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In the Field

The Bulletin of The Field Museum

July/August 1994



TEXTILE ART BY PERUVIAN WOMEN

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In the Field

The Bulletin of The Field Museum

July/August 1994

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11

18TH-CENTURY ERGONOMICS

Chinese calligraphers and copyists apparently were plagued by some of the same ailments from repetitive wrist and hand motions suffered by computer operators today. So they invented the wrist rest.

Story, Page 9



1893-1993
The Field Museum
Exploring
The Earth And Its
People

Volunteers founded and built The Field Museum and volunteers sustain its operations today.

A complete schedule of Museum events for July and August, including two new traveling exhibits

From micro-organisms to sauropods, life on Earth is portrayed in "DNA to Dinosaurs."

MAJOR NEW PROGRAMS FOR CONSERVATION OF BIODIVERSITY

New initiatives to deal with the biodiversity crisis at local, national, and international levels have been announced by The Field Museum's Center for Environmental and Evolutionary Biology (CEEB).

• The Office of Environmental and Conservation Programs (ECP) has been created, directed by Debra Moskovits with Robin Foster as conservation ecologist (botany) and Doug Stotz as conservation ecologist (zoology). All have been associated with Conservation International's Rapid Assessment Program (RAP), and parts of the Washington, D.C.-based organization's work on tropical ecosystems will now be coordinated from the Museum.

• In late June, nine young conservation workers and researchers from seven tropical countries were scheduled to arrive in Chicago as the first participants in the Advanced Training Program in the Conservation of Biological Diversity (ATP), to be followed by at least 28 others over the next three years. The program, funded by the MacArthur Foundation, pools the resources of The Field Museum, the Brookfield Zoo, and the University of Illinois at Chicago. It is directed by Larry Heaney, Field Museum curator of mammals, and builds on a similar program Heaney has run for conservation workers from the Philippines.

Collaboration with Conservation International

The Museum and Conservation International signed an agreement in May outlining the scope of their collaboration. Among their joint projects will be developing computerized databases of museum collections to help identify conservation priorities; coordinating thorough biological inventories at selected sites of high conservation concern as well as the "quick-and-dirty" RAP surveys (see *In the Field*, Sept./Oct. 1993, p. 3); and helping to develop local capacity for inventories and conservation in the tropics.

"We are very excited to be able to further our partnership with Conservation International," said Peter R. Crane, vice president for academic affairs and director of CEEB. "It is in all of our interests to develop more direct links between the systematic databases and biological expertise provided by museums and the needs of conservation biologists and policy makers."

Moskovits, who holds a Ph.D. in biology from the University of Chicago, has for the past five years been project director for all of The Field Museum's animal and ecology exhibits in the Daniel F. and Ada L. Rice Wing. She and Stotz, with John Fitzpatrick and the late Theodore A. Parker III, are authors of a book to be published by the University of Chicago Press consisting of a database on the ecology of neotropical birds and an interpretive discussion of conservation priorities.

"Our major international focus, at first, will be on the neotropics," Moskovits said, "because that's where the Field Museum has such incredible resources." ("Neotropics" is scientific shorthand for the tropical regions of the Western Hemisphere.) Of the Museum's 2.5 million specimens of vertebrates, for example, more than half are from the neotropics; its plant collections are similarly weighted toward Central and South America, where generations of curators have sought to inventory the entire floras of countries such as Peru and Costa Rica.

A high priority for ECP will be developing a database to be made available on the Internet that cross-references endemic species — those restricted to limited regions — with their locations, so that conservationists and those responsible for making decisions on land-use management can quickly see whether a given parcel shelters overlapping endemic (and therefore vulnerable) species.

Short of multi-volume, highly technical floristic works, there are few if any field guides to tropical plants. Robin Foster has begun improvising some by making photocopies of herbarium specimen sheets, on which plants are pressed flat. Scanned images from these photocopies or from the herbarium sheets themselves may also be compiled for distribution via compact disk or on the Internet. "That kind of fast publication is what we're looking for," Moskovits said, "so it's immediately available to field workers even without the delays inherent in most scientific publication."

Closer to home, Moskovits plans to work with the Museum's Department of Education to take environmental programs into local schools, linking up with projects sponsored by



JAMES BALCOM/ASCON/200.25

the National Science Foundation and the American Association for the Advancement of Science. Part of this effort will be a follow-up to the Museum's Centennial Colloquium in May on "Dimensions of Biodiversity: Global, National, and Local Perspectives." ECP and the Department of Education will sponsor seminars and workshops aimed primarily at Chicago area educators, especially high-school teachers. These programs will emphasize biodiversity in the Chicago metropolitan area.

