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FIELD MUSEUM OF NATURAL HISTORY

Report 1977-1978

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**FIELD MUSEUM
OF NATURAL HISTORY**

Report 1977-1978



In the past two years, Field Museum has presented enormously successful exhibits, offered a full spectrum of public programs, and maintained a complexity of scientific research projects. All of this has been accomplished while executing one of the largest building renovations in United States museum history. That we were able to bring this eight-year-long, \$26-million project to virtual completion during this extremely active period is evidence of the co-operation of many segments of the Museum's community and is a tribute to the special strengths and resources of the institution.

To begin, the collective generosity of the Museum's friends—children, adults, corporations, and foundations—combined to raise a total of \$12,623,925 for the Capital Campaign completed in 1974. This sum enabled the Museum to qualify for a matching \$12.5 million from the Chicago Park District bonding authority. We owe thanks to our donors, the taxpayers of Chicago, and also to our Trustees and many volunteers from the Women's Board and the corporate community for their dedicated efforts on our behalf.

Next, architects, construction managers, contractors, Museum Trustees, and staff worked together to plan and execute this massive program. Many of the improvements have been detailed in earlier reports and still others are cited in these pages. Field Museum has been changed; it has improved. And we are proud of it.

From April 15 through August 15, 1977, even as the renovation work proceeded, the Museum was host to the enormously popular "Treasures of Tutankhamun" exhibition. The United States tour of 55 objects from the tomb of the Egyptian pharaoh Tutankhamun included six American cities; Field Museum and the Oriental Institute of the University of Chicago were co-sponsors in Chicago. Admission to the exhibition was free; the regular Museum admission fees remained in effect.

The exhibition was visited by 1,348,000 people. This is the largest attendance for the Tutankhamun tour and, to our knowledge, the greatest attendance for a temporary exhibition in the United States. According to the Chicago Convention and Tourism Bureau, the city's hotel and restaurant trade received a substantial \$30-million boost from the estimated 300,000 out-of-town visitors drawn to the exhibition. This was clearly a unique phenomenon in the Museum's history.

A second major temporary exhibit attracted considerable public and critical attention during this two-year period. From February 15 through May 21, 1978, "Peru's Golden Treasures," the largest collection of Peruvian gold artifacts ever shown in the United States, was on display at the Museum. This exhibit attracted more than 313,000 visitors over the four-month period and, again, no special admission fee was levied.



Visitors lined up to view "Treasures of Tutankhamun" in summer, 1977.

Although high attendance figures are certainly important, the success of exhibitions must be measured in long-term gains as well. As a result of these outstanding exhibitions, many people were made aware of Field Museum for the first time; others returned to renew old ties. Membership, participation in Museum activities, and volunteer service all increased. This very positive response to the Museum and its many offerings is not only immediately rewarding, but provides strength for the future.

As we look ahead, it is clear that there is much to be done; work to be continued, new work to begin. For example, drawing on the richness of our collections and the creativity of our staff, we plan the renovation of our permanent exhibition halls—some have been substantially unchanged for decades. We must devote time and resources to the conservation of our irreplaceable anthropology collections. It is unthinkable that this world-resource would be allowed to succumb to the ravages of decay. The prospects are exciting and stimulating—yet, we are seriously concerned. Ever-spiralling inflation faces Field Museum just as it does every family, company, and institution in the nation. If inflation continues at its present rate—with no increase, Field Museum will have to *double* its income in less than 10 years to keep pace. How can that be done? Finding the answer to that question is our single greatest challenge. New methods of support must be found and tested; new configurations of public and private collaboration must be devised.



Governor Thompson and Museum President-Director Webber at signing of bill granting support to Illinois museums. (Riccardo Levi-Setti photo).

The Commitment to Distinction, begun in 1975 to provide funds for operations and necessary capital improvements over a five-year period, has continued its initial success and details of the program are given on pages 4-5.

An important step was taken during this biennium when the Illinois General Assembly passed a bill, introduced by Representative Michael Madigan, appropriating \$3,000,000 in support of Illinois museums on public lands. Governor Thompson, mindful of the legitimate responsibility of the state of partial support of museums that serve all of the people of Illinois, yet painfully aware, also, of the financial problems of the state, signed the bill into law at the level of \$500,000, using his amendatory veto power. Field Museum received \$95,000 from this appropriation. We wish to express appreciation to the General Assembly, Representative Madigan, and to Governor Thompson for this precedent-setting action

which holds promise of a new partnership of local, state, and federal funding of major museums.

The newly formed federal Institute of Museum Services granted Field Museum \$25,000, joining in a modest way the National Science Foundation, the National Endowment for the Arts, and the National Endowment for the Humanities, which for years have granted generous and pivotal support to Field Museum's programs.

It is these new and old programs of governmental support that, when melded with steadily increasing and generous contributions from individuals, endowments, corporations, and foundations, lend encouragement as we look ahead. We know that our greatest wealth lies in the almost 1,000 men and women—staff, Trustees, Women's Board members, and volunteers—who combine their talent, energy, and mutual confidence and respect to further the goals of Field Museum. But, after all, we return to the inescapable premise that inflation must be brought under control if Field Museum, and, in fact, all private cultural, educational, and social service institutions are to survive in their historic forms.

Planning and Development

Development Division

The *Bulletin*

Membership Division

Public Relations Division

Field Museum has structured a series of supportive divisions—separate entities yet closely intertwined and interdependent—that work to implement the goals of the Department of Planning and Development. The entire concept of this office is dependent upon a triple-faceted thrust: development, membership, and public relations.

The Department of Planning and Development and, specifically, the Development Division, seeks corporate, foundation, and individual support not only for the present needs of the Museum, but also for the future as well.

The Commitment to Distinction, begun in late 1976, recorded \$1.7 million in gifts by the close of that year, and this initial success has continued. In addition, during this period, the Museum received three-year challenge grant awards from both the National Endowment for the Humanities and the National Endowment for the Arts. These grants total \$1.5 million. This sum is the largest granted to any museum in the

country by the two endowments' combined grants—an amount awarded to a very limited number of the nation's major museums.

The Commitment to Distinction program and the challenge grants have complemented one another. By the end of 1978, the Museum had successfully met the matching requirements for the first and second years of the grants, receiving \$400,000 from the National Endowment for the Arts and \$800,000 from the National Endowment for the Humanities. Funds from the Commitment to Distinction have already been used to close the income gaps for the years 1976-1978.

In 1978 the Commitment to Distinction was re-evaluated by the Board of Trustees, as it will be every two years, and was updated to 1982 with a goal of \$13.3 million.

Robert O. Bass, vice chairman and chief operating officer, Borg-Warner Corporation and a Museum Trustee, succeeded Bowen Blair, partner, William Blair & Company, as chairman of the Corporate and Foundations Gift Division of the Commitment to Distinction program. Mr. Blair, also a Trustee, and chairman of the Resource Planning and Development Committee of the Board, remains as General Chairman of the program. During 1978, Mr. Bass recruited a team of 45 volunteer corporate executives and this group resumed the efforts of Mr. Blair's 1977 team, obtaining pledges and gifts to our program from corporations and foundations.

