr. Benjamin H.  
 O'Rourke, Albert  
 O'Rourke, Mrs. Harry J.  
 Orr, Hunter K.  
 Orr, Mrs. Robert C.  
 Orr, Thomas C.  
 Ortmyer, Dr. Marie  
 Osann, Edward W., Jr.  
 Oscar, Robert E.  
 Oser, Nelson A.  
 Osgood, Mrs. Gilbert H.  
 Ostrom, Mrs. J. Augustus  
 O'Sullivan, James J.  
 Otis, Joseph Edward, Jr.  
 Otis, Peter Witherspoon  
 Otis, Stuart Huntington  
 O'Toole, Donald  
 Ott, Mrs. Fentress  
 Ott, John Ekern  
 Ott, John Nash  
 Ott, Wendel Fentress  
 Owens, Harry J.
- Paasche, Jens A.  
 Packard, Dr. Rollo K.  
 Paffhausen, J. V.  
 Page, John W.  
 Pagel, Mrs. William H.  
 Pagels, George A., Jr.  
 Pallasch, Dr. Gervaise P.  
 Palm, Felix  
 Palmer, James L.  
 Palmer, O. Earl  
 Palmgren, Mrs.  
     Charles A.  
 Paluch, Edward J.  
 Pandaleon, Costa A.  
 Papierniak, Dr. Frank B.  
 Paradee, Sidney A.  
 Pardee, Harvey S.  
 Park, R. E.  
 Parker, Miss Edith P.  
 Parker, Norman S.  
 Parker, Troy L.  
 Parkin, Mrs. J. L.  
 Parks, C. R.  
 Parks, Mrs. Ruth S.
- Parmelee, Dr. A. H.  
 Parrillo, Mrs. Mark  
 Parry, Mrs. Margaret  
 Parry, Mrs. Norman G.  
 Partridge, Lloyd C.  
 Paschen, Mrs. Henry  
 Paschen, Herbert C.  
 Pasco, Frank J.  
 Pashkow, A. D.  
 Pasko, Walter P.  
 Patchen, Dr. Paul J.  
 Patrick, Harry H.  
 Patterson, Grier D.  
 Patterson, R. Curtis  
 Patterson, Thomas A.  
 Patton, A. E.  
 Patzelt, Miss Janet  
 Peabody, Howard B.  
 Peabody, Miss Susan W.  
 Peacock, Charles D., III  
 Pearl, Allen S.  
 Pearson, George  
     Albert, Jr.  
 Peasley, Mrs. John R.  
 Peirce, Albert E.  
 Pellettieri, Dr. D. J.  
 Pellicore, Dr.  
     Raymond J.  
 Pellouchoud, Vernon J.  
 Pencik, Jan M.  
 Percy, Mrs. Charles H.  
 Pereira, Morton  
 Perel, Harry Z.  
 Perkins, Harry D.  
 Perkins, L. B.  
 Perlman, Alfred B.  
 Perlman, Daniel  
 Perlman, Henry  
 Perlman, Raymond L.  
 Perrigo, Charles R.  
 Perry, Mrs. I. Newton  
 Peskin, Bernard M.  
 Peterkin, Daniel, Jr.  
 Peters, Harry A.  
 Petersen, Jurgen  
 Petersen, William O.  
 Peterson, Mrs.  
     Elizabeth F.  
 Petriskey, Mrs. Helen  
 Petty, P. E.  
 Pfaelzer, Miss  
     Elizabeth W.  
 Pflaumer, Robert E.  
 Pflock, Dr. John J.  
 Philipsborn,  
     Herbert F., Sr.  
 Philipsborn,  
     Col. M. M., Jr.  
 Phillips, Dr. Herbert  
     Morrow  
 Phoenix, George E.
- Piatek, Stanley R.  
 Pick, Frederic G.  
 Pierce, Berlyn  
 Pierce, J. Norman  
 Pierce, Paul, Jr.  
 Pierson, Joseph B.  
 Pierson, Roy J.  
 Pikiel, Mrs. A. J.  
 Pillsbury, Mrs. Charles S.  
 Pink, Mrs. Ira M.  
 Pinsof, William  
 Pirie, Mrs. Gordon L.  
 Pirie, Mrs. John T.  
 Pirie, Mrs. S. J. C., Jr.  
 Piszczek, Dr. Edward A.  
 Pitts, Henry L.  
 Plapp, Miss Doris A.  
 Platt, Mrs. Robert S.  
 Plochman, Cordelia G.  
 Plummer, Comer  
 Plunkett, Paul M.  
 Pobloske, Albert C.  
 Podell, Mrs. Beatrice  
     Hayes  
 Poister, John J.  
 Polatsek, Robert D.  
 Pollak, Charles A.  
 Pollock, Dr. G. H.  
 Polyak, Stephen, Jr.  
 Pond, Mrs. Harold M.  
 Pope, Mrs. Henry, Jr.  
 Pope, Herbert  
 Pope, John W.  
 Poppell, Tyson E.  
 Poppenhagen, Henry J.  
 Porter, Edward C.  
 Porter, Mrs. Frank S.  
 Porter, Henry H.  
 Porter, Louis  
 Porter, Mrs. Sidney S.  
 Posey, Chester L.  
 Post, Myron H.  
 Pottenger, William A.  
 Potter, Howard I.  
 Potter, Dr. Robert Morse  
 Potts, Albert W.  
 Poulson, Mrs. Clara L.  
 Powills, Michael A.  
 Prall, Bert R.  
 Pray, Max  
 Preble, Robert C.  
 Price, Mrs. Edward S.  
 Price, Frederick J.  
 Price, John McC.  
 Prince, Mrs. Arthur C.  
 Prince, Harry  
 Prince, Rev. Herbert W.  
 Prince, Kenneth C.  
 Prince, Leonard M.  
 Pritikin, Marvin E.  
 Pritzker, Mrs. Jack

ASSOCIATE MEMBERS (CONTINUED)

- Probst, Marvin G.  
 Prosser, Mrs. John A.  
 Prussing, Mrs. R. E.  
 Pucci, Lawrence  
 Purcey, Victor W.  
 Putterman, A. Jerry  
 Puttkammer, E. W.  
 Puzey, Russell V.  
 Pyshos, Basil N.
- Quick, Miss Hattiemae  
 Quigley, Jack A.
- Racheff, Ivan  
 Radebaugh, Richard J.  
 Radford, George  
 Radford, Mrs. W. A., Jr.  
 Radovich, Miss Bessie  
 Raff, Mrs. Arthur  
 Raftree, Miss Julia M.  
 Ragan, Alvin J.  
 Railton, Miss Frances  
 Ramis, Leon Lipman  
 Randall, Irving  
 Raney, Mrs. R. J.  
 Rankin, Miss Jessie H.  
 Rathburn, M. Hudson  
 Rathje, Frank C.  
 Ratner, Walter B.  
 Ray, Harold R.  
 Ray, Hugh L.  
 Rayfield,  
   Master Russell P.  
 Rayfield,  
   Master Rutherford P.  
 Raymond, Mrs.  
   Howard D.
- Reach, Benjamin F.  
 Ready, Charles H.  
 Reals, Miss Lucile  
   Farnsworth, Jr.  
 Redfield, William M.  
 Reed, John Shedd  
 Reed, Mrs. John Shedd  
 Reed, Mrs. Lila H.  
 Reed, Mrs. Philip L.  
 Reeder, Howard C.  
 Refakes, A. J.  
 Regan, Miss Lucy  
 Regan, Mrs. Robert G.  
 Regenstein, Joseph, Jr.  
 Regenstein, Miss Ruth  
 Regnery, Frederick L.  
 Reid, Mrs. Bryan  
 Reid, Bryan S., Jr.  
 Reid, Robert H.  
 Reilly, George A.  
 Reilly, Vincent P.  
 Reinecke, Lester W.  
 Reisch, Mrs. Louis J.
- Remien, Miss  
   Marie Katherine  
 Renaldi, George J.  
 Renn, Mrs. John A.  
 Renouf, William  
 Renshaw, Mrs. Charles  
 Rentschler, Mrs.  
   William H.  
 Repogle, Dr. Fred A.  
 Re Qua, Mrs. Charles  
   Howard, Jr.  
 Rew, Mrs. Irwin  
 Reynolds, Mrs.  
   G. William  
 Reynolds, Harold F.  
 Reynolds, James A., Jr.  
 Reynolds, Thomas A.  
 Rhines, James E.  
 Rhodes, Charles M.  
 Rice, Mrs. Charles R.  
 Rice, Laurence A.  
 Rich, Elmer  
 Rich, Franklin J.  
 Rich, Harry  
 Richards, Mrs. Bartlett  
 Richards, Donald  
 Richards, Longley  
 Richards, Marcus D.  
 Richardson, Irving  
 Richman, Charles P.  
 Richter, Mrs. Adelyn W.  
 Rickcords, Mrs.  
   Francis Stanley  
 Ridley, Douglas K.  
 Rieg, George S.  
 Rieser, Leonard M.  
 Rietz, Elmer W.  
 Rietz, Walter H.  
 Riker, Dr. William L.  
 Riley, John H.  
 Rinaldo, Philip S., Jr.  
 Rinder, George G.  
 Rindfleisch, Keith P.  
 Ring, Leonard M.  
 Risdon, Russell R.  
 Ritchie, Mrs. John  
 Robb, James T.  
 Roberts, Charles S.  
 Roberts, Harry V.  
 Roberts, William  
   Munsell  
 Robertson, Scott  
 Robinson, Edward  
 Robinson, Milton D.  
 Robinson, R. W.  
 Robinson,  
   Theodore W., Jr.  
 Robinson, William S.  
 Roddewig, Clair M.  
 Roderick, Solomon P.  
 Rodgers, Dr. David C.
- Rodman, Mrs. Hugh  
 Rodman, Thomas  
   Clifford  
 Roe, Frederick  
 Roebuck, Mrs. A. S.  
 Roehling, Mrs. Otto G.  
 Roehm, George R.  
 Roehrborn, Ernest R.  
 Rogers, Miss Annie T.  
 Rogers, Mrs. George P.  
 Rogers, Lester C.  
 Roggenkamp, John  
 Rohloff, Paul F.  
 Rolnick, Dr. Donald  
 Romane, Julian J.  
 Rome, Samuel  
 Romer, Mrs. Arthur C.  
 Roos, Miss Virginia M.  
 Root, John W.  
 Root, Robert A.  
 Rosborough, Dr. Paul A.  
 Rose, Miss Evelyn  
 Rosen, M. R.  
 Rosenbaum, Arthur  
 Rosenbaum, Mrs.  
   Edwin S.  
 Rosenbaum, Mrs.  
   Harold A.  
 Rosenblatt, S. L.  
 Rosenfeld, M. J.  
 Rosenfels, Mrs. Irwin S.  
 Rosenstone, Nathan  
 Rosenstone, Samuel  
 Rosenthal, Gerson M., Jr.  
 Rosenthal, J. F.  
 Rosenthal, M. A.  
 Rosenthal, Samuel R.  
 Rosenwald, Richard M.  
 Ross, Mrs. Doris Serrins  
 Ross, Earl  
 Ross, Melville, Jr.  
 Ross, Robert C.  
 Ross, Thompson  
 Rosset, Harry  
 Rotchford, J. Stuart  
 Rotenberry, Dean  
 Roth, Mrs. Donald I.  
 Roth, Mrs. Margit  
   Hochsinger  
 Roth, Walter L.  
 Rothacker, Watterson R.  
 Rothschild, A. Frank  
 Rothschild, George  
   William  
 Rothschild,  
   Melville N., Jr.  
 Routh, George E., Jr.  
 Rowan, Mrs. Paul  
 Rowe, John R.  
 Rozelle, Mrs. Emma  
 Rubinson, Kenneth Alan



ASSOCIATE MEMBERS (CONTINUED)

- Rubloff, Arthur  
 Rubnitz, Dr. Myron E.  
 Rubovits, Mrs. Frank E.  
 Ruettinger, John W.  
 Rummler, Charles W.  
 Runions,  
     Mrs. Eugene Smith  
 Runnells, John S.  
 Ruppert, Max K.  
 Russell, Mrs. Mary H.  
 Russell, Robert S.  
 Rutledge, George E.  
 Ryan, Arthur  
 Ryan, Eugene F.  
 Ryerson, Mrs.  
     Donald M.
- Sacco, Anthony E.  
 Sachar, Bernard  
 Sachs, Jack L.  
 Sackett, Samuel J.  
 Sage, W. Otis  
 Saks, Benjamin  
 Salak, C. James  
 Salk, Erwin A.  
 Salk, Dr. Melvin R.  
 Salmon, Mrs. E. D.  
 Saltzberg, Gerald B.  
 Salzman, Charles N.  
 Sample, John Glen  
 Sampsell, Marshall G.  
 Sampson, H. R.  
 Samuelson, George  
 Sandler, George S.  
 Sandidge, Miss Daisy  
 Sandquist, Elroy C., Jr.  
 Sandquist, Dr. Robert W.  
 Sands, Mrs. Frances B.  
 San Filippo, Dr. Paul D.  
 Sang, Bernard G.  
 Sanow, Harry R.  
 Santini, Mrs. Randolph  
 Sargent, Chester F.  
 Sasser, Mrs. Fred H.  
 Sauter, Fred J.  
 Sawyer, Dr. Alvah L.  
 Sawyer, Calvin P.  
 Sax, Leonard B.  
 Scalbom, G. Trumbull  
 Scarborough, Mrs. Henry  
 Schact, John H.  
 Schaefer, Fred A.  
 Schafer, Mrs. Elmer J.  
 Schaffner, Mrs. L. L.  
 Schanfield, Leonard  
 Scharin, Mrs. J. Hippach  
 Scheinman, Jesse D.  
 Schelly, Mrs. Herbert S.  
 Schenck, Frederick  
 Schenk, Miss Marion H.  
 Scheu, Ralph
- Schick, Dr. Armin F.  
 Schild, Mrs. Gerhart  
 Schiller, Donald H.  
 Schlatter, Miss Nina E.  
 Schlichting, Justus L.  
 Schloer, Harold J.  
 Schloss, Harold W.  
 Schmidt, Dr. Charles L.  
 Schmitz, Dr. Henry  
 Schneider, D. G.  
 Schneider, F. P.  
 Schnering, P. B.  
 Schnering, Robert B.  
 Schnur, Ruth A.  
 Schnute, Dr. William J.  
 Schoenhofen, Leo H.  
 Scholl, Dr. William M.  
 Schonno, Mrs.  
     Charles W.  
 Schoonhoven, Ray J.  
 Schreiber, L. D.  
 Schreiner, Sigurd  
 Schrey, Dr. Edward L.  
 Schuck, E. H.  
 Schueren, Arnold C.  
 Schulenberg, Raymond F.  
 Schulman, Dr. Jerome L.  
 Schultz, Chester H.  
 Schulze, Mrs. Mathilde  
 Schumaker, Lawrence C.  
 Schupp, Philip C.  
 Schurig, Robert Roy  
 Schuyler, Mrs.  
     Daniel J.  
 Schwab, Laurence E.  
 Schwander, J. J.  
 Schwandt, Miss Erna  
 Schwanke, Arthur  
 Schwartz, Charles F.  
 Schwartz, Charles K.  
 Schwartz, Charles P.  
 Schwartz, Charles P., Jr.  
 Schwartz, Edward H.  
 Schwartz, Joseph H.  
 Schwartz, Leo J.  
 Schwartz, Milton H.  
 Schwartz, Nathan H.  
 Schwartz, Dr. Otto  
 Schwartz, Dr. Steven O.  
 Schweitzer,  
     Mrs. William E.  
 Schwinn, Frank W.  
 Sciaky, Sam  
 Scott, Miss Maud E.  
 Scott, Willis H.  
 Scribner, Gilbert  
 Scribner, Gilbert H., Jr.  
 Scudder, Mrs.  
     William M.  
 Seaholm, A. T.  
 Seaman, Irving, Jr.
- Searle, Daniel C.  
 Searle, Mrs. Nell Y.  
 Searle, William L.  
 Searles, Donald K.  
 Sears, Miss Betty J.  
 Sears, Miss Dorothy  
 Sears, J. Alden  
 Seanson, R. V.  
 Seaton, G. Leland  
 Seaverns, Louis C.  
 Sedgwick, C. Galen  
 Sedlacek, Frank  
 See, Dr. Agnes Chester  
 Seeburg, Justus P.  
 Seeburg, Noel M., Jr.  
 Seeley, Miles G.  
 Segal, Myron M.  
 Segal, Victor  
 Seibert, William R.  
 Seibold, Mrs.  
     Arthur B., Jr.  
 Seidel, Walter H.  
 Seifert, Mrs. Walter J.  
 Seip, Emil G.  
 Seipp, Clarence T.  
 Seipp, Edwin A., Jr.  
 Seipp, William C.  
 Selfridge, Calvin F.  
 Selig, Lester N.  
 Selseth, Ole  
 Selz, Miss Denise  
 Sembower, John F.  
 Seng, Francis A.  
 Senne, John A.  
 Sensibar, Mrs. Ezra  
 Serota, Dr. H. M.  
 Sethness, C. H., Jr.  
 Sevic, Mrs. William  
 Sewell, Allen K.  
 Sexton, Mrs. Sherman J.  
 Sexton, Thomas G.  
 Shafer, Dr. Sid John  
 Shanahan, Mrs. David E.  
 Shapiro, Henry  
 Sharp, Carl J.  
 Sharrow, H. N.  
 Shaw, Alfred P.  
 Shaw, John I.  
 Shedd, Mrs. Charles C.  
 Sheesley, Jay R.  
 Sheldon, James M.  
 Shelton, Dr. W. Eugene  
 Shepherd, Mrs. Edith P.  
 Shepherd, Miss Olive M.  
 Sherman, Mrs. W. W.  
 Shillestad, John N.  
 Shillinglaw, David L.  
 Shoan, Nels  
 Shoemaker, M. M.  
 Shoemaker, Paul B.  
 Sholes, DeVer

ASSOCIATE MEMBERS (CONTINUED)

- Shorey, Clyde E.  
 Shroyer, Malcolm E.  
 Shuart, Karl P.  
 Shumway, Edward D.  
 Shumway, Mrs. Edward  
     De Witt  
 Shumway, Spencer  
     Thomas  
 Shure, Myron B.  
 Sibley, Joseph C., Jr.  
 Siebel, George E.  
 Siebert, C. Stuart, Jr.  
 Sieck, Herbert  
 Siemund, Roy W.  
 Sieracki, Mrs. Anton  
 Silander, A. I.  
 Silberman, Charles A.  
 Silberman, David, Jr.  
 Silberman, David B.  
 Silberman, Hubert S.  
 Silberman, N. M.  
 Sill, Vincent D.  
 Sills, Budd  
 Sills, Clarence W.  
 Silverstein, Raymond  
 Simmonds, Mrs.  
     George L.  
 Simond, Robert E.  
 Simonds, Dr. James P.  
 Simonson, Burton E.  
 Simpson, Lyman M.  
 Sims, Edwin W., Jr.  
 Sims, William W.  
 Sinaiko, Dr. Edwin S.  
 Sincere, Henry B.  
 Sinclair, Dr. J. Frank  
 Singer, Mrs. Mortimer H.  
 Singer, William A.  
 Sinsheimer, Allen  
 Siragusa, Ross D.  
 Sittler, Edwin C.  
 Sivage, Gerald A.  
 Skleba, Dr. Leonard F.  
 Skudstad, Richard L.  
 Slater, Frederick J.  
 Sloan, Dr. Noah H.  
 Smallberg, Dr.  
     William A.  
 Smeeth, William B.  
 Smick, Robert W.  
 Smigiel, Chester W.  
 Smith, Bruce M.  
 Smith, Edgar H.  
 Smith, Dr. Edward C.  
 Smith, Harold Byron  
 Smith, Mrs. Hermon  
     Dunlap  
 Smith, J. P.  
 Smith, Jens  
 Smith, John F., Jr.
- Smith, Mrs.  
     Katharine Walker  
 Smith, Mrs. Kinney  
 Smith, L. Richard  
 Smith, Lynwood  
 Smith, Miss Marion D.  
 Smith, Miss Ollie M.  
 Smith, Paul C.  
 Smith, Philip E.  
 Smith, R. L., Jr.  
 Smith, Mrs. Ruth B.  
 Smith, Mrs. Theodore  
     White  
 Smith, Z. Erol  
 Smuk, Dr. J. E.  
 Smullan, Alexander  
 Snodell, Walter S., Jr.  
 Snow, Lendol D.  
 Snyder, Harry  
 Snyder, Richard E.  
 Sobel, Mrs. Herbert H.  
 Sola, Joseph G.  
 Solinsky, R. S.  
 Solomon, Alfred B.  
 Somerville, Mrs. William  
 Sonntag, Dr. Joseph F.  
 Sopkin, Mrs. Setia H.  
 Sorensen, Howard C.  
 Sorensen, Stanley M.  
 Sorensen, T. R.  
 Spacek, Leonard P.  
 Spalding, Mrs.  
     Vaughn C., Jr.  
 Spanjer, Henry J., Jr.  
 Spaulding, J. B.  
 Specht, Mrs. F. W.  
 Speer, Robert J.  
 Speigel, Dr. I. Joshua  
 Spelman, Harold J.  
 Spencer, Mrs.  
     Frederich L.  
 Spencer,  
     Mrs. Humphrey Orr  
 Spencer, William M.  
 Spencer, Mrs. William M.  
 Sperry, Mrs. Leonard M.  
 Sperry, Oliver R.  
 Spertus, Herman  
 Spiegel, Mrs. Arthur H.  
 Spiegel, Mrs. Gatzert  
 Spiegel, Dr. Manuel  
 Spiegel, Peter J.  
 Spiel, Mrs. Robert E.  
 Spielmann, Willson  
 Spinka, Dr. Harold M.  
 Spitz, Joel  
 Spooner, Dr. Bruce A.  
 Sporrer, M. J.  
 Sprague, Dr. John P.  
 Spray, Cranston  
 Spreyer, F. L.
- Sprtel, Dr. Simon L.  
 Squires, John G.  
 Staack, Dr.  
     H. Frederick, Jr.  
 Staat, Richard A.  
 Staehle, Jack C.  
 Stagman, Nathan  
 Staley, Miss Kate  
 Stanhaus, Wilfrid X.  
 Stanley, Justin A.  
 Stannard, F. J.  
 Starbird, Miss Myrtle I.  
 Starrels, Joel  
 Starzyk, Dale  
 Stater, C. B.  
 Staub, E. Norman  
 Steadry, Frederick O.  
 Steele, Henry B., Jr.  
 Steele, Mrs. Walter D.  
 Steepleton, A. Forrest  
 Stefan, Joseph J.  
 Stein, Mrs. Henry L.  
 Stein, Dr. Irving  
 Stein, Sydney, Jr.  
 Steinberg, Dr. Milton  
 Steiner, George R.  
 Steiner, Harold C.  
 Stenn, Dr. Frederick  
 Stenson, Frank R.  
 Stepelton, Norman A.  
 Stephan, Mrs. John  
 Stephani, Edward J.  
 Stephens, W. R., Jr.  
 Sterba, Dr. Joseph V.  
 Stern, Mrs. Alfred  
 Stern, Gardner H.  
 Stern, Oscar D.  
 Stetson, William C.  
 Steuer,  
     Mrs. Joseph True  
 Stevens, Mrs.  
     Clement D.  
 Stevens, Delmar A.  
 Stevens, Elmer T.  
 Stevenson, Engval  
 Stewart, John  
 Stiglitz, Reuben  
 Stine, Francis B.  
 Stine, Orrin B.  
 Stiner, Mrs. Norman J.  
 Stipp, John E.  
 Stirling, Miss Dorothy  
 Stitt, Robert B.  
 Stoffels, Edgar O.  
 Stoker, Nelson D.  
 Stone, J. McWilliams, Jr.  
 Stone, Mrs. Theodore  
 Storer, E. W.  
 Stough, Mrs. Jay  
 Strandjord, Dr. Nels M.  
 Stratton, Paul

ASSOCIATE MEMBERS (CONTINUED)

- Straus, Frederick W.  
 Straus, Henry H.  
 Straus, Martin L.  
 Straus, Melvin L.  
 Strauss, Dr. Alfred A.  
 Strauss, Mrs.  
     Herman A.  
 Strauss, Ivan  
 Strauss, John L.  
 Straw, Mrs. H. Foster  
 Strickfaden, Miss  
     Alma E.  
 Stromberg, Charles J.  
 Strong, Edmund H.  
 Strong, M. D.  
 Strotz, Harold C.  
 Stuart, Robert D., Jr.  
 Stuebner, Erwin A.  
 Stulik, Dr. Charles  
 Stults, Allen P.  
 Sturgis, John C.  
 Sturtevant, Roy E.  
 Sturtevant, Mrs. Roy E.  
 Sudler, Carroll H., Jr.  
 Summer, Mrs. Edward  
 Sundin, Ernest G.  
 Suomela, John P.  
 Surpluss, Mrs. James L.  
 Sutherland, Mrs. Robert  
 Sutherland, William  
 Sutter, William P.  
 Sutton, Dr. George C.  
 Swain, David F.  
 Swanson, Holgar G.  
 Swartzchild, William G.  
 Sweet, Philip W. K.  
 Swett, Israel  
 Swett, Robert Wheeler  
 Swibel, Charles R.  
 Swift, Mrs. Alden B.  
 Swift, Edward F., Jr.  
 Swift, George H., Jr.  
 Swift, Gustavus F., Jr.  
 Swinford, James C.  
 Swonk, Wayne  
 Sykes, Aubrey L.  
 Sykes, Byron M.  
 Sykes, Mrs. Wilfred  
 Symons, John  
 Synek, Henry Thrush  
 Szymanski,  
     Dr. Frederick J.
- Talbot, Mrs. C. Conover  
 Talbot, Stuart  
 Talbot, Mrs. Stuart  
 Tallman, John Emil  
 Talmage, Mrs. Harry  
 Tanan, Stanley J.  
 Tarrant, Ross  
 Tax, Dr. Sol
- Taylor, Mrs. A. Thomas  
 Taylor, E. Hall  
 Taylor, Herbert J.  
 Taylor, L. S.  
 Taylor, Orville  
 Taylor, Robert C.  
 Taylor, William L., Jr.  
 Teach, Gordon L.  
 Telschow, H. B.  
 Temple, Charles Vaché  
 Tenney, Henry F.  
 Terrill, Dean  
 Terry, Fos Bell  
 Tessem, Nels  
 Thatcher, Everett A.  
 Thatcher, Dr. Harold W.  
 Thelen, Floyd E.  
 Thillens, Melvin  
 Thomas, Mrs. Florence T.  
 Thomas, W. E.  
 Thomas, Dr. William A.  
 Thompson, A. M.  
 Thompson, Arthur H.  
 Thompson, Ernest H.  
 Thompson, Floyd E.  
 Thompson, John E.  
 Thompson, Dr. W. V.  
 Thon, Warren H.  
 Thoren, Mrs. J. N.  
 Thorne, Hallett W.  
 Thornton, Roy V.  
 Thorson, Reuben  
 Thorson, Mrs. Reuben  
 Thrasher, Dr. Irving D.  
 Thresher, C. J.  
 Thulin, F. A.  
 Thullen, Henry M.  
 Tibbitts, Douglas E.  
 Tibbetts, Mrs. N. L.  
 Tiberius, George  
 Tideman, S. N., Jr.  
 Ticken, Theodore  
 Tilden, Louis Edward  
 Tippens, Mrs. Albert H.  
 Tobey, William Robert  
 Tockstein, Miss  
     Mary Louise  
 Todt, Mrs. Edward G.  
 Tolpin, Paul H.  
 Tonn, George  
 Toomin, Philip R.  
 Topaz, Martin  
 Torbet, A. W.  
 Torff, Selwyn H.  
 Torosian, Peter G.  
 Torrence, George P.  
 Touchstone, John Henry  
 Tourtellot, Gair, III  
 Towler, Kenneth F.  
 Tracy, Wilfred  
 Trainor, H. J.
- Trask, Arthur C.  
 Traut, Bernard H.  
 Travelletti, Bruno L.  
 Traver, George W.  
 Travers, Vernon  
 Travis, Eugene C.  
 Traylor, Mrs.  
     Melvin A., Sr.  
 Traylor, Mrs.  
     Melvin A., Jr.  
 Trees, George S.  
 Treffeisen, Gustave  
 Trenkmann, Richard A.  
 Trentlage, Richard B.  
 Trienens, Howard J.  
 Trimarco, Ralph R.  
 Trimble, Mrs. M. B.  
 Tripp, Chester D.  
 Trombly, Dr. F. F.  
 Trowbridge, Mrs.  
     A. Buel, Jr.  
 Trude, Mrs. Mark W.  
 True, Charles H.  
 Trumbull, William M.  
 Tubergen, Harry F., Jr.  
 Tumpeer, Joseph J.  
 Turner, G. H.  
 Turner, Mrs. Horace E.  
 Turney, Kenneth R.  
 Turow, Dr. David D.  
 Twerdahl, Edward A., Jr.  
 Tyler, Thomas S.  
 Tyrrell, Miss Frances
- Ughetti, John B.  
 Uihlein, Edgar J., Jr.  
 Ullmann, Herbert S.  
 Ullmann, S. E.  
 Ulrich, Norman A.  
 Upham, Mrs.  
     Frederic W.  
 Urbain, Leon F.  
 Uriell, Francis H.  
 Ustick, Robert W.  
 Utter, Mrs. Arthur J.
- Vacha, Dr. Victoria B.  
 Vail, Dr. Derrick T.  
 Vale, Mrs. Murray  
 Valentine, Andrew L.  
 Valentine, Patrick A.  
 Van Artsdale, Mrs.  
     Flora D.  
 Vance, Dr. Graham A.  
 Van Cleef, Felix  
 Van Cleef, Mrs. Noah  
 Van Cleef, Paul  
 Van Dellen, Dr.  
     Theodore R.  
 VanderLaan,  
     Dr. Cornelius A.