"We want to broaden the focus from the tropical rain forests," Moskovits said. "We can't tell others what to do when we're not doing it ourselves. As a result of some accidents of history — the preservation of prairie along railroad right-of-ways and the establishment of the forest preserves, among others — Chicago has more remaining biodiversity than any other area in Illinois. Along with the Illinois Nature Conservancy and other organizations, we can promote the preservation of biodiversity in a huge urban system. That coexistence of nature and urban center would be applicable elsewhere, in cities like São Paulo in Brazil."

Building an international network

The Advanced Training Program is designed to build a cadre of Third World conservation professionals skilled not only in basic science but in the "business end" of conservation work — writing grant proposals, using the resources of museums, universities, zoos, and other institutions in developed countries, and maintaining contacts with colleagues abroad. The program is being coordinated by Wendy Jackson, a Ph.D. in zoology who came to CEEB after two years as biodiversity adviser to the Office of Research of the U.S. Agency for International Development. At A.I.D., she also helped administer two research-grant programs for senior scientists from developing countries. ATP is aimed at younger people, at the master's degree or equivalent level, who hold positions in universities, museums, park services,

(Continued on page 3)



JAMES BALCOM/ASCON/200.25

Debra Moskovits (above) directs the new Office of Environmental and Conservation Programs. Lawrence Heaney (below left) directs the Advanced Training Program in the Conservation of Biological Diversity.

ONE HUNDRED YEARS OF VOLUNTEERISM



By Willard L. Boyd
President, The Field Museum

A curator envisioned The Field Museum and volunteers created it. A high standard for volunteerism was set by Edward Ayer, who organized Chicagoans to seize the opportunity for a great museum espoused by Frederick Ward Putnam, curator of the Peabody Museum at Harvard and chief ethnologist of the World's Columbian Exposition. In taking leave as the first Chairman of the Board of Directors of the Field Columbian Museum, Mr. Ayer reaffirmed his enduring interest in the Museum's subject matter and went on to say:

With such deep interest in these studies, you can readily understand the zeal with which I entered upon the work of helping to organize and build up the Field Columbian Museum, into which has already gone over 17% of all the money I have saved during my lifetime. I have also given to the Museum since it was established a good deal more of my time than I have given to my own business. . . . I love the Museum from A to Z and always shall be as interested in its growth and as gratified at its prosperity as Mr. Field himself, and shall always do all I can to improve it and further its interests.

Given the splendid example of Edward Ayer, it is not surprising that in our Centennial year, the Museum has nearly 500 active volunteers contributing 61,000 hours annually to every aspect of the work of the Museum.

Appropriately, when you call the Museum, the voice you hear on the telephone is that of Frank Leslie, a long-time local and national radio personality who has been a volunteer in our Public Relations Department for twelve years. Volunteers are key to welcoming visitors to the Museum. Assisting Visitor Services staff at the information desk are the Ambassadors, a new group of volunteers from throughout the Chicago area. Founded by our volunteer Women's Board, the Ambassadors are located in a wonderful new information station generously funded by the Women's Board.

I always know it is Monday when I see Dr. Daniel Snyder of Lake Forest, who spends his Mondays preparing Botany specimens in the Herbarium. He is one of 140 volunteers involved in the collections and research work of the Museum. The spouse team of Sophie and Robert Brunner work with Harold Voris and Bob Inger in the Amphibians and Reptiles Division. Their special responsibilities are skeletal preparation and reprint library management, respectively. The Anthropology Department is blessed with a cadre of dedicated volunteers who are indispensable to the curation of the collections. Carolyn Moore's competence has been recognized by her appointment as Associate for the Japanese Collection. She has special concern for the Boone Japanese collection, an extraordinary gift from Commander and Mrs. G. E. Boone of Monmouth, Illinois.

Computerizing our collections is a major objective and challenge for the Museum. Here again, volunteers play a vital role, as in the case of Geology where Walter Laffer has written programs to computerize the physical geology collections.

The Field Museum is renowned for its outstanding Education programs. These programs are made possible through the efforts of 333 volunteers working with the Department of Education. For example, the two new large resource venues, the Webber Resource Center and the Daniel F. and Ada L. Rice Wildlife Research Station, are staffed by volunteers seven days a week. One of our irreplaceable Education volunteers, Sarah Rosenbloom, was named in 1993 to the Chicago Senior Citizens Hall of Fame. Young volunteers such as Carol Wood and Evelyn Hinton are gaining valuable experience for future careers.