During 1977-1978 contributions to the program and for other Museum purposes totalled \$2,905,868 from individuals and \$2,034,448 from corporations and foundations for a total of \$4,940,316. This remarkable sum came from the more than 4,500 individuals who are currently contributing to the Museum over and above membership dues and 500 corporations and foundations. It is these donors who, together with government and the users of the Museum, keep Field Museum the strong and dynamic institution that it is. Particularly generous donors during the biennium were:

Benefactors: Helen L. Kellogg (bequest), Mr. and Mrs. Ray A. Kroc, Ellen Thorne Smith (bequest), Harold E. Stuart Trust, Amoco Foundation, Field Enterprises Charitable Corporation, The Joyce Foundation, Robert R. McCormick Charitable Trust, and the Woods Charitable Trust.

Major Donors: Mr. and Mrs. Walter L. Cherry, Mr. and Mrs. Eugene A. Davidson (Sterling Morton Charitable Trust), Mr. and Mrs. Joseph N. Field, Mr. and Mrs. John W. Leslie, Mr. and Mrs. William H. Mitchell, Mr. and Mrs. John S. Runnells, Commonwealth Edison Company, Continental Bank Foundation, The Chicago Community Trust, International Harvester, The Walter E. Heller Foundation, The Nalco Foundation, The

Dr. Scholl Foundation, Sears, Roebuck & Company, The Frederick Henry Prince Trust, and Arthur Young & Company.

Also in 1978, further progress was made in the establishment of a Bequests and Deferred Giving Program as an integral part of the Commitment to Distinction. Documents necessary for such a program were developed and these were to be sent to the Board of Trustees in early 1979 for formal approval and implementation. (See p. 9 for information on bequests.)

Field Museum relies on its members not only for their interest, concern, and enthusiasm, but for their financial support as well. Outstanding exhibitions during 1977-1978, most notably "The Treasures of Tutankhamun" and "Peru's Golden Treasures," attracted many new members. Impressively, at the close of 1978 the Museum's membership numbered 43,457 as compared to 26,125 at the end of 1976.

Many special opportunities were given members during the past two years, including tours to Egypt and Peru, exhibit previews, dinner lectures, environmental fieldtrips, and adult evening study courses.

Further, each member of Field Museum receives as a benefit of membership a subscription to the *Bulletin*, issued 11 times a year. As the institution's main line of communication with its members, the magazine carries announcements of new and continuing temporary exhibits and educational programs such as films, lectures, workshops, field trips, demonstrations, and educational courses.

Initiated in 1930 as a four-page publication—then called *Field Museum News*—the *Bulletin* is now regularly 28 to 36 pages, and its horizons have broadened from exclusive concern with Field Museum affairs to the general realm of natural history; the magazine's focus, however, continues to be Field Museum expeditions, the Museum's collections, research activities, educational programs, exhibits, the history of the Museum, and related matters.

It is the responsibility of the Public Relations Division to reach out not only to the membership, but also to the general public, and to make known the goals, functions, and purposes of Field Museum. Three major goals of the Museum—an increase in paid admissions, an emphasis on the Museum as a scientific institution, and a broadening of the base of membership support—are heavily dependent on Public Relations assistance.

During 1977 this division met the challenge of co-ordinating the many publicity aspects of the Museum's presentation of the "Treasures of Tutankhamun" exhibition. The division furnished information and arranged interviews for media sources in Illinois and several surrounding states. This extraordinarily successful exhibition dramatized the



Women's Board Presidents, past and present (left to right): Mrs. Edward F. Swift (current President), Mrs. Joseph E. Rich (1976-1978), Mrs. Thomas E. Donnelly II (1974-1976), Mrs. B. Edward Bensinger (1972-1974), and Mrs. Edward Byron Smith (1970-1972). Mrs. Hermon Dunlap Smith (1966-1970), founding President, died in 1977.

Museum's position as a vast cultural resource and made individuals, corporate groups, and governmental agencies more keenly aware of its significant values.

Women's Board

In the 12 years since its founding, the Women's Board has steadily grown as an organization that has become central to the well-being and strength of Field Museum. Board members have traditionally been involved in a variety of Museum activities. At the close of 1978, three Board members were serving on the Board of Trustees, eight on Board committees, and many more as valued volunteers.

Mrs. Joseph E. Rich, a devoted and innovative president, completed her term of office at the 1978 annual meeting and was succeeded by Mrs. Edward F. Swift, who ably leads the Board in its many activities.

With the death of the Women's Board founder and first president, Mrs. Hermon Dunlap Smith, on March 16, 1977, Field Museum lost one of its warmest friends and most dedicated supporters. Her memory will continue for many years to come through the activities of the Women's Board, which she inspired.

The Board sponsored memorable special events in the past two years. The gala event for 1977 was a tremendously successful dinner held on

April 12 to preview the opening of the "Treasures of Tutankhamun" exhibition. This event was planned and executed in conjunction with the Women's Board of the University of Chicago. On February 14, 1978, a special dinner preview in honor of "Peru's Golden Treasures" was sponsored by the Board.

In October, 1978, Women's Board Secretary Alexandra Mente resigned; she was succeeded by Susan VandenBosch.

Board of Trustees

At the annual meeting of the Board of Trustees on January 16, 1978, William G. Swartchild, Jr., retired, Swartchild & Company, was elected Chairman of the Board, succeeding Blaine J. Yarrington, executive vice president, Standard Oil Company (Indiana), Chairman since 1974.

The various Board committees employ an alternating schedule of two-year chairmanships. Vice-chairmen named in 1977 to head Board committees were James J. O'Connor, Public Affairs Committee, and John S. Runnells, Program Planning and Evaluation Committee. At that time also, Mrs. Theodore D. Teiken was elected Secretary to the Board. In 1978, the following Trustees were named chairmen of committees: Bowen Blair, Resource Planning and Development; James H. Ransom, Internal Affairs; John W. Sullivan, Facilities Planning.

The following were elected to the Board during 1977-1978: Mrs. T. Stanton Armour; Robert O. Bass, vice chairman and chief operating officer, Borg Warner Corporation; and Edward R. Telling, chairman, Sears, Roebuck & Co. On her election as President of the Women's Board, Mrs. Edward F. Swift replaced Mrs. Joseph E. Rich as a Trustee for a term concurrent with her term as President of the Women's Board.

Donald Richards, president, The Richards Foundation, and Remick McDowell, former chairman, Peoples Gas Co., were elected Life Trustees in 1977.

John G. Searle, who was elected to the Board in 1951 and who became a Life Trustee in 1971, died in 1977. One of the Museum's most generous donors, Mr. Searle displayed a strong interest in and support of the institution's research program. In appreciation of both his interest and contributions, the Museum's collection of preserved plants was named the John G. Searle Herbarium in 1972.