ASSOCIATE MEMBERS (CONTINUED)

- Van Deventer,  
     Christopher  
 Van Duzer, John B.  
 Vanek, John C.  
 Van Hagen, Miss  
     Elizabeth  
 Van Kirk, Mrs. R. D.  
 Van Mell, Herman T.  
 Van Ness, C. Radford  
 Van Nice, Errett  
 Van Ryzen, Joel G.  
 Van Schaak, R. H., Jr.  
 Van Tassel, Karl R.  
 Van Winkle, James Z.  
 Van Zwoll, Henry B.  
 Varel, Mrs. C. D.  
 Vaughan, Norman  
 Vawter, William A., II  
 Vehe, Dr. K. L.  
 Venema, M. P.  
 Venerable, Mrs. James T.  
 Vernon, John T.  
 Verson, David C.  
 Veverka, Dr. Frank J.  
 Vette, J. L.  
 Vial, Charles H.  
 Vickery, Miss Mabel S.  
 Vi<sup>l</sup>, Dr. Charles S.  
 Vogel, James B.  
 Vogl, Otto  
 Vogt, Mrs. Albert  
 Volid, Peter  
 Volkober, J. A.  
 Von Colditz, Dr.  
     G. Thomsen  
 von Leden, Dr. Hans  
 Von Wolforsdorf, Paul  
 Voorhees, H. Belin  
 Voosen, John C.  
 Vorreiter, C. W.  
 Vose, Mrs. Frederic P.  
 Voynow, Edward E.  
  
 Wacker, Frederick G., Jr.  
 Wade, Albert G., II  
 Wadsworth,  
     Robert Woodman  
 Wager, William  
 Wagner, Mrs. David H.  
 Wagner, Mrs. Frances B.  
 Wagner, Fritz, Jr.  
 Wagner, John Alexander  
 Wagner, Richard  
 Wahl, Arnold Spencer  
 Wahl, Orlin I.  
 Wakefield, Dr. Ernest H.  
 Wakerlin, Dr. George E.  
 Walbert, Richard  
 Waldman, Seymour C.  
 Walgreen, C. R., Jr.  
  
 Walgreen, Mrs.  
     Charles R.  
 Walker, James  
 Walker, Mrs. Paul  
 Walker, Samuel J.  
 Walker, Ward  
 Walker, William E.  
 Walkowiak, Dr. Lydia  
 Waller, Mrs. Edward C.  
 Waller, Fletcher C.  
 Wallin, Mrs. G. W.  
 Walsh, Dr. Eugene L.  
 Wang, Dr. S. Y.  
 Wanner, Arthur L.  
 Ward, Mrs. David Harris  
 Ward, Mrs. N. C.  
 Ward, William Parker  
 Ware, Mrs. Robert R.  
 Ware, Mrs. Thomas M.  
 Wares, Mrs. Helen Worth  
 Warfield, Edwin A.  
 Warner, Mrs. John Eliot  
 Warren, Ben O.  
 Warren, Paul S.  
 Warren, Walter G.  
 Warsh, Leo G.  
 Was, Dr. Harold H.  
 Washington, Laurence W.  
 Wasick, Dr. Milan M.  
 Wasleff, Mrs. Alexia  
 Wassell, Joseph  
 Wasson, Mrs. Isabel B.  
 Waterbury, Donald O.  
 Waterman, French  
 Watkins, George H.  
 Watkins, William A. P.  
 Watkins, W. W.  
 Watson, Harry P.  
 Watson, Norman E.  
 Watson, William Upton  
 Watt, Andrew J.  
 Watt, Richard F.  
 Watts, Amos H.  
 Watts, Harry C.  
 Watzek, J. W., Jr.  
 Waud, Morrison  
 Weary, Rollin D., Jr.  
 Weaver, John M.  
 Weaver, Robert P.  
 Webb, Dr. Edward F.  
 Weber, Paul W.  
 Weber, Warren J.  
 Webster, Frederick F.  
 Webster, Henry A.  
 Webster, Mrs. R. S.  
 Weeks, Kenneth L.  
 Wegrzyn, Dr. John T.  
 Wegrzyn, Joseph  
 Weichselbaum, Dr.  
     Paul K.  
 Weigel, George K.  
  
 Weigle, Mrs. Maurice  
 Weil, Alfred J.  
 Weil, Martin  
 Weiner, George  
 Weinress, Morton  
 Weinress, S. J.  
 Weinstein, M. A.  
 Weinstein, Dr. M. L.  
 Weinzimmer, Dr. H. R.  
 Weir, Paul  
 Weisbrod, Benjamin H.  
 Weisbrod, Maxfield  
 Weiss, Dr. Edward  
 Weiss, Dr. Leon H.  
 Weiss, Mrs. Morton  
 Weiss, Siegfried  
 Weissbrenner, A. W.  
 Weissman, Dr. Irving  
 Weitzel, Carl J.  
 Welch, M. W.  
 Weldon, Richard H.  
 Welfeld, Marvin J.  
 Welles, Mrs. Donald P.  
 Welles, Mrs. Edward  
     Kenneth  
 Wells, Arthur H.  
 Wells, C. A.  
 Wells, Miss Cecilia  
 Wells, Mrs. John E.  
 Wells, John Warren  
 Wells, Preston A.  
 Welton, Arthur D., Jr.  
 Wendel, George E.  
 Wendell, Barrett  
 Wendell, F. Lee H.  
 Wendell, Miss  
     Josephine A.  
 Wendorf, Herman  
 Wentworth, Mrs.  
     Mary T.  
 Wentworth, Mrs.  
     Sylvia B.  
 Wentz, Peter L.  
 Wenzel, Alfred C.  
 Werelius, Dr. Carl Y.  
 Wertheimer, Joseph  
 Wesby, Charles F.  
 Wesby, Vernon L.  
 Wesley, C. N.  
 West, Thomas H.  
 Westbrook, Frank  
 Wetmore, Horace O.  
 Wharton, Dr. Donald C.  
 Wheary, Warren  
 Wheaton, David H.  
 Wheeler, E. Todd  
 Wheeler, George A.  
 Wheeler, Leslie M.  
 Wheeler, Mrs. Seymour  
 Whipple, Mrs. Charles J.  
 Whiston, Jerome P.

ASSOCIATE MEMBERS (CONTINUED)

- Whitaker, R. B.  
 White, Mrs. James C.  
 White, Richard T.  
 White, Sanford B.  
 Whitfield, George B.  
 Whiting, Lawrence H.  
 Whitnell, William W.  
 Whitney, Jack M., II  
 Whitney, Lafeton  
 Whitt, Virgel E.  
 Wicks, Dr. Mark  
 Wicks, Russell M.  
 Widdicombe, Mrs. R. A.  
 Wieland, Mrs.  
     George C.  
 Wienhoeber, George V.  
 Wies, H. M.  
 Wiggins, Kenneth M.  
 Wilbrandt, Robert A.  
 Wilcox, Robyn  
 Wild, Lydon  
 Wilder, Harold, Jr.  
 Wiles, Mrs. Russell  
 Wiley, Mrs. Clarence F.  
 Wilhelm, Dr. Emanuel C.  
 Wilker, Mrs. Milton W.  
 Wilkey, Fred S.  
 Wilkinson, Mrs.  
     George L.  
 Wilkinson, John C.  
 Willems, Dr. J. Daniel  
 Willens, Joseph R.  
 Willett, Howard L., Jr.  
 Willey, Mrs. Charles B.  
 Willey, Lawrence V., Jr.  
 Williams, Emory  
 Williams, Mrs.  
     G. Reynolds  
 Williams, Harry J.  
 Williams, Dr. Jack  
 Williams, Dr. Jasper F.  
 Williams, Kenneth  
 Williams, Robert J.  
 Williams, Rowland L.  
 Williams, Thomas L., Jr.  
 Williams, W. J.  
 Williamson, George H.  
 Williamson, Mrs. Jack A.  
 Willis, Paul, Jr.  
 Willis, Thomas H.  
 Willner, Benton Jack, Jr.  
 Wilms, Hermann P.  
 Wilson, Allen B.  
 Wilson, D. H.  
 Wilson, Edward Foss  
 Wilson, Miss Helen A.  
 Wilson, John P., Jr.  
 Wilson, Mrs. John R.  
 Wilson, Joseph J.  
 Wilson, Morris Karl  
 Wilson, Philip Servis  
 Wilson, Robert H.  
 Winans, Frank F.  
 Windchy,  
     Mrs. Frederick O.  
 Windsor, H. H., Jr.  
 Winston, James H.  
 Winston, Mrs. James H.  
 Winter, Irving  
 Winter, Munroe A.  
 Wirth, J. W.  
 Wiseman, William P.  
 Wishnick, Dr.  
     Seymour D.  
 Witkowski, Dr. Lucjan L.  
 Witter, William M.  
 Wlochall, Arthur  
 Wolbach, Murray, Jr.  
 Wolfe, Lloyd R.  
 Wolfson, Miss Nancy  
 Wolfson, Rudolph A.  
 Wolnak, George  
 Wood, Mrs. Gertrude D.  
 Wood, Mrs. Hettie R.  
 Wood, Mrs. Kay  
 Wood, Mrs. R. Arthur  
 Wood, Robert E.  
 Wood, Mrs. Phyllys  
 Wood, Mrs. Rollin D.  
 Woodall, Lloyd  
 Woods, Frank H.  
 Woods, Weightstill  
 Woolard, Francis C.  
 Woolman, John S.  
 Wright, George L.  
 Wronski, Casimir  
     Pulaski  
 Wulf, Miss Lydia  
 Wulf, Miss  
     Marilyn Jean  
 Wyatt, Harry N.  
 Wygert, Edwin E.  
 Wupper, Benjamin F.  
 Yager, Mrs. Vincent  
 Yarnall, Frank H.  
 Yates, T. L.  
 Ylvisaker, L.  
 Yondorf, John David  
 Yondorf, Milton S., Jr.  
 Yonkers, Edward H.  
 Yorkey, Mrs. Margaret  
 Yost, Miss Karyl  
 Young, B. Botsford  
 Young, Dr. Donald R.  
 Young, E. Frank  
 Young, J. L.  
 Young, William T., Jr.  
 Zabel, Max W.  
 Zabel, Mrs. Max W.  
 Zadek, Milton  
 Zapel, Elmer J.  
 Zawacki, Robin L.  
 Zeisler, Mrs. Ernest B.  
 Zeiss, Dr. Fred R.  
 Zelinsky, S. F.  
 Zerler, Charles F.  
 Ziebarth, Charles A.  
 Zimmerman, E. W.  
 Zimmermann, Frank O.  
 Zimmerman,  
     Dr. Harold W.  
 Zimmerman, Louis W.  
 Zimmermann, Russell A.  
 Zinke, Otto A.  
 Zitzewitz, Mrs. Elmer K.  
 Zitzewitz, Mrs. W. R.  
 Zivin, Mrs. Alma M.  
 Zurcher, Mrs. Suzette M.  
 Zwiener, Kenneth V.

ASSOCIATE MEMBERS (CONTINUED)

DECEASED 1962

Barkhausen, Louis H.	Harris, Mrs. Abraham	Pettibone, Holman D.
Bichl, Thomas A.	Hintz, Mrs.	Pritchard, Richard E.
Bruckner, William T.	Aurelia Bertol	
	Hoyt, Mrs. Phelps B.	Randall,
Combs, Earle M., Jr.	Hunter, Mrs. Florence H.	Rt. Rev. Edwin J.
Conlin, Andrew F.		
	Jackson, Mrs. W. A.	Schmidt, Mrs. Minna M.
DesIsles, Mrs. Carrie L.	Jetzinger, David	Sencenbaugh, Mrs. C. W.
Dimmer, Miss	John, Dr. Findley D.	Sisskind, Louis
Elizabeth G.	Johnston, Miss Fannie S.	Stacey, Mrs. Thomas I.
Dubbs, C. P.	Jones, Dr. Fiske	Strong, Mrs. Walter A.
Dunbar, James H., Jr.	Jones, Melvin	Swartchild, Edward G.
Eisenbrath, Miss Elsa B.	Kearney, A. T.	Towne, Mrs. John D. C.
Engberg, Miss Ruth M.		Traer, Glenn W.
	Langhorne, George	
Folsom, Mrs. William R.	Tayloe	Vacin, Emil F.
Frank, Arthur A.		
	Magan, Miss Jane A.	Washburne, Hempstead
Gaertner, William	Mead, Dr. Henry C. A.	Webster, Miss Helen R.
Ginther, Miss Minnie C.	Megan, Graydon	Wrigley, Mrs. Charles W.
Groot, Cornelius J.	Miller, Miss Bertie E.	
Hamm, Fred B.	Ooms, Casper William	Young, George W.

## NON-RESIDENT ASSOCIATE MEMBERS

*Those, residing fifty miles or more from the city of Chicago, who have contributed \$50 to the Museum*

Baum, Mrs. James	Hagerty, Kenneth A.	Palais, Gordon K.
Baxter, George R.	Hanson, Martin W.	Pearce, Thomas H.
Bradley, Mrs. Oma M.		Pearson, Mrs. Emma
Brown, Walter F.	Johnson, Perry Charles	Phillips, Montagu Austin
Bruce, Richard H.	Johnson, Dr. Sydney J.	Piper, Warren Peter
Buchanan, Warren	Johnson, Mrs. Sydney J.	Porter, Dr. Eliot F.
Carlson, Elmer G.	Lindboe, S. R.	Risto, Herbert
Colby, Carl		
Cruttenden, Walter W., Jr.	McBain, James H.	Soanes, Dr. Sidney V.
	Meevers, Harvey	Stark, Ralph W.
	Merker, George E., Jr.	Stevens, Edmund W.
Droste, Albert C.	Montagu, Austin Phillips	
Elbersen, William J.	Niederhauser, Homer	Trott, James Edwards
Fairman, Fred W., Jr.	Oates, James F., Jr.	Vas, Gabriel N.
	O'Brien, Ward	Whipple, Miss Velma D.
Gooch, Cecil D.	Pain, F. W.	Winslow, Seth L.
Graham, Thomas A.		Wujcik, Robert

## SUSTAINING MEMBERS

*Those who contribute \$25 annually to the Museum*

Adler, Robert S.	Guilbault, Joseph E.	Price, Mark
Angle, Dr. Paul M.		Quackenbush, John L.
Banks, Dr. Sam W.	Hall, J. Parker	Renner, Carl
Bell, Arthur Joel	Hepburn, R. J.	Roberts, William J.
Beukema, Miss Hermine	Hill, David A.	
Bowen, Carroll G.	Kaiser, Dr. George D.	Sale, Robert C.
Callahan, Dr. James J.	Keith, Donald K.	Schaffner, Arthur B.
Coulter, Mrs. J. R.	Kimmel, J. Myron	Schram, Frederick R.
Crown, Irving	Knight, Arthur B.	Sebastian, Jerome R.
	Krulik, Michael	Scheffner, Miss Elizabeth B.
De Butts, J. D.	Lee, Edward J.	Schulze, Paul III
Dodge, John V.		Stout, Miss Phyllis A.
Don, Daniel	Martin, C. Virgil	Swanton, John R.
Duncan, Kent W.	Martin, Dr. Stanley	
Eckhouse, Richard H.	Melamed, Dr. Myron	Thomas, Robert B.
Evans, Dr. Florence L.	Meythaler, Robert J.	
Ewen, Gordon H.	Minas, Karl K.	Van Koert, Lewis I.
Fagan, Mrs. Abel E.	Moore, David W.	
Farley, Preston	Mueller, William J.	Waddington, Dr. Harry K.
Fentress, David W.		Wallerich, George M.
Fickes, Robert O.	Nathan, Thomas	Warner, J. E.
Fink, Sam	Nolan, W. P.	Wehrmacher, Dr. William H.
Gabriel, Rudolph R.	Patinkin, Norman J.	Weisman, Jack
Gelman, Dr. Renee L.	Peterson, Lawrence A.	Windes, Guilford R.
Gore, Budd	Plunkett, Paul M.	Wren, David

## ANNUAL MEMBERS

*Those who contribute \$10 annually to the Museum*

- Abbott, James S., III  
 Abel, Miles L.  
 Abel, Robert B.  
 Abeles, Alfred T.  
 Abrahams, Harry  
 Abrahamson, Robert A.  
 Abrams, Burton R.  
 Abrams, Irving S.  
 Aachtner, Raymond H.  
 Ackerberg, Robert, Jr.  
 Ackermann, Kurt J.  
 Ackerson, Carl  
 Adams, Cyrus H.  
 Adams, Eaton  
 Adams, Hall  
 Adams, Harvey M.  
 Adamson, Henry  
     Norcross  
 Addington, Mrs. Keene H.  
 Addis, Donald J.  
 Addison, Edward A.  
 Adelman, R. J.  
 Ader, David L.  
 Adler, Charles  
 Adler, David  
 Adler, Howard  
 Adler, Richard F.  
 Adler, William H.  
 Agar, Mrs. Katherine D.  
 Agnew, Dr. Paul C.  
 Ahern, Edwin W.  
 Ahlfeld, William J.  
 Ahnquist, Elwyn T.  
 Ahrens, Mrs. Russel F.  
 Aigner, A. C.  
 Aishton, Richard A.  
 Akerhaugen, Alfred  
 Akers, Milburn P.  
 Akre, Dr. Osmund H.  
 Alberding, Charles  
     Howard  
 Albus, Kent  
 Alden, John E.  
 Alderdyce, D. D.  
 Aldige, Miss Esther  
 Aldrich, Howard A.  
 Alexander, Fred W.  
 Alford, Lore W.  
 Allen, Amos G.  
 Allen, Dale C.  
 Allen, F. Denby  
 Allen, Gerald C. F.  
 Allen, Greer  
 Allen, M. T.  
 Allison, Anthony G.  
 Allison, Dr. James M., Jr.  
 Alschuler, Mrs.  
     Alfred S., Sr.  
 Alschuler, Richard H.
- Alsin, Dr. Clifford L.  
 Alter, James  
 Altman, Julian A.  
 Altschul, Mrs. A. Robert  
 Altschul, Gilbert  
 Amberg, Mrs. Thomas  
 Ames, Mrs. John D.  
 Amling, Raymond O.  
 Amon, John W.  
 Amren, Stanley C.  
 Amtman, Dr. Leo  
 Andalman, Michael  
 Andelman, Dr. Samuel L.  
 Anderson, A. B.  
 Anderson, Corliss D.  
 Anderson, Ellis B.  
 Anderson, J. Arthur  
 Anderson, John H., Jr.  
 Anderson, John L.  
 Anderson, Kenneth H.  
 Anderson, Leonard W.  
 Anderson, Robert  
 Anderson, Robert W.  
 Anderson, Roy P.  
 Anderson, Roy R.  
 Anderson, Mrs. Stanley D.  
 Anderson,  
     Theodore W., Jr.  
 Anderson, W. A.  
 Andreas, Osborn  
 Andrews, C. Prentiss  
 Andrews, Frederick B.  
 Andrews, Mrs. Roy E.  
 Angevin, John J.  
 Angres, Dr. Erwin  
 Anixter, Edward F.  
 Annan, Ormsby  
 Anson, Dr. Barry J.  
 Antonczyk, Raymond  
 Antonow, Joseph P.  
 Appelbaum, Mrs. Henry  
 Apple, Dr. Carl  
 Applegate, Ralph W.  
 Appleton, Mrs. Albert I.  
 Appleton, Mrs. Arthur I.  
 Archer, Dr. E. A.  
 Arenberg, Albert L.  
 Argoe, Dimitri T.  
 Arieff, Mrs. Alex J.  
 Arkema, Edward L. S.  
 Arkin, Dr. Aaron  
 Armanetti, Guy  
 Armour, Mrs. Monroe  
 Armour, Norbert F.  
 Armstrong, Dr.  
     Charles H.  
 Armstrong, Mrs. John M.  
 Arnkoff, Dr. Morris  
 Arnold, Alex
- Arnold, Charles S.  
 Arnold, David R.  
 Arnold, Donald R.  
 Arnold, G. E.  
 Arnold, Dr. Robert A.  
 Arnold, Robert S.  
 Aronson, Harry  
 Aronson, M. R.  
 Aronson, Mrs. Zelda G.  
 Arquilla, George, Jr.  
 Arrington, Mrs.  
     W. Russell  
 Arthur, Robert S.  
 Arthur, Thomas  
 Arthur, Mrs. W. R.  
 Arvey, Erwin B.  
 Aschman, Mrs.  
     Frederick T.  
 Ashbrook, Charles G.  
 Ashburne, Dr. L. Eudora  
 Ashcraft, Edwin M., III  
 Ashenhurst, Robert L.  
 Asher, Dr. Carl A.  
 Ashmore, Harry S.  
 Askounis, Mrs. Homer  
 Askow, Irwin J.  
 Astrin, Marvin H.  
 Athanas, Arthur  
 Atkinson, Mrs.  
     Wallace G.  
 Audo, Peter D.  
 Auer, Stuart F.  
 Auerbach, Mrs. Julius  
 Auerbach, Stanley I.  
 August, K. C.  
 Augustus, Mrs. B. Birks  
 Aurelio, Anthony J.  
 Autenrieth, Glenn E.  
 Austin, Mrs. Henry  
     Warren  
 Austin, William F., III  
 Avalon, Mrs. George M.  
 Averhoff, Mrs. Charles C.  
 Averitt, Arthur C.  
 Avery, Mrs. Howard  
 Ayers, Dr. George W.  
 Ayers, William P.  
 Ayres, Willard
- Babel, Edmund F.  
 Bach, Mrs. Louis S.  
 Backman, C. E.  
 Badger, Mrs. James G.  
 Baehr, William B.  
 Baer, Arthur A.  
 Baer, Arthur J., Jr.  
 Baer, Mrs. Joseph W.  
 Baer, Mrs. Robert A.  
 Bagan, Bernard



ANNUAL MEMBERS (CONTINUED)

- Baggot, Mrs. James E.  
 Bagley, A. B.  
 Bagley, Hughes A.  
 Bailes, W. L.  
 Bailey, Albert C.  
 Bailey, Ronald  
 Bailey, Mrs. Warren G.  
 Bair, Mrs. David R.  
 Baird, Mrs. Andrew  
 Baird, John W.  
 Baird, Russell M.  
 Baker, Bruce  
 Baker, Donald  
 Baker, Donald R.  
 Baker, Frank M.  
 Baker, George D.  
 Baker, Mrs. Herbert  
 Baker, John Francis  
 Baker, John L.  
 Baker, Mrs. Marion  
   Herbert  
 Baker, Robert C.  
 Balaban, Elmer  
 Balagot, Mrs. Reuben  
 Baldrige, Holmes  
 Balikov, Dr. Harold  
 Balin, Meyer C.  
 Ball, Edward H.  
 Ball, William H.  
 Ballard, Mrs. E. S.  
 Ballengee, Lee  
 Baltz, William S.  
 Bankard, E. Hoover, Jr.  
 Banning, Thomas A., Jr.  
 Bannister, Daniel R.  
 Barasa, J. Laurence  
 Barasch, Dr. C. J.  
 Barbero, Mrs. Claudia  
 Barboro, Alfred J.  
 Barclay, Miss Cheryl  
 Barclay, Harold  
 Barclay, Wendell F.  
 Bard, Jack J.  
 Bard, Ralph Austin, Jr.  
 Barke, Oscar A.  
 Barker, Cleveland A.  
 Barker, Mrs. C. R.  
 Barker, James M.  
 Barker, M. G.  
 Barker, Robert Clyde  
 Barlett, Robert C.  
 Barlow, Mrs. Gordon Alan  
 Barnes, Mrs. Cecil  
 Barnes, George E.  
 Barnes, Mrs. Harold  
   Osborne  
 Barnes, William H.  
 Barnett, Mrs. George  
 Barnett, Herbert H.  
 Barnett, Mark R.  
 Barnett, Stephen D.  
 Barnhart, Harry  
 Barnhart, Tom E.  
 Barnow, David H.  
 Barr, Charles L.  
 Barr, G. Lance  
 Barr, Warren N., Jr.  
 Barr, Warren S.  
 Barrash, Dr. Meyer  
 Barrett, Charles R.  
 Barrett, Mrs. Wilson  
 Barrick, Dr. Robert G.  
 Barricks, Arthur G.  
 Barrowclough,  
   Miss Jane S.  
 Barron, Raymond M.  
 Barry, David J.  
 Barry, Gerald A.  
 Barry, Norman J.  
 Barsy, Herbert  
 Bartels, Miss Nell  
 Bartelson, Lyle W.  
 Barth, Dr. Earl E.  
 Barth, Hec  
 Bartholomay,  
   William, Jr.  
 Bartkus, Eugene A.  
 Bartlett, George S.  
 Bartling, Martin L., Jr.  
 Barton, Arthur H.  
 Barton, J. V.  
 Barton, Thomas J.  
 Bartsch, Helmuth  
 Baskin, Isadore  
 Bash, Mrs. Philip E.  
 Bass, Charles  
 Bass, Samuel B.  
 Bassett, Robert C.  
 Batalia, Donald C.  
 Bates, Bennitt E.  
 Bates, Edwin R.  
 Bates, William A.  
 Batko, Dr. B. B.  
 Batson, Burnham L.  
 Bauer, John A.  
 Baughman, Ernest E.  
 Baughman, M. Eugene  
 Baum, Bernard H.  
 Baum, Jack W.  
 Bauman, P. J.  
 Baumgartner, John C.  
 Baxter, Arthur K.  
 Baxter, Miss Edith P.  
 Baxter, John H.  
 Bay, Dr. Emmet B.  
 Bayer, George L.  
 Baylin, Dr. Ralph  
 Bazell, Dr. S. R.  
 Beach, James  
 Beach, Milton B.  
 Bean, Ferrel M.  
 Beaner, P. D.  
 Beart, Robert W.  
 Beasley, Milton R.  
 Beattie, Orville C.  
 Beatty, Ross J., Jr.  
 Beaumont, D. R.  
 Beber, Sam  
 Beck, Mrs. Edward S.  
 Becker, David  
 Becker, Eugene J.  
 Becker, Oscar J.  
 Bedford, Jesse  
 Beduhn, Irving J.  
 Beers, Zenas H.  
 Beers-Jones, L.  
 Behr, Carl  
 Behr, John L.  
 Beilin, Dr. David S.  
 Beirne, T. J.  
 Beisel, Ervin E.  
 Bell, Donald R.  
 Bell, Mrs. John C.  
 Bell, Dr. Julius N.  
 Belle, Walter C.  
 Bellows, Charles A.  
 Bellows, Dr. John G.  
 Benestante, Frank  
 Benjamin, Edward  
 Benke, Carl E.  
 Bennett, Dwight W.  
 Bennett, Myron M.  
 Bennett, Richard M.  
 Bennett, Russell O.  
 Bennett, Walter F.  
 Benninghoven,  
   Edward D.  
 Benningsen, Edward  
 Bensingler, Robert F.  
 Benson, George R., Jr.  
 Bent, Gordon  
 Bent, Mrs. Maurice H.  
 Benthin, Howard A.  
 Bentley, E. William  
 Benton, Mrs. Charles W.  
 Beré, Paul  
 Berens, Edward P.  
 Berentson, Benjamin H.  
 Bergdahl, Hal A.  
 Bergen, Alfred L.  
 Berger, Paul H.  
 Berger, William B.  
 Bergman, Edwin A.  
 Bergsten, Mrs. Ralph A.  
 Bergstrom, Del V.  
 Bergstrom, Robert W.  
 Berk, Alex M.  
 Berk, Benjamin  
 Berkos, Manuel J.  
 Berkowitz, Ralph A.  
 Berkson, Norman N.  
 Berkwits, Dr. Edward  
 Berman, Harvey