Our Centennial year is certainly the year of the volunteer. We opened the Maori Meeting House, Africa, and DNA to Dinosaurs. Volunteers are critical to the success of each of these exhibits. In the case of Africa, 110 volunteers attended day-long sessions each week for ten weeks. These volunteers staff the exhibit resource center and provide tours for school and other groups. Since its opening in the middle of November, 1993, 476 groups have gone through the Africa exhibit for a total of 23,800 visitors. Recently, 85 volunteers went through a 13-week training session for DNA to Dinosaurs

and made their debut at the exhibit's opening on June 11. The Maori Meeting House boasts a group of 26 volunteers and this past April 6, thirteen went on a tour to New Zealand and to Tokomaru Bay where the house originally stood.

The Field Museum could not function without the extraordinary commitment of these volunteers. Much is expected of them. A week-day volunteer is asked to contribute one day per week, and a weekend volunteer two days per month. Through individual or group training, volunteers learn the subject matter and skills required for their responsibilities. They record their hours and work at times agreed upon by the volunteer and her or his supervisor.

A volunteer-edited bimonthly newsletter, *The Volunteer Voice*, keeps volunteers in touch with each other and knowledgeable about their contribution to the Museum. The *Voice* also provides volunteers with a forum to express points of view about various Museum issues. Once each year there is a dinner in Stanley Field Hall where volunteers are recognized, with special acknowledgement to those who have contributed 400 hours or more, and those who have served for specified numbers of years. Upon the completion of twenty years as a volunteer, the William G. Searle Award is given as a token of the Museum's appreciation.

The legal title and responsibility for the Museum is vested by Illinois state law in the Board of Trustees of The Field Museum. As a group of volunteers itself, the Board is deeply gratified by the dedication of our current group of volunteers and committed to the continuing expansion of volunteer contributions at the Museum. One hundred years after setting an inspiring example, Edward Ayer would be astounded at the numbers and grateful for the vital role volunteers play in the Field Museum. As the largest seller of railroad ties in the United States and Mexico in his time, Mr. Ayer would be especially pleased to meet Worth Smith, the retired president of the Milwaukee Railroad. Worth Smith, who is completing a term as chair of the Friends of the Library, is a volunteer in the Runnells Rare Book Room, which houses the Ayer collection. It is good to know your treasures are in capable, caring hands.



BUTTERFLY GARDEN DEDICATED TO LEE WEBBER

The Butterfly Garden at Ryerson Woods Conservation Area in Deerfield has been dedicated in memory of Leland Webber, a member of the Ryerson Advisory Committee and former president of The Field Museum.

A flyer distributed to visitors explains that "People who use Ryerson Woods and love nature lost a good friend when Lee Webber died in 1989. . . . Lee's quiet, insightful counsel provided inspiration and support [to the Ryerson Advisory Committee] during a period which was filled with change and difficult decisions."

In the Field

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1893-1993

The Field Museum
Exploring
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HEAD CONSERVATOR WINS ROME PRIZE

Catherine Sease (at left in photo), head conservator in the Museum's Department of Anthropology, is a 1994 recipient of the Rome Prize, awarded by the American Academy in Rome. The awards were presented at a White House ceremony in April presided over by Hillary Rodham Clinton to mark the Academy's 100th anniversary. Sease's award is the National Endowment for the Arts Fellowship in Conservation and Historic Preservation; she will spend six months at the Academy's campus in Rome completing her second book on archaeological conservation. Peter Crane, the Museum's vice president for academic affairs, said the prestigious prize "underlines the achievements and professionalism of our Conservation Unit."



NEW CURATOR IN AFRICAN ARCHAEOLOGY

Chapurukha Kusimba has been appointed assistant curator of African archaeology and ethnology in the Museum's Department of Anthropology. An archaeologist with a strong interest in social anthropology, Kusimba did his doctoral research on the development of iron working on the Kenya coast and the role of that technology in cultural change.

Kusimba received his bachelor's degree in education from Kenyatta University in Nairobi, Kenya, and his Ph.D. from Bryn Mawr College in Pennsylvania. His research has been supported by grants from the National Science Foundation and the Wenner-Gren Foundation, among others. While a graduate student at Bryn Mawr, Kusimba also worked at Harvard University, the University of Arizona, and the University of Pennsylvania.