The Museum has also marked with sorrow the deaths of Life Trustees Hughston McBain, J. Roscoe Miller, and Louis Ware.

Contributions and Bequests

As an integral part of the Commitment to Distinction program, the Trustees have established a committee on bequests and deferred giving. It is planned to have a Bequests and Deferred Giving Program formally launched in early-1979. The major goal of the program, administered by the Department of Planning and Development, will be the growth of the Museum's Endowment Fund.

As late as 1950, income from the Museum's Endowment Fund supported almost 80 per cent of the annual budget; by the late-1970's that same Endowment Fund income sustained only 20 per cent of the budget. For some time we have depended upon gifts from the private sector to bridge the gap between known non-contributed income and budgetary needs, and for an indefinite time to come we will find it necessary to seek annual gifts for this purpose.

Over the long term, however, the Museum will not be able to sustain its vast research and educational programs with annual gifts alone. The needed support must be achieved in part by increasing the Museum endowment. While the Board of Trustees will continue to seek major gifts and annual, on-going gifts for the near-term, the very survival of the institution will depend upon endowment that will grow over the years. Such an endowment is built primarily through bequests and other forms of deferred gifts.

The aim of a Bequests and Deferred Giving Program is to continue the tradition begun by Marshall Field I in 1906. It was through Mr. Field's generosity that the Museum was founded in 1893. Then, following his death in 1906, a generous bequest from him not only helped to construct the Museum's present building but also initiated the Endowment Fund. It was, in fact, this endowment, augmented by other gifts and bequests of the Field family and of other prominent Chicagoans, that largely sustained the Museum's annual operating budget from 1906 through the 1940's. Of course, no one at the opening of the century could have foreseen the ravaging inflation of the 1960's and 1970's that would erode the purchasing power of those endowment dollars.

Field Museum has been fortunate that in recent years Museum members and friends have continued in the spirit of those original benefactors and have provided further support for the Museum by augmenting the Endowment Fund through their bequests. A person making a bequest to the Museum makes his gift as perpetual as natural history itself.

To obtain further information on the needs of Field Museum, or for an appointment, those interested in remembering the Museum in their wills

or through other forms of deferred gifts, should contact the Planning and Development Officer:

Thomas R. Sanders
Planning and Development
Field Museum of Natural History
East Roosevelt Road at Lake Shore Drive
Chicago, IL 60605

or telephone (312) 922-9410, extension 207.

The Programs

Scientific Programs

Anthropology Botany Geology Zoology

Research and Publication

The trend, first reported in our 1975-1976 Report, toward smaller and more precisely focused field studies has continued. As prairies, plains, and forests yield to the pressures of man's development, the opportunities for field studies steadily decrease. Fortunately, Field Museum was able to increase the number of field trips conducted in the past two years. Much work needs to be done before the opportunity to know ourselves, our work and our past is forever lost.

The Western Australian Field Program, begun in 1976 in co-operation with the Western Australian Museum, Perth, extended through 1977 and 1978. The purpose of this ambitious expedition was the investigation of the biology of both the Kimberly region in northwest Australia and the southern coastal areas of that continent. Not even the most basic collecting surveys had been made in this area before. Several staff members were involved in this project over the four-year period and results have been impressive.

In 1977, entomologist John Kethley completed his collecting in Western Australia and Tasmania. In addition to general insect collections, Kethley made 300 Berlese samples of leaf litter and gathered approximately 300,000 insect specimens. Under the direction of Laurel Keller, an assistant in the Division of Mammals, 1,200 mammal specimens were obtained. Malacologist Alan Solem collected 1,775 sets of snails—approximately 50,000 individual specimens, some two-thirds of which are new to science.

John Engel, a specialist in the study of liverworts, spent four months collecting in Tasmania. Liverworts are an ancient group of plants related to mosses; they are small, survive well in crevices, and generally disperse only over short distances. For these reasons, liverworts may represent ancient patterns of distribution and those from the southern end of the world may have geographic patterns that reflect climates and relationships of long ago. But geographic inference depends on good taxonomy; the same species cannot have different names in different places. As part of such taxonomic work, Engel plans to write a manual on the liverworts of Tasmania, something never done before. To this end, he spent four months collecting in Tasmania, where he surveyed many habitats and altitudes.

All of the Museum's staff involved in the Western Australia Expedition have returned to the Museum and another cycle of research has begun. Several important studies based on material gathered in the field are in preparation and others are in press. The impact of this extraordinary venture will continue to develop as time passes.

The success of this expedition was due in large part to the co-operation of colleagues and institutions in Australia, the leadership and gifts of Mr. and Mrs. William S. Street, and grants from the National Science Foundation, the National Geographic Society, and the Museum's general funds.

An authority on the cultures of Peru, archaeologist Michael Moseley continued his studies in that country. He is concentrating on understanding and isolating the environmental factors underlying agrarian collapse. These factors include tectonic uplift of the coastlands, formation of massive, migrating sand dunes that inundate agriculture areas, and, rare, but apparently recurrent catastrophic floods capable of destroying entire irrigation systems. In conjunction with the Tiwanaku Archaeological Foundation, a program of subsurface geophysical exploration using equipment donated by Soiltest, Inc. was initiated at Bolivia's major archaeological monument. The exploration isolated several "hot spots" that should, following excavation, prove to be locations of megalithic monuments.

During the antarctic summer in early 1977, an expedition financed by the National Science Foundation and consisting of Field Museum's mineralogist Edward Olsen, William Cassidy of the University of Pittsburgh, and Keiso Yanai of the National Institute of Polar Research in Tokyo recovered a group of 10 meteorites from the Antarctic Range in a region called Victorialand. Normally, meteorites are quite rare and widely dispersed over the world. In warm, humid climates, they weather and oxidize away in relatively short periods of time. In Antarctica, how-



Curator Edward Olsen on expedition in Antarctica.

ever, where it is intensely cold and dry, meteorites remain well preserved. In addition, movements of ice on the 5½-million-square-mile ice cap tend to concentrate the meteorites. Among the meteorites recovered is one weighing 407,000 grams, almost one-half ton. This is the largest meteorite ever found in Antarctica and is one of the six largest stone meteorites recovered anywhere in the world.

All in all, 35 staff members from the scientific departments conducted fieldwork in 1977-1978. They went to locations in the United States, to Mexico, Costa Rica, Belize, Panama, Venezuela, Ecuador, Peru, Bolivia, Argentina, Antarctica, England, Australia, New Zealand, the Philippines, Malaysia, Indonesia, India, Pakistan, Sri Lanka, Kenya, and the Southern Sudan.

Publication is the end result of most scientific research and field work. In 1977 two especially noteworthy books by Museum curators were published: *Manual of Neotropical Birds, Volume 1* by Emmet R. Blake (723 pages) and *Living New World Monkeys (Platyrrhini) Volume 1* by Phillip Hershkovitz (1,117 pages). Both volumes were published by the University of Chicago Press. These works, each of which have received laudatory reviews, are the culmination of years of meticulous preparation.