ANNUAL MEMBERS (CONTINUED)

Bernardi, Joseph L.  
 Berns, Barney  
 Berns, Robert E.  
 Bernstein, Dr. Arthur  
 Bernstein, Arthur J.  
 Bernstein, Dr. Max M.  
 Bernstein, Russell  
 Bernston, Stanley M.  
 Berry, Arthur L.  
 Berry, Dr. Leonidas H.  
 Berry, Russell T.  
 Bert, Vernon J.  
 Bertrand, Eugene F.  
 Best, Gordon  
 Beton, Conrad A.  
 Bettman, Ralph B.  
 Betz, Dr. William P.  
 Betzer, N. A.  
 Beug, Theodore C.  
 Beven, T. D.  
 Beyer, Theodore A.  
 Beyerman, Fred  
 Bick, Carl A.  
 Biddle, Robert C.  
 Bidwell, Dr. Charles L.  
 Bieg, E. J.  
 Biesen, Joseph  
 Bigane, Joseph F., Jr.  
 Billik, Richard J.  
 Billings, Dr. Arthur A.  
 Billings, Fred G.  
 Billings, Marshall L.  
 Billings, Mrs. Wyly, Jr.  
 Billman, Charles R.  
 Binford, W. H.  
 Binkley, John D.  
 Birch, Dr. George W.  
 Birch, H. Ward, Jr.  
 Bird, Frederick H.  
 Bird, Philip L.  
 Bird, T. S.  
 Birks, Z. S.  
 Birnbaum, Irving  
 Birndorf, B. A.  
 Bish, Raymond H.  
 Bishop, Edward, Jr.  
 Bishop, Mrs.  
     James R. T.  
 Bishop, James W.  
 Bissell, Cushman B.  
 Bixler, John Donovan  
 Bjorkman, Carl G.  
 Black, Dr. Arnold  
 Black, Benjamin H.  
 Black, E. J.  
 Black, James H.  
 Black, John T.  
 Blackburn, John W.  
 Blackwell,  
     Mrs. Eugene E.  
 Blaha, Ralph C.  
 Blaine, George A.  
 Blair, Mrs. Arthur M.  
 Blair, Mrs. Harold O.  
 Blair, Henry A.  
 Blair, Mrs.  
     Wm. McCormick  
 Blaisdell, Philip H.  
 Blake, Thomas J.  
 Bland, Lee  
 Bliesener, Larry David  
 Block, E. French  
 Block, Irwin D.  
 Block, Kenneth L.  
 Blomberg, Roy E.  
 Blomquist, Alfred  
 Bloom, Irving D.  
 Bloom, Raymond P.  
 Blossom, Mrs.  
     George W., Jr.  
 Blouke, Miss  
     Martha Coucher  
 Blowitz, Milroy R.  
 Bluhm, Al  
 Bluhm, Harold J.  
 Blum, Professor  
     Irving D.  
 Blumberg, Nathan S.  
 Blume, Ernest L.  
 Blumenfeld, Robert  
 Blumenthal, Mrs. M. H.  
 Blunck, Carl J.  
 Boardman, Newell S.  
 Boberg, I. E.  
 Bockley, Philip F.  
 Boden, Robert W.  
 Bodine, Earl C.  
 Bodmer, Dr. Eugene  
 Boehm, Mrs. George M.  
 Boggis, James A.  
 Boggs, Dr. Joseph D.  
 Bogie, Duane C.  
 Bohrer, Mason L.  
 Boissy, Gilbert E.  
 Boitel, A. C.  
 Bokman, Dr. A. F.  
 Bolen, Earl P.  
 Bolling, Henry  
 Bolognesi, Giulio  
 Bolton, William M.  
 Bookshester, David  
 Boone, Douglass M.  
 Boone, William A.  
 Bopp, Andrew R.  
 Bopp, Frank H.  
 Borchardt, Miss Shirley  
 Borg, Alvin  
 Borge, Michael  
 Borghi, H. F.  
 Bornemeir, Dr. Walter C.  
 Borre, Mrs. Edward M.  
 Borta, Frank W.  
 Boruszak, Mrs. Melvin  
 Bosky, Joseph B.  
 Bosley, Harold E.  
 Bossov, Samuel V.  
 Boswell, Arlie O., Jr.  
 Bottler, J. S., Jr.  
 Bovyn, Paul F.  
 Bowe, Mrs. William J.  
 Bowen, Dr.  
     Edward H., Jr.  
 Bowers, Lloyd W.  
 Bowers, John C.  
 Bowes, Frederick M.  
 Bowes, W. R.  
 Bowles, Dr.  
     Joseph A., Jr.  
 Bowman, J. C.  
 Bowman, Jay  
 Bowman, John S.  
 Bowman, Ralph S.  
 Boyd, Charles W.  
 Boyd, Darrell S.  
 Boyer, Dick  
 Boyle, Wallace J.  
 Brace, Frederick F., Jr.  
 Brach, Edwin J.  
 Brachman, Dr. P. R.  
 Brack, Clarence G.  
 Bradburn, Robert F.  
 Bradford, William S.  
 Bradley, Charles C.  
 Bradley, Charles W.  
 Bradley, Robert S.  
 Bradley, Thomas C.  
 Brady, Harold S.  
 Brady, Mrs. Laban J.  
 Brady, Michael J.  
 Brameyer, Henry A.  
 Bramson, David J.  
 Brand, Theodore  
 Brandt, Mrs. Robert C.  
 Brandt, William M.  
 Branigar, Harvey W., Jr.  
 Brannan, Robert H.  
 Brannin, David P.  
 Brashler, Richard J.  
 Braude, Mrs. Michael  
 Braun, E. J.  
 Breckinridge, Miss Mary  
 Breen, Thomas  
 Brehm, Mrs. Lula A.  
 Bremer, Robert S.  
 Breneman, Gerard J.  
 Brent, John F.  
 Brent, Stuart  
 Breuer, Grant W.  
 Breuer, Mrs. Grant W.  
 Breuer, Dr. Hans R.  
 Brewer, Dr. Charles W.  
 Brewer, Curie L.

ANNUAL MEMBERS (CONTINUED)

- Brewer, James E.  
 Brice, James J.  
 Brickman, A. W.  
 Bridge, Arthur  
 Bridgen, Mrs. Clarence J.  
 Briebl, Dr. Walter  
 Briggs, Edward A., Jr.  
 Bright, Mrs. Orville T.  
 Brightman, Mrs.  
     C. Gordon  
 Brislen, Dr. Andrew J.  
 Brock, William N.  
 Brockett, R. M.  
 Brod, Raymond M.  
 Brodie, Dr. Allan G.  
 Brody, Mrs. A. L.  
 Brody, Merton B.  
 Brogan, John C.  
 Bronner, Maurice H.  
 Bronson, Beckwith R.  
 Bronson, E. A.  
 Bronson, Walter D.  
 Brook, H. C.  
 Brooks, Gerald W.  
 Brooks, Dr. James M.  
 Broska, Joseph  
 Brosnan, Dr.  
     Jerome M.  
 Brosseit, George E.  
 Brostoff, Ben C.  
 Brousard, Rollen N.  
 Brown, Edward I.  
 Brown, George F.  
 Brown, Glenn E.  
 Brown, Grant A.  
 Brown, Harry  
 Brown, James, IV  
 Brown, John A.  
 Brown, Mrs. Roger O.  
 Brown, W. A., Jr.  
 Brown, William R.  
 Brownell, B. B.  
 Brownell, Miss  
     Beryl Ann  
 Browning, Miss Elizabeth  
 Bruce, A. D.  
 Bruce, Miss Kathryn  
 Bruce, Roy A.  
 Bruckner, Aloys L.  
 Brum, Miss Ida L.  
 Brusslan, Dan  
 Bryan, Charles W., Jr.  
 Bryant, Mrs. Daniel C.  
 Bryg, John E.  
 Buchanan, Donald P.  
 Buchanan, R. M.  
 Bucholz, Mrs. S.  
 Buck, Mrs. Nelson L.  
 Buck, Norman W.  
 Buckingham, Mrs.  
     George T.  
 Buckley, Robert C.  
 Buckley, Robert W.  
 Bucy, Dr. Paul C.  
 Budinger, William G.  
 Budzinski, Henry A.  
 Buehler, E. Marvin  
 Buenger, Theodore H.  
 Bueter, Norman E.  
 Buhring, Albert G.  
 Buik, Donald W.  
 Buik, George C.  
 Bules, Floyd W.  
 Bulger, John C.  
 Bulger, Thomas S.  
 Bullock, Walter E.  
 Bunday, Alvah S.  
 Burch, A. T.  
 Burckert, F. D.  
 Burdett, Robert J.  
 Burdick, Dr.  
     Allison L., Jr.  
 Burditt, George M.  
 Burg, Charles J.  
 Burge, Philip W.  
 Burgert, Woodward  
 Burgeson, Walter C.  
 Burgess, Cyril G.  
 Burgess, Kenneth F.  
 Burgess, Ted H.  
 Burgmeier, William T.  
 Burgy, Mrs. Edna W.  
 Burian, Lee  
 Burk, W. C.  
 Burke, Alfred L.  
 Burke, James E.  
 Burke, Philip D.  
 Burkema, Harry J.  
 Burkey, Lee M., Jr.  
 Burkill, Edward W.  
 Burlage, Thomas D.  
 Burman, Craig A.  
 Burman, Marshall  
 Burman, Merwin R.  
 Burn, Felix P.  
 Burno, Mrs. Ruth  
 Burnette, Mark C.  
 Burns, Mrs.  
     Dulcie Evans  
 Burns, Kenneth J., Jr  
 Burns, Stephen J.  
 Burns, Miss Teresa Ann  
 Burns, William J.  
 Burnside, Robert H.  
 Burow, Richard E.  
 Burrell, Basil S.  
 Burrows, Arthur A.  
 Burson, Robert G.  
 Burtis, Clyde L.  
 Burtis, Guy S.  
 Burton, Scott F.  
 Burwell, Romeo  
 Bushnell, Richard  
 Butler, F. P.  
 Butler, Hartman L., Jr.  
 Butler, John Meigs, Jr.  
 Butler, Rush C., Jr.  
 Butterworth, Louis H.  
 Buttitta, Joe J.  
 Button, B. B., Jr.  
 Butts, Benjamin F.  
 Byrne, Dr. M. W. K.  
 Byrnes, William Jerome  
 Byron, Robert B.  
 Cabeen, Richard McP.  
 Cacherat, Albert A.  
 Cadmore, R.  
 Cadwell, Charles S.  
 Cady, Kendall  
 Cady, Paget K.  
 Caesar, O. S.  
 Cahan, Haskell  
 Cahill, Mrs. C. N.  
 Cahill, William E.  
 Cain, Byron A.  
 Cairnes, W. E.  
 Caldini, Floyd A.  
 Calkins, Gilbert R.  
 Calkins, Ned W.  
 Callahan, Charles D.  
 Callan, Mrs. Joe M.  
 Callanan, Charles J.  
 Caloger, Philip D.  
 Calvert, Robert D.  
 Calvin, Mrs. Frank J.  
 Camino, Dr. Rudolph  
 Camp, Jack L.  
 Campbell, C. B. G.  
 Campbell, Colin L.  
 Campbell, Donald W.  
 Campbell, E. R.  
 Campbell, Irving B.  
 Campbell, Keith T.  
 Campbell, Powell M.  
 Campbell, R. Craig  
 Campbell, Mrs. Samuel J.  
 Campbell, Stanley W.  
 Campbell, W. C.  
 Canaday, Raymond  
 Canby, Caleb H., III  
 Cannon, Charles B.  
 Cannon, Le Grand  
 Canmann, David L.  
 Capek, Charles A.  
 Capozzo, John G.  
 Capulli, Leonard R.  
 Carbonaro, Joseph I.  
 Carbonaro, Louis  
 Carbonell, John  
 Carder, Gustave G.  
 Carl, Jack  
 Carl, Otto Frederick

ANNUAL MEMBERS (CONTINUED)

Carlman, Carl  
 Carlson, Mrs. LeRoy T.  
 Carlton, Howard A.  
 Carpenter, Mrs.  
     Herbert R.  
 Carpenter, Lyman E.  
 Carr, Albert J.  
 Carr, Claude E., Jr.  
 Carr, Ernest J.  
 Carr, Joseph P.  
 Carroll, Ralph  
 Carroll, Wallace E.  
 Carroll, Dr. Walter W.  
 Carrow, Dr. Leon A.  
 Cascino, Dr. Joseph P.  
 Case, Leland D.  
 Casey, Donald E.  
 Casey, Joseph  
 Cassidy, Clayton G.  
 Castanes, John C.  
 Castle, Alexander J.  
 Castle, Sidney L.  
 Catt, Mrs. Vy Radman  
 Cavanaugh, Roger M.  
 Cavanaugh, Robert A.  
 Caylor, Harry E.  
 Cella, John L.  
 Cerami, Ned J.  
 Cerf, Floyd D., Jr.  
 Cerrone, Carmen A.  
 Cesar, Mrs. D.  
 Chadwell, John T.  
 Chalifoux, Mrs. Robert S.  
 Chalupa, Charles F.  
 Chandler, Emmerson T.  
 Chandler, Henry T.  
 Chandler, Malcolm A.  
 Chandler, Russell J., Jr.  
 Chaplicki, Norbert L.  
 Chapman, Ralph  
 Charlton, Samuel E.  
 Charone, Sheldon M.  
 Chartoc, Shepard  
 Chase, Thomas B.  
 Cheatham, Banks H.  
 Cheresh, Sidney N.  
 Cheskin, Mrs. Louis  
 Chesrow, David S.  
 Chesrow, Dr. Eugene J.  
 Chidley, Harry J.  
 Chinnock, Ronald J.  
 Chodash, Benjamin B.  
 Christener, Ernest W.  
 Christensen, Christian  
 Christensen, Earl  
 Christensen, John W.  
 Christensen, Joseph M.  
 Christianson, Mrs. J.  
     Russell  
 Christopher, Gale A.  
 Churlin, Edward  
 Chutkow, R. I.  
 Ciesar, John, Jr.  
 Claar, Mrs. Elmer A.  
 Claghorn, Arthur U.  
 Clair, Ralph W.  
 Clare, Fred W.  
 Claire, Richard S.  
 The Clark Children  
 Clark, Dean M.  
 Clark, John H.  
 Clark, Mrs. Ralph E.  
 Clark, Robert O.  
 Clark, William N.  
 Clarke, Mrs. Bernice  
 Clarke, Ernest E.  
 Clarke, John Walter  
 Clarke, Mrs. Philip R.  
 Clarke, Thomas M.  
 Clarkson, John L.  
 Clausing, Mrs. George W.  
 Cleaver, J. Benjamin  
 Clemensen, Arthur C.  
 Clements, Howard P., Jr.  
 Clements, Mrs. Olen R.  
 Clifford, Jack F.  
 Clifton, Elliott S.  
 Clinton, Mrs. Duane, L.  
 Clorfene, Bruce  
 Close, Gordon  
 Cloud, Hugh S.  
 Cloud, Marion D.  
 Clyne, Howard J.  
 Coates, James E.  
 Cobb, Raymond W.  
 Cobb, Sanford  
 Cobden, George  
 Coburn, John T.  
 Cochran, Harold W.  
 Cockrel, Orvel H.  
 Cody, Arthur C.  
 Cody, Joseph M.  
 Coe, Lester  
 Coen, Thomas M.  
 Coesfeld, Harry M.  
 Cogan, Bernard J.  
 Cogan, John J.  
 Coggeshall, Dr. Chester  
 Cohen, Harry  
 Cohen, Abraham H.  
 Cohen, A. Jess  
 Cohen, Maxim M.  
 Cohen, Milton  
 Cohen, Nathan M.  
 Cohen, Dr. Sidney  
 Cohn, Albert H.  
 Cohn, Eugene L.  
 Cohn, Louis J.  
 Cohn, Nathan M.  
 Cohn, Mrs. Rose B.  
 Cohn, Sanford  
 Cohon, Jack A.  
 Coladarci, Peter  
 Colbert, Leonard  
 Colby, Bernard G.  
 Cole, Franklin A.  
 Cole, Jack Z.  
 Cole, John I.  
 Cole, Sander W.  
 Cole, Dr. Warren H.  
 Cole, Willard W.  
 Colegrove, Miss  
     Charlotte A.  
 Coleman, Dr. John M.  
 Colin, Edward C., Jr.  
 Collins, Julien  
 Collins, Michael W.  
 Collins, Paul F.  
 Collins, William M., Jr.  
 Collinworth, E. T., Jr.  
 Colmar, John L.  
 Coltman, Bertram W., Jr.  
 Compere, Dr. Edward L.  
 Comstock, Dr. F. H.  
 Concannon, John T.  
 Condon, E. J.  
 Condon, J. J.  
 Condon, James G.  
 Conger, Edwin H.  
 Conglis, Nicholas P.  
 Conklin, Clarence R.  
 Conley, Charles P.  
 Conley, Edwin B.  
 Conlon, Mrs. F. Patrick  
 Conn, Minor C.  
 Conn, Warner S.  
 Connelly, John J.  
 Connette, Richard P.  
 Conrad, C. Budd  
 Conser, Mrs. Eugene P.  
 Considine, Dan J.  
 Considine, Miss Doris G.  
 Consoer, Arthur W.  
 Consoer, George O.  
 Conway, Hayden F.  
 Conway, James P.  
 Cook, Mrs. Albert C.  
 Cook, Mrs. Donald F.  
 Cook, Everett R.  
 Cook, Gordan  
 Cook, Robert G., Jr.  
 Cooke, Edwin Goff  
 Cooke, James F.  
 Cooke, Dr. Pauline M.  
 Cooke, Roger A.  
 Cooke, Thomas Edward  
 Cookman, Aubrey O.  
 Cooley, Charles C.  
 Cooley, Mrs. Kenneth G.  
 Coolidge, W. K.  
 Cooper, Edward A.  
 Cooper, George J.  
 Corbett, Dr. Maxwell M.

ANNUAL MEMBERS (CONTINUED)

Corbett, Paul M.  
 Corbett, Dr. Robert  
 Corbin, Harold  
     Harlow, Jr.  
 Corbin, Mrs. H. Clark  
 Corby, Francis M.  
 Cordin, N. S.  
 Cordwell, John D.  
 Corman, Thomas G.  
 Corper, Philip  
 Corrington, Louis E., Jr.  
 Corthell, Charles K.  
 Cortwright, H. E.  
 Cory, Dr. C. D.  
 Cosby, Dr. Robert C.  
 Cossman, Maurice B.  
 Costello, Thomas F.  
 Cotey, James A.  
 Cotsworth, Albert, III  
 Cotterman, I. D.  
 Coulter, Thomas H.  
 Coultrap, James W.  
 Courtney, William B.  
 Coveney, E. L.  
 Covert, Robert M.  
 Cowan, John R.  
 Cowhey, William P.  
 Cowles, Alfred  
 Coy, Harry I., Jr.  
 Cragg, Mrs. George L.  
 Cragg, Richard T.  
 Craigmile, Charles S.  
 Cramer, Kenneth E.  
 Crane, Earl D.  
 Cravens, Mrs. Thomas R.  
 Crawford,  
     Mrs. Elizabeth Y.  
 Crawford, Mrs. Louis  
 Crawford, Wallace L.  
 Cray, Glenn F., Jr.  
 Crean, Dr. C. L.  
 Creber, Walter H., Jr.  
 Crockett, Newell  
 Croke, Edward J., Jr.  
 Cromie, Robert A.  
 Cronin, J. Philip  
 Cropper, Mrs. Wendell P.  
 Cross, Dr.  
     Roland R., Jr.  
 Crossley, Richard C.  
 Crowley, George D.  
 Crowson, George M.  
 Crowthor, Fred D.  
 Crutchfield, Henry W.  
 Cruttenden,  
     Walter W., Sr.  
 Cyr, Miss Elaine M.  
 Cuca, James A.  
 Culbertson, John Carey  
 Culbertson, S. A., II  
 Culhane, Frank J.  
 Culhane, Martin A.  
 Cullicott, George E.  
 Culver, Bernard W.  
 Culver, Richard D.  
 Cummings, Tilden  
 Cummings, Thomas N.  
 Cummins, Dr.  
     George M., Jr.  
 Cunningham, Bernard J.  
 Cunningham, Francis V.  
 Cunningham, Robert D.  
 Curran, William W.  
 Currie, Ernst  
 Curry, James L.  
 Curtis, Ellwood F.  
 Curtis, Paul  
 Cushman, Mrs. A. W.  
 Cushman, Dr. Beulah  
 Cushman, L. Arthur, Jr.  
 Cushman, Robert S.  
 Custer, Charles F.  
 Dabney, Mrs. Charles O.  
 D'Addio, G. S.  
 Daggett, Miss Dorothy  
 Daggett, Walter R.  
 Dahlberg, John K.  
 Dahlberg, Theodore L.  
 Daidone, Benjamin  
 Dalbke, Warren E.  
 Dalton, Arthur T.  
 Dalton, Stanley C.  
 Daly, Robert E.  
 D'Amico, Joseph S.  
 Damon, Robert J. C.  
 Danciu, Earl A.  
 Danforth, George Edson  
 Daniels, Draper  
 Danielson, Mrs. John  
 Darby, Phillips M.  
 D'Arcy, John  
 Darfler, Mr. Donald  
 Darfler, Walter L.  
 Daro, August F.  
 Darr, Milton F., Jr.  
 Darrow, William W.  
 Dashow, Jules  
 Daspit, Richard W.  
 Daspit, Walter  
 Dato, Edwin E.  
 Datro, George L.  
 Daut, Miss Myrnie Lee  
 David, Sigmund W.  
 Davidow, Leonard S.  
 Davidson, Carter  
 Davidson, David  
 Davidson, William D.  
 Davis, Mrs. A. D.  
 Davis, Alvin G.  
 Davis, Benjamin B.  
 Davis, Carlos Lewis  
 Davis, Charles A.  
 Davis, Charles O.  
 Davis, Mrs. Charles P.  
 Davis, Mrs. De Witt, III  
 Davis, Howard J.  
 Davis, Hugh  
 Davis, James N.  
 Davis, Joseph  
 Davis, Paul H.  
 Davis, Ray A.  
 Davis, Robert C.  
 Dawson, John W.  
 Dawson, Dr. I. Milton  
 Day, Wesley H.  
 DeAlbani, Mrs. Mary  
 Deaver, Wilds, P.  
 DeBacher, Jack R.  
 DeBaets, M. R.  
 DeBolt, K. J.  
 Debs, Mrs. Jerome H.  
 DeCesare, Joseph  
 Dechert, Curt H.  
 Decker, Dr. Ann  
 Decker, Darrell D.  
 De Costa, H. J.  
 Dedmon, R. Emmett  
 Defrees, Donald  
 Deinhardt, Dr. Friedrich  
 Deknatel, Frederick H., II  
 de la Torre, Dr. Alberto  
 Delcher, Mrs. Edwin S.  
 De Lee, Dr. Sol T.  
 De Leuw, Charles E.  
 Dellow, Reginald  
 DeLorenza, Charles  
 Del Papa, Joseoh R.  
 De Lue, Ross  
 Demain, Steve L.  
 De Ment, George L.  
 De Motte, R. J.  
 Denemark, A. F.  
 Denman, Walter W.  
 Denning, George S.  
 Dennis, Marvin D.  
 De Normandie, John B.  
 Denton, Earl A.  
 Dentz, Frank R.  
 De Pencier, Mrs.  
     Joseph R.  
 Derby, Mrs. William B.  
 Dernehl, James U.  
 De Santis, Anthony O.  
 Despres, Leon M.  
 Dess, William  
 Deutsch, Richard H.  
 Devery, John J.  
 De Vry, Edward B.  
 Dewey, Clarence J.  
 De Witt, E. J.  
 Diaz-Perez, Dr. Luis E.  
 Dichter, Miss Joan

ANNUAL MEMBERS (CONTINUED)

Dick, Mrs. Edison  
 Dicke, Robert L.  
 Dicken, Mrs. Clinton O.  
 Dickerson, Earl B.  
 Dickman, Frank  
 Didricksen, J. W.  
 Diebolt, Norman  
 Dienhart, John W., Jr.  
 Diezel, John B.  
 Diffenbaugh, Dr.  
     Willis G.  
 Dilibert, S. B.  
 Dill, Dr. Lorán H.  
 Dillman, David  
 Dillon, Mrs. Lucille M.  
 Dimiceli, Vincent, Jr.  
 Dirda, Dr. L. A.  
 Dispenza, N. R.  
 Distenfield, Leo  
 Dixon, Arthur  
 Dixon, Lyman W.  
 Dobbin, Robert A.  
 Doberstein, Robert R.  
 Dobro, Henry  
 Doctoroff, John  
 Dodson, James R.  
 Doern, Philip  
 Doherty, John P.  
 Dole, Arthur, III  
 Dolin, Albert H.  
 Dombek, Benny D.  
 Donahue, Russell B.  
 Donald, Mrs. Alanson J.  
 Donigan, Robert W.  
 Donoghue, James V.  
 Donovan, John J.  
 Dooley, James A.  
 Dooley, Mrs. Robert D.  
 Doris, Edward  
 Dorn, Thomas E.  
 Dougherty, Mrs. Jean E.  
 Doughty, William H.  
 Douglas, Kenneth J.  
 Dove, John R.  
 Dovenmuehle, George H.  
 Dover, David J.  
 Downey, William K.  
 Downs, Charles S.  
 Downs, James C., Jr.  
 Downs, John R.  
 Doyle, Mrs. Phil A.  
 Doyle, Thomas J.  
 Drake, Miss Alvertta  
 Drake, Lyman, Jr.  
 Drebin, Bernard V.  
 Dreher, George  
 Drell, Leonard  
 Drennan, Walter R.  
 Dresser, Thorpe  
 Drevs, Robert M.  
 Drew, Joseph D.

Driscoll, George E.  
 Driscoll, William M.  
 Druse, Richard C.  
 DuChateau, M. F.  
 Duensing, M. C.  
 Duff, Philip G.  
 Duffey, Richard  
 Duffy, George E.  
 Dulla, Steven J.  
 Dunbeck, Mrs.  
     Norman J.  
 Duncan, Charles W.  
 Duncan, Mrs. H. F.  
 Duncan, J. Russell  
 Dundas, William A.  
 Dunkle, Raymond M., Jr.  
 Dunkleman, Gabriel  
 Dunlap, Leonard E.  
 Dunlop, Mark L.  
 Dunnell, Ransom P.  
 Dunning, Mrs. W. S.  
 Dunsmore, A. J.  
 Durgin, Richard L.  
 Durham, F. J.  
 Durham, William E.  
 Durrie, Paul H.  
 Duschene, Joseph P.  
 Dusek, B. W.  
 Dutt, James L.  
 Duty, J. E.  
 Dvorak, Stanley J.  
 Dwyer, Robert A.

Eagan, S. F.  
 Earlandson, Ralph O.  
 Eastman, A. D.  
 Eastman, Mrs. Walker P.  
 Eastwood, Mrs. Agnes R.  
 Eaton, William P.  
 Eberhart, A. Dryden  
 Ebin, Mrs. Dorothy  
     Mylrea  
 Echt, George  
 Eck, Mrs. Carl  
 Eck, Robert J.  
 Eckert, Fred W.  
 Eckert, Philip G.  
 Eddy, George A.  
 Eddy, J. E.  
 Edelman, Daniel J.  
 Edelstone, Benjamin J.  
 Edens, Robert L., Jr.  
 Ederer, E. A.  
 Edes, Francis D.  
 Edgar, Robert F.  
 Edge, Peter  
 Edgerly, Daniel W.  
 Edleman, Alvin  
 Edmonds, C. George  
 Edwards, Dr. Eugene A.  
 Edwards, Herman C.