'WINES FROM SPAIN' RETURNS

Back by popular demand, an encore tasting of wines from the regions of Rioja, Catalonia, and Penedes will be held September 28. Wines from Spain consistently represent the highest quality and value of any wine-producing nation. Mary Ross, an acclaimed wine and food expert, will conduct the tasting. All participants will receive discount coupons to be used towards purchases of Spanish wines at the Marshall Field's Wine Shop. You must be 21 years of age to attend. Hours are 6:30-8:00 p.m. in the Rice Wildlife Research Station. Tickets are \$20 for Museum members, \$25 for guests. Reservations must be received by September 21; no telephone reservations will be accepted.

Mary Ross will also conduct a session titled "How to Bluff Your Way Through Wine Tasting" on August 11. For details, see page 6. For more information, call the Membership Department at (312) 922-9410, ext. 453.



Robin Foster is developing "instant" field guides to tropical plants

BIODIVERSITY INITIATIVES . . .

Continued from page 1

conservation organizations, and government agencies.

"One of the things they'll learn here is that they're as capable as anyone else," Heaney remarked. "There's absolutely no way the environmental problems in any developing country will be solved unless they decide what's important and what changes are needed." Heaney directed an earlier program in Philippine Vertebrate Conservation and notes that there is now a "second generation" of MacArthur Foundation grants funding projects in the Philippines devised by program alumni. Wendy Jackson observed that people like those being targeted for ATP fellowships "are often unused to being

in the driver's seat; they're used to having development agencies and funders tell them what's important and needed. People in these countries tend to rely on international agencies so that when those funds are exhausted the project typically ends. Our program will empower them to carry out conservation-related research and activities without this reliance."

The first class of ATP participants come

from Colombia, Malaysia, Kenya, the Dominican Republic, India, and Peru. They include park rangers, college teachers, and staff members of museums, zoos, and botanical gardens.

MUSEUM ASSOCIATION AWARD TO MICHAEL SPOCK

Michael Spock, Field Museum vice president for public programs, received the 1994 Distinguished Service to Museums Award during the American Association of Museums' (AAM) 89th annual meeting in Seattle in April.

Spock is responsible for a major renewal of the Museum's exhibits and public programming. Prior to coming to the Field Museum in 1986, he served as director of the Boston's Children's Museum for 23 years.

The award was presented by acclaimed museum expert and past award recipient, Dr. Kenneth Starr. Starr noted, "Mike Spock is an original mind; one of the most creative and influential thinkers in education, and an enduring advocate of and contributor to the profession; a caring, sharing colleague, and a joy to those who are fortunate enough to have him as a friend." He added, "Mike embodies the spirit of the Distinguished Service Award."

Upon learning that he would receive the

award, Spock said, "It's wonderful to get this sort of recognition from colleagues and friends. To the extent we've made a difference over the last forty years, I think it's because I've enjoyed the counsel and company of extraordinary people, mentors, co-workers, and family, all bound together for important work in a community of mutual respect and support."

Spock has been an officer, counselor and task force leader or member of the American Association of Museums for more than 20 years. He has also been active in the leadership of the International Council of Museums, the New England Museum Association, the Association of Youth Museums, Boston Cultural Education Collaborative, and Massachusetts Cultural Alliance. He has been a consultant to many museums, served on funding agency review panels, and has taught or presented papers at numerous gatherings of museum and education professionals.



CENTENNIAL AWARD OF MERIT TO BOTANIST PETER RAVEN

The Award of Merit, bestowed periodically by the Museum's Founders' Council, this year went to Peter H. Raven, director of the Missouri Botanical Garden and Engelmann Professor of Botany at Washington University in St. Louis. The presentation dinner on May 21 coincided with the opening of the Museum's Centennial Colloquium, "Dimensions of Biodiversity," at which Dr. Raven was a speaker.

The Founders' Council Award of Merit is given to individuals who have made significant contributions to bringing evolutionary and environmental biology to the forefront of public attention. The Award consists of a lead crystal globe from Tiffany & Co. and a \$5,000 honorarium.

Previous recipients have included zoologist Edward O. Wilson, writer Stephen Jay Gould, documentary filmmaker David Attenborough, and nature artist Roger Tory Peterson.

In the photo at left above, Dr. Raven (right) is joined by Pam and Doug Walter, co-chairs of



the Founders' Council. Others attending the event included (below left) Sam and Laura Holtzman. Sam Holtzman is president of the Chicago Division of Columbia/HCA Health Care Corporation, parent of Michael Reese Hospital, which sponsored the third Images in Motion show, "The Living World." The light show, projected on the Museum's facade, premiered the night of the Centennial Award of Merit Dinner. Above are Founders' Council members Roger and Barbara Brown; Mrs. Brown is an Associate in the Division of Mammals.