Forty-five titles, amounting to a total of 2,650 pages, were published in *Fieldiana*, the Museum's four scientific series in 1977-1978. Including



Museum assistant Daniel Summers at work in the Division of Insects collection storage area. (Fleur Hales photo).

those appearing in *Fieldiana*, Museum staff published 153 scientific papers and books in this period. The unusual diversity of these publications can be ascertained from the list beginning on page 25.

Study Collections

Field Museum's collections of over 13.5 million specimens comprise a vast resource for not only Museum staff members, but for students and researchers around the world. In 1977-1978 the scientific departments made loans of more than 125,000 specimens to scientists and students for research and to other museums for exhibition. Additionally, more than 2,500 researchers and university students visited the Museum to consult with our staff or to examine specimens.

Although the size of its collections is one of the major strengths of Field Museum and has done much to enhance its stature worldwide, we do not acquire new material simply for the sake of growth. Several years ago the staff and trustees developed an accession policy which, among other things, sets priorities for the acquisition of new materials in terms of our traditional and current areas of interest. This policy has been described by one writer as ". . . more complete, more specific and more detailed than any we have seen . . . a polished, detailed and sophisticated document, very evidently compiled by a group of responsible persons after a lengthy and serious study of very complex problems involving the museum and its relations with the world."

The acquisition of collections is one of the major responsibilities of a museum; the preservation of those collections for generations yet to come is another. As a means of fulfilling this trust and, simultaneously, providing for expansion space which will be required even for the limited collection increase that will result from the new accession policy, significant new storage areas and much-needed laboratory and office spaces were added in the departments of anthropology, botany, and zoology. This was another facet of the building renovation program.

A series of massive and complicated moves were necessary in order to take full advantage of the new space as well as the old. These moves have been completed with scarcely an interruption in the services that we provide to the scientific community.

The Department of Anthropology has what we believe to be one of the finest specialized study storage facilities in the museum world. The four-level, climatically controlled area houses about 300,000 specimens or 75 per cent of the department's collections.

In conjunction with this central storage facility, an Anthropology Information Management System is being developed. Assisted by grants from the National Endowment for the Arts and an equipment gift from the Digital Equipment Corporation, this computerized system will assist in the management of the collection, including maintaining the inventory and recording the location of all objects within the facility.

In the Department of Zoology, the new Ellen Thorne Smith Bird and Mammal Study Center now provides a modern, secure, and functional facility for the housing of one of the world's great collections, as well as work and study space for staff, visiting scientists, and students. The center was made possible by a generous gift in honor of Mrs. Smith by her husband, Hermon Dunlap Smith.

The reorganization of the bird and mammal collections was, as might be expected, a massive task. For example, in the Division of Mammals, old cases and 724 new cases were mounted on compact storage carriers allowing for much more dense storage than was possible previously. Over 120,000 specimens were moved into the new collection units.

Also in the Department of Zoology, the space of the Division of Insects was almost doubled and most offices and collections were relocated for greater efficiency as a result of the renovation. Further, the Division of Fishes was enlarged by one-third through the addition of new shelving. During the expansion process, each one of the 90,000 jars containing the fish collection was washed and checked for proper storage maintenance.

In the past, the Department of Botany had only one collection range. After razing all of the walls in one corridor and moving the Division of

Photography to new quarters, a second large collection range was created. Offices, laboratories, and library space also were relocated.

The Biological Research Resources Program of the National Science Foundation, under a program initiated in 1972, continued to provide significant and critical support for several of our research collections. These funds, used for personnel, supplies, and equipment, have made it possible for us to continue to serve the needs of the research community effectively.

Entirely new quarters were provided the Division of Photography, aided by generous gifts from Mrs. David W. Stewart of Rochester, N. Y. in memory of her aunt, Hedwig H. Mueller.

Even as new space was being allocated, collection growth went on—as it must. Collections of breadth and high quality are essential to a great museum for both scholarly and exhibition purposes. Therefore, the selective building of our collections continues to be a priority of the Museum. Although all departmental collections grew during this biennium, a number of particularly noteworthy gifts have been made recently to the Department of Anthropology.

A collection of more than 100 Japanese lacquer objects, boxes, *inro*, and miniature shrines, collected with great care and discrimination by John Woodworth Leslie over a period of decades, was presented by Mr. Leslie. Many of these pieces of extraordinary quality will be exhibited in 1979.

Mr. and Mrs. Theodore VanZelst continued to make generous gifts, including a collection of American Indian trade silver and three fine groups of Alaskan, Pacific Northwest, and Canadian Arctic ethnological specimens.

Mr. and Mrs. John Mayo Mitchell presented a fine collection of American Indian trade silver that complements nicely both the Museum's original collection and the collection given by Mr. and Mrs. VanZelst.

Mrs. Helen L. Kellogg, who died in 1978, bequeathed a pair of fine T'ang pottery horses, as well as a generous sum of money, to the Museum.

An outstanding collection of Japanese art, especially strong in ceramics and book illustrations, was given to the Museum by G. E. Boone in 1978. This collection will provide the nucleus for a systematic and comprehensive collection of Japanese arts and crafts.

All of these gifts came from private individuals. It is believed that Field Museum's evident concern and care for its vast collections and the continuing efforts to maintain their high quality offer assurance to these collectors that their collections will be treated with equal respect.

Inro from collection of
lacquerware given to Museum
by Mr. John Woodworth Leslie.



Scientific Staff Changes

Loren P. Woods, Curator and Head, Division of Fishes, retired in 1978 after nearly 40 years on the Museum's staff.

New additions to the curatorial staff during this period are:

Sue Carole DeVale, Ethno-Musicologist, Gamelan Project. Dr. DeVale's work will center on the many musical instruments in the anthropological collection.

Michael Dillon, Visiting Assistant Curator, Botany. Dr. Dillon works on the plants of Peru and Veracruz, Mexico and has a special interest in the family Compositae.

John W. Fitzpatrick, Assistant Curator, Birds and Head, Division of Birds. His research centers on the bird family Tyrannidae.

Patricia W. Freeman, Assistant Curator, Mammals and Head, Division of Mammals. Dr. Freeman's interests are in mammalian evolution, systematics, and functional morphology.

Larry G. Marshall, Visiting Assistant Curator, Geology. Fossil mammals and their evolution on small islands, and the geochronology of Tertiary deposits are Dr. Marshall's special areas of study.

Timothy C. Plowman, Assistant Curator, Vascular Plants. Dr. Plowman is a specialist in the family Erythroxylaceae and in useful and medicinal plants of the upper Amazonian Basin.

David M. Raup, Curator and Chairman, Department of Geology. Dr. Raup's research interests include mathematical models of evolution, the geologic history of biologic diversity, and the evolution of the Jurassic ammonite genus *Kosmoceras*.