Egan, A. J.  
 Egan, Mark  
 Egdorf, John E.  
 Eggen, Burton M.  
 Eggleston, Raymond C.  
 Eglit, Nathan N.  
 Egon, Basil G.  
 Ehrmann, Walter H.  
 Eichstaedt, Dr. John J.  
 Eigelsbach, Carl P.  
 Eikelbarner, Mrs. Lyle F.  
 Eisenberg, David B.  
 Eisendrath, David C.  
 Eisenhuth, George A.  
 Eisenstein, Dr. Milton W.  
 Eiserman, Irving W.  
 Eisman, John M.  
 Eismann, William  
 Eklund, Roger  
 Ekstrand, Richard L.  
 Elden, A. D.  
 Elenz, Robert J.  
 Elfenbaum, William  
 Elfring, George E.  
 Eller, John C.  
 Ellickson, Dr. Bruce E.  
 Elling, Winston  
 Ellingsen, E. Melvin  
 Ellis, Cecil Homer  
 Ellis, Hubert C.  
 Ellis, Ralph E.  
 Ellison, Jack  
 Ellman, A. R.  
 Ellman, Harold R.  
 Erick, George S.  
 Elson, Alex  
 Elver, Thomas  
 Ely, Maurice R.  
 Embree, John W., III  
 Emrich, C. Lyman, Jr.  
 Emrich, Milton S.  
 Endicott, De Witt  
 Engebretson, Einar N.  
 Engh, Harold V., Sr.  
 Englehaupt, William M.  
 English, Maurice  
 England, Fred W.  
 Engstrom, L. E.  
 Enzweiler, W. P.  
 Ephraim, Max, Jr.  
 Epple, Louis R.  
 Epstein, Dr. Casper M.  
 Erickson, William N.  
 Erikson, Bertil G.  
 Ersfeld, Dr. John G.  
 Erzinger, Howard F.  
 Eshbaugh, C. Harold  
 Esko, Sampson  
 Eskuchen, Frank G.  
 Esten, Miss Virginia  
 Evans, Mrs. Bergen

ANNUAL MEMBERS (CONTINUED)

Evans, C. H.  
 Evans, Clyde H.  
 Evans, John W.  
 Evans, Keith J.  
 Evans, Thomas N.  
 Everett, Richard M., Jr.  
 Everote, Warren  
 Evers, Clifford F.  
 Exum, Ray E., Jr.  
 Ezra, Max R.

Fagan, Miss Judith  
 Fagan, Peter  
 Fager, Raymond Alton  
 Fagerson, Harold R.  
 Fahey, Mrs. Edward W.  
 Fahey, F.  
 Faierson, Stanley W.  
 Fairbank, Livingston, Jr.  
 Fairs, C. Ronald  
 Faissler, John J.  
 Falk, Mrs. C. B.  
 Falkenberg, Charles V., Jr.  
 Fallon, Mrs. Jerome F.  
 Falls, Dr. F. H.  
 Fanning, Mrs. L. S.  
 Fantus, Ernest L.  
 Faraone, S. L.  
 Farber, Dr. Harry H.  
 Farber, Lynn C.  
 Farlow, Arthur C.  
 Farmer, Lee R.  
 Farnsworth, Gordon F.  
 Farr, A. V.  
 Farrar, Holden K.  
 Farwell, Francis C.  
 Fasano, Joseph F.  
 Faulkner, Earle C.  
 Faulks, Mrs. Herbert R.  
 Faurot, Robert S.  
 Faverty, Clyde B.  
 Fay, Clifford T., Jr.  
 Fay, William E., Jr.  
 Feagans, D. G.  
 Fegles, Donald  
 Feldman, Maurice  
 Feldman, Max  
 Felker, C. V.  
 Fellers, Francis S.  
 Fellingham, Paul  
 Fellowes, Harry L.  
 Fellowes, H. Folger  
 Fenchen, John A.  
 Fenn, John F.  
 Fentress, James, Jr.  
 Fergus, William D.  
 Ferguson, William E.  
 Fern, J. M.  
 Ferrall, James  
 Ferreri, Frank

Ferry, Mrs. Frank  
 Feulner, Edwin  
 Fey, Edward J.  
 Fey, Dr. Richard W.  
 Fick, Mrs. Raymond W.  
 Field, Miss Mariana  
 Fifielski, Edwin P.  
 Fillinsky, Edmund A.  
 Finch, Herman M.  
 Finch, Lindley  
 Fine, Irving A.  
 Finkl, Alfred F.  
 Finlayson, James K.  
 Finston, Albert Leo  
 Fisch, Maurice C.  
 Fischer, H. Robert  
 Fischer, William D.  
 Fischman, King J.  
 Fish, Mrs. Sigmund C.  
 Fishburn, Mrs. Alan  
 Fisher, Bernard M.  
 Fisher, David J.  
 Fisher, Harry N.  
 Fisher, Maurice  
 Fisher, Rauland C.  
 Fishman, Isadore  
 Fishman, Dr. Jerome  
 Fishman, Julius  
 Fishman, Louis  
 Fishman, W. S.  
 Fiske, Mrs. Donald W.  
 Fiske, Kenneth M.  
 Fiske, Thomas E.  
 Fistell, Mrs. Harry  
 Fitch, Marvin  
 Fitch, Morgan L., Jr.  
 Fitzgerald, George J.  
 Fitzgerald, J. Cushing  
 Fixman, I. M.  
 Flaherty, Miss Helen  
 Flanagan, Dr. James B.  
 Fleischman, Bernard  
 Fleming, Dr. James F.  
 Flemming, Miss A.  
 Fletcher, James E.  
 Floreen, Adolph R.  
 Florsheim, Miss Lillian H.  
 Florsheim, Leonard S.  
 Floyd, Fred S.  
 Flynn, Leo M.  
 Fogel, Mrs. William  
 Ford, Dr. Charles A.  
 Ford, Donald A.  
 Fordtran, Henry C.  
 Forrest, William R.  
 Forgue, Norman W.  
 Forst, Miss Eveline M.  
 Fosse, Irwin A.  
 Fossler, G. O.  
 Foster, Mrs. John N.  
 Foulks, E. E.

Foulks, William  
 Foute, Kenneth  
 Fowler, Clifford C.  
 Fowler, Glenn C.  
 Fowler, Harold E.  
 Fox, Arthur E.  
 Fox, Dr. Benum W.  
 Fox, Earl B.  
 Fox, George J.  
 Fox, John Jay, Jr.  
 Fragomeni, Joseph S.  
 Fraker, Charles D.  
 Frale, Anthony M.  
 Framburg, Stanley  
 Francik, Albert M.  
 Franczak, Albert J.  
 Frankart, William F.  
 Frank, Augustus J.  
 Frank, Clinton E.  
 Frank, Curtiss E.  
 Frank, George  
 Frank, Irving  
 Frank, John M.  
 Frank, Maurice A.  
 Frank, Mrs. Robert B.  
 Frankel, Adolph  
 Frankel, Marshall  
 Frankenbush, Robert  
 Franklin, Ben L.  
 Franks, Maurice R., Jr.  
 Frauen, Hermann  
 Freedman, Edward H.  
 Freeman, Charles A., Jr.  
 Freeman, C. R.  
 Freeman, David A.  
 Freeman, Earl  
 Freeman, Jack  
 Freeman, James E.  
 Freeman, John  
 Freeman, Kernal  
 Frei, Robert R.  
 Frei, Russell H.  
 Friefeld, Samuel D.  
 Fremont, Miss Ruby  
 French, Henry S.  
 Freudenfeld, Mrs. Silvia  
 Frick, William G.  
 Friedeman, Richard F.  
 Friedland, Sidney  
 Friedlich, John  
 Friedman, Hans A.  
 Friedman, Morton B.  
 Friedsam, A. C.  
 Friedlander, Max B.  
 Friedlob, Fred M.  
 Frisbie, Richard P.  
 Fritch, Mrs. Louis C.  
 Froman, Abel  
 Frost, Allan  
 Foster, Henry C.  
 Fruh, Arthur W.

ANNUAL MEMBERS (CONTINUED)

- Fuchs, J. D.  
 Fuelling, John A.  
 Fugard, John R.  
 Fugett, George C.  
 Fuhry, Joseph G.  
 Fuller, Mrs.  
     Eugene White  
 Fuller, Mrs. Harry H.  
 Fullmer, Paul  
 Furlong, Clair W.  
 Furlong, Phil  
 Furth, Lee J.
- Gabel, Walter H.  
 Gadau, Harry L.  
 Gadshe, Mrs. R. E.  
 Gage, John N.  
 Gage, W. S.  
 Gaines, Aaron G.  
 Gaines, Dr. R. B.  
 Gallagher, Arthur J., Jr.  
 Gallagher, Daniel  
 Gallagher, Frederick H.  
 Gallagher, Mrs.  
     Geraldine  
 Gallagher, Mrs. James B.  
 Gallagher, William J.  
 Gallarneau, Hugh H.  
 Gallas, Mrs. Marie  
 Gallauer, William  
 Galley, Mrs. H. William  
 Gallo, Alfred E.  
 Galvin, Richard J.  
 Gammie, George  
 Gannett, Gordon H., Jr.  
 Gannon, Edward P.  
 Gansbergen, R. H.  
 Garbe, Raymond  
 Garber, Maurice H.  
 Garcia, Miss Mary  
 Gardner, Dr. Burleigh B.  
 Gardner, William B.  
 Gardner, W. Kelly  
 Garr, L. A.  
 Garrabrant, Norbert T.  
 Garretson, Robert H.  
 Garrick, Dr. Samuel  
 Gartner, Max L.  
 Garver, George P.  
 Garvey, Thomas J.  
 Garwacki, Dr. John H.  
 Gary, Charles V.  
 Gasch, Robert H.  
 Gasper, T. F., Jr.  
 Gast, Dr. Carl L.  
 Gasul, Dr. B. M.  
 Gates, Mrs. Henry C.  
 Gathany, Van R.  
 Gaudian, Chester M.  
 Gaudio, James C.  
 Gaul, Michael F.
- Gavron, Joseph P.  
 Gawthrop, Alfred  
 Gearen, John J.  
 Gebhard, Paul  
 Gehlbach, H. Hunter  
 Geiger, C. Gregg  
 Gellman, Harold  
 Gelling, James B.  
 Gelperin, Dr. Jules  
 Genematas, William N.  
 Gent, Mrs. Dennis  
 Genther, Charles B.  
 Geocaris, James A.  
 George, Clark B.  
 George, Robert M.  
 George, Nelson C.  
 Gerathy, E. Carroll  
 Geraghty, James K.  
 Geraghty, Miss  
     Margaret G.  
 Geraghty, Mrs.  
     Thomas F.  
 Geraghty, Thomas F., Jr.  
 Germaine, Daniel  
 Germaine, Jerry R.  
 Gerometta, Miss Jean  
 Gerson, Irving B.  
 Gertstner, Edward W.  
 Gertz, Dr. George J. D.  
 Geter, Howard D., Sr.  
 Getz, Oscar  
 Getz, John G., Jr.  
 Giangreco, William F.  
 Giase, Joseph S.  
 Gibbs, Dr. Frederic A.  
 Gibbs, William T.  
 Gibson, James T., Jr.  
 Gibson, Miss Margaret  
 Gibson, Robert F.  
 Gibson, W. B.  
 Gidwitz, Gerald  
 Giesecke, R. H.  
 Gifford, Chester  
 Gilbert, Allan A.  
 Gilbert, Alvin J.  
 Gilbert, Arnold M.  
 Gilbert, Thomas L.  
 Gilbert, W. P.  
 Gilmer, Frank B.  
 Gilmore, Mrs.  
     William Y.  
 Gimbel, Stanley D.  
 Giordano, Frank L.  
 Giovacchini, William T.  
 Girardi,  
     Mrs. Elizabeth-Louise  
 Gish, S. M.  
 Gitelson, Dr. Maxwell  
 Glade, Mrs.  
     George H., Jr.  
 Glatt, Jack E.
- Glazer, Daniel  
 Gleasner, Lee E., Jr.  
 Gleave, Winston  
 Gleiss, Henry O.  
 Glick, Edward R.  
 Glickauf, Joseph S., Jr.  
 Glockner, Maurice  
 Glore, Charles F., Jr.  
 Glore, Hixon  
 Glover, Grange J.  
 Gocke, Robert E.  
 Godlowski, Dr. Z. Z.  
 Godshall, Ammon B.  
 Goebel, John  
 Goebel, Louis H.  
 Goff, James M.  
 Goldberg, Arthur J.  
 Goldberg, Bertrand  
 Goldberg, Mrs.  
     Samuel L.  
 Golden, John R.  
 Goldring, Norman  
 Goldsmith, E. G.  
 Goldsmith, Howard  
 Goldsmith, Dr. Julian  
 Goldstein, Eph.  
 Goldstein, Sidney J.  
 Gomberg, Arthur S.  
 Gomberg, Dr. David  
 Gomberg, Miss Lauri  
 Good, James W., Jr.  
 Goodenough, S. W.  
 Goodhart, Mrs. H. J.  
 Gooding, Robert E.  
 Goodrich, Miss Juliet T.  
 Goodrich, Paul W.  
 Gordan, Marvin N.  
 Gordon, Mrs. Debora  
 Gordon, Herman J.  
 Gordon, Leonard  
 Gordon, Miss Maude  
 Gordon, Norman  
 Gore, Mrs. Roston  
 Gorham, Willett N.  
 Gorham, Sidney S., Jr.  
 Gorman, Mrs. Joseph K.  
 Gorman, Richard F.  
 Gornick, Francis P.  
 Gornstein, Dr. H. C.  
 Gorsline, Frank D.  
 Gossett, Lorn  
 Gottlieb, David  
 Gottlieb, Jacob  
 Gottschall, Robert V.  
 Gottschall, Walter L.  
 Gougler, Lawrence W.  
 Gould, Harold H.  
 Governale, Dr. Samuel L.  
 Grader, George T.  
 Graf, Paul A.  
 Graff, Edward



ANNUAL MEMBERS (CONTINUED)

- Graffis, Herbert  
 Grage, William  
 Graham, Bruce J.  
 Graham, Donald M.  
 Graham, Dr. James F.  
 Graham, Dr. John P.  
 Graham, W. Crosby  
 Graham, Mrs. William B.  
 Granger, Mrs. Denise  
 Grant, George G.  
 Grant, Meyer Z.  
 Grant, Louis Z.  
 Grant, Paul  
 Grant, William H.  
 Grantham, Joe P., Jr.  
 Grass, A. Irving  
 Grauer, Milton H.  
 Gray, Cola A.  
 Gray, John D.  
 Gray, Thomas C.  
 Gray, William Scott, III  
 Grazian, Leonard R.  
 Greeley, Samuel S.  
 Green, Albert  
 Green, Chester R.  
 Green, Mrs. Dwight H.  
 Green, Mrs. George L.  
 Green, J. W.  
 Green, Ken  
 Green, Mrs. Robert A.  
 Green, Thomas  
 Greenaway, Donald  
 Greenbaum, Michael  
 Greene, Dr. Harry G.  
 Greenberg, S. U.  
 Greenfield, Paul J.  
 Greenfield, Michael C.  
 Greenwood, Marvin  
 Gregg, Miss Doris M.  
 Gregor, Frank  
 Gregory, Dr.  
     Benjamin J.  
 Gregory, Stanley O.  
 Griffin, Edwin J.  
 Griffin, James T.  
 Griffith, George  
 Griffith, Melvin J.  
 Griffiths, G. Findley  
 Grimes, Douglas A.  
 Grimes, J. Frank  
 Grimm, Leo J.  
 Grinker, Dr. Roy R., Jr.  
 Grinstead, M. W.  
 Grisham, William F.  
 Groble, Edward B.  
 Groen, Mrs. F. H., Jr.  
 Groen, Fred H.  
 Groenwald, F. A.  
 Grohe, Robert F.  
 Grossman, Dr. Burton J.  
 Grossner, Joseph  
 Grossnickle, Myron D.  
 Groves, Mrs. Northa P.  
 Gruendel, George H.  
 Guerrant, David E.  
 Grumhaus, Harold  
 Grunow, Elmer W.  
 Grunsfeld, Mrs. Mary  
     Jane  
 Guelich, Robert V.  
 Gullickson, Rollo  
 Gumbinger, Miss Dora  
 Gunderson, Gunnar E.  
 Gunn, Buckingham W.  
 Gunness, Robert C.  
 Gunther, Dr. Meyer S.  
 Gurewitz, Solomon  
 Gurke, Mrs. Florence  
 Gurley, Mrs. Fred G.  
 Gurvey, Harry E.  
 Gustus, Dr. Edwin L.  
 Guttosch, Rudolph J.  
 Guzik, Mathew R.  
 Gwinn, H. C.  
 Gwinn, Dr. R. P.  
 Haaksma, Wallace H.  
 Haas, Howard  
 Haberman, Morton  
 Hachtman, George E.  
 Hackett, Joseph J.  
 Haebich, Dr. Arthur T.  
 Haefner, Col. Earl W.  
 Haerther, W. W.  
 Haessly, Dr. Marvin M.  
 Hafner, Andre B.  
 Hagedorn, William R.  
 Hagey, Harry H., Jr.  
 Hagey, J. F.  
 Hahn, Bernard J.  
 Hahn, Mrs. Dorothy  
     Ulrich  
 Haider, Donald H.  
 Haigh, Arthur H.  
 Haigh, D. S.  
 Haight, Edward A.  
 Haines, Charles J.  
 Haines, Walter  
 Hajduk, Dr. J. M.  
 Hakanen, Paul A.  
 Hakanson, Richard  
 Hakenjos, Miss Sophia F.  
 Hale, Edwin A.  
 Hale, John B.  
 Haley, James F.  
 Halfpenny, Harold  
 Hall, Arthur B.  
 Hall, Clifford F.  
 Hall, Graham  
 Hall, Harry  
 Hall, Harry C.  
 Hall, Miss Helen  
 Hall, John L.  
 Halla, Mrs. Joseph, Jr.  
 Hallberg, Parker  
     Franklin  
 Halleen, Harold P.  
 Haller, Louis P.  
 Hallihan, Edward E.  
 Hallmann, Ernest H.  
 Halper, Dr. Louis  
 Halvorson, Harold L.  
 Ham, Mrs. Harold  
 Hambleton, Chalkley J.  
 Hamill, Mrs. Robert W.  
 Hamilton, Andrew C.  
 Hamilton, Mrs.  
     Gurdon H.  
 Hamilton, Mrs. John  
 Hamilton, Lamont  
 Hamilton, Stuart  
 Hammerman, Jerome  
 Hammond, James W.  
 Hammond, L. F.  
 Hamper, Sidney C.  
 Hampson, Philip  
 Hank, John J.  
 Hanley, R. Emmett  
 Hanley, Vincent J.  
 Hanlon, Robert T.  
 Hanna, John C.  
 Hannaford, Miss  
     Mildred L.  
 Hannibal, Donald V.  
 Hannon, James J.  
 Hansen, Mrs. C. E.  
 Hansen, Donald W.  
 Hansen, James  
 Hansmann, Mrs. Elwood  
 Hansmann, Henry B.  
 Hanson, Fred B.  
 Hanson, Mrs. George  
 Hanson, J. L.  
 Hanson, Robert F.  
 Harbaugh, Watson D.  
 Harden, Clyde, Jr.  
 Hardies, Melvin A.  
 Harding, Frank  
 Harding, Harold R.  
 Harding, William H.  
 Hardwicke, Harry  
 Hardy, Charles L.  
 Hardy, Mrs. Edward K.  
 Hardy, Julian H.  
 Hargrave, Homer P.  
 Harig, Karl  
 Harkness, Mrs. Samuel,  
     Jr.  
 Harley, Theodore H.  
 Harlow, Miss Johnnie  
 Harland, Mrs. D. Foster  
 Harper, H. Mitchell  
 Harper, Harry H.

ANNUAL MEMBERS (CONTINUED)

- Harper, Paul C.  
 Harper, Mrs. Paul V.  
 Harper, Philip S.  
 Harper, Mrs. Philip S.  
 Harper, Philip S., Jr.  
 Harrington, J. J., Jr.  
 Harrington, John  
 Harris, Benjamin R.  
 Harris, Chauncey D.  
 Harris, Harold  
 Harris, Irving B.  
 Harris, Thomas J.  
 Harrison, Earle  
 Harrison, Dr. R. Wendell  
 Harrison, Solomon E.  
 Harrison, William H., Jr.  
 Harrow, Joseph  
 Hart, Mrs. Augustin S.  
 Hart, Chester C.  
 Hart, Henry A.  
 Hart, Herbert L.  
 Hart, L. Edward  
 Hart, Mrs. H. G.  
 Hart, Miss Marguerite D.  
 Harte, William J.  
 Hartenfeld, Myron  
 Harter, Dr. J. A.  
 Hartigan, Miss Catherine  
 Hartigan, L. J.  
 Hartman, Mrs. Irvin H.  
 Hartman, Milton C.  
 Hartung, Miss  
     Elizabeth M.  
 Harty, Richard B.  
 Hartz, Dr. Wilson H., Jr.  
 Harvey, Emmett C.  
 Harvey, Com. Norman C.  
 Harwood, Donald  
 Harwood, Robert I.  
 Hasler, Mrs. Edward L.  
 Hassel, Mrs. Henry C.  
 Hasselbacher, H. H.  
 Hassen, Samuel  
 Hassinger, Dent  
 Hassmer, Joseph L.  
 Hatcher, Dr. David B.  
 Hatfield, W. A.  
 Hauck, Cornelius J.  
 Haugan, Charles M.  
 Hauge, Clarence  
 Hauger, R. H.  
 Hauser, William G.  
 Hausler, Mrs. M. G., Jr.  
 Hausner, Robert Otto  
 Havey, Robert W.  
 Hawkins, Kenneth B.  
 Hawley, F. W., Jr.  
 Hawrysz, Walter  
 Hay, Lawrence J.  
 Hayd, Michael  
 Hayes, Daniel T.  
 Hayes, David J. A., Jr.  
 Hayes, Mrs. Edith C.  
 Hayes, Edward G.  
 Hayes, James F.  
 Haynes, Charles Webster  
 Haynes, Gideon, Jr.  
 Hayley, Lewis Y. L.  
 Haynie, Miss Nellie V.  
 Haynie, R. G.  
 Hazel, B. F.  
 Hazel, Dr. George R.  
 Head, Russell N.  
 Healy, Charles L.  
 Heath, James E.  
 Heath, William O.  
 Hebenstreit, Dr. K. J.  
 Hebenstreit, Mrs. K. J.  
 Heckel, Edmund P., Jr.  
 Heddens, John W.  
 Hedeem, Ernest W., Jr.  
 Hedeem, Dr. Robert A.  
 Hedges, Dr. Robert N.,  
     Sr.  
 Hedges, Dr. Robert N.,  
     Jr.  
 Hedrich, Mrs. Otto H.  
 Hefner, Dr. Donald J.  
 Heidemann, Herbert E.  
 Heifetz, Samuel  
 Heikes, Neil E.  
 Hein, Leonard W.  
 Heinekamp, Raymond A.  
 Heinenman, Ben W.  
 Heinen, Dr. J. Henry, Jr.  
 Heinsimer, W. R.  
 Heinze, Mrs.  
     Bessie Neuberg  
 Heirich, Bruneau E.  
 Helgason, Arni  
 Hellerick, Leonard P.  
 Hellman, Milton E.  
 Helmer, Hugh J.  
 Helmick, Lawrence J.  
 Hemb, D. M.  
 Hemery, Mrs. Jack L.  
 Hemphill, Luther D.  
 Henderson, B. E.  
 Heniken, Graham E.  
 Henke, Henry J.  
 Henkle, Herman H.  
 Henner, Mrs. Robert  
 Henner, William Edward  
 Henningsen, Jack  
 Henri, W. B.  
 Henriksen, H. M.  
 Henriksen, Kai  
 Henry, C. Wolcott, Jr.  
 Henry, Dr. James W.  
 Hensley, Mrs. Stuart K.  
 Hepburn, J. W.  
 Heras, Miss Elva  
 Herbert, W. T.  
 Herdrich, Ralph C.  
 Herkes, S. R.  
 Herman, Maurice  
 Herman, Sol W.  
 Hernandez, Nicholas M.,  
     Jr.  
 Herold, Lloyd G.  
 Herrick, Walter D.  
 Herring, H. B.  
 Herrschner, Frederick  
 Hersey, James R.  
 Hersh, Charles K.  
 Herst, Perry S., Jr.  
 Hess, Sidney J., Jr.  
 Hesselstine, Dr. H. Close  
 Hetreed, Dr. Francis W.  
 Hewes, Mrs. W. F.  
 Heyne, Norman E.  
 Heywood, Mrs. O. C.  
 Hickey, Frank E.  
 Hickey, Mrs. Lawrence  
 Hicks, Thomas D.  
 Higbee, Robert F.  
 Higdon, Harry J.  
 Higginbotham, William B.  
 Higgins, Collin O.  
 Higgins, Russell G.  
 Highstone, Mrs.  
     William H.  
 Hikawa, Richard K.  
 Hilborn, John T.  
 Hileman, Ronald L.  
 Hilf, J. Homer  
 Hilkevitch, Dr.  
     Benjamin H.  
 Hill, Charles W.  
 Hill, Mrs. Cyrus G.  
 Hill, Herbert L.  
 Hill, Hoyt S.  
 Hill, James J.  
 Hills, George B., Jr.  
 Hills, Thomas M.  
 Hiller, Rembrandt C., Jr.  
 Hillmer, Miss Louise  
 Hime, Horace C.  
 Hinch, H. George  
 Hindmarch, Alan  
 Hine, Clarke F.  
 Hines, Mrs. Clarence W.  
 Hingson, George D.  
 Hinko, Michael  
 Hinman, Burton, Jr.  
 Hinshaw, Joseph H.  
 Hirsch, Erich  
 Hirsch, Dr. Lawrence L.  
 Hirsch, Samuel  
 Hirsh, Herbert W.  
 Hirsh, Morris  
 Hitsu, R. M.  
 Hix, Miss Elsie

ANNUAL MEMBERS (CONTINUED)

- Hixson, Hebron  
Hjermstad, H. U.  
Hlad, Harold D.  
Hoag, Dr. Walter C.  
Hoage, Earl W.  
Hoagland, Miss Helen  
Hoban, Dr. Eugene T.  
Hobscheid, Fred J.  
Hobson, Richard  
Hochberg, Jerome J.  
Hochfeldt, William F.  
Hocking, Charles H.  
Hockman, Miss  
    Miriam L.  
Hodges, Colonel Duncan  
Hodgkins, William P., Jr.  
Hodlmair, Charles A.  
Hoefler, A. J.  
Hoehler, Fred K.  
Hoekelman, Harold  
Hoell, Frank H.  
Hoellen, John J.  
Hoeltgen, Dr.  
    Maurice M.  
Hoermann, John W.  
Hofeld, Edwin A.  
Hofgren, Axel A.  
Hoffman, A. C.  
Hoffmann, Clarence  
Hoffmann, Miss E.  
    Gertrud  
Hoffmann, Miss Ruth L.  
Hofstetter, Charles A.  
Hogenson, William  
Hogquist, Mrs. Mary  
Hogsten, Mrs. Yngve  
Hohbaum, Mrs. Rosa M.  
Hohman, Dr. Ned U.  
Hokenson, Gustave  
Hokin, Barney E.  
Holabird, William  
Holcomb, H. H., III  
Holcomb, Mrs. R. R.  
Holcombe, Mrs. Stuart K.  
Holden, Harold M.  
Holland, Arthur M.  
Holland, Daniel E.  
Holland, Harry J.  
Holland, Lewis J.  
Holland, Morris Z.  
Hollander, Alvin B.  
Hollander, Jack  
Hollender, Dr. S. S.  
Holleran, L. F.  
Hollerbach, Joseph  
Holliday, Preston H.  
Hollinger, Mrs. Theda M.  
Hollingsworth, Thomas  
Hollis, Raymond  
Hollis, Dr. Robert H.  
Hollobow, Irving E.  
Holloman, L. C., Jr.  
Holmes, John B.  
Holmes, John S.  
Holmes, R. W.  
Holson, Evar W.  
Holt, Dr. Helen  
Holub, John  
Holubow, Harry  
Homan, Mrs. Hubert A.,  
    Jr.  
Homan, Joseph  
Honor, Dr. Harold L.  
Hooper, A. F.  
Hooper, Walter P.  
Hoover, James C.  
Hopfear, Dr. D. A.  
Hopkins, John L.  
Hopkins, Raymond  
Horak, Joseph E.  
Hord, Stephen Y.  
Horner, Dr. Imre E.  
Hornthal, William J.  
Horrell, Frank J.  
Horstman, James A.  
Horton, Mrs. Arthur  
Horton, Warren C.  
Horwich, Herbert F.  
Horwich, Philip  
Horwitz, Samuel C.  
Houchins, Charles W.  
Houda, Dr. Leonard J.  
Houston, J. C., Jr.  
Howard, John K.  
Howard, Philip L.  
Howe, Walter L.  
Howe, William J.  
Howington, Robert P.  
Howlett, Mrs. Michael J.  
Hoyt, N. Landon, Jr.  
Huber, Dr. Earl B.  
Huber, H. Dana  
Huddleston, J. W.  
Hudson, George L.  
Hudson, H. Kenneth  
Huebner, Joseph A.  
Hughes, Dr. Charles W.  
Hughes, Robert D.  
Huguelet, Robert J.  
Huizinga, A. T.  
Hullsiek, William L.  
Hulman, Harry L.  
Humm, Joseph  
Hummel, Mrs. Fred E.  
Hummel, J. W.  
Hummer, William B.  
Humphrey, Eugene X.  
Humphrey, Mrs. H. D.  
Humphrey, Robert C.  
Humphreys, J. Ross  
Humphreys, Robert E.  
Huncke, Miss Ada  
Hungerford, Becher W.  
Hunt, Jerry J.  
Hunt, Michael  
Hunter, Charles J.  
Hunter, E. R.  
Hunter, J. N.  
Hurley, G. B.  
Hurst, Miss Mercedes  
Huston, Mrs. Charles E.  
Hutcheson, M. F.  
Hutchings, Harold E.  
Hutchings, John A.  
Hutchins, Chauncey K.  
Hyde, Milton E.  
Hyde, Mrs. Willis O.  
Hyer, W. G. T.  
Hyman, Henry F.  
Hyman, Harold  
Igasaki, Masao, Jr.  
Impey, Charles E.  
Indelli, William A.  
Inger, Jacob  
Ingeman, Robert L.  
Insolia, James V.  
Interlandi, Dr. Joseph  
Ireland, Robert  
Ireneus, Dr. Carl, Jr.  
Irey, Miss Margot  
Irons, Dr. Edwin N.  
Irons, Robert B.  
Irwin, John C.  
Irwin, A. J.  
Isaac, Eric  
Isaacs, Edgar E.  
Isaacs, Dr. Harry J.  
Isaacs, T. J.  
Isaacson, Herbert  
Isett, G. Richard  
Israelstam, Alfred W.  
Iversen, Lee  
Ives, Robert W.  
Izui, Dr. Victor  
Jablonsky, Anthony J.  
Jack, Martin L.  
Jacker, David  
Jacker, Norbert S.  
Jackman, Warren  
Jackson, Harold  
Jackson, Mrs. Osmond A.  
Jackson, R. W.  
Jacobi, Frank C.  
Jacobs, Miss Barbara  
Jacobs, Ben  
Jacobs, E. G.  
Jacobs, Harry  
Jacobs, Maurice H.  
Jacobs, Robert J.  
Jacobsen, C. E.  
Jacobshagen, Alfred