'MAKE NO BONES ABOUT IT'

Five hundred guests attended "Make No Bones About It," the Field Museum Women's Board's April preview party for the exhibit "DNA to Dinosaurs." The highlight of the evening was a fact-finding expedition in which guests discovered the secrets of 3.8 billion years of life on Earth. Proceeds from the event will fund

Museum programs, exhibits, and scientific research. The event was decorated by The Flower Cart and catered by Linda Goodman of Blue Plate.

"Make No Bones About It" was generously underwritten by Kraft General Foods, promotional sponsor of "DNA to Dinosaurs"; Kraft also sponsored the exhibit opening celebration on June 11, which was declared Kraft General Foods Day at Field Museum.

Pictured at left are Museum vice

president Willard E. White, Women's Board president Heather Bilandic, and Tom Hoepfner, senior vice president of Kraft General Foods. At right are Museum trustee Bill Kurtis and Donna LaPietra. Kurtis, the popular television journalist, stars in a series of video "newscasts" that introduce the various segments of "DNA to Dinosaurs."



Diane Alexander White/GN867160.3



Diane Alexander White/GN867160.18

LITTLE LADIES AND GENTLEMEN

Paula Person instructs children in the social graces. Here they learn how to greet a new acquaintance.



Diane Alexander White/GN867151.13

'The Children's Spoon' Etiquette Program

The Field Museum is pleased to offer members "the Children's Spoon," the first program to revitalize social manners for children of all ages, by Paula Person. A noted educator and ambassador of good manners, Mrs. Person takes formality out of etiquette by making social manners educational and a happy experience. Children will learn proper diction, table manners, telephone manners, and proper courtesies for visiting a museum.

Classes for this four-week program are written for each age group and handouts are provided for parent and child. Students may invite two family members to the graduation tea at the Museum at the last class. Field Museum beverage mugs will be given to each registered student on the last day of class.

Fee: \$85.00 per child, with a 10% discount for each child in the same family.

Dates: Saturdays, August 6, 13, 20 & 27

Age: 4-5 years — 11 a.m.—noon 6-8 years — 1 p.m.—2 p.m.

9-14 years — 2:30 p.m.—3:30 p.m.

Dress: Girls — skirt or dress; Boys — collared shirt • No jeans or athletic shoes, please • The last class is a dressed affair.

Registration is limited. No telephone charges can be accepted. Advance registration is required. Gift certificates for class registration can be arranged. Mail this form to: The Field Museum, Membership Department, Roosevelt Rd. at Lake Shore Dr., Chicago, IL 60605. For more information call the Membership Dept. at (312) 922-9410, ext. 453.

NAME _____

PARENT OR ADULT _____

ADDRESS _____

CITY/STATE/ZIP _____

DAYTIME PHONE _____

CHILD'S AGE _____ NO. OF RESERVATIONS _____

TOTAL \$ _____

CALENDAR OF EVENTS

GEOGRAPHY IS DISCOVERY: EXPLORING THE WORLD THROUGH CHILDREN'S ART

Seventy-seven paintings by school children from 36 countries around the world are featured in this exhibit, on display in the Field Museum's South Gallery from July 30 through October 2.

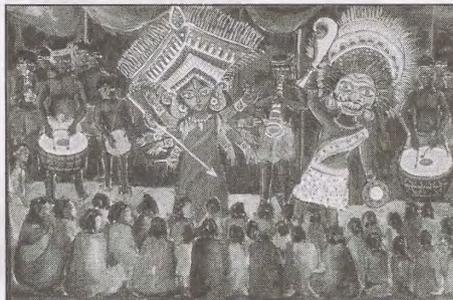
"Geography Is Discovery" was organized by the Explorers Hall of the National Geographical Society, Paintbrush Diplomacy, and the 27th International Geographical Congress. The exhibit's paintings were collected through Paintbrush Diplomacy's school art and letter exchange program, in a competition that produced more than 10,000 entries from 75 countries. Each year a theme is chosen for the exchange; this past year the theme was world geography. In keeping with this theme, all paintings in the exhibit are based on one of the following topics: environment, animals (including endangered species), family life, architecture, traditional costumes, festivals and dance, maps, and economics.

In addition to reflecting the concern of children worldwide for endangered species and the environment, the paintings also portray the variation among individual countries with depictions of costumes, festivals, architecture and the economic issues.