At the end of 1977, Robert F. Inger, Assistant Director, Science and Education, chose to resign his administrative post to further pursue his scientific work as Curator, Amphibians and Reptiles. As the first incumbent in this position, he helped to shape the Museum's research and public programs to meet the challenges of future years. He was succeeded by Lorin I. Nevling, Jr., former Curator and Chairman, Department of Botany.

Education Programs

The Department of Education has been in a period of growth and transition for the past several years. During 1977 the structure and programmatic workings of the department were realigned to better serve the public, regardless of age. Two divisions, Group Programs and Public Programs, now plan, design, and implement specialized offerings.

The Group Programs division incorporates school-curriculum-oriented tours, workshops, and loan materials to the Chicago metropolitan community and beyond. School groups receive instruction in the Museum setting that is a unique experience and supplements the school studies. A vast array of teaching materials is available for both pre- and post-visit use through the N. W. Harris Extension. Although school enrollment is declining and this decline is reflected in Museum attendance by school groups, program services to schools increased 12 per cent in 1978. During 1977-1978, 465,388 students and teachers in 9,570 groups came to Field Museum for programs and to use exhibits.

New loan materials, called "Discovery Units" and designed for integration into school curricula and classroom use, were produced by Harris Extension. These units include "Experience Boxes" which contain replicas or real artifacts and specimens for students to handle, slide packets, teacher guides, and suggestions for classroom activities. New topics focus



Javanese dancers perform Topeng Babakan, a village mask dance, accompanied by Museum's gamelan.

on prehistoric life, pottery, birds, woodland Indians, Africa, Illinois prairies, and Chicago geology. Thirteen distribution centers in the Chicago metropolitan area distribute "Discovery Units" in conjunction with material delivered to 385 Chicago schools on a regular rotation schedule.

The Public Programs division develops and presents a variety of offerings geared to families and individuals who seek more information related to Museum exhibits and collections. Highlights of the past two years include the distinguished lecture series on Tutankhamun and another on "Peru's Golden Treasures"; the Anthropology Film Festival; the Noh, Inuk and the Sun dramas; lectures by Gerald Durrell and Richard Leakey; and the consistently popular Ayer lectures.

Our programs have increased in popularity as the Museum's membership has grown. For example, the number of Ray A. Kroc Environmental Field Trips nearly doubled from 47 in 1977 to 85 in 1978, with 4,442 adults and families participating in two years. These one-day trips were led by one or more specialists in the biology, geology, or ecology of such locales as the Indiana Dunes, Volo Bog, Moraine Hills State Park, Illinois State Park, and the Ryerson Conservation Area. Courses for adults also increased and 73 courses were held during 1977-1978, with total enrollment of 2,161.

A new dimension in programming began with the completed restoration of the Museum's Sudanese (West Javanese) gamelan. This gamelan, an ensemble of 24 musical instruments consisting of bronze and wood sounding parts supported by sculptured frames, appears to be about 130 years old, and is one of the great ensembles of non-Western musical instruments in existence. Unplayed since 1893 at the World's Columbian Exposition, the gamelan was restored by a team of conservation volunteers who worked under the direction of Louis Pomerantz, art conservator; Ernst Heins, ethno-musicologist and gamelan expert; and Museum program director Sue Carole DeVale, Grants from the National Endowment for the Arts and from the Walter E. Heller Foundation supported the restoration project.

The gamelan was enjoyed in concert January 14, 1978. This concert was the beginning of a series of events based on ethno-musicology, including Javanese shadow plays, gamelan courses, an international festival of music and dance, and children's music workshops.

The innovative participatory exhibit "Place for Wonder," which opened at the close of 1976, has been a great success and since its opening 146,642 people have taken advantage of the privilege of "hands on" examination of the artifacts and specimens presented there.

The "Pawnee Earth Lodge," another participatory exhibit, opened October 15, 1977. Members of the Pawnee (Oklahoma) tribe served as consultants during the design and construction of the dwelling, made objects for it, and participated in taping four programs of seasonal Pawnee activities and ceremonies. Visitors are invited to sit on buffalo skin robes, to hear about daily life and legends, and to examine artifacts representative of Pawnee activities. The lodge has hosted 39,144 visitors for special programs since it opened.

Both the "Place for Wonder" and the "Pawnee Earth Lodge" are manned exclusively by volunteers. The volunteer program, which is administered by the Public Programs division, has expanded and continues

Volunteer Judith Spicehandler
at work on gamelan restoration project.
(Louis Pomerantz photo).



to be a source of major support to Museum staff and programs. At the close of 1978, the Museum was benefitting from the services of 280 volunteers. During 1977-1978 volunteers contributed 116,140 hours—the equivalent of 66 man years. In 1978, 13 individuals each gave more than 500 hours of volunteer service.

Volunteer work was performed in all four scientific departments, as well as in photography, education, exhibition, the library, membership, public relations, and publications. During the Tutankhamun exhibition, 350 trained volunteers gave a stunning total of 23,854 hours to that project alone. Many of those who were recruited for this exhibition stayed on to work in the scientific, exhibition, and education departments; 150 Tut volunteers returned to contribute 5,764 hours of assistance to "Peru's Golden Treasures."

Further, 26 weekend volunteers share their specially developed tours, participatory activities, and workshops with Museum visitors of all ages throughout the year. Based on permanent and temporary exhibits, 694 programs were presented by volunteers to 21,659 weekend visitors in this two-year period. Most of the weekend volunteers are employed during the week; their weekend volunteer service is evidence of a special and much appreciated commitment.

All of the activities discussed here are organized and administered in new facilities. Prior to the Museum's renovation, the offices of the Department of Education were located in several distant parts of the building, making co-operative efforts and co-ordination a difficult matter. The renovation permitted the department to be located entirely on the ground floor with extensive and pleasant new offices, work areas, and conference rooms. The A. Montgomery Ward Lecture Hall was extensively and elegantly refurbished. Three new and flexible lecture rooms were constructed and a new teaching laboratory was added. Altogether, the educational facilities now available at the Museum may be unrivalled by any similar institution.

In October, 1978, Carolyn P. Blackmon succeeded Alice P. Carnes as Chairman, Department of Education. Her previous positions on the department staff included: Acting Co-ordinator, Harris Extension, Volunteers; Co-ordinator, Special Educational Services; and Head, Public Programs.

Library

This has been a particularly busy and productive biennium for the Library. As a result of the building renovation program, new or expanded facilities were provided for each of the departmental and divisional libraries, resulting in shelf space for at least 15 to 20 years' expansion. Each of the 200,000 volumes in the collection had to be moved, some more than once. At the end of 1978, only the Botany library remained to be moved and reorganized.

In March, 1978, the Library joined OCLC, an on-line cataloging system and union catalog that includes over 700 libraries throughout the nation. Use of the system has significantly reduced the time required for cataloging books and preparation of cards for the Library's catalogs and has increased productivity.