ANNUAL MEMBERS (CONTINUED)

- Jacobson, Evans M.  
 Jacobson, Harold L.  
 Jacobson, S. P.  
 Jaffe, Harry  
 Jaffe, Julius C.  
 Jaffe, Louis  
 Jaicks, Frederick S.  
 James, Miss Alice  
 James, Miss Gladys  
 James, Russell B.  
 Janes, Otto  
 Janis, Robert F.  
 Jansen, Bruce  
 Jansen, Walter  
 Januchowski, E. D.  
 Jarecki, Mrs. Robert A.  
 Jarrow, Stanley L.  
 Jay, Richard H.  
 Jecha, Irwin  
 Jeffris, Rufus R.  
 Jehn, Mark  
 Jenkins, Evan  
 Jenner, Albert E., Jr.  
 Jenner, Mrs. H. B.  
 Jennings, B. J.  
 Jennings, Mrs.  
     James W.  
 Jensen, George B.  
 Jensen, Harald, Jr.  
 Jensen, Henry J.  
 Jensen, James A.  
 Jetter, William E.  
 Jiede, Edward  
 Jobe, E. C.  
 Joffe, M. H.  
 Johns, George G., Jr.  
 Johnson, Miss Agnes E.  
 Johnson, D. Gale  
 Johnson, Carl H.  
 Johnson, Miss  
     Donna Lee  
 Johnson, Mrs.  
     Doris Hurtig  
 Johnson, Edmund G.  
 Johnson, Edward L.  
 Johnson, Emil T.  
 Johnson, Everett C.  
 Johnson, George F.  
 Johnson, Harry G.  
 Johnson, Henry A.  
 Johnson, Iver C.  
 Johnson, James P.  
 Johnson, Miss Janice C.  
 Johnson, Mrs. Mabel S.  
 Johnson, Peter W.  
 Johnson, R. C.  
 Johnson, R. W.  
 Johnson, Ray Prescott  
 Johnson, Robert E.  
 Johnson, Robert K.  
 Johnson, Sidney R.
- Johnson, Wesley R.  
 Johnston, A. J.  
 Johnston, Mrs. John M.  
 Johnston, Leith  
 Johnston, Logan T., Jr.  
 Johnston, Thomas G.  
 Jolls, Thomas H.  
 Jones, Clark H.  
 Jones, E. Willis  
 Jones, George R.  
 Jones, James F.  
 Jones, Kenneth A.  
 Jones, Loring M.  
 Jones, Owen Barton  
 Jones, Vaughn M.  
 Jordan, Dr. John W.  
 Jordan, W. Beaumont  
 Jordon, Castle W.  
 Joseph, Dr. Paul  
 Jospay, Mrs. Sheldon  
 Jost, William  
 Joy, Eugene P., Jr.  
 Joyce, Robert E.  
 Juhre, Russell H.  
 Juley, John  
 Jung, C. C.  
 Junkunc, B. B.  
 Jurczak, Dennis Michael  
 Jurica, Rev. Hilary S.  
 Juron, Marvin
- Kachigian, Michael M.  
 Kahn, Nat M.  
 Kahoun, John A.  
 Kaine, Eugene D.  
 Kaiser, Carl A.  
 Kaiser, Robert  
 Kalcheim, Henry A.  
 Kaleta, Charles J.  
 Kalish, J. Barton  
 Kallick, Joseph M.  
 Kalnin, Jacob  
 Kamin, Alfred  
 Kaminski, Dr. M. V.  
 Kammholz, T. C.  
 Kandlik, Edward A.  
 Kane, George H.  
 Kane, Mrs. Marion O.  
 Kanelos, Frank S.  
 Kaner, Leo L.  
 Kannapell, Jack E., Jr.  
 Kanter, Dr. Aaron E.  
 Kanter, Melvin  
 Kaplan, Alvin L.  
 Kaplan, Mrs. Frank  
 Kaplan, Harvey  
 Kaplan, John  
 Kaplan, Mrs. Julius F.  
 Kaplan, Dr. Lawrence  
 Kaplan, Samuel  
 Kapnick, Harvey E., Jr.
- Kapov, Anthony F.  
 Karacic, Thomas J.  
 Karafotias, Christ  
 Karasik, Sidney Z.  
 Karlin, Daniel  
 Karlin, Irving M.  
 Karlin, Leo S.  
 Karlin, Leonard  
 Karlin, Norman  
 Karstens, James W.  
 Kart, Eugene  
 Katz, Alan D.  
 Katz, Bernard  
 Katz, Edwin M.  
 Katz, Mrs. Harold A.  
 Katz, Miss Jessie  
 Katz, Meyer  
 Katz, Norman  
 Katzin, Samuel N.  
 Kaufman, Daniel D.  
 Kaufman, Miss Francis J.  
 Kaufmann, Fred R., Jr.  
 Kaulas, Joseph  
 Kausel, John F.  
 Kawabata, S.  
 Kayser, Victor P.  
 Kearney, E. L.  
 Kearney, Marshall V.  
 Kearney, William P.  
 Keating, Edward  
 Keator, Harry F., Jr.  
 Keck, George  
 Keck, Richard B.  
 Keck, Dr. W. L.  
 Kedzie, Daniel P.  
 Keebler,  
     Miss Florence M.  
 Keefe, John F.  
 Keehn, Mrs. Leroy  
 Keeler, Carl R., Jr.  
 Keister, G. E.  
 Keith, David L.  
 Keith, Elbridge  
 Keller, Harry F.  
 Keller, M. J.  
 Kelley, Alfred J.  
 Kelley, Elijah B.  
 Kellogg, James G.  
 Kellogg, John Payne  
 Kelly, Clyde  
 Kelly, Dr. Frank B.  
 Kelly, Frank S.  
 Kelly, George Gilman  
 Kelly, J. Edgar  
 Kelly, John E., Jr.  
 Kelly, John J., Jr.  
 Kelly, William D.  
 Kemel, Mrs. Margaret P.  
 Kemp, Miss Ola  
 Kemp, Richard B.  
 Kemp, Wallace B.

ANNUAL MEMBERS (CONTINUED)

- Kemper, Mrs. Malcolm  
 Kendall, Claude  
 Kendall, G. R.  
 Kennedy, Mrs. Ardis M.  
 Kennedy, James W.  
 Kennedy, Mrs. Joseph C.  
 Kennedy, Richard L., Jr.  
 Kennel, William E.  
 Kenyon, Dr. A. T.  
 Kepecs, Dr. Joseph  
 Keranen, George M.  
 Kern, George H.  
 Kerpec, Miss Susan  
 Kerr, Leslie H.  
 Kerr, William D.  
 Kerrigan, W.  
 Kesler, Howard F.  
 Kesler, Dr. R. L.  
 Kesses, Rev. Niketas  
 Kessler, Ben H.  
 Kettel, Dr. Louis John  
 Ketting, Howard B.  
 Kettner, K. J.  
 Keyser, Clell W.  
 Kiddoo, Guy C.  
 Kieffer, Ralph C.  
 Kight, Robert F.  
 Kihlstrum, Elmer E.  
 Kilcullen, Edwin J.  
 Kiley, Francis T.  
 Killen, Mrs. Joan  
 Kimball, Charles H. G.  
 Kimball, Kenneth J.  
 Kimball, Ronald M.  
 Kincannon, Jack F.  
 Kincheloe, Samuel C.  
 Kindahl, John O.  
 King, Dale E.  
 King, Forest A.  
 King, H. R.  
 King, Lynwood B., Jr.  
 King, Robert H.  
 King, Warren J.  
 King, Willard L.  
 Kingham, J. J.  
 Kinne, Harry C., Sr.  
 Kinsella, Mrs. John H.  
 Kipnis, Daniel D.  
 Kipper, Walter C.  
 Kirby, Dr. William  
 Kirkland, William S.  
 Kirschbaum, Irving H.  
 Kirschbaum, George A.  
 Kirson, Leonard  
 Kissock, John R.  
 Kittleson, Dr. K. D.  
 Kiven, Norman M.  
 Kjelstrom, Paul C.  
 Klauer, Verne  
 Kleeman, Richard E.  
 Klehm, Howard G.  
 Klein, Dr. David  
 Klein, Dr. Ernest L.  
 Klein, Dr. Erwin  
 Klein, Richard  
 Kleinstein, Walter H.  
 Klemperer, Leo A.  
 Klepak, John J.  
 Klicar, Mrs. Frank G.  
 Klikun, Z. P.  
 Klinger, Dr. Alfred D.  
 Klontz, Kenneth V.  
 Klooster, Howard H.  
 Kneibler, Mrs. Arthur R.  
 Kneip, Elmer W.  
 Knoebel, Mrs. Walter H.  
 Knorr, Amos K.  
 Knott, Lawrence T.  
 Knowles, D. H.  
 Knudsen, Glenn M.  
 Knuepfer, C. A.  
 Kobrin, Mrs. Robert R.  
 Kodros, Dr. Andreas G.  
 Koehn, Carl W.  
 Koehnemann, Renard A.  
 Koff, Dr. Robert H.  
 Kogut, Walter  
 Kohler, Robert W.  
 Kohn, Le Roy L.  
 Kohn, Louis  
 Kohn, Mrs. Sylvan  
 Kolarik, Frank J.  
 Kolflat, Alf  
 Komie, Lowell B.  
 Koplín, Mrs. Harry  
 Koppelman, Dr. Ray  
 Koranda, Hugo  
 Kordsiemon, William M.  
 Koretz, Edgar E.  
 Koretz, Robert J.  
 Korn, Bernard M.  
 Korschot, Benjamin C.  
 Korshak, Marshall  
 Korshak, Saul  
 Korsvik, W. J.  
 Kos, Victor A.  
 Kosdon, A.  
 Kosterlitz, Mrs. S.  
 Kot, Henry C.  
 Kotas, Rudolph J.  
 Kovalick, W. W.  
 Kraft, Florian R.  
 Kraft, Maurice M.  
 Kraft, Ralph B.  
 Krag, Franz K.  
 Kramer, Harry G., Jr.  
 Kramer, Mrs. L. A.  
 Kramer, L. H.  
 Kramer, Melvin A.  
 Kramer, Robert  
 Krane, Leonard J.  
 Krasner, David P.  
 Krattebol, A. Marshall  
 Kraus, Mrs. Esther S.  
 Krause, Adolph  
 Krause, Miss Pearl  
 Krebs, D. F.  
 Kreer, Henry B.  
 Kreger, Leona A.  
 Krehl, Rico B.  
 Kremer,  
     Miss Jeannette G.  
 Krensky, Arthur M.  
 Kreuger, C. W.  
 Kriel, Miss Lucille  
 Kriewitz, Harry C.  
 Krimsin, Leonard  
 Kríngel, Leon H.  
 Krinsley, Lazarus  
 Kritchewsky, Jerome  
 Kroeschell, Mrs. Roy  
 Kroll, Harry  
 Krueger, Roy H.  
 Krumdieck, Leo  
 Krupp, David J.  
 Kruskal, William  
 Krzeminski, Stanley J.  
 Kuchar, Mrs. Marie  
 Kuechmann, A. M.  
 Kuehne, E. Richard  
 Kuhajek, Eugene J.  
 Kuhnén, C. W.  
 Kuhnen, Mrs. George H.  
 Kuhns, Mrs. H. B.  
 Kullyb, Roy S.  
 Kullman, Mrs. Alfred  
 Kullman, F. H., Jr.  
 Kupcínét, Irv  
 Kupfer, Dr. Ernest B.  
 Kurtz, George H.  
 Kurz, Walter C.  
 Kurzka, Keith F.  
 Kushell, Charles J.  
 Kushner, Dr. Abraham  
 Kusswurm, Armin H.  
 Kuta, Stanley J.  
 Kutner, Luis  
 Lachman, Harold  
 Ladany, William  
 Ladd, Joseph C.  
 Laegeler, J. C., Jr.  
 La Fortune,  
     Mrs. Louis A.  
 Lage, Gerald E.  
 Lagerstedt, John H.  
 Laggren, Mrs. Robert I.  
 Laidlaw, John, Jr.  
 Laird, Kenneth  
 Lamb, M. J., Jr.  
 Lampe, J. B.  
 Lampert, Walter W.  
 Lance, O. C.

ANNUAL MEMBERS (CONTINUED)

- Landahl, Mrs. Herbert D.  
 Landau, S. J.  
 Landis, Eugene  
 Landis,  
     Mrs. Maurice N.  
 Lane, George A.  
 Langan, Harley B.  
 Lange, Otto H.  
 Langford, Joseph P.  
 Langworthy, Jack N.  
 Lanterman, Joseph B.  
 Larcher, Dr. Val  
 Larkin, J. D.  
 Larmee, Donald H.  
 Larson, Elmer W.  
 Larson, Simon P.  
 LaRue, Victor E.  
 Lasch, Charles F.  
 Lash, Dr. A. F.  
 Lasher, Willard K.  
 Lau, Mrs. M. K.  
 Lauder, T. E.  
 Laurion, J. L.  
 Lauth, Fred P.  
 Lavezzorio, John M.  
 Law, Mrs. Fred Edward  
 Law, M. A.  
 Lawrence, Dr. Charles H.  
 Laws, Theodore H.  
 Lazar, Buryl J.  
 Lazarski, Ben R.  
 Lazzaro, Paul  
 Leach, T. Royce  
 Leander, Russell J.  
 Le Beau, Carter N.  
 Le Beau, Jack T.  
 Le Boy, T.  
 Lechler, E. Fred  
 Leck, Walter C.  
 Le Comte, A. John  
 Ledbetter, James L.  
 Ledger, Edward J., Jr.  
 Lee, Mrs. Agnes  
 Lee, Bernard F.  
 Lee, Bertram Z.  
 Lee, Mrs. Raymond E.  
 Leedy, Dr. Haldon A.  
 Leeper, Harold B., Jr.  
 Leffler, F. O.  
 Le Goff, Montgomery  
 Lehecka, Clarence J.  
 Lehman, Lloyd W.  
 Lehmann, Robert O.  
 LeHockey, D. M.  
 Leibhardt, Mrs. Maida  
 Leigh, Kenneth G.  
 Leighton, Mrs. Arthur J.  
 Leighton, Robert  
 Lekis, Robert H.  
 Lemer, Benjamin  
 Lenon, Richard A.  
 Lensing, Edward C., Jr.  
 Lentz, Dr. Roland G.  
 Leonard, Mrs. Ray W.  
 Leopold, Herbert R.  
 Leopold, Robert L.  
 LeRoy, Dr. George V.  
 Lesch, John F.  
 Lesinski, Irwin B.  
 Leslie, Conrad  
 Leslie, Orren S.  
 Lesparre, James N.  
 Lester, Mrs. Robert  
 Levatino, Jerome J.  
 Levin, Lawrence  
 Levine, William  
 Levine, William D.  
 Levinson, Julius Y.  
 Levitan, Moses  
 Levy, Bennett S.  
 Levy, Jacob  
 Lewis, Edward J.  
 Lewis, Harold W.  
 Lewis, Louis J.  
 Lewis, Marshall  
 Lewis, M. E.  
 Lewis, Thomas A.  
 Lewis, W. Wilson  
 Lieb, Jack H.  
 Lieber, Maury J.  
 Lieber, Philip A.  
 Liechty, G. Frederick  
 Lifvendahl, Dr.  
     Richard A.  
 Lill, George, II  
 Lilliander, Ernest E.  
 Limarzi, Dr. Louis R.  
 Lind, Paul B. N.  
 Lindberg, Donald F.  
 Lindgren, Erik A.  
 Lindquist, A. J.  
 Lindquist, Howard G.  
 Lindsley, A. J.  
 Lineberry, Fred C.  
 Link, Wendell H.  
 Lippincott, R. R.  
 Liss, Mrs. Sarah G.  
 List, Stuart  
 Liston, Thomas P.  
 Liszka, Stanley J.  
 Litschgi, Dr. J. J.  
 Litsinger, Fred G.  
 Little, G. P.  
 Littman, Benson  
 Livermore, Charles P.  
 Livezey, Mrs. K. Trees  
 Livingood, Mrs. John J.  
 Llewellyn, Karl N.  
 Lloyd, Carl S.  
 Lloyd, G. Blair  
 Lloyd, Georgia  
 Lloyd, Thomas J.  
 Locke, Edwin A., Jr.  
 Lockwood, Mrs.  
     Maurice H.  
 Loeb, Herbert A., Jr.  
 Loeb, Theodore R.  
 Loebe, Edward E.  
 Loebel, Clarence J.  
 Loeffler, Julius  
 Loewenstein, Mrs. Sidney  
 Loftus, Jack  
 Logan, James E.  
 Logelin, Edward C.  
 Logeman, Mrs. John III  
 Long, H. Dale  
 Long, Marshall R.  
 Loomis, Miss Marie  
 Looney, Charles C.  
 Loose, Arthur J.  
 Lopina, Lawrence T.  
 Lorant, B. H.  
 Loughead, Miss Ruth  
 Loughlin, Sydney  
 Loughnane, John P.  
 Love, John T.  
 Love, H. Norris  
 Love, Harold  
 Loventhal, William G.  
 Loverde, Dr. Albert A.  
 Lowden, James E.  
 Lowe, Dr. Edmund W.  
 Lowe, Rev. Leonard H.  
 Lowy, Walter H.  
 Luce, Richard  
 Luckow, Russell Q.  
 Lueders, Ralph J.  
 Lufkin, Miss Bernardine  
 Luft, John L.  
 Luick, Mrs. D. J.  
 Lund, Bjarne, Jr.  
 Lunde, Marvin C.  
 Lundgren, Sten J.  
 Luotto, Stefano  
 Lupfer, William B.  
 Lurie, Howard J.  
 Lurie, S. C.  
 Lusk, Miss Helen  
 Luskin, Bert L.  
 Lutterbeck, Dr.  
     Eugene F.  
 Lydon, Eugene K.  
 Lyman, Henry H., Jr.  
 Lynch, Richard  
 Lynch, William  
 Lynch, Miss Zoe D.  
 Lynn, Chester B.  
 Lynn, Mrs. Robert H.  
 Lyon, Mrs. Jeneva A.  
 Lyon, Dr. Samuel S.  
 Lyons, Michael H.  
 Lyons, Richard H.

ANNUAL MEMBERS (CONTINUED)

MacArthur, Roger  
 MacChesney, Mrs.  
     Brunson  
 Macdonald, Angus  
 MacDonald, H. E.  
 MacFall, Russell P.  
 MacFarland, Hays  
 Macholz,  
     Reverend Ignatius  
 Maciunas, Dr. A.  
 Mack, Edward E., Jr.  
 Mack, Herbert  
 Mack, John J.  
 Mack, Dr. Ronald B.  
 Mackay, Kenneth B.  
 Mackel, Dr. Audley M.  
 MacKenzie, David O.  
 MacKenzie, William J.  
 MacKinnon,  
     Mrs. Cyrus L.  
 MacKrell, F. C.  
 MacLeod, Albert H.  
 MacNamee, Merrill W.  
 MacPhee, Paul A.  
 MacRae, Robert H.  
 Macomb, J. deNavarre  
 Madden, Francis J.  
 Madden, Mrs. Margaret  
 Madden, Robert J.  
 Madderom, Ray A.  
 Madson, Stanford A.  
 Maduff, Sidney  
 Magers, Donald D.  
 Magill, Miss Hallie  
 Magill, John  
 Magnuson, Hugo E.  
 Mahon, D. Lee  
 Main, Charles O.  
 Maino, N. L.  
 Maisel, Jack W.  
 Majerus, Paul W.  
 Majonnier, John J.  
 Major, Frank A.  
 Malato, Stephen A.  
 Malden, Samuel  
 Malen, Samuel  
 Malone, John L.  
 Mamby, Dr. Audley R.  
 Mandel, Sidney W.  
 Mangler, Fred J.  
 Mangler, Robert J.  
 Mango, Joseph R.  
 Mann, Douglass L.  
 Mann, Donald N.  
 Mann, Dr. Philip  
 Mann, Robert E.  
 Manning, Dr. John J.  
 Mannion, John F.  
 Manthey, Will E.  
 Manz, Mrs. George R.  
 Mapp, Eugene T.  
 Maranz, Leo S.  
 Marcellus, E. F.  
 Marchetti, Mrs. Alfred  
 Marcin, Mrs. Anthony  
 Marcus, H. L.  
 Marcus, Jules A.  
 Marcus, Maurice  
 Marcus, Dr. Richard E.  
 Mardorf, Miss Mae F.  
 Margolis, Dr.  
     Bernard S.  
 Mark, William B.  
 Markey, Howard T.  
 Markle, Mathew G.  
 Markley, Don G.  
 Markman, Simeon K.  
 Marks, Ira G.  
 Marks, Melvin C.  
 Marks, Stanford D.  
 Markus, Henry A.  
 Marlatte, Robert J.  
 Marley, John L.  
 Marling, Mrs.  
     Franklin, Jr.  
 Marlowe, Dr. John J.  
 Marohn, James A.  
 Marquart, Arthur A.  
 Marquis, Chalmer H.  
 Marron, Dr. James W.  
 Marshall, Benjamin H.  
 Marshall, Charles A.  
 Marshall, Frank G.  
 Marshall, Lee J.  
 Marshall, Prentice H.  
 Marshitz, Miss  
     Grace Elaine  
 Marslek, Emil J.  
 Marsteller, William A.  
 Marston, T. E.  
 Martin, Alvah T.  
 Martin, George S.  
 Martin, Glenn E.  
 Martin, Mrs.  
     Louise C. M.  
 Martineau, Pierre D.  
 Martineau, Robert J.  
 Marwood, R. L.  
 Marx, Milton  
 Marx, Samuel A.  
 Maschgan, Dr. Erich R.  
 Mashek, V. F., Jr.  
 Mason, Dan V.  
 Mason, Mrs. Geri  
 Mass, Marvin L.  
 Masur, Dr. Walter W.  
 Matchett, Hugh M.  
 Mather, Mrs. Robert S.  
 Matera, Dr. Charles R.  
 Mathey, H. C., Jr.  
 Mathieu, Auguste  
 Matson, H. M.  
 Matter, Joseph A.  
 Matteson, Edward K.  
 Matthews, Francis E.  
 Matthews, J. H.  
 Matthews, Miss Laura S.  
 Matthias, Walter N.  
 Mattingly, Fred B.  
 Mauer, Dr. William J.  
 Maulin, Ralph H.  
 Mauritz, Waldo  
 Maxon, R. C.  
 Maxwell, John M.  
 Maxwell, W. R.  
 Maxwell, Dr. William L.  
 May, Sol  
 Mayer, Frederick  
 Mayer, Harold M.  
 Mayer, Mrs. Sidney R.  
 Maxson, Raymond D.  
 Maynard, Robert W.  
 McAdams, Edward J.  
 McArthur, Mrs. S. W.  
 McBrady, John W.  
 McCabe, Edward J., Jr.  
 McCaffrey, J. L.  
 McCall, Dr. I. R.  
 McCallister, Frank  
 McCallister, James  
     Maurice  
 McCallister, Ward  
 McCally, Frank D.  
 McCann, Charles J.  
 McCarthy, John F.  
 McCarthy, Mrs.  
     Theris V.  
 McCarthy, Mrs. Vern I.  
 McCarthy, Vern I., Jr.  
 McCloud, Bentley G., Jr.  
 McClow, Lloyd L.  
 McCollum, Giles B.  
 McCormack, Mrs.  
     Thierry L.  
 McCormick, Richard D.  
 McCoy, Charles S.  
 McCoy, George R.  
 McCoy, John L.  
 McCracken, John W.  
 McCracken, Kenneth  
 McCreery, C. L.  
 McCurdy, Frank C.  
 McDermott, H. T.  
 McDermott, William F.  
 McDonald, James T.  
 McDonald, John M.  
 McDonnell, Morgan F.  
 McDonnell, William H.  
 McDougall, Dugald S.  
 McDougall, Mrs.  
     Edward G.  
 McDougall, John A.  
 McDowell, Remick

## ANNUAL MEMBERS (CONTINUED)

- McDowell, Thomas E.  
 McElvain, Clifford A.  
 McEwan, Mrs.  
     Thomas S.  
 McEwen, C. Logan  
 McGarr, Frank J.  
 McGee, Henry W.  
 McGibbon, Edmund L.  
 McGovern, John E., Jr.  
 McGovney, Warren C.  
 McGowan, Carl  
 McGowen, Edward J., Jr.  
 McGrady, J. A.  
 McGraw, Durmont W.  
 McGreevy, Robert J.  
 McGrew, Edwin H.  
 McGuire, Simms D.  
 McIntyre, James  
 McKean, John J.  
 McKenna, Dr. Arthur F.  
 McKinney, William K.  
 McKinsey, Joseph S.  
 McKinzie, William V.  
 McKittrick, William  
     Wood  
 McKnight, Gordon L.  
 McKnight, John F.  
 McKnight, L. G.  
 McKy, Keith B.  
 McLain, Stuart  
 McLaren, Richard W.  
 McLaughlin, James P.  
 McLaughlin, L. B.  
 McLaury, Mrs.  
     Walker G.  
 McLean, Edward C.  
 McLeod, William  
 McMahan, Mrs.  
     Daniel P.  
 McMahan, Miss  
     Dorothy  
 McMahan, Earl J.  
 McMahan, James P.  
 McManus, John A.  
 McNair, Frank  
 McNally, Andrew, III  
 McNamara,  
     Donald McC.  
 McNamara, Thomas P.  
 McNitt, W. C.  
 McNulty, Joseph M.  
 McSurely, Mrs.  
     William H.  
 McTier, Samuel E.  
 McWeeny, Douglas L.  
 Mead, Dr. Irene T.  
 Meador, Miss Geraldine  
     L.  
 Means, Kenneth L.  
 Meccia, D. D.
- Mecklenburger,  
     Mrs. Albert  
 Meeks, Robert G.  
 Megowen, E. J.  
 Mehaffey, Robert V.  
 Meier, Mrs. Florence K.  
 Meine, Franklin J.  
 Meinert, Richard J.  
 Meissner, John F.  
 Melcarek, Dr. T. A.  
 Mele, J. F.  
 Mellinghausen, Parker  
 Mellody, Mrs.  
     Andrew R.  
 Melton, B. H.  
 Meltzer, A. L.  
 Melville, Mrs. R. S.  
 Memmel, Mrs. William E.  
 Menides, Byron  
 Menzner, Mrs.  
     Howard B.  
 Merens, Seymour H.  
 Merrill, Frederick L.  
 Merrill, Raymond K.  
 Mervis, David C.  
 Mervis, Jack N.  
 Mesirow, Abner J.  
 Mesirow, Norman  
 Metcalf, Gordon M.  
 Metcoff, Eli  
 Metelnick, John W.  
 Method, Dr. Harold L.  
 Metz, Jerome L.  
 Meyer, Albert F.  
 Meyer, Mrs. Carl  
 Meyer, Mrs. Clara K.  
 Meyer, Harold W.  
 Meyer, Dr. Karl A.  
 Meyer, L. E.  
 Meyer, Sebastian  
 Meyer, Stanton M.  
 Meyer, Wallace  
 Meyers, David X.  
 Meyers, S. E.  
 Michaels, F. W.  
 Michaels, Joseph M.  
 Michaels, Ralph  
 Michalaros, Demetrios  
 Michels, Henry W., Jr.  
 Middleton, R. Hunter  
 Mjetke, Miss Dorothy  
 Migely, Robert J.  
 Milbrook, A. T.  
 Milburn, James F.  
 Mildren, Miss Sarah E.  
 Millard, A. E.  
 Millard, Mrs. E. L.  
 Miller, Arthur J., Jr.  
 Miller, F. L.  
 Miller, Mrs. Grace  
     Edwards
- Miller, Harold M.  
 Miller, Henry E.  
 Miller, Herbert A.  
 Miller, John E.  
 Miller, Leo A.  
 Miller, M. Glen  
 Miller, Milton T.  
 Miller, Miss Roberta  
 Miller, Miss Ruth  
 Miller, R. W.  
 Miller, Robert H.  
 Miller, Wesley C.  
 Miller, William Bricen, Jr.  
 Miller, William H.  
 Miller, William S.  
 Miller, Mrs. William W.  
 Milligan, Robert L.  
 Milliken, John F.  
 Millington, Dr.  
     George H.  
 Millman, George W.  
 Mills, Irving  
 Mills, Ralph, Jr.  
 Mills, Walter B.  
 Milne, James W.  
 Milner, Robert A.  
 Minns, Elbert W.  
 Mints, Thomas W., Jr.  
 Mintz, Arthur M.  
 Mishlove, Stuart H.  
 Mitchell, Donald H.  
 Mitchell, George  
 Mitchell, John E.  
 Mitchell, John L.  
 Mittleman, Eugene  
 Mix, Clarence E.  
 Moburg, Gerry  
 Moch, Frank J.  
 Moeller, Fred O.  
 Mohl, Arthur F.  
 Mohr, Clarence  
 Mohr, Richard F.  
 Moinichen, Sigfred L.  
 Molina, Dr. Francisco A.  
 Molnar, Charles  
 Mommsen, John C.  
 Monsen, Myron T.  
 Montana, James S.  
 Montgomery, Mrs. R. C.  
 Mont-Pas, Westley F.  
 Moore, Arthur J.  
 Moore, Edward F.  
 Moore, Dr. E. M.  
 Moore, Harvey K.  
 Moore, Howard P.  
 Moore, Kenneth W.  
 Moore, R. E.  
 Moore, Mrs. Ruth  
 Moorman, Sylvester D.  
 Moran, J. Alfred  
 Moran, John H.