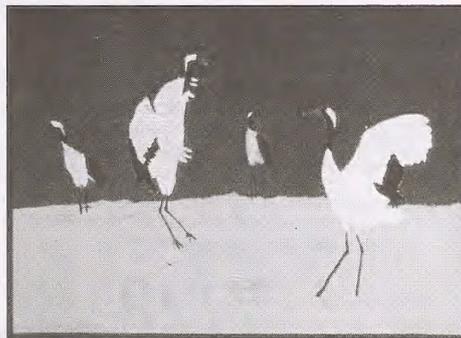
Paintbrush Diplomacy is a not-for-profit organization founded in 1972 to create a worldwide communication network for children. The contacts established over the past 22 years have

been productive; today, the organization's permanent collection consists of 3,000 pieces of art work from seventy-five countries. Among the countries represented in "Geography Is Discovery" are Japan, Bulgaria, Turkey, India, the former Czechoslovakia, Slovakia, Nigeria, Burkina Faso, Hungary, and Germany.

— Steve Weingartner



India



Japan

FIELD MUSEUM
THE SMART WAY TO HAVE FUN.

CUADROS FROM PAMPLONA ALTA: TEXTILE PICTURES BY PERUVIAN WOMEN

Cuadros are pieced-textile wall hangings with embroidered and appliqued pictures that depict daily life in marginalized neighborhoods of Latin America. "Cuadros From Pamplona Alta: Textile Pictures By Peruvian Women" is an exhibit of about 70 of these works, most by members of women's collectives from the impoverished Pamplona Alta barrio outside Lima, Peru. The exhibit will be on display August 27 through January 8, 1995 in The Field Museum's Weber Gallery, and will also feature 24 photographs of the Pamplona Alta barrio and of the women making the cuadros.

In Pamplona Alta, as in all of Peru, living conditions have grown steadily worse over the years: political instability and economic chaos have combined with military repression and terrorism by Marxist rebels to challenge and threaten ordinary life. Throughout the turmoil women have worked to provide sustenance and stability for their families. The making of cuadros is literally a survival art that documents their struggle while providing a source of income.

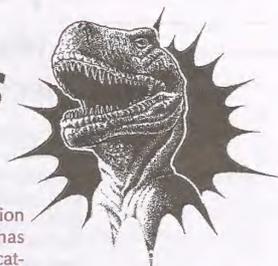
The textiles express the hopes, needs, problems and concerns of the barrio dwellers by addressing such themes as family, health care, nutrition, human rights, and working conditions. Accordingly they often show women in action: collecting food, engaged in work programs, marching for food and milk for their children. Bright colors, decorative patterns, and lively details are used to present both the painful realities of life in the barrio as well as scenes that illustrate the moral strength and courage of the people who live there.



The cuadros in this exhibit were collected by Barbara Cervenka, a Dominican nun who is also dean of the art school at the University of Michigan. The exhibit is sponsored by the Adrian Dominican Sisters, Adrian, Michigan.

— Steve Weingartner

DNA to Dinosaurs



"DNA to Dinosaurs," the Field Museum's new \$4-million exhibit on evolution through the age of dinosaurs, has opened in the Arthur Rubloff Halls of Life Over Time, located on the second floor east wing. The exhibit is ticketed (\$2 adults, \$1 children) and admission is staggered. Museum members are admitted free and may enter at any time.



7/26 Tuesday

Exotic and Unusual Tropical Fruits

Discuss and cook with a variety of tropical fruits from around the world. Tour the Museum's botany halls, then work with other participants to prepare a five-course meal. Recipes and samples included. Hours are 6:00-9:00 p.m. Cost is \$30 (\$25 for members). Call (312) 322-8854 for space availability and information.

7/28 Thursday

Library Friends

Join Friends of the Field Museum Library for a special program focusing on the life, times, and pioneering scientific works of the great Renaissance naturalist Ulisse Aldrovandi. Featured is the Library's Centennial Acquisition, a seven-volume set of Aldrovandi's zoological works. Reception begins at 5:30 p.m.; program at 6:00 p.m. Open to Library Friends only. For membership information call Katherine Reay at (312) 322-8874.

7/30 Saturday

Exhibit opens: 'Geography is Discovery'

"Geography is Discovery: Exploring the World Through Children's Art" features 77 paintings by school children from 36 countries around the world. Themes addressed by the paintings include the environment, endangered species, family life, architecture, traditional costumes, festivals and dance, maps, and economics. Through October 2 in the South Gallery.