The sharp rise in the cost of books and periodicals due to inflation and the decline in the purchasing power of the dollar with respect to other currencies continues to be the Library's chief problem. This is a particularly thorny problem as much of the Library's buying is done overseas. The cost of subscriptions to on-going periodicals accounts for an ever-greater share of the book and periodical budget every year. The number of books purchased in this biennium was, nevertheless, increased by a significant 30 per cent. This increase was largely due to gifts made to the Museum for this purpose by Mr. and Mrs. Walter Cherry in memory of their son, Samuel M. (Cherry Library Fund); Mrs. Chester D. Tripp (Jane

B. Tripp Library Fund); and Mr. and Mrs. Louis A. Wagner (Louis A. and Frances B. Wagner Library Fund).

Exhibition Program

The sharing of exhibits with the worldwide museum community brought particularly outstanding materials to Field Museum in 1977-1978. The major exhibition event of the period was the 1977 presentation of the resoundingly successful "Treasures of Tutankhamun". With the aid of grants from the National Endowment for the Humanities, Exxon Corporation, and the Robert Wood Johnson, Jr. Charitable Trust, the Metropolitan Museum of Art in co-operation with the Organization of Antiquities of the Arab Republic of Egypt arranged this loan exhibition.

The unique installation at Field Museum suggested an actual tomb with a dramatic entranceway and artifacts displayed in eight adjoining chambers. As visitors waited to enter the "tomb," they followed special, innovative admission procedures designed to handle the huge crowds most effectively. Each visitor received a numbered ticket; television monitors located throughout the public areas of the Museum relayed waiting times and ticket numbers currently being admitted to the exhibition. Ticket in hand, visitors, therefore, did not have to wait in line, but were free to tour the Museum as they waited for their numbers to be flashed on the monitors' screens.

From February 15 through May 21, 1978, "Peru's Golden Treasures" was on display at the Museum. Like the Egyptian exhibition, this too was the result of a co-operative effort between funding agencies, museums, and government. "Peru's Golden Treasures" came to the United States under the auspices of the National Institute of Culture of the Peruvian government. It was organized by the American Museum of Natural History and was supported by a federal indemnity from the Federal Council on the Arts and Humanities, United States.

Field Museum's installation of this exhibition combined pieces from the Museum's collection with those from the Museo Oro del Peru to establish a context for understanding the five major periods in Peru's prehistory. A 75-page catalog with 32 color plates was published by the Museum to complement the exhibition.

Still other temporary exhibits loaned to the Museum included: "Yoruk: Nomadic Weaving," "Imperial China: Photography: 1846-1912," "Chinese Folk Art," "Locks of Iran," "Indian Metalwork," and "Rails of the World."



"Peru's Golden Treasures" exhibition.

Several intriguing temporary exhibits originating in the Museum and surveying special subjects were featured in the past two years, including: "Cash, Canon and Cowrie Shells: Non-modern Money of the World," "Basketry of Northwest Coast Indians," and two exhibits celebrating the publication of books by Curators Emeritus Blake and Hershkovitz.

The renovation of the Museum's four halls dealing with the cultures of North American Indians, described in the last report and funded by the National Endowment for the Arts, was completed during this biennium. This renovation included the interpretive depiction of a contemporary Iroquois kitchen and a reproduction of a Pawnee earth lodge. A replica of a nineteenth-century Pawnee Indian dwelling, the lodge is 38 feet in diameter and 18 feet high at the central fire hole. The research, design, and construction of the lodge was supported by a combined grant from the National Endowment for the Arts and the National Endowment for the Humanities. Halls 19, 28, and J were also renovated during this period and the popular temporary exhibit "Male and Female: Anthropology Game," was adapted to create the permanent exhibit "The Natural History Game."

Late in 1978, Lawrence G. Klein resigned his position as Chairman of the department; he was succeeded by Ed Bedno.

Building Modernization and Rehabilitation

Even as special exhibits and public programs drew record crowds, the Museum's on-going \$26-million renovation and improvement program continued with many improvements being made in both public and non-public areas. The Museum's new "front door"—a floor-to-ceiling window wall enclosing a spacious reception area—was completed in time to greet the crowds queuing up for the "Treasures of Tutankhamun" exhibit in mid-April. Also in the north entrance area, a newly installed elevator travels from the ground floor to the fourth floor in a glass-fronted shaft. This elevator serves staff and visitors to the non-public areas and is another facet of our effort to provide convenient access for the handicapped to all parts of the Museum. As a result of the renovation, the Museum has a ground-level entrance, as well as washrooms, telephones, and drinking fountains designed to accommodate those in wheelchairs.

Moving the Book Shop to space that previously housed executive offices and incorporating checking facilities in the north entrance reception area revealed the grand sweep of stairs on each side of Stanley Field Hall. These changes both effected a return to the integrity of the architect's original design and afforded greater ease and safety in crowd handling.

At the south end of the building a modern food service facility was completed on the ground floor. A well-planned food preparation center serves diners who may be seated in the large, carpeted cafeteria dining room or in one of five private dining areas.

A portion of the enormous and complex heating, ventilating, air-conditioning system went into use in April of 1977 and the total system was being tuned for final acceptance by the Museum at the close of 1978. Temperature and humidity control are important considerations not only for human comfort, but for the protection of many specimens in the Museum's collections. For example, the Department of Anthropology lightwell referred to in the last report now houses central storage in a four-level temperature and humidity controlled environment. This specialized storage area, which is one of the finest of its kind in the world, is protected by smoke detectors, rate-of-rise heat indicators, and a sprinkler system, as well as a computerized security system.

A central, computer-controlled security system that, among other things, monitors the Museum's doors, fire indicators, and certain mechanical systems, has been installed in the Division of Security and Visitor Services. This department, as well as virtually all administrative offices, are now located in a new office complex under the north portico.

Approximately 90 per cent of the total modernization program has now been completed. The remaining projects, such as further renovation of exhibit halls and landscaping, have been deliberately deferred so that all of our efforts could be directed toward the conclusion of the major interior work which has taxed all Museum personnel for nearly five years.

Scientific Publications

Following is a complete list of the scientific publications by Museum staff members and a full list of *Fieldiana*, the Museum's scientific series, for the past two years. Exhibit catalogues are also included here.

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Field Museum of Natural History

Statement of Revenues and Expenses

Years ended December 31, 1976

	Operating fund
Source of revenue:	
Public funds—	
Chicago Park District tax collections	\$1,503,70
Government grants (Note 4)	652,59
Total public funds	2,156,30
Private funds—	
Investment revenue availed of for operations:	
Pooled security investments	1,424,70
Securities of individual funds	174,30
Total investment revenue	1,599,01
Unrestricted contributions	1,158,13
Contributions designated by Board for future years	
Memberships (Note 2)	671,17
Private restricted funds availed of for operations	
Total contributed revenue	1,829,30
Earned:	
Admissions	601,69
Museum shops and cafeteria	1,185,26
Visitors' services and other	317,18
Total earned revenues	2,104,14
Total private funds	5,532,46
Total revenue	7,688,76
Operating expenditures:	
Scientific	1,335,68
Education and exhibition	762,37
Publication and photography	459,96
Library	196,88
Building operations and security	2,405,74
Administration and development	1,558,87
Museum shops and cafeteria	1,112,75
Total operating expenditures	7,832,27
Revenues in excess of (less than) expenditures before cumulative effect of a change in accounting principle	(143,51)
Cumulative effect on prior years (to December 31, 1976) of changing the method of accounting for membership revenue. (Note 2)	
Revenues in excess of (less than) expenditure	\$(143,51)

See accompanying notes.