ANNUAL MEMBERS (CONTINUED)

Morava, John H.  
 Moreland, James C.  
 Morey, Albert A.  
 Morgan, Mrs. Carter W.  
 Morgan, Dr. Freda  
 Morgan, G. Walker  
 Morgan, Mark C.  
 Moriarty, M. J., Jr.  
 Morley, Robert T.  
 Moroni, Harry E., Jr.  
 Morris, Milton H.  
 Morrison, Clinton  
 Morrow, Mrs. C. Allen  
 Morrow, James P.  
 Morstadt, Arthur H.  
 Mortensen, Clyde C.  
 Mortenson, Steven M.  
 Mortimer, Charles A.  
 Morton, Howard C.  
 Morton, J. W.  
 Morton, Kenneth  
 Mose, Mrs. Einar H.  
 Moser, Ralph  
 Moss, C. Malcolm  
 Moss, Curtis F.  
 Moss, Jerry  
 Mottek, C. T.  
 Mottier, C. H.  
 Moulder, Dr. Peter V.  
 Moyer, Mrs. Harold E.  
 Mouzakeotis,  
     Dr. Theodore C.  
 Muckley, Robert L.  
 Mueller, Douglas  
 Muenster, William R.  
 Mugg, Charles L.  
 Muldoon, John A., Jr.  
 Mullen, J. Bernard  
 Mullen, J. Bernard, Jr.  
 Mullery, Donald C.  
 Mulligan, George V. R.  
 Mundy, Peter  
 Munnecke, Robert C.  
 Munnecke, Mrs.  
     Wilbur C.  
 Murphy, H. C.  
 Murphy, Howard Dudley  
 Murphy, James P.  
 Murphy, J. P.  
 Murphy, Michael P.  
 Murphy, Stephen M.  
 Murray, Cecil J.  
 Murray, Edwin A.  
 Murray, Dr. William  
     H. T.  
 Musham, William C.  
 Musick, Philip Lee  
 Muss, Joshua A.  
 Mutter, Mathias S.  
 Muzzy, H. Earle  
 Myers, Herbert L.  
 Myers, W. L.  
 Myerson, Raymond K.  
 Nadler, Charles Fenger  
 Naghten, John Mullin  
 Nagy, Dr. Andrew  
 Naser, Charles F.  
 Nash, Mrs. Herbert  
 Natchett, Webster  
 Nathan, Dr. Lester A.  
 Naughton, Dr. Thomas J.  
 Naven, Benjamin S.  
 Nayder, Thomas J.  
 Neal, John W.  
 Nedoss, Dr. H. P.  
 Nechine, Leonard M.  
 Neely, C. W.  
 Neer, Clyde F.  
 Neiberg, Al  
 Neiburger, Herman A.  
 Neigoff, Miss Anne  
 Neisser, Mrs. Walter R.  
 Nellis, Frank Post  
 Nelsen, Clifford D.  
 Nelson, Mrs.  
     Arnold C., Jr.  
 Nelson, Carl J.  
 Nelson, C. E.  
 Nelson, Emerson S.  
 Nelson, Mrs. John Ben  
 Nemeck, Thomas F.  
 Nemerovski, Leo  
 Ness, J. Stanley  
 Nettin, L. H.  
 Neubauer, Floyd T.  
 Neufeld, Dr.  
     Evelyn A. Rinaldo  
 Neukuckatz, John  
 Newberger, Kenneth  
 Newbrough, E. Truett  
 Newburg, C. Frank  
 Newman, Charles H.  
 Newman, Dr. Marcus M.  
 Newton, Ernest L.  
 Newton, Lee Craig  
 Niblick, James F.  
 Nice, Dr. Leonard B.  
 Nichols, Owen H.  
 Nicholson, John W.  
 Niefeld, Dr. Jaye S.  
 Nierman, Leonard G.  
 Nilles, B. P.  
 Nilson, Alfred R.  
 Nilsson, Erik  
 Nippert, Louis  
 Nisen, Charles M.  
 Nisson, Dr. Philip S.  
 Niven, Dr. Charles F.  
 Nixon, Charles A.  
 Noble, Fred G.  
 Noel, Albert E.  
 Noel, Emil  
 Noonan, T. Clifford  
 Noonan, William A., Jr.  
 Noone, John P.  
 Norby, William C.  
 Nordberg, C. A.  
 Nordenburg, Seymour  
 Nork, Theodore J.  
 Norman, Gustave  
 Norris, Mrs. Bruce A.  
 North, William S.  
 Northam, Mrs. Harold K.  
 Northrup, Lorry R.  
 Norton, Mrs. Carl R.  
 Norton, Charles E.  
 Norton, George H., Jr.  
 Norton, Michael J.  
 Nowaczyk, Alfred  
 Nugent, Dr. Oscar B.  
 Nugent, Richard H.  
 Nygren, Henry C.  
 Oakhill, Frederic  
 Oakley, Kenneth E.  
 Oakley, Mrs. Sterling A.  
 O'Bannon, William T.  
 Oberhelman, Dr.  
     Harry A.  
 Oberhuber, Mrs. Anton  
 Oberlander, James C.  
 Obermaier, Mrs.  
     John Burton  
 O'Boyle, C. Robert  
 O'Brien, Dale  
 O'Brien, Dr. Donald E.  
 O'Brien, Donald J.  
 O'Brien, Dr. George F.  
 O'Brien, John J.  
 O'Brien, Mrs.  
     Mae Sexton, Jr.  
 O'Brien, Maurice James  
 O'Brien, P. J.  
 O'Conner, P. K.  
 O'Conner, F. E.  
 O'Conner, John J.  
 O'Conner, Michael J.  
 Odell, Dr. Clarence B.  
 O'Dell, William  
 O'Haire, Harry J.  
 O'Hearn, Dr. James J.  
 O'Keefe, John F.  
 Okerberg, Philip E.  
 Old, Adm. Francis P.  
 O'Leary, Daniel J.  
 Olhausen, Miss Alice  
 Oliver, William S.  
 Ollendorff, Klaus  
 Olmstead, C. V.  
 Olson, Mrs. Amanda C.  
 Olson, C. W., Jr.  
 Olwin, Dr. John H.

## ANNUAL MEMBERS (CONTINUED)

- O'Malley Patrick L.  
 O'Neil, C. Roderick  
 O'Neil, George M.  
 O'Neill, Dr. Eugene J.  
 O'Neill, J. W.  
 Opie, Earle F.  
 Oppenheimer, Paul  
 O'Reilly, Frank E.  
 O'Reilly, R. Patrick  
 Orlikoff, Richard  
 Orner, Mrs. Rhoda  
 Orr, Mrs. Reuben  
 Orschel, A. K.  
 Orstrom, Albert Z.  
 Osborne, Nathan G.  
 Osborne, W. Irving, Jr.  
 Ose, Odale J.  
 Osgood, Stacy W.  
 O'Shaughnessy, James B.  
 O'Shaughnessy, John E.  
 Osmanski,  
     Dr. William T.  
 Osmond, Harvard R.  
 O'Toole, John J.  
 O'Toole, Paul  
 O'Toole, Robert H.  
 Ott, John C.  
 Ottke, Dr. Robert C.  
 Otto, Dr. George H.  
 Otto, Walter C.  
 Ovenu, Dr. Harold  
 Overton, George W., Jr.  
 Owen, John E.  
 Owen, Mrs. Ralph W.  
 Owen, S. C.  
 Owens, Stanley  
 Ozinga, Martin  
  
 Pabich, Mrs. George E.  
 Pacer, T. S.  
 Pachman, Dr. Daniel J.  
 Packard, Miss  
     Emmy Lou  
 Packer, Mrs. Charles W.  
 Padrick, E. B.  
 Page, Mrs. William H., II  
 Pagenkopf, Miss  
     Gertrude  
 Pagenta, Dan  
 Paidar, Mrs. Leonard J.  
 Paisley, W. W.  
 Pakel, John, Sr.  
 Paleczny, C. N.  
 Paley, Mrs. David  
 Pallardy, C. M.  
 Pallasch, B. Michael  
 Palm, Mrs. Ralph D.  
 Palm, Mrs. Stanley F.  
 Palmer, Roland E.  
 Paltzer, Martin  
 Pancoast, Robert L.  
  
 Panerali, Joseph M.  
 Papierniak, Dr. Frank B.  
 Parker, Lee N.  
 Parker, Sam T., Jr.  
 Parkhurst, Marshall M.  
 Parks, Robey  
 Partlow, Charles W.  
 Patten, Harry O.  
 Patterson, M. W.  
 Patterson, W. A.  
 Pattis, S. William  
 Patton, Ralph E.  
 Pattou, Brace  
 Pauker, David H.  
 Paul, Stanley G.  
 Pauley, Clarence O.  
 Paulsen, Richard E.  
 Paulus, Mrs. Max G.  
 Paveza, Charles  
 Payes, William J., Jr.  
 Payne, Ned  
 Payson, Randolph  
 Peabody, Mrs.  
     Stuyvesant, Sr.  
 Pearce, Charles S.  
 Pearl, Ward C., Jr.  
 Pearson, Elmer R.  
 Peck, Miss Constance L.  
 Peck, Mrs. David B. II  
 Peck, David B., III  
 Peck, Nelson C.  
 Peck, Stewart T.  
 Peckler, Dr. David A.  
 Pehrson, Gordon O.  
 Pellettiere, Joseph J.  
 Pelz, William W.  
 Pendexter, J. F.  
 Penn, Kurt G.  
 Penner, Louis L.  
 Penner, Richard J.  
 Penner, Samuel  
 Pennigsdorf, Lutz  
 Pepich, Stephen T.  
 Peregrine, Moore W.  
 Peregrine, Roy I.  
 Perin, Donald W.  
 Perkins, Donald S.  
 Perkins, Fred A.  
 Perkins, M.D., George L.  
 Perkins, John H.  
 Perkins, Lawrence B.  
 Perkins, Mrs. Robert H.  
 Perlitz, Robert H.  
 Perlman, Harold L.  
 Perlman, Harvey  
 Perlstein, Miss Sarah M.  
 Perls, Walter M.  
 Perry, Archie N.  
 Petacque, Max W.  
 Peters, Dr. Albert G.  
 Peters, Tom J.  
  
 Peters, Victor S.  
 Petersen, Carl  
 Peterson, Clifford J.  
 Peterson, C. W.  
 Peterson, Dr. Daniel D.  
 Peterson, David D.  
 Peterson, Eugene A.  
 Peterson, H. R.  
 Peterson, O. C.  
 Peterson, O. Ewald  
 Peterson, Melvin O.  
 Peterson, Richard F.  
 Peterson, Victor H.  
 Petherbridge, Roy E.  
 Petry, Charles J.  
 Pettersen, Jack F.  
 Petty, Dr. David T.  
 Pfarrer, W. H.  
 Pfleger, Frank  
 Phalin, Howard V.  
 Phelps, Miss Elizabeth  
 Phelps, William Henry  
 Philip, James G., Jr.  
 Phillipsborn, Herbert F.  
 Philley, Mrs. W. B.  
 Picha, Edward F.  
 Pick, O. M.  
 Piehl, Melvin W.  
 Pierce, Allen E.  
 Pierce, Berlyn  
 Pierce, Mark E.  
 Pierson, D. Robert  
 Pierson, Robert R.  
 Pieters, Graeme Stewart  
 Pilchard, Elwin S.  
 Pilkington, Thomas A.  
 Pillsbury, Theodore R.  
 Pilot, Dr. I.  
 Pink, Mrs. Harold  
 Pinsof, Philip  
 Pipkin, C. M.  
 Pirofalo, James C.  
 Pirruccello, Dr. Frank W.  
 Pistona, Mrs. Margaret C.  
 Pitt, Gavin A.  
 Plachota, Dr. J. J.  
 Platt, Henry R., Jr.  
 Platt, Nathan M.  
 Platt, Reuvan N.  
 Platt, Sherwood K.  
 Pletsch, George B.  
 Plotnick, Dr. I. Robert  
 Pochter, Irwin P.  
 Poe, Miss Frances  
 Pohl, Dr. Carl M.  
 Polales, John C.  
 Polikoff, Mrs. Barbara  
 Polk, Morris G.  
 Pollack, Sheldon S.  
 Pollock, Miss Dora  
 Pollock, Mrs. Lewis J.

ANNUAL MEMBERS (CONTINUED)

Pontius, Andrew L.  
 Pontius, Mrs. G. V.  
 Pool, E. J.  
 Poole, George A.  
 Poolos, Nick J.  
 Poore, Taylor  
 Pope, J. W.  
 Porter, L. W.  
 Porterfield, Henry A., Jr.  
 Portes, Dr. Caesar  
 Portis, Henry R.  
 Posner, Harry R.  
 Poss, Mark A.  
 Postweiler, William L.  
 Potter, George D.  
 Potter, Charles S.  
 Potts, Dr. Willis J.  
 Powers, Carl J.  
 Powers, John W.  
 Powers, William F.  
 Praeger, Charles H.  
 Pratt, Harold W.  
 Prebensen, Harold J.  
 Preble, Mrs. Robert, Jr.  
 Prellwitz, Miss T. L.  
 Prentice, J. Rockefeller  
 Prentice, Robert  
 Preskill, Alfred W.  
 Press, Robert M.  
 Preston, Mrs. Bradford  
 Preston, Charles D.  
 Price, Mrs. Griswold A.  
 Price, J. H.  
 Price, Miss Mary Ann  
 Priebe, Frank A.  
 Prince, Robert M.  
 Prince, William Wood  
 Prindiville, Frank W.  
 Pritchard, N. H.  
 Pritikin, Mrs. Sara Z.  
 Pritzker, Abraham N.  
 Profili, Mrs. Giacomo  
 Prohaska, Dr. John Van  
 Prokop, Joseph  
 Prokop, Richard A.  
 Psik, Mrs. Paul R.  
 Puccetti, Harry W.  
 Puestow, Dr. Charles B.  
 Putze, Louis  
 Pullman, Frederick C.  
 Purdy, John P.  
 Purvis, Miss Sadie  
 Pushkin, Dr. E. A.  
 Putnam, Alfred L.  
 Putnam, Edmond D.  
 Pye, Harold C.  
 Pyle, Howard  
  
 Quackenboss, Thomas C.  
 Quackenbush, John L.  
 Quarles, Albert M.  
  
 Quateman, Joseph I.  
 Quayle, Robert  
 Querl, Paul  
 Quin, George Robert  
 Quindry, Frank  
 Quinlan, Sterling C.  
 Quisenberry, Mrs. Ann C.  
 Quisenberry, John A.  
 Quisenberry, T. E.  
  
 Raab, S. S.  
 Raaben, John C.  
 Rabb, Stuart W.  
 Radack, Mrs.  
     Dorothy W.  
 Radebaugh, Brye J.  
 Rahe, Rolland A.  
 Rahl, Mrs. James A.  
 Raines, Mrs. Dale S.  
 Raleigh, Dr. William T.  
 Ramsey, Lon W.  
 Rand, John B.  
 Randell, A. C.  
 Rank, Emil T.  
 Ranney, George A., Jr.  
 Ransom, Lyle H.  
 Ransom, Robert C., Sr.  
 Rardon, Mrs. Eva B.  
 Rasin, Rudolph S.  
 Rasmussen, Carl A.  
 Rathfelder, Carl A.  
 Raubitschek, Dr.  
     Howard A.  
 Rauch, Richard  
 Rautbord, Clayton L.  
 Rawleigh, James N.  
 Rawson, Miss Georgia C.  
 Rawsthorne,  
     Mrs. John W.  
 Ray, Fred W.  
 Rayl, Richard B.  
 Rayner, Lawrence  
 Raysa, Richard S.  
 Read, Frank S.  
 Read, Freeman C.  
 Rearick, Arden J.  
 Reckard, Dale W.  
 Redcliffe, R. L.  
 Redding, Bert J.  
 Redfield, C. Truman  
 Redmond, Hugh  
 Redmond, William A.  
 Reed, Mrs. Charles A.  
 Reed, Mrs. Frank C.  
 Reed, Harold V.  
 Reed, L. F. B.  
 Reeder, Dr. Clifton L.  
 Reese, Edward H.  
 Reeves, George C.  
 Regan, James A.  
 Regnery, Mrs. Henry  
  
 Reich, Lewis W.  
 Reichmann, William D.  
 Reicin, Frank E.  
 Reid, Alf F.  
 Reid, Fred T.  
 Reid, John E.  
 Reid, Roy  
 Reidy, T. Hamil  
 Reiff, David  
 Reiffel, Dr. Leonard  
 Reilly, W. J.  
 Rein, Lester E.  
 Reiners, Otto A.  
 Reinschreiber,  
     Mrs. M. Robert  
 Renald, Joseph P.  
 Renniecke, Norbett G.  
 Resnikoff, George J.  
 Reuscher, Charles J.  
 Revnes, Richard  
 Reynell, Robert L.  
 Reynolds, H. J., Jr.  
 Reynolds, Harold P.  
 Reynolds, James A., Jr.  
 Reynolds, Mrs. Ruth B.  
 Reynolds,  
     Thomas A., Jr.  
 Rhead, Dr. Clifton C.  
 Rhoads, Clarence C.  
 Rhodes, C. Harker, Jr.  
 Rice, Dr. Frank E.  
 Rice, J. E.  
 Rice, Dr. Orlin W.  
 Rich, Joseph E.  
 Richards, Miss Catherine  
 Richards, Harper  
 Richards, Miss Irma L.  
 Richards, John C.  
 Richards, Mrs. Oron E.  
 Richards, Miss Shary  
 Richards, William Bruce  
 Richardson, Irving  
 Richardson, LeMont K.  
 Richman, Mrs. Irvin F.  
 Richman, Ruben A.  
 Richmond, Herbert J.  
 Rick, Robert C.  
 Rickard, Frank W.  
 Rickard, L. E.  
 Ricker, Joseph A.  
 Rickher, Mrs. Judy  
 Ridley, Douglas  
 Riederer, Frank W.  
 Riegler, Eugene  
 Ries, Max H.  
 Riggs, I. S.  
 Riggs, Mrs. Joseph A.  
 Riggs, W. R.  
 Riha, Frank J.  
 Riley, Earl K.  
 Riley, Edward C.

## ANNUAL MEMBERS (CONTINUED)

- Rim, Joseph  
 Rinaker, Samuel M.  
 Ringenberg, Wade R.  
 Rink, Dr. Arthur G.  
 Rink, George A.  
 Rink, Joseph J.  
 Rioff, Harry A.  
 Ripley, James J.  
 Riskin, Murray  
 Rissman, Gerald H.  
 Ritter, Charles E.  
 Ritterskamp,  
   James J., Jr.  
 Riva, Joseph P.  
 Rivkin, William R.  
 Roach, O. R.  
 Roach, Rollin W.  
 Robandt, Al  
 Robb, Mrs. Margaret H.  
 Robbins, Burr L.  
 Robbins, Fred J.  
 Robbins, Laurence B.  
 Robbins, Miss Linda  
 Robbins, Fred A.  
 Roberts, Mrs. Charlene G.  
 Roberts, John W.  
 Roberts,  
   Shepherd M., Jr.  
 Roberts, William E.  
 Robertson, Dr. Robert C.  
 Robinson, Angus  
 Robinson, C. Snelling  
 Robinson, Ernest N.  
 Robinson, Paul H., Jr.  
 Robinson, W. H.  
 Rochetto, Mrs. Evelyn  
 Rodell, Herbert L.  
 Rodger, John H.  
 Rodman, George E.  
 Rodriguez, Dr. Arthur A.  
 Rodwick, Frank P.  
 Roecker, Howard G.  
 Roefer, Henry A.  
 Roembke, R.  
 Roettger, Don E.  
 Rogers, Alfred M.  
 Rogers, George B.  
 Rogers, James Waller  
 Rogers, Owen  
 Rohn, Mrs. Esther E.  
 Rold, Dr. Dale  
 Rolfe, John M.  
 Roling, Mrs. R. C.  
 Rollman, Justin A.  
 Romain, William A.  
 Roman, B. F.  
 Romano, Michael R.  
 Rondenet, Dr. L. E.  
 Ronning, Magnus I.  
 Rooks, R. Newton  
 Root, John O.  
 Rootberg, Philip  
 Rosberg, J. Wesley  
 Rose, George E., Jr.  
 Rose, Jack  
 Rose, Ralph  
 Roseland, J. G.  
 Rosen, Harold J.  
 Rosen, Roger H.  
 Rosenberg, Ben L.  
 Rosenberg, H. E.  
 Rosenberg, Jack M.  
 Rosenbloom, Ronald  
 Rosenblum, Mrs. Louis  
 Rosenheim, H. H.  
 Rosenson, Herzl  
 Rosenthal, Albert J.  
 Rosenwald, Mrs.  
   Milly M.  
 Roshkind, Allan I.  
 Rosner, Manuel  
 Ross, Dr. Chester John  
 Ross, Earl  
 Ross, Mrs. Joseph F.  
 Ross, Mrs. K. B.  
 Ross, Dr. Martin T.  
 Ross, Peter H.  
 Ross, Ralph H.  
 Rossi, Matthew L.  
 Rossit, George G.  
 Rossman, Theodore  
 Rossow, Mrs. Phylis  
 Roth, Raymond M.  
 Roth, Sylvan A.  
 Rothermel, Stephen W.  
 Rothfield, Norman  
 Rothschild, Edward  
 Roulette, Mrs. Cecil H.  
 Roulston, Robert J.  
 Rowe, F. B.  
 Rowland, Clarence, Jr.  
 Rowley, Mrs. Curtis W.  
 Rowley, Dr. W. F.  
 Roys, Arthur V.  
 Rozene, Arthur E.  
 Rozmarek, Charles  
 Rubert, William F.  
 Rubin, Jack B.  
 Rubin, Sidney S.  
 Rudd, N. H.  
 Rudolph, Mrs. Bertha  
 Rudolph, Mrs. David P.  
 Rudolph, Walter D.  
 Rudin, Louis E.  
 Ruecking, Harry W.  
 Ruff, J.  
 Ruhl, Robert H.  
 Rummell, Darwin M.  
 Rumsfeld, Herbert W.  
 Rundin, Walter C., Jr.  
 Rush, Charles M.  
 Rush, Richard B.  
 Rusin, Bron J.  
 Ruskin, Mrs. Harry H.  
 Russell, Harold S.  
 Russell, John W.  
 Russell, Mrs. Paul  
 Russell, W. Hunter  
 Ruth, Philip F.  
 Rutherford, James E.  
 Rutherford, M. Drexel  
 Rutstein, Martin I.  
 Ruttenberg, Derald H.  
 Ryan, Arnold W.  
 Ryan,  
   Mrs. Bernadette T.  
 Ryerson, Anthony M.  
 Ryker, John  
 Rynberk, Gilbert J.  
 Ryser, Frank  
 Ryser, Werner  
 Saalfeld, Harry H.  
 Saar, Robert P.  
 Sabshin, Dr. Edith G.  
 Sacco, Anthony E.  
 Saccone, Joseph A., Jr.  
 Sachs, Irving J.  
 Sack, Bernard N.  
 Sack, Don  
 Sackheim, Sol  
 Sadauskas, Miss  
   Frances H.  
 Sadler, Kenneth P.  
 Sagan, Bruce  
 Sage, Andrew  
 Sage, Miss Mary E.  
 Sager, Mrs. S. Norman  
 Sailor, Mrs. Charles M.  
 Salano, Mrs. Eugenia  
 Saldivar, Dr. Ricardo E.  
 Salins, Sidney  
 Sally, John R.  
 Salm, Raymond C.  
 Salmon, Mrs. Charles S.  
 Salomon, Ira  
 Salsman,  
   Mrs. Thomas J.  
 Salvador, Rupert D.  
 Sampson, Robert L.  
 Sampson, William D.  
 Samuels, Albert  
 Sanborn, Mrs. V. C.  
 Sandberg, John V.  
 Sandberg, Richard H.  
 Sanders, Dr. Alexander  
 Sanders, Frank B.  
 Sanders, Robert L.  
 Sanders, Stephen P.  
 Sanderson, Gerald  
 Sandler, Martin N.  
 Sandrik, Stephen  
 Sandrok, Edward G.