7/31 Sunday

Afro-Cuban Music and Dance

Los Munequitos de Matanzas, a renowned Cuban percussion, vocal, and dance troupe, will perform rumba music and dance that reflects the African heritage and Yoruba religious traditions of its members. Co-sponsored by the DuSable Museum of African-American History. In Stanley Field Hall at 1:00 p.m.



8/7 Sunday

Indiana Dunes Cultural Tour

Experience the natural beauty of the Indiana lake shore dunes country on a day-long bus excursion. Sunday brunch at the scenic Spa restaurant is included. Hours are 9:00 a.m. – 5:00 p.m. Cost is \$47 (\$40 for members). Call (312) 322-8854 for space availability and information.

8/20 Saturday

'At the Field' Family Evening

Bring the kids to explore the Museum's exhibits, including the new "DNA to Dinosaurs," and take part in activities focusing on Africa, ancient Egypt, and the animal kingdom, to name but a few. Later, enjoy a snack and storytelling performance. Hours are 6:00 – 10:00 p.m. Cost is \$15 per participant (\$12 for member participants). Call (312) 322-8854 for space availability and information.



8/11 Thursday

'How to Bluff Your Way Through Wine-Tasting'

Learn the secrets of the grape from one of America's foremost wine experts. Mary Ross, president of Mary Ross and Associates and a nationally recognized authority on food and wine, will conduct the tasting. You must be 21 years of age to attend. Hours are 6:30-8:00 p.m. in the Rice Wildlife Research Station. Tickets are \$20 for members, \$25 for guests. Reservations must be received by August 4; no telephone reservations will be accepted. A program on the wines of Spain will be offered in September. For more information call (312) 922-9410, ext. 453.

8/27 Saturday

Exhibit opens: Peruvian Textiles

"Cuadros From Pamplona Alta: Textiles By Peruvian Women" features 70 textile wall hangings (cuadros) decorated with embroidered and appliqued pictures depicting life in the Pamplona Alta barrio outside Lima, Peru. In the Webber Gallery through January 8, 1995.



8/6-27 Saturdays

'The Children's Spoon' Etiquette Program

A program designed to revitalize social manners for children of all ages, by Paula Person, a noted educator and ambassador of good manners. Cost is \$85 per child, with a 10 percent discount for each additional child in the same family. Museum members only. Advance registration is required. Registration is limited and no telephone charges can be accepted. For information call (312) 922-9410, ext. 453.

DNA TO DINOSAURS

ELIZABETH MORSE GENIUS DINOSAUR HALL

James L. Alexander, representative of the Elizabeth Morse Genius Charitable Trust, spoke at the press preview of "DNA to Dinosaurs" and explained why the Trust had made its first major grant, a gift of \$1.5 million, to help fund the exhibit. "Its central message [is] that while the process of life may seem to be a gamble, we today can no longer afford to gamble with life. The Field Museum and the Elizabeth Morse Genius Charitable Trust share a concern about Chicago's children, who are more at risk than at any time in the city's history. I speak not of just risk from physical harm, a risk of which we are all painfully aware, but of an equally serious risk. I speak rather of the risk that we shall fail to challenge our children to fulfill their dreams, to live their passions, to lead lives of high moral worth and integrity, and to be independent and free-thinking individuals."

This exceptional gift is the inaugural grant from the newly established Chicago foundation, formed by Richard Genius in 1992 to memorialize his mother's generosity and concern for the future of Chicago's children. The Elizabeth Morse Genius Dinosaur Hall is the centerpiece of the new exhibit complex.



Diane Alexander White/GN87231.02C

JURASSIC PERKS: DONORS, MEMBERS, CABBIES GET FIRST LOOK



Jamie Balodimas/GN87221.80



Diane Alexander White/GN87229.28



Jamie Balodimas/GN872



Jamie Balodimas/GN87221.35

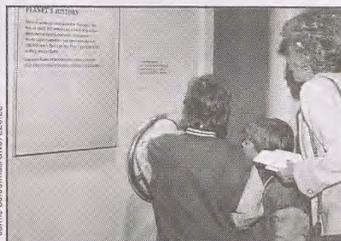


Jamie Balodimas/GN87223.20A

"DNA to Dinosaurs," the Museum's spectacular new exhibit on the evolution of life on Earth, opened June 11 after a series of previews for Museum members, donors, and others including the city's taxicab drivers (right), who came face to face with the Passenger from Hell.

Below, clockwise:

- A visitor tries her hand at saving species from extinction via a computer game — but you can't win; most species eventually die out.
- Searching for fossils of tiny organisms with the aid of a magnifying glass.
- 8.9 million and counting: Visitors turn a crank — each turn is a year — to demonstrate to themselves and others how long it's going to take to make the display read out the age of the Earth: 4,500,000,000 years.
- A one-armed bandit provides a metaphor for the chanciness of successful adaptation of species.
- Darwin's Galapagos finches demonstrate evolution in action.



Jamie Balodimas/GN87220.22

Become a Member of The Field Museum and receive these benefits:

- ▶ Free admission
- ▶ Free priority admission to "DNA to Dinosaurs"
- ▶ Free coat checking and strollers
- ▶ Invitation to Members' Night
- ▶ Priority invitations to special exhibits
- ▶ Free subscription to *In the Field*
- ▶ 13-month wall calendar featuring exhibit photographs
- ▶ Reduced subscription prices on selected magazines
- ▶ 10% discount at all Museum stores
- ▶ Use of our 250,000-volume natural history library
- ▶ Discount on classes, field trips, and seminars for adults and children
- ▶ Members-only tour program
- ▶ Opportunity to attend the annual children's Holiday Tea
- ▶ Children's "dinosaur" birthday card
- ▶ 10% discount at Picnic in the Field

MEMBERSHIP APPLICATION

New members only. This is not a renewal form.

- Please enroll me as a Member of The Field Museum

Name _____
Address _____
City _____
State _____ Zip _____
Home phone _____
Business phone _____

GIFT APPLICATION FOR

Name _____
Address _____
City _____
State _____ Zip _____
Home phone _____
Business phone _____

GIFT FROM

Name _____
Address _____
City _____
State _____ Zip _____
Home phone _____
Business phone _____

SEND GIFT CARD TO

- Donor Recipient

MEMBERSHIP CATEGORIES

- Individual — one year \$35 / two years \$65
- Family — one year \$45 / two years \$85 (Includes two adults, children and grandchildren 18 and under.)
- Student/Senior — one year \$25 (Individual only. Copy of I.D. required.)
- Field Contributor — \$100 - \$249
- Field Adventurer — \$250 - \$499
- Field Naturalist — \$500 - \$999
- Field Explorer — \$1,000 - \$1,499

All the benefits of a family membership — and more

- Founders' Council — \$1,500

Send form to: Membership Department, The Field Museum, Roosevelt Rd. at Lake Shore Dr., Chicago, IL 60605. Or charge your gift membership by phone: (312) 922-9410, ext. 453.

VISITOR PROGRAMS

Sunday, July 3

11am - 2pm String games activity
1pm World Music presents the Poetry of Paul Maborn

Tuesday, July 5

11am & 1pm Museum Favorites highlight tour

Friday, July 8

10am - 1pm Pacific Pareus activity

Saturday, July 9

10am - 3pm Adinkra activity
11am Stories Around the World
11am Museum Favorites highlight tour
1pm World Music presents African Drumming with Musa Mosley.

Sunday, July 10

10am - 3pm Adinkra Activity
11am - 2pm Papel Picado activity
1pm World Music presents African Drumming with Musa Mosley.

Monday, July 11

10am - 1pm Arthrocat

Tuesday, July 12

11am & 1pm Museum Favorites highlight tour

Wednesday, July 13

12noon "Fieldwork on Frogs in a Bornean Rain-forest" lecture by Dr. Robert Inger, Curator of Amphibians & Reptiles

Friday, July 15

10am - 1pm Terrific Teeth activity

Saturday, July 16

10am - 3pm Adinkra activity
11am - 2pm Hieroglyphs activity
1pm The Natural History of New Zealand slide presentation

Sunday, July 17

10am - 3pm Adinkra activity

Saturday, July 23

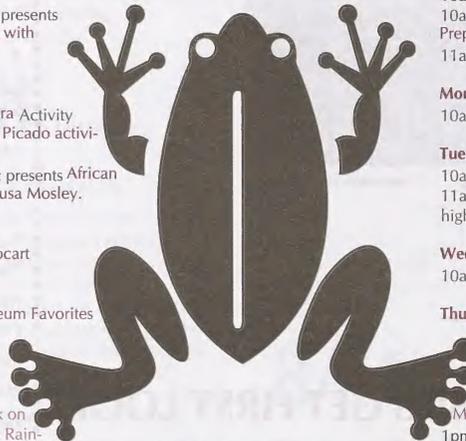
10am - 3pm Adinkra activity
11am Stories Around the World
11am Museum Favorites highlight tour
1pm Rupununi Experience: Guyana, South America slide presentation

Sunday, July 24

10am - 3pm Adinkra activity
1pm World Music presents Poetry of Paul Maborn