Natural History

Expenditures—Current Funds

1978 and 1977

1978				1977				
Commitment to distinction fund	Restricted funds	Total	Percent of total	Operating fund	Commitment to distinction fund	Restricted funds	Total	Percent of total
		1,503,705	17%	1,514,760			1,514,760	11%
45,460	597,920	1,595,978	18	327,917	375,000	592,793	1,295,710	10
45,460	597,920	3,099,683	35	1,842,677	375,000	592,793	2,810,470	21
	225,235	1,649,942	18	1,246,783		212,648	1,459,431	11
	114,309	288,613	3	54,569		111,166	165,735	1
	339,544	1,938,555	21	1,301,352		323,814	1,625,166	12
		1,158,135	13	948,598			948,598	7
		671,172	7	674,239	187,500		187,500	1
	85,510	85,510	1				674,239	5
	85,510	1,914,817	21	1,622,837	187,500		1,810,337	13
		601,694	7	1,596,647			1,596,647	12
		1,185,265	13	5,446,353			5,446,353	40
		317,184	3	188,279			188,279	2
		2,104,143	23	7,231,279			7,231,279	54
	425,054	5,957,515	65	10,155,468	187,500	323,814	10,666,782	79
45,460	1,022,974	9,057,198	100	11,998,145	562,500	916,607	13,477,252	100
	458,849	1,794,536	20	1,280,492		445,869	1,726,361	14
	374,535	1,136,907	13	860,961		408,823	1,269,784	10
	25,761	485,722	6	363,934		5,549	369,483	3
	14,332	211,214	2	181,453		12,991	194,444	1
	479	2,406,224	27	2,613,232		(6,317)	2,606,915	21
	149,018	1,707,892	19	1,558,956		49,692	1,608,648	13
		1,112,755	13	4,854,143			4,854,143	38
	1,022,974	8,855,250	100	11,713,171		916,607	12,629,778	100
45,460		201,948		284,974	562,500		847,474	
				(101,596)			(101,596)	
45,460		201,948		183,378	562,500		745,878	

FIELD MUSEUM OF NATURAL HISTORY
NOTES TO STATEMENT OF REVENUES AND
EXPENDITURES—CURRENT FUNDS
December 31, 1978 and 1977

1. *Significant accounting policies*

Accrual basis of accounting

The financial statements are prepared on the accrual basis of accounting, except as to Museum property and collections and contributions discussed below.

Description of funds

The Museum has established two major fund groups—current funds and long-term funds.

The current funds include the following. (1) The operating fund accounts for all revenues not restricted by the donor or the Board of Trustees and for the expenditure of those funds. (2) The commitment to distinction fund accounts for contributions under the commitment to distinction program that have been designated as applicable to future periods by the Board of Trustees; this fund is available to fund future operating fund deficits. (3) Restricted funds account for expendable contributions, grants and investment income which are restricted for a specific purpose by the donor and for the expenditure of those funds; current restricted funds' revenues are included in the statement of revenues and expenditures—current funds only to the extent expended.

The long-term funds (Note 5) include the following. (1) Endowment funds, consisting of restricted endowment funds that account for contributions in which the donor specifies that principal may not be expended, and funds functioning as endowment which account for certain contributions or bequests which are generally nonrecurring and are restricted by the Board of Trustees. Board restrictions are revocable. Income from the investments of the endowment funds is available for unrestricted and restricted purposes and is accordingly accounted for in the current operating or current restricted fund. Gains and losses on the disposals of investments of the endowment funds are accounted for in the endowment fund except that, under the total return concept employed by the Museum, net accumulated gain in funds functioning as endowment is made available to the current operating fund (see total return concept below). (2) The Museum modernization fund accounts for revenue restricted by donors for use in the Museum's capital improvement program. These revenues include reimbursements from the Chicago Park District, contributions and investment income. (3) The fixed property fund reflects cost of the Museum's building and building equipment accumulated to October 1931; no depreciation has been provided on these properties. Collections, furniture and equipment of the Museum are carried in the fixed property fund at a nominal value of \$1.

Current expenditures for building alterations and renovations and for acquisition of collections, furniture and equipment are charged to expense. Depending on the source of the revenue, these expenditures are included in the operating fund, restricted fund or Museum modernization fund.

Contributions

Contributions are accounted for on a cash basis. At December 31, 1978 pledged but uncollected contributions to the various funds amounted to approximately \$1,152,000 of which \$300,000 is from challenge grant funds awarded by the National Endowment for the Humanities (Note 4) and \$61,000 is in respect of the capital campaign for the Museum modernization fund.

Total return concept

The Museum applies what is known as the total return concept for investing its funds functioning as endowment. Under this concept, security investments are selected on the basis of expected total return, including dividends, interest and prospective appreciation. Since this policy may involve the purchase of attractive low yield investments, with resulting reductions in dividend and interest receipts, the Museum computes investment income (from the funds functioning as endowment) each year as 5% of the average June 30 market values of the securities for the three preceding years. The excess or deficiency of actual dividends and interest in relation to the 5% computed investment income (in 1978 an excess of \$22,435; in 1977 a deficiency of \$15,670) is an adjustment to the net gain on disposal of securities accumulated in funds functioning as endowment which is included in revenues and expenditures—long-term funds (Note 5).

Pension cost

Pension cost, calculated under the entry age normal cost method with past service cost amortized over 15 years, is funded as accrued. Each year's actuarial gains from a group annuity contract, suspended since 1966, are treated as deferred credits and amortized over 10 years as a reduction of pension cost otherwise accrued.

Tax revenue

Tax revenue is principally recorded when received from the Chicago Park District as that is the period in which it is available for use. Substantially all of this revenue is derived from taxes levied for the preceding year.

2. Change in method of accounting for membership revenue

In 1978 and 1977 receipts for annual memberships have been amortized into revenue over the membership term. In years prior to 1977, membership receipts were included in revenue as received. The new method was adopted to more accurately match this revenue with the costs of servicing the membership. The effect of the change in 1977 was to decrease revenues in excess of expenditures—current funds by approximately \$415,000. The adjustment of \$101,596 to retroactively apply the new method is included in revenues in excess of expenditures in 1977, the year of the change.

3. Pension Plan

The Museum has a contributory trustee pension plan covering all employees meeting certain age and service requirements. Pension expense, net of the amortization of actuarial gains from the suspended group annuity contract of \$38,895 in 1978 and \$33,700 in 1977 amounted to \$165,565 in 1978 and \$128,800 in 1977.

4. Challenge grant funds

The Museum has been awarded challenge grants totaling \$1.5 million from the National Endowment for the Humanities and the National Endowment for the Arts (Endowments). Under the terms of the grants the Museum will receive \$1 of grant funds for every \$3 of qualifying funds raised by the Museum. These grant funds are generally available for operating purposes. In 1978 the Museum received \$700,000 from the Endowments (\$500,000 in 1977). Of this amount \$354,540 is included in the operating fund and \$345,460 in the commitment to distinction fund (\$125,000 and \$375,000, respectively, in 1977).

5. Long-term funds

The accompanying statements of revenues and expenditures—current funds do not include the revenues and expenditures of the Museum's long-term funds. The nature of these two fund groups is described in Note 1. Revenues and expenditures of the long-term funds are summarized below.

	<u>1978</u>	<u>1977</u>
Revenues:		
Bequests and donations—		
Restricted endowment funds	\$ 55,000	20,465
Funds functioning as endowment	268,358	1,396,965
Museum modernization fund	542,471	396,643
Chicago Park District reimbursements	677,937	1,887,745
Net gain (loss) on disposal of		
investments	(316,255)	380,890
Security investments	46,495	97,327
Credit (charge) resulting from		
application of total return concept	<u>22,435</u>	<u>(15,670)</u>
	1,296,441	4,164,365
Expenditures:		
Capital improvement expenditures	<u>1,114,291</u>	<u>4,218,061</u>
Revenue in excess of (less than)		
expenditures	<u>\$ 182,150</u>	<u>(53,696)</u>

THE BOARD OF TRUSTEES
FIELD MUSEUM OF NATURAL HISTORY

We have examined the accompanying statements of revenues and expenditures—current funds of the Field Museum of Natural History for the years ended December 31, 1978 and 1977. Our examinations were 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.

The accompanying statements do not include the revenues and expenditures of the Museum's endowment funds (restricted and functioning as endowment) and the Museum modernization fund. The revenues and expenditures of these long-term funds for the years ended December 31, 1978 and 1977 are summarized in Note 5.

In our opinion, the statements mentioned above present fairly the revenues and expenditures—current funds of the Field Museum of Natural History for the years ended December 31, 1978 and 1977 in conformity with generally accepted accounting principles consistently applied during the period subsequent to the change, with which we concur, made as of January 1, 1977 in the method of accounting for membership revenues as described in Note 2 to the financial statements.

Chicago, Illinois
April 6, 1979

ARTHUR YOUNG & COMPANY

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JENNIFER DILLON
DELORES DOBBERSTEIN
STANLEY DOLASINSKI
CAROLYN DONOVAN
MARY BETH DOWELL
MARGARET DREESSEN
JANET DUCHOSSOIS

STANLEY DVORAK
BETTIE DWINELL
LINDA DYBAS
MILADA DYBAS
SHARON EBBERT
ALICE ECKLEY
BONNIE EIBER
ANNE EKMAN
KAREN ELARDE
JEFFREY ELLISON
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LEE ERDMAN
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EVELYN GOTTLIEB
CAROL GRACZYK
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THERESA GROSS-DIAZ
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JESSYE GUNTER
SOL GUREWITZ
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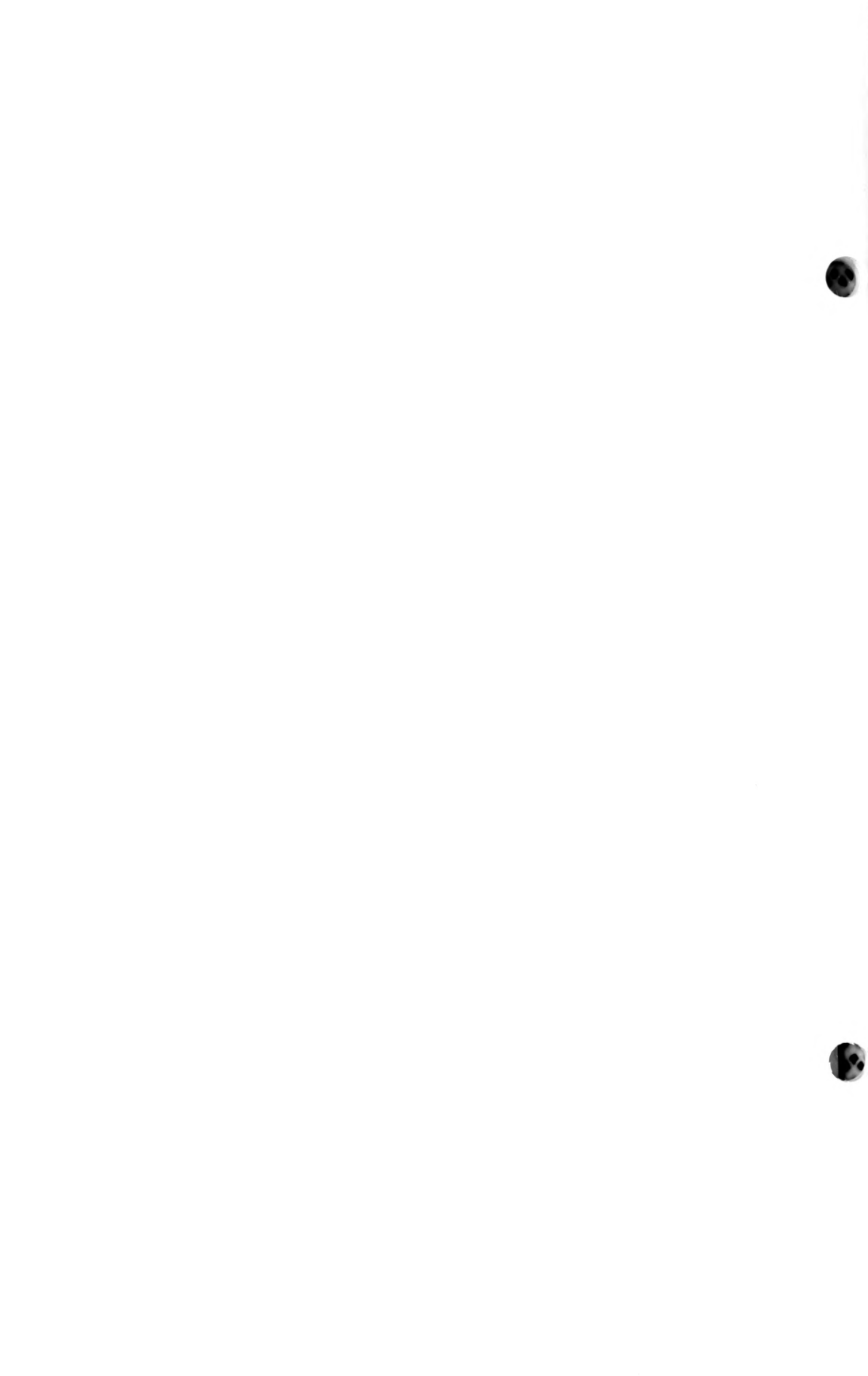
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