ANNUAL MEMBERS (CONTINUED)

Sanfilippo, Dr. John A.  
 Sappanos, Michael  
 Sauer, James H.  
 Sauerman, John A.  
 Saunders, Richard S.  
 Saupe, Mrs. Anna  
 Savage, Mrs. Stanley  
 Savard, Gonzague A.  
 Savin, Bernard  
 Savin, Victor R.  
 Sawyer, Percy  
 Sax, Harold W.  
 Sax, Jerome M.  
 Sayers, Miss Edith E.  
 Sayre, Dr. Loren D.  
 Scala, Mrs. Florence  
 Scalise, Joseph W.  
 Scallon, John W.  
 Scandiff, Jerry R.  
 Scanlan, Thomas P.  
 Scanlon, Charles J.  
 Scanlon, Miss Marjorie  
 Scelzo, George P.  
 Schaar, B. E.  
 Schade, George Carl  
 Schaden, Harry  
 Schaden, Tobias  
 Schaefer, W. A.  
 Schaffer, Miss Catharine  
 Schaffer, Donald L.  
 Schaffner, Miss Marion  
 Schageman, R. V.  
 Schaller, George J.  
 Schallerer, Mrs. Mary  
     Beth  
 Schallman, David A.  
 Schallmoser, Joseph  
 Schanck, Francis R.  
 Schanck, Francis R., Jr.  
 Schatzman, Marvin E.  
 Schau, Ernest G.  
 Scheele, A.  
 Scheer, Harry  
 Scheiner, Edward F.  
 Scheinfeld, Aaron  
 Schelthoff, John W.  
 Scheman, Dr. Louis  
 Schiff, Max  
 Schildt, Fred H.  
 Schiller, Dr. A. L.  
 Schiltz, M. A.  
 Schipfer, Dr. L. A.  
 Schlegel, Russel A.  
 Schleitwiler, Hal  
 Schlesinger, Richard B.  
 Schlessinger, Dr. Nathan  
 Schlicht, B. J.  
 Schlienz, Richard W.  
 Schlossberg, John B.  
 Schlossman, Norman J.  
 Schmeal, Howard A.  
 Schmeihil, Dr. Edward J.  
 Schmeling, Evans S.  
 Schmidt, Charles E.  
 Schmidt, Fred H.  
 Schmidt, Richard P.  
 Schmidt, Mrs.  
     Siegfried G.  
 Schneider, Charles I.  
 Schnipper, Michael  
 Schoch, M. G.  
 Schoeneberger, Charles A.  
 Schooler, Lee  
 Schorn, Arnold N.  
 Schrader, John P.  
 Schraeder, Mrs. Harry H.  
 Schragar, Charles L.  
 Schreyer, Carl G.  
 Schroeder, Carl V.  
 Schroeder,  
     Mrs. Herbert C.  
 Schroeder, Paul A.  
 Schroeder, Dr. Paul W.  
 Schuessler, Walter E.  
 Schuknecht, Thomas R.  
 Schulien, Charles  
 Schultz, Arthur L.  
 Schultz, Eugene B., Jr.  
 Schulz, Dr. E. H.  
 Schurman, Jacques D.  
 Schuster, Amos M.  
 Schuth, O. D.  
 Schuttler, Mrs. Peter  
 Schwalm, Harold E.  
 Schwartz, Ben E.  
 Schwartz, U. S.  
 Schwartzberg, Irving  
 Schweich, Anderson M.  
 Schwemm, Earl M.  
 Scofield, Clarence P.  
 Scott, A. Charles  
 Scott, Frederick H.  
 Scott, J. Grant  
 Scott, Mrs. J. Russell  
 Scott, Mrs. Marion R.  
 Scott, Robert M.  
 Scott, Walter B.  
 Scott, William W.  
 Scrimgeour, Miss  
     Gladys M.  
 Scully, Charles F.  
 Scully, Thomas F.  
 Seaman, H. Gilbert  
 Seaman, Henry L.  
 Seator, Douglas S.  
 Seaverns, George A., Jr.  
 Seay, Thomas  
 Seckler, Samuel A.  
 Seelmayer, Miss Helen M.  
 Segal, J. Herzl  
 Segal, Max  
 Segman, Walter W.  
 Seibel, Mrs. Julia F.  
 Seif, Joseph V.  
 Sell, N. J.  
 Selle, Miss Pearl C.  
 Selleck, Robert W.  
 Sellers, Dr. Donald W.  
 Sellers, Paul A.  
 Seminatore, George  
 Seng, Francis A.  
 Sengstacke, John H.  
 Seno, Salvatore Dante  
 Sensenbrenner, O. K.  
 Serwat, Leonard H.  
 Sevcik, John G.  
 Severance, George S.  
 Seward, Robert M.  
 Sewart, Whitney M.  
 Seymour, Fletcher  
 Shafer, Frederick C.  
 Shannon, Daniel J.  
 Shannon, Peter M.  
 Shanower, Malcolm  
 Shantz, Marc A.  
 Shapiro, Alvin R.  
 Shapiro, Arthur M.  
 Shapiro,  
     Mrs. Joseph R.  
 Share, J. R.  
 Sharp, Harry  
 Shearer, James, II  
 Shedd, Jeffrey  
 Sheehan, Mrs. Robert R.  
 Sheehan, Thomas J.  
 Sheeran, James J.  
 Shepard, Kenneth E.  
 Shepherd, Ronald J.  
 Sher, Raymond  
 Sherer, Mrs. Albert W.  
 Sheridan, Donald T.  
 Sheridan, Leo J.  
 Sheridan, Raymond M.  
 Sheridan, Robert P.  
 Sherman, Gordon  
 Sherman, John H.  
 Sherman, Robert T.  
 Sherman, Mrs. Robert T.  
 Sherman, William S.  
 Shervanian,  
     Dr. Christy C.  
 Shetler, Stanley L.  
 Shields, G. A.  
 Shields, John W.  
 Shilton, Earle A.  
 Shine, Joseph J.  
 Shimer, William B.  
 Shipley, M. L.  
 Shlaes, Harry L.  
 Shlopach, Wallace B.  
 Shoemaker, F. Wells  
 Short, Jeffrey R., Jr.  
 Short, William H.

ANNUAL MEMBERS (CONTINUED)

- Shrader, Frank K.  
 Shufflitowski, Joseph T.  
 Shure, Arnold I.  
 Shuster, Leroy C.  
 Shutack, John T.  
 Shriver, Robert  
     Sargent, Jr.  
 Shy, Ira O.  
 Siculan, Dan  
 Sieber, Paul E.  
 Siegan, B. H.  
 Sierocinski, E. John  
 Sieron, Robert D.  
 Silber, Newton E.  
 Silver, Dr. Jerome M.  
 Silvers, Earl  
 Silverstein, Mrs. Milton  
 Silverthorne, Mrs.  
     George  
 Simanski, Mrs. Julia  
 Simjack, Miss Marybeth  
 Simmon, Dr.  
     Nicholas M.  
 Simmons, George H.  
 Simmons, Dr. Nicholas L.  
 Simon, Mrs. Arnold B.  
 Simon, Charles H.  
 Simon, George E.  
 Simon, Robert A.  
 Simons, Syd.  
 Simpson, Bruce L.  
 Simpson, Mrs. Donald J.  
 Simpson, E. A.  
 Simpson, John B.  
 Simpson, Justin  
 Simpson, Richard B.  
 Sims, David K.  
 Sinclair, Mrs. J. Hoffman  
 Singer, Carl N.  
 Singer, Morris T.  
 Singleton, Thomas B.  
 Sippel, Edward A.  
 Sisler, George F.  
 Sitek, John A.  
 Sittler, Dr. W. Walter  
 Sivyver, Warner  
 Sjostrom, Robert A.  
 Skaff, Mrs. Ernest  
 Skamfer, Robert  
 Skan, Leon N.  
 Skeie, Kermit A.  
 Skibinski, Chester  
 Sklansky, Mrs. M. A.  
 Sklar, N. Raoul  
 Skoczek, Mrs. Roman A.  
 Skoner, Ralph  
 Skorup,  
     Mrs. Emil A., Jr.  
 Skudera,  
     Miss Blanche D.  
 Skweres, Thomas W.
- Slater, Milton E.  
 Sledz, Adam P.  
 Slepyan, Dr. Albert H.  
 Sloan, Dr. Jack H.  
 Slottow, Richard S.  
 Smalley, B. L.  
 Smalley, Dr. Charles J.  
 Smalley, John H.  
 Smart, Robert E.  
 Smart, S. Bruce, Jr.  
 Smerling, Manuel  
 Smith, C. D.  
 Smith, Charles L.  
 Smith, F. Gordon  
 Smith, George P. F.  
 Smith, Goff  
 Smith,  
     Miss Grace Frances  
 Smith, H. Kellogg  
 Smith, H. William  
 Smith, Harold A.  
 Smith, Harrison C.  
 Smith, Harry C.  
 Smith, Harry T.  
 Smith, Hawley L., Jr.  
 Smith, Howard A.  
 Smith, John Justin  
 Smith, Kenneth P.  
 Smith, L. L.  
 Smith, Dr. Manuel  
 Smith, Norbert  
 Smith, Owen  
 Smith, Mrs. Raymond F.  
 Smith, Robert C.  
 Smith, Roland K.  
 Smith, Mrs. Solomon B.  
 Smith, S. S.  
 Smyth, David B.  
 Snitoff, Howard J.  
 Snow, Dr. Adolph I.  
 Snyder, Bernard A.  
 Snyder, James E.  
 Sokolec, Maurice  
 Sollis, Edwin B.  
 Sollitt, Sumner S.  
 Solomon, Ezra  
 Sommers, Bert Edward  
 Sondel, G. W.  
 Sonderby, Max E.  
 Sonne, Fred T.  
 Sonoda, Miss Louise  
 Sorensen, Christ J.  
 Sorensen, L. W.  
 Sorrelle, E. Courtney  
 Sosin, Marvin P.  
 Sosin, Sidney  
 Souder, W. F., Jr.  
 Southwick, Dr. Harry W.  
 Sowa, Frank  
 Spang, Ralph M.  
 Spangler, James C.
- Spanik, Miss Anne  
 Spanuello, Leo J.  
 Sparberg, Sidney J.  
 Spark, David I.  
 Spaulding, George E.  
 Spencer, Asbury L.  
 Spencer, Charles M.  
 Spencer, Mrs. I.  
 Spencer, James M.  
 Spencer, William N.  
 Sperry, Oliver R.  
 Spertus, Philip  
 Spiegel, Miss  
     Katherine J.  
 Spiehler, Adolph F.  
 Spitz, Lawrence S.  
 Spooner, Dr. Bruce A.  
 Sprinker,  
     Donald Herbert  
 Squires, Vernon T.  
 Stade, Hans A.  
 Stafford, Mrs. Richard W.  
 Stagman, Dr. Joseph  
 Stahl, Harold A.  
 Stahl, John  
 Stahl, T. R.  
 Stair, H. Bowen  
 Stamm, Mrs. Elmer J.  
 Stanbery, J. N.  
 Standen, Charles R.  
 Stang, J. I.  
 Stanley, E. V.  
 Stanton, Mrs. Francis R.  
 Stanton, John  
 Star, Alvin D.  
 Starshak, A. L.  
 Starkweather, M. F.  
 Stauffacher, E. L.  
 Stavenhagen, Fred A.  
 Stavish, Emanuel G.  
 Stayman, Clarke C.  
 Steans, Dr. George L.  
 Stebbins, Mrs. A. L.  
 Steele, Mrs. Chester B.  
 Steffan, Henry  
 Steffen, Philip N.  
 Steffey, O. O.  
 Stegman, Mrs. Walter W.  
 Steiger, Aaron A.  
 Steigmann, Dr.  
     Frederick  
 Stein, A. D.  
 Stein, Mrs. Louise K.  
 Stein, Melvyn E.  
 Steiner, Miss Joanne  
 Steinhorn, Mrs. S. R.  
 Steinman, R. E.  
 Steinmann, Mrs. F. H.  
 Steins, Mrs. Halsey  
 Stekly, Harold

## ANNUAL MEMBERS (CONTINUED)

- Stenhouse, Miss  
     Bessie C.  
 Stenn, Dr. Frederick  
 Stenson, William A.  
 Stepan, Alfred C., Jr.  
 Stephan, Edmund A.  
 Stephens, Dr. Natalie  
 Stephens, Norval  
 Stephens, Russell F.  
 Stern, Gerald J.  
 Stern, Henry  
 Stern, Jerome H.  
 Stern, John W.  
 Stern, Herbert L.  
 Stern, Herbert L., Jr.  
 Stern, Lawrence F.  
 Stern, Russell T.  
 Stern, Russell T., Jr.  
 Sternberg, Arthur  
 Sternberg, Edward  
 Stetson, F. Winslow, Jr.  
 Stevens, John Paul  
 Stevens, William E.  
 Stevenson, Ben T.  
 Stevenson, Mrs. Borden  
 Stevenson, James R.  
 Stevenson,  
     Miss Lillian  
 Stewart, Brendan J.  
 Stewart, George W.  
 Stewart, Stanley C.  
 St. George, George Q. M.  
 Stickler, L. R.  
 Stiggleman, James H.  
 Stickers, Alex  
 Stind, C. J.  
 Stirling, Miss Dorothy  
 Stix, Lawrence C., Jr.  
 Stoaks, Richard O.  
 Stocker, Frederick B., Jr.  
 Stocking, George T.  
 Stoeffhaas, W. F.  
 Stoesser, John N.  
 Stoff, Edmond B.  
 Stohl, Milton R.  
 Stokesberry, Paul W.  
 Stolar, Burton I.  
 Stollery, Mrs. Harry  
 Stolz, Leon  
 Stone, Mrs. E. J.  
 Stone, Harry L.  
 Stone, Herbert Stuart  
 Stone, J. McWilliams  
 Stone, Marvin N.  
 Stone, Peter  
 Stone, W. Clement  
 Storey, Smith W.  
 Storkan, Mrs. James  
 Stormont, Dr. D. L.  
 Stout, Frederick E.  
 Stover, Frank C.
- Strafer, Guy H.  
 Straight, Mrs. Madeline  
     Joyce  
 Strathearn, Donald, Jr.  
 Stratton, Robert C.  
 Stratz, Albert E.  
 Straus, Mrs. Robert E.  
 Strauss, Eugene O.  
 Strauss, Frederick W.  
 Stresen-Reuter, A. P.  
 Stricker, Henry J.  
 Strobeck, Roy A.  
 Stroben, Donald R.  
 Strom, Norman N.  
 Stryck, Paul W.  
 Stuart, La Rhett L.  
 Stuart, Lyman J.  
 Stuart, Robert  
 Stuart, William M.  
 Stubenrauch, E. H.  
 Stuckey, M. A.  
 Stuckslager, Walter N.  
 Study, Dr. Robert S.  
 Study, Mrs. Robert  
 Stueckemann, Mrs.  
     Fred C.  
 Sturdy, Franklin D.  
 Sturla,  
     Harry L., Jr.  
 Sturm, Arthur  
 Stutz, George L.  
 Succa, Roy J.  
 Sugar, Dr. Oscar  
 Suiter, Harold W.  
 Sujack, Edwin T.  
 Sule, Charles J.  
 Sullivan, Eugene T.  
 Sullivan, Joseph J.  
 Sultan, Dr. Nathan A.  
 Sulzberger, Mrs.  
     Frank L.  
 Summers, Wayne M.  
 Sundell, Miss Grace B.  
 Sundt, E. V.  
 Supplee, Charles B.  
 Suyker, Hector  
 Svec, Anton E.  
 Svensson, Olof  
 Swain, Mrs. Henry  
 Swan, Jack  
 Swanson, H. G.  
 Swartz, Harry B.  
 Swartzberg, Irvin  
 Sweeney, Mrs. Leo P. A.  
 Sweet, Mrs. Carroll  
 Sweet, David M.  
 Swenson, Gayle  
 Swenson, R. E.  
 Swett, Warren C.  
 Swett, William O.  
 Swift, John C.
- Swift, Phelps Hoyt  
 Swift, T. Philip  
 Swihart, J. R.  
 Swingle, Roy E.  
 Swoiskin, Dr. Irving  
 Szarakaika, William  
  
 Taafe, C. R.  
 Taber, Edwin M.  
 Taber, John Anderson  
 Tabin, Mrs. Adrian  
 Tabin, Julius  
 Taft, Mrs. John Ailes  
 Talalay, Dr. Paul  
 Talbot, Dr. Eugene S.  
 Talbott, John B.  
 Tank, Marvin H.  
 Tannenbaum, Saul O.  
 Tappendorf, Robert H.  
 Targ, Mrs. Max  
 Tarnopol, Emil  
 Tarrson, Albert J.  
 Tarrson, Sidney A.  
 Tatge, Paul W.  
 Taub, Charles  
 Taylor, Harold L.  
 Taylor, John W.  
 Taylor, Mrs. John W., Jr.  
 Taylor, Mrs. Sam G., III  
 Taymor, Aaron  
 Tecson, Joseph A.  
 Teitel, Charles  
 Teitelbaum, Joseph D.  
 Telfer, Bruce T.  
 Tellefsen, Ralph, Jr.  
 Teller, Sidney A.  
 Telsler, Eugene  
 Temple, Jack B.  
 Temple, John  
 Templeman, William I.  
 Temps, Leupold  
 Teninga, Alfred J.  
 Tennant, Don  
 Tennyson, Alfred R.  
 Terker, Sam  
 Terrell, Richard L.  
 Terry, Willis E.  
 Tesuaro, Dominic A.  
 Teter, Park  
 Theiss, Arthur W.  
 Thiele, Edward M.  
 Thiele, George C.  
 Thoelecke, L. C.  
 Thomas, Mrs. B. Russell  
 Thomas, Frank  
 Thomas, Miss Martha  
 Thomas,  
     Mrs. Norbert J.  
 Thomas, Norman L.  
 Thompson, C. Harold  
 Thompson, Dr. Charles E.

ANNUAL MEMBERS (CONTINUED)

- Thompson, H. Hoyt  
 Thompson, Jack E.  
 Thompson, Jack W.  
 Thompson, Dr. John R.  
 Thompson, Russell W.  
 Thompson, Warren E.  
 Thompson,  
     Dr. William R.  
 Thorek, Dr. Philip  
 Thoresen, H. B.  
 Thrush, George H.  
 Thurber, Joseph G.  
 Thurston, John F.  
 Tibbs, Harry M.  
 Tice, Winfield  
 Tichenor, Arthur G.  
 Tiersky, Dr. Morris D.  
 Tikander, Wilho  
 Tilden, Merrill W.  
 Timmings, G. H.  
 Tinen, John, Jr.  
 Tinkham, Leo V.  
 Tinsley, Dr. Milton  
 Tintiangco, John Jose  
 Tittle, Vernon  
 Tobey, Newton H.  
 Tobin, Paul E.  
 Todd, Mrs. E. L.  
 Todd, William T.  
 Toelle, R. Maynard  
 Tolpin, Dr. Samuel  
 Tomei, Felix J., Jr.  
 Topercer, Mrs. Sylvia  
 Topolinski, J. J.  
 Torgerson, Ray G.  
 Totsch, Marvin D.  
 Tower, Robert C.  
 Towns, R. E.  
 Toyomura, Dennis  
 Trace, Dr. Herbert D.  
 Tracy, T. J.  
 Tracy, Wheeler  
 Trager, D. C.  
 Train, Jack D.  
 Trainor, Mrs. Minita  
 Trammel, Dr. Henry M.  
 Travers, Claude R.  
 Traynor, William  
 Treadway, Cecil E.  
 Treadwell, George P.  
 Treasurer, Mrs. Henry J.,  
     Jr.  
 Tremper, Robert  
 Tresley, Dr. Ira J.  
 Trestenjok, Harold G.  
 Triggs, Warren  
 Triner, Joseph  
 Troeger, Miss E. M.  
 Troeger, Louis P.  
 Troxel, Dr. J. C.  
 Troxell, R. L.
- Trueblood, Robert M.  
 Tucker, Irwin R.  
 Turek, A. O.  
 Turgrimson, Charles D.  
 Turkevich, Nicholas L.  
 Turner, Dr. Herbert A.  
 Turner, Oliver S.  
 Turner, William S.  
 Tuzin, C. F.  
 Tyk, Warren G.  
 Tyson, John
- Ufferman, William  
 Uhlmann, Richard F.  
 Ultsch, W. Lewis  
 Underwood, Richard C.  
 Uaro, Gerard M.  
 Unger, Mrs. Dan  
 Unkovskoy, Mrs. Simon  
 Urann, E. B.  
 Urban, Andrew  
 Urban, Frank  
 Urban, John T.  
 Uretz, Daniel A.  
 Urick, Delbert N.  
 Uriell, Frank G.  
 Urnes, Dr. M. P.  
 Ushijima, Mrs. Ruth  
 Utz, Miss Martha
- Vacante, Dr. Anthony B.  
 Vail, Donald P.  
 Vail, J. Dean, Jr.  
 Valentine, Mrs. Joseph L.  
 Valentine, Paul H.  
 Van Auken, Paul S.  
 Van Buskirk, M. G.  
 Vance, Norman, Jr.  
 Vance, S. M.  
 Vanderkloot, Dr. Albert  
 Vander Kloot,  
     Nicholas J.  
 Vander Laan, Dr.  
     Cornelius A.  
 van der Meulen, John H.  
 Vander Ploeg,  
     Mrs. Frank  
 Vanderwicken, Mrs.  
     Edwin P.  
 Van Deventer,  
     William E.  
 Van Dyk, S. A.  
 Vanecko, Dr. M.  
 Van Epps, Dr. James  
 Van Etten, Floyd G.  
 Van Gorkom, Mrs. J. W.  
 Van Hagen, Mrs.  
     George E., III  
 Van Kampen, A. H.  
 Van Ness, A. L.  
 Vanness, Charles E.
- Van Oosten, L. L.  
 Van Scheltema,  
     John K., Jr.  
 Van Stanten, James  
 Varese, Anthony A.  
 Varley, John S.  
 Varnum, Edward E.  
 Vaughan, A. W.  
 Vaughn, Wilbert T.  
 Veeder, Mrs. Melvin N.  
 Veeger, Jack  
 Velvel, Charles  
 Velvel, H. R.  
 Venrick, Mrs. Charles F.  
 Vergeck, Bruno J.  
 Verhaag, Dr. Joseph E.  
 Ver Nooy, Miss Winifred  
 Vernon, Leroy N.  
 Verros, Harry Peter  
 Verson, Melvin D.  
 Vetter, Paul G.  
 Vicari, Dr. Frank A.  
 Vick, Michael D.  
 Victor, George E.  
 Victorine, Vernon E.  
 Vietsch, Grant C.  
 Viger, James W.  
 Vihon, Charles H.  
 Vilas, Mrs. Royal C.  
 Vilsoet, William  
 Vincenti, Anthony P.  
 Vivas, Julio  
 Vleck, Dr. Anton J.  
 Vogel, David A.  
 Vogt, Karl  
 Voigt, Mrs. Wilbur R.  
 Vollmer, Karl F.  
 Von Brauchitsch,  
     Frederick C.  
 Vondrasek, Earl A.  
 Von Gehr, George  
 Voorhis, Jerry  
 Voris, Dr. Harold C.  
 Vose, Hamilton, Jr.  
 Voysey, Frank E.  
 Voytech, Charles F.  
 Vratny, Thomas J.  
 Vyse, T. A. E.
- Wach, Dr. Edward C.  
 Wachter, Frederick J.  
 Wack, Mrs. Edwin O.  
 Wack, Mrs. Otis  
 Wade, Paul M.  
 Wade, Wendell W.  
 Wagner, Mrs. James F.  
 Wagoner, William F.  
 Waitkus, E. Algerd  
 Wakesfield, W. J.  
 Waldie, Benjamin D.  
 Waldman, Dr. Albert G.



ANNUAL MEMBERS (CONTINUED)

- Waldner, Arthur L.  
 Waldo, C. Ives, Jr.  
 Waldron, Thomas F.  
 Walgren, Lawrence C.  
 Walker, Dr. Alfred O.  
 Walker, Frank R.  
 Walker, Dr. Maggie L.  
 Walker, Malcolm M.  
 Walker, Reno R.  
 Wallace,  
     Dr. James C., Jr.  
 Wallace, William B.  
 Wallace, Zearl B.  
 Wallenstein, Sidney  
 Waller, Marshall S.  
 Wallerstedt, R. W.  
 Wallerstein, David B.  
 Wallgren, Eric M.  
 Walling, Mrs.  
     Willoughby G.  
 Wallingford, Donald H.  
 Walters, Dirk R.  
 Walters, Gary G.  
 Waltman, C. E.  
 Waltman, Charles T.  
 Walton, Arthur K.  
 Wanda, Dmitry  
 Wands, Mrs. Thomas F.  
 Wanger, David E., Jr.  
 Wanzer, H. Stanley  
 Warady, Dr. Seymour C.  
 Ward, Mrs. Herbert S.  
 Ward, Kenneth J.  
 Warde, Frederick A.  
 Wardwell, Allen  
 Wardwell, Henry  
 Ware, James R.  
 Ware, Willis C.  
 Wareham, Robert S.  
 Warman, Winfield C.  
 Warner, Kenneth O.  
 Warner, Mason  
 Warner, Peter B.  
 Warren, Joseph R.  
 Warren, Richard C.  
 Warshawsky, Roy I.  
 Washell, Henry L.  
 Washburn, Dr.  
     Kenneth C.  
 Wasson, Theron  
 Waterfield, John R.  
 Waterman, Mrs. Alex H.  
 Watling, John  
 Watrons, David C.  
 Watson, D. R.  
 Watson, Donald S.  
 Watson, George  
 Watson, Mrs. Thomas S.,  
     Jr.  
 Watson, William D.  
 Watts, G. W.  
 Watts, James A.  
 Wayne, Albert E.  
 Weatherby, George W.  
 Weathers, Everett A.  
 Webb, Dr. A. C.  
 Webb, Dr. J. Lewis  
 Webber, Mrs. Gayle M.  
 Webber, Mrs. Harriet P.  
 Weber, James E.  
 Weber, Miss Laura M.  
 Webster, Dr. Augusta  
 Webster, N. C.  
 Webster, Wesley G.  
 Weeks, Andrew G.  
 Weeks, Harrison S.  
 Weidert, William C.  
 Weil, Mrs. Carl H.  
 Weil, David Maxwell  
 Weiner, Aaron B.  
 Weiner, Charles  
 Weiner, George M.  
 Weiner, Irwin S.  
 Weinstein, Harold  
 Weinstein, S. M.  
 Weintroub, Benjamin  
 Weisbrod, Mrs.  
     H. Johnstone  
 Weisman, Morton  
 Weisman, Mrs. Nat  
 Weiss, Dr. Arthur M.  
 Weiss, Dr. Marvin A.  
 Weiss, Louis J.  
 Weiss, Miss Viola Y.  
 Weisz, William J.  
 Welch, Raymond W., Jr.  
 Weldon, Clarence W.  
 Wellman, Lester R., Jr.  
 Wells, Sidney  
 Welsh, Vernon M.  
 Wendt, Mrs. M. R.  
 Wenner, Mrs. David, Jr.  
 Wenninger, William C.  
 Werner, Mrs. A. J.  
 Werner, Charles S.  
 Werner, Dr. Howard L.  
 Werrenrath, Reinald, Jr.  
 Wessling, Richard  
 West, Arthur  
 West, James D.  
 West, Mrs. James W.  
 West, Lawrence J.  
 Westbrook, Charles H.  
 Westerfield, Harry G.  
 Westerhold, Mrs.  
     Lenora C.  
 Westfall, Dr. Robert E.  
 Westin, Glenn V.  
 Wetherell, Warren  
 Whall, Arthur L.  
 Wharton, Mrs.  
     Joseph P., Jr.  
 Wheeler, Henry P.  
 Wheeler, John B.  
 Wheeler, W. L.  
 Whipple, Mrs. Jay N.  
 White, Gordon  
 White, Dr. Gregory J.  
 White, John, Jr.  
 White Lester B.  
 White, Miss Naomi  
 White, Dr. Philip C.  
 White, Philip M.  
 White, Dr. Ralph P.  
 White, Richard H.  
 White, Robert P.  
 White, Willard A.  
 Whitehead,  
     Adm. Richard  
 Whitelock, John B.  
 Whiteman, Weston K.  
 Whiting, Lawrence H.  
 Whitney, Russell C., Jr.  
 Whitsell, Dr. F. M.  
 Whittaker, Otto  
 Wickersham, Mrs. Lucille  
 Widduck, Louis G.  
 Wiegel, George E.  
 Wiersum, Jack  
 Wieser, Walter J.  
 Wiesman, Clarence K.  
 Wiggins, Stanley F.  
 Wilby, A. C.  
 Wiles, Bradford  
 Wilkes, Mrs. R. M.  
 Wilkie, Goodrich  
 Wilkow, William W.  
 Will, Philip, Jr.  
 Willard, Nelson W.  
 Wille, James H.  
 Williams, Albert D.  
 Williams, Bennett  
 Williams, Miss Diane  
 Williams, Donald B.  
 Williams, Mrs.  
     Ednyfed H.  
 Williams, Lynn A.  
 Williams, Dr. O. B.  
 Williams, Dr. Philip C.  
 Williams, Ralph E.  
 Williams, R. Arthur  
 Williamson, Harold A.  
 Willing, Mrs. Mark S., Jr.  
 Willis, George H.  
 Willis, Ivan L.  
 Willson, Charles F.  
 Willy, Dr. Ralph G.  
 Wilmouth, Robert K.  
 Wilsey, Dr. H. Lawrence  
 Wilson,  
     Miss Christine  
 Wilson, Christopher W.

ANNUAL MEMBERS (CONTINUED)

- Wilson,  
   Christopher W., Jr.  
 Wilson, Dana F.  
 Wilson, Dr. Earle E.  
 Wilson, E. W.  
 Wilson, Miss Emily C.  
 Wilson, H. B.  
 Wilson, Harold E.  
 Wilson, Mrs. James B.  
 Wilson, Robert J.  
 Wilson, Robert M.  
 Wilton, Mrs. Oliver N.  
 Winkenweder, V. O.  
 Winkler, Edward  
 Winograd, Dr. Alvin M.  
 Winston, Farwell  
 Winter, Mrs. Gibson  
 Winter, Ted  
 Winterbotham, John R.  
 Winters, Ernest J.  
 Wise, Dr. Sidney S.  
 Wishingrad, Dr. Lester  
 Wisner, David E.  
 Wiss, Dr. Edward J.  
 Witcher, Mrs. E. K.  
 Withall, H. H.  
 Withall, Mrs. William E.  
 Witt, Robert J.  
 Witte, Lester  
 Witty, Dr. Drake R. A.  
 Wlocholl, Arthur  
 Wojnarowsky, Dr.  
   Emilia  
 Wolcoff, Phillip  
 Wolf, Albert M.  
 Wolf, Andrew  
 Wolf, C. W.  
 Wolf, Morris E.  
 Wolf, Albert M.  
 Wolfe, Edward  
 Wolfe, Hubert J.  
 Wolf, Arnold R.  
 Wood, A. E.  
 Wood, Alexander M.  
 Wood, Arthur M.  
 Wood, C. A.  
 Wood, Harold F.  
 Wood, Kenward T.
- Wood, Reverend  
   Walter S.  
 Wood, William A.  
 Wood, Mrs. William J.  
 Woodall, Lloyd  
 Woodman, Dudley J.  
 Woodruff, Donald E.  
 Woods, Dr. A. W.  
 Woods, Robert A.  
 Woodside, William S.  
 Woodson, William T.  
 Woodward, Miss  
   Mary H.  
 Woody, Warren V.  
 Woolley, Murray B.  
 Woolpy, Max  
 Workman, S. L.  
 Works, Nelson C., Jr.  
 Works, Mrs. Nelson C., Jr.  
 Wormser, Walter  
 Worthy, James C.  
 Wozniak, Raymond E.  
 Wray, Franklin C.  
 Wray, Glenn  
 Wright, John A.  
 Wright, C. G.  
 Wright, Dr. F. Howell  
 Wright, Lewis J.  
 Wright, Miss  
   Margaret J.  
 Wrightson, William F.  
 Wyatt, William R.  
 Wydra, Henry  
 Wyman, Austin L., Jr.  
 Wyne, Walter  
 Wynne, Mrs. Lloyd
- Xelowski, Dr. Thad
- Yacullo, Dr. William A.  
 Yager, Richard Sidney  
 Yavitz, Sidney M.  
 Yellin, Morris  
 Yentzer, Leighton E.  
 Yeoman, George W.  
 Yeretsky, Norman M.  
 Yesnick, Dr. Louis
- Ylvsaker, L.  
 Yntema, Dr. Leonard F.  
 Yohe, C. Lloyd  
 Young, C. S.  
 Young, George B.  
 Young, Rollin R.  
 Young, Samuel H.  
 Young, William T., Jr.  
 Youngblood, John V.  
 Youngquist, C. Harry  
 Youngren, W. W.  
 Ytterberg, Victor E.
- Zabor, Dr. Robert C.  
 Zaczek, Miss  
   Genevieve A.  
 Zahn, Louis  
 Zarish, Mrs. Joseph F.  
 Zartman, James N.  
 Zehr, Ores E.  
 Zeiss, Dr. Chester R.  
 Zeitlin, Dr. N. S.  
 Zeitlin, Samuel E.  
 Zekman, Dr. Theodore N.  
 Zelinsky, Mrs. S. F.  
 Zeller, Charles B.  
 Zerega, Joseph J.  
 Ziegler, Dr. George E.  
 Zielinski, Dr. Victor J.  
 Zigler, John D.  
 Zimmerman, Austin M.  
 Zimmerman, Charles W.  
 Zimmerman, Herbert  
 Zimmerman, Irving  
 Zimmerman, Dr. Nathan  
 Zimmerman, Otto H.  
 Zimmermann, Frank O.  
 Zimmermann, Mrs. P. T.  
 Zisook, Edmond N.  
 Zitmore, Albert  
 Zitzewitz, Arthur F.  
 Zoll, William F.  
 Zurek, Anthony A.  
 Zurek, Francis J.  
 Zusser, Maurice M.  
 Zuvers, Howard E.  
 Zylstra, Clifford H.

ANNUAL MEMBERS (CONTINUED)

DECEASED 1962

Archambault, J. E.	Goren, Lew	Pantelis, A. A.
Barsky, Dr. Frieda Grigorovitch	Gorman, Joseph K.	Pleck, Joseph H.
Both, Mrs. William C.	Hattis, Robert E.	Prins, D. J. B.
Caro, Dr. Marcus Rayner	Holmes, Ralph	Saltiel, Dr. Thomas P.
Chessman, Stanley L.	Johnson, Ernest L.	Sandberg, C. A.
Dee, P. J.	Keck, Mathew	Skudera, Mrs. Marie
Emery, Mrs. Fred A.	King, Mrs. Calvin P.	Spitz, Milton J.
Feeley, James P.	Kling, Leopold	Taylor, Fitzhugh
Fitzgerald, Mathew J.	Knourek, Wm. M.	Vander Ploeg, Frank
Frieder, Edward	Laidlaw, John	Van Hazel, Dr. Willard
	MacKechnie, Hugh N.	Varde, Chris M.
	Maier, Dr. Roe J.	Vick, Maurie B.
	McLary, M. R.	Vogt, Robert F.
		West, Richard H.



ARTICLES OF INCORPORATION  
AMENDED BY LAWS



# Articles of Incorporation

STATE OF ILLINOIS

DEPARTMENT OF STATE

WILLIAM H. HINRICHSEN, *Secretary of State*

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETING:

*Whereas*, a Certificate duly signed and acknowledged having been filed in the office of the Secretary of State, on the 16th day of September, A.D. 1893, for the organization of the COLUMBIAN MUSEUM OF CHICAGO, under and in accordance with the provisions of "An Act Concerning Corporations," approved April 18, 1872, and in force July 1, 1872, and all acts amendatory thereof, a copy of which certificate is hereto attached.

*Now, therefore*, I, William H. Hinrichsen, Secretary of State of the State of Illinois, by virtue of the powers and duties vested in me by law, do hereby certify that the said COLUMBIAN MUSEUM OF CHICAGO is a legally organized Corporation under the laws of this State.

*In Testimony Whereof*, I hereto set my hand and cause to be affixed the Great Seal of State. Done at the City of Springfield, this 16th day of September, in the year of our Lord one thousand eight hundred and ninety-three, and of the Independence of the United States the one hundred and eighteenth.

W. H. HINRICHSEN,

*Secretary of State.*

[SEAL]

TO HON. WILLIAM H. HINRICHSEN,

SECRETARY OF STATE:

SIR:

We, the undersigned citizens of the United States, propose to form a corporation under an act of the General Assembly of the State of Illinois, entitled "An Act Concerning Corporations," approved April 18, 1872, and all acts amendatory thereof; and that for the purposes of such organization we hereby state as follows, to-wit:

1. The name of such corporation is the "COLUMBIAN MUSEUM OF CHICAGO."

2. The object for which it is formed is for the accumulation and dissemination of knowledge, and the preservation and exhibition of objects illustrating Art, Archaeology, Science and History.

3. The management of the aforesaid museum shall be vested in a Board of FIFTEEN (15) TRUSTEES, five of whom are to be elected every year.

4. The following named persons are hereby selected as the Trustees for the first year of its corporate existence:

Edward E. Ayer, Charles B. Farwell, George E. Adams, George R. Davis, Charles L. Hutchinson, Daniel H. Burnham, John A. Roche, M. C. Bullock, Emil G. Hirsch, James W. Ellsworth, Allison V. Armour, O. F. Aldis, Edwin Walker, John C. Black and Frank W. Gunsaulus.

5. The location of the Museum is in the City of Chicago, County of Cook, and State of Illinois.

*(Signed)*

George E. Adams, C. B. Farwell, Sidney C. Eastman, F. W. Putnam, Robert McCurdy, Andrew Peterson, L. J. Gage, Charles L. Hutchinson, Ebenezer

Buckingham, Andrew McNally, Edward E. Ayer, John M. Clark, Herman H. Kohlsaat, George Schneider, Henry H. Getty, William R. Harper, Franklin H. Head, E. G. Keith, J. Irving Pearce, Azel F. Hatch, Henry Wade Rogers, Thomas B. Bryan, L. Z. Leiter, A. C. Bartlett, A. A. Sprague, A. C. McClurg, James W. Scott, Geo. F. Bissell, John R. Walsh, Chas. Fitzsimmons, John A. Roche, E. B. McCagg, Owen F. Aldis, Ferdinand W. Peck, James H. Dole, Joseph Stockton, Edward B. Butler, John McConnell, R. A. Waller, H. C. Chatfield-Taylor, A. Crawford, Wm. Sooy Smith, P. S. Peterson, John C. Black, Jno. J. Mitchell, C. F. Gunther, George R. Davis, Stephen A. Forbes, Robert W. Patterson, Jr., M. C. Bullock, Edwin Walker, George M. Pullman, William E. Curtis, James W. Ellsworth, William E. Hale, Wm. T. Baker, Martin A. Ryerson, Huntington W. Jackson, N. B. Ream, Norman Williams, Melville E. Stone, Bryan Lathrop, Eliphalet W. Blatchford, Philip D. Armour.

STATE OF ILLINOIS )  
 COOK COUNTY ) ss.

I, G. R. MITCHELL, a NOTARY PUBLIC in and for said County, do hereby certify that the foregoing petitioners personally appeared before me and acknowledged severally that they signed the foregoing petition as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 14th day of September, 1893.

G. R. MITCHELL,

[SEAL]

NOTARY PUBLIC, COOK COUNTY, ILL.

#### CHANGE IN ARTICLE 1

Pursuant to a resolution passed at a meeting of the corporate members held the 25th day of June, 1894, the name of the COLUMBIAN MUSEUM was changed to FIELD COLUMBIAN MUSEUM. A certificate to this effect was filed June 26, 1894, in the office of the Secretary of State for Illinois.

#### CHANGE IN ARTICLE 1

Pursuant to a resolution passed at a meeting of the corporate members held the 8th day of November, 1905, the name of the FIELD COLUMBIAN MUSEUM was changed to FIELD MUSEUM OF NATURAL HISTORY. A certificate to this effect was filed November 10, 1905, in the office of the Secretary of State for Illinois.

#### CHANGE IN ARTICLE 3

Pursuant to a resolution passed at a meeting of the corporate members held the 10th day of May, 1920, the management of FIELD MUSEUM OF NATURAL HISTORY shall be invested in a Board of TWENTY-ONE (21) TRUSTEES, who shall be elected in such manner and for such time and term of office as may be provided for by the By-Laws. A certificate to this effect was filed May 21, 1920, in the office of the Secretary of State for Illinois.

#### CHANGE IN ARTICLE 1

Pursuant to a resolution passed at a meeting of the corporate members held the 15th day of November, 1943, the name of FIELD MUSEUM OF NATURAL HISTORY was changed to CHICAGO NATURAL HISTORY MUSEUM. A certificate to this effect was filed November 23, 1943, in the office of the Secretary of State for Illinois.



# Amended By-Laws

JANUARY 1962

## ARTICLE I

### MEMBERS

SECTION 1. Members shall be of twelve classes, Corporate Members, Honorary Members, Patrons, Corresponding Members, Benefactors, Contributors, Life Members, Non-Resident Life Members, Associate Members, Non-Resident Associate Members, Sustaining Members, and Annual Members.

SECTION 2. The Corporate Members shall consist of the persons named in the articles of incorporation, and of such other persons as shall be chosen from time to time by the Board of Trustees at any of its meetings, upon the recommendation of the Executive Committee; provided, that such person named in the articles of incorporation shall, within ninety days from the adoption of these By-Laws, and persons hereafter chosen as Corporate Members shall, within ninety days of their election, pay into the treasury the sum of Twenty Dollars (\$20.00) or more. Corporate Members becoming Life Members, Patrons or Honorary Members shall be exempt from dues. Annual meetings of said Corporate Members shall be held at the same place and on the same day that the annual meeting of the Board of Trustees is held.

SECTION 3. Honorary Members shall be chosen by the Board from among persons who have rendered eminent service to science, and only upon unanimous nomination of the Executive Committee. They shall be exempt from all dues.

SECTION 4. Patrons shall be chosen by the Board upon recommendation of the Executive Committee from among persons who have rendered eminent service to the Museum. They shall be exempt from all dues, and, by virtue of their election as Patrons, shall also be Corporate Members.

SECTION 5. Any person contributing or devising the sum of One Hundred Thousand Dollars (\$100,000.00) in cash, or securities, or property to the funds of the Museum, may be elected a Benefactor of the Museum.

SECTION 6. Corresponding Members shall be chosen by the Board from among scientists or patrons of science residing in foreign countries, who render important service to the Museum. They shall be elected by the Board of Trustees at any of its meetings. They shall be exempt from all dues and shall enjoy all courtesies of the Museum.

SECTION 7. Any person contributing to the Museum One Thousand Dollars (\$1,000.00) or more in cash, securities, or material, may be elected a Contributor of the Museum. Contributors shall be exempt from all dues and shall enjoy all courtesies of the Museum.

SECTION 8. Any person paying into the treasury the sum of Five Hundred Dollars (\$500.00) at any one time, shall, upon the unanimous vote of the Board, become a Life Member. Life Members shall be exempt from all dues, and shall enjoy all the privileges and courtesies of the Museum that are accorded to members of the Board of Trustees. Any person residing fifty miles or more from the city of Chicago, paying into the treasury the sum of One Hundred Dollars (\$100.00) at any one time, shall, upon the unanimous vote of the Board, become a Non-Resident Life Member. Non-Resident Life Members shall be exempt from all dues, and shall enjoy all the privileges and courtesies of the Museum that are accorded to members of the Board of Trustees.

SECTION 9. Any person paying into the treasury of the Museum the sum of One Hundred Dollars (\$100.00) at any one time, shall, upon the vote of the Board,

become an Associate Member. Associate Members shall be exempt from all dues, and shall be entitled to tickets admitting Member and members of family, including non-resident home guests; all publications of the Museum issued during the period of their membership, if so desired; reserved seats for all lectures and entertainments under the auspices of the Museum, provided reservation is requested in advance; and admission of holder of membership and accompanying party to all special exhibits and Museum functions day or evening. Any person residing fifty miles or more from the city of Chicago, paying into the treasury the sum of Fifty Dollars (\$50.00) at any one time, shall, upon the unanimous vote of the Board, become a Non-Resident Associate Member. Non-Resident Associate Members shall be exempt from all dues, and shall enjoy all the privileges and courtesies of the Museum that are accorded to Associate Members.

SECTION 10. Sustaining Members shall consist of such persons as are selected from time to time by the Board of Trustees at any of its meetings, and who shall pay an annual fee of Twenty-five Dollars (\$25.00), payable within thirty days after notice of election and within thirty days after each recurring annual date. This Sustaining Membership entitles the Member to free admission for the Member and family to the Museum on any day, the Annual Report and such other Museum documents or publications issued during the period of their membership as may be requested in writing. When a Sustaining Member has paid the annual fee of \$25.00 for six years, such Member shall be entitled to become an Associate Member.

SECTION 11. Annual Members shall consist of such persons as are selected from time to time by the Board of Trustees at any of its meetings, and who shall pay an annual fee of Ten Dollars (\$10.00), payable within thirty days after each recurring annual date. An Annual Membership shall entitle the Member to a card of admission for the Member and family during all hours when the Museum is open to the public, and free admission for the Member and family to all Museum lectures and entertainments. This membership will also entitle the holder to the courtesies of the membership privileges of every museum of note in the United States and Canada, so long as the existing system of co-operative interchange of membership tickets shall be maintained, including tickets for any lectures given under the auspices of any of the museums during a visit to the cities in which the co-operative museums are located.

SECTION 12. All membership fees, excepting Sustaining and Annual, shall hereafter be applied to a permanent Membership Endowment Fund, the interest only of which shall be applied for the use of the Museum as the Board of Trustees may order.

## ARTICLE II

### BOARD OF TRUSTEES

SECTION 1. The Board of Trustees shall consist of twenty-one members. The respective members of the Board now in office, and those who shall hereafter be elected, shall hold office during life. Vacancies occurring in the Board shall be filled at a regular meeting of the Board, upon the nomination of the Executive Committee made at a preceding regular meeting of the Board, by a majority vote of the members of the Board present.

SECTION 2. Regular meetings of the Board shall be held on the third Monday of the month. Special meetings may be called at any time by the Chairman of the Board or the President, and shall be called by the Secretary upon the written request of three Trustees. Five Trustees shall constitute a quorum, except for the election of officers or the adoption of the Annual Budget, when seven Trustees shall be required, but meetings may be adjourned by any less number from day to day, or to a day fixed, previous to the next regular meeting.

SECTION 3. Reasonable written notice, designating the time and place of holding meetings, shall be given by the Secretary.

## ARTICLE III

### HONORARY TRUSTEES

SECTION 1. As a mark of respect, and in appreciation of services performed for the Institution, any Trustee who by reason of inability, on account of change

of residence, or for other cause or from indisposition to serve longer in such capacity shall resign his place upon the Board, may be elected, by a majority of those present at any regular meeting of the Board, an Honorary Trustee for life. Such Honorary Trustee will receive notice of all meetings of the Board of Trustees, whether regular or special, and will be expected to be present at all such meetings and participate in the deliberations thereof, but an Honorary Trustee shall not have the right to vote.

## ARTICLE IV

### OFFICERS

SECTION 1. The officers shall be the Chairman of the Board, the President, a First Vice-President, a Second Vice-President, a Third Vice-President, a Secretary, an Assistant Secretary, and a Treasurer. They shall be chosen by ballot by the Board of Trustees, a majority of those present and voting being necessary to elect. The Chairman of the Board, the President, and the Vice-Presidents shall be chosen from among the members of the Board of Trustees. The meeting for the election of officers shall be held on the third Monday of January of each year, and shall be called the Annual Meeting.

SECTION 2. The officers shall hold office for one year, or until their successors are elected and qualified, but any officer may be removed at any regular meeting of the Board of Trustees by a vote of two-thirds of all the members of the Board. Vacancies in any office may be filled by the Board at any meeting.

SECTION 3. The officers shall perform such duties as ordinarily appertain to their respective offices, and such as shall be prescribed by the By-Laws, or designated from time to time by the Board of Trustees.

## ARTICLE V

### THE TREASURER

SECTION 1. The Treasurer shall be custodian of the funds of the Corporation, except as hereinafter provided. He shall make disbursements only upon warrants, signed by such officer, or officers, or other persons as the Board of Trustees may from time to time designate.

SECTION 2. The securities and muniments of title belonging to the Corporation shall be placed in the custody of some Trust Company of Chicago to be designated by the Board of Trustees, which Trust Company shall collect the income and principal of said securities as the same become due, and pay same to the Treasurer, except as hereinafter provided. Said Trust Company shall allow access to and deliver any or all securities or muniments of title to the joint order of the following officers, namely: the Chairman of the Board, the President or one of the Vice-Presidents, jointly with the Chairman, or one of the Vice-Chairmen, of the Finance Committee of the Museum. The Chairman of the Board, the President or any one of the Vice-Presidents, jointly with either the Chairman or any one of the other members of the Finance Committee, are authorized and empowered (a) to sell, assign and transfer as a whole or in part the securities owned by or registered in the name of the Chicago Natural History Museum, and, for that purpose, to endorse certificates in blank or to a named person, appoint one or more attorneys, and execute such other instruments as may be necessary, and (b) to cause any securities belonging to this Corporation now, or acquired in the future, to be held or registered in the name or names of a nominee or nominees designated by them.

SECTION 3. The Treasurer shall give bond in such amount, and with such sureties as shall be approved by the Board of Trustees.

SECTION 4. The Harris Trust and Savings Bank shall be custodian of "The N. W. Harris Public School Extension of the Chicago Natural History Museum" fund. The bank shall make disbursements only upon warrants signed by such officer or officers or other persons as the Board of Trustees of the Museum may from time to time designate.

## ARTICLE VI

### THE DIRECTOR

SECTION 1. The Board of Trustees shall elect a Director of the Museum, who shall remain in office until his successor shall be elected. He shall have immediate charge and supervision of the Museum, and shall control the operations of the Institution, subject to the authority of the Board of Trustees and its Committees. The Director shall be the official medium of communication between the Board, or its Committees, and the scientific staff and maintenance force.

SECTION 2. There shall be four scientific Departments of the Museum—Anthropology, Botany, Geology, and Zoology—each under the charge of a Chief Curator, subject to the authority of the Director. The Chief Curators shall be appointed by the Board upon the recommendation of the Director, and shall serve during the pleasure of the Board. Subordinate staff officers in the scientific Departments shall be appointed and removed by the Director upon the recommendation of the Chief Curators of the respective Departments. The Director shall have authority to employ and remove all other employees of the Museum.

SECTION 3. The Director shall make report to the Board at each regular meeting, recounting the operations of the Museum for the previous month. At the Annual Meeting, the Director shall make an Annual Report, reviewing the work for the previous year, which Annual Report shall be published in pamphlet form for the information of the Trustees and Members, and for free distribution in such number as the Board may direct.

## ARTICLE VII

### THE AUDITOR

SECTION 1. The Board shall appoint an Auditor, who shall hold his office during the pleasure of the Board. He shall keep proper books of account, setting forth the financial condition and transactions of the Corporation, and of the Museum, and report thereon at each regular meeting, and at such other times as may be required by the Board. He shall certify to the correctness of all bills rendered for the expenditure of the money of the Corporation.

## ARTICLE VIII

### COMMITTEES

SECTION 1. There shall be five Committees, as follows: Finance, Building, Auditing, Pension, and Executive.

SECTION 2. The Finance Committee shall consist of not less than five or more than seven members, the Auditing and Pension Committees shall each consist of three members, and the Building Committee shall consist of five members. All members of these four Committees shall be elected by ballot by the Board at the Annual Meeting, and shall hold office for one year, and until their successors are elected and qualified. In electing the members of these Committees, the Board shall designate the Chairman and Vice-Chairman by the order in which the members are named in the respective Committee; the first member named shall be Chairman, the second named the Vice-Chairman, and the third named, Second Vice-Chairman, succession to the Chairmanship being in this order in the event of the absence or disability of the Chairman.

SECTION 3. The Executive Committee shall consist of the Chairman of the Board, the President, the Chairman of the Finance Committee, the Chairman of the Building Committee, the Chairman of the Auditing Committee, the Chairman of the Pension Committee, and three other members of the Board to be elected by ballot at the Annual Meeting.

SECTION 4. Four members shall constitute a quorum of the Executive Committee, and in all standing Committees two members shall constitute a quorum. In the event that, owing to the absence or inability of members, a quorum of the regularly elected members cannot be present at any meeting of any Committee, then the Chairman thereof, or his successor, as herein provided, may summon any members of the Board of Trustees to act in place of the absentee.

SECTION 5. The Finance Committee shall have supervision of investing the endowment and other funds of the Corporation, and the care of such real estate as may become its property. It shall have authority to make and alter investments from time to time, reporting its actions to the Board of Trustees. The Finance Committee is fully authorized to cause any funds or investments of the Corporation to be made payable to bearer, and it is further authorized to cause real estate of the Corporation, its funds and investments, to be held or registered in the name of a nominee selected by it.

SECTION 6. The Building Committee shall have supervision of the construction, reconstruction, and extension of any and all buildings used for Museum purposes.

SECTION 7. The Executive Committee shall be called together from time to time as the Chairman may consider necessary, or as he may be requested to do by three members of the Committee, to act upon such matters affecting the administration of the Museum as cannot await consideration at the Regular Monthly Meetings of the Board of Trustees. It shall, before the beginning of each fiscal year, prepare and submit to the Board an itemized Budget, setting forth the probable receipts from all sources for the ensuing year, and make recommendations as to the expenditures which should be made for routine maintenance and fixed charges. Upon the adoption of the Budget by the Board, the expenditures stated are authorized.

SECTION 8. The Auditing Committee shall have supervision over all accounting and bookkeeping, and full control of the financial records. It shall cause the same, once each year, or oftener, to be examined by an expert individual or firm, and shall transmit the report of such expert individual or firm to the Board at the next ensuing regular meeting after such examination shall have taken place.

SECTION 9. The Pension Committee shall determine by such means and processes as shall be established by the Board of Trustees to whom and in what amount the Pension Fund shall be distributed. These determinations or findings shall be subject to the approval of the Board of Trustees.

SECTION 10. The Chairman of each Committee shall report the acts and proceedings thereof at the next ensuing regular meeting of the Board.

SECTION 11. The Chairman of the Board and the President shall be ex-officio members of all Committees, and the Chairman of the Board shall be Chairman of the Executive Committee. Vacancies occurring in any Committee may be filled by ballot at any regular meeting of the Board.

## ARTICLE IX

### NOMINATING COMMITTEE

SECTION 1. At the November meeting of the Board each year, a Nominating Committee of three shall be chosen by lot. Said Committee shall make nominations for membership of the Finance Committee, the Building Committee, the Auditing Committee, and the Pension Committee, and for three members of the Executive Committee, from among the Trustees, to be submitted at the ensuing December meeting and voted upon at the following Annual Meeting in January.

## ARTICLE X

SECTION 1. Whenever the word "Museum" is employed in the By-Laws of the Corporation, it shall be taken to mean the building in which the Museum as an Institution is located and operated, the material exhibited, the material in study collections, or in storage, furniture, fixtures, cases, tools, records, books, and all appurtenances of the Institution and the workings, researches, installations, expenditures, field work, laboratories, library, publications, lecture courses, and all scientific and maintenance activities.

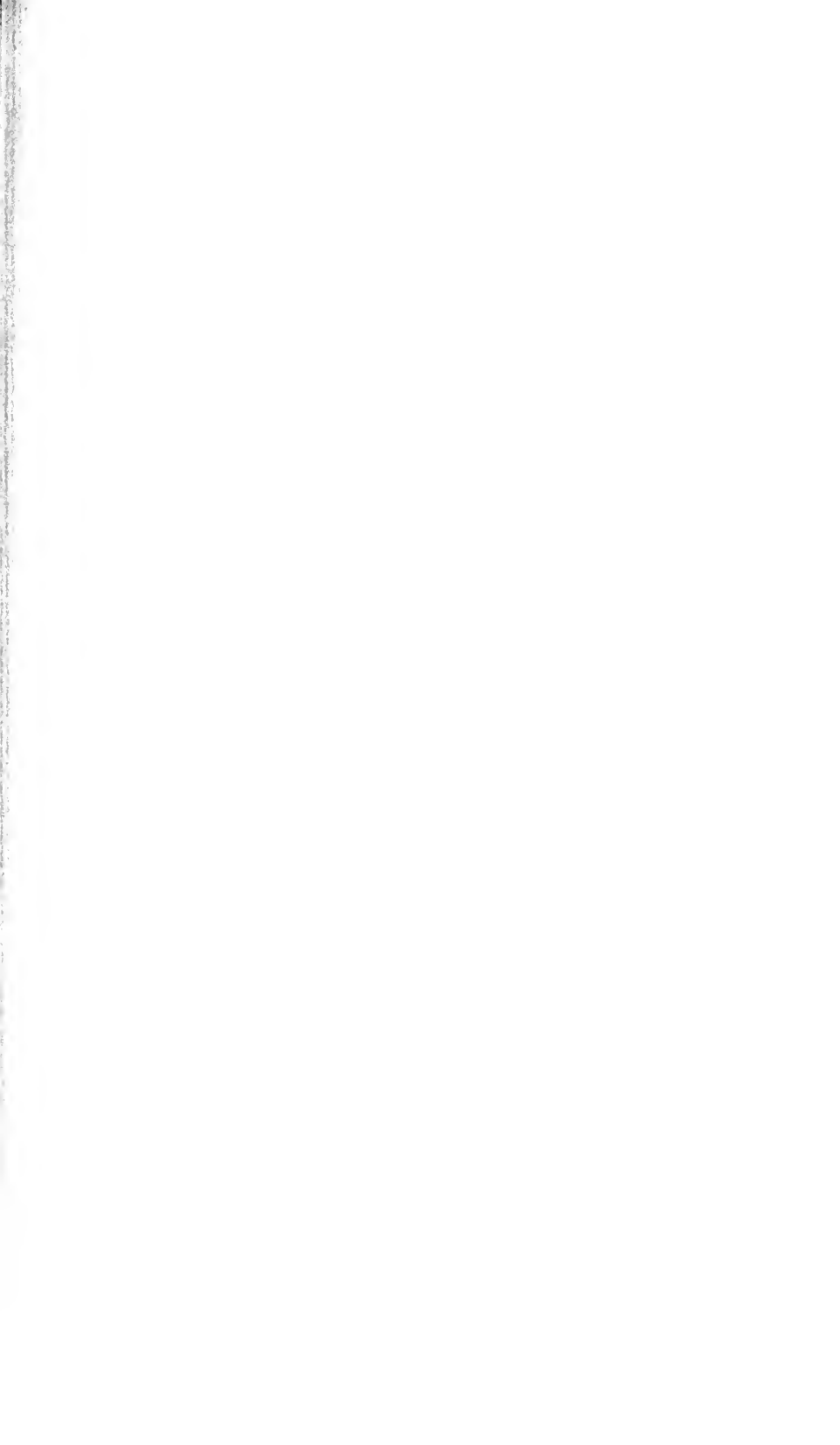
SECTION 2. The By-Laws, and likewise the Articles of Incorporation, may be amended at any regular meeting of the Board of Trustees by a vote in favor thereof of not less than two-thirds of all the members present, provided the amendment shall have been proposed at a preceding regular meeting.











CHICAGO  
NATURAL  
HISTORY  
MUSEUM











UNIVERSITY OF ILLINOIS-URBANA



3 0112 084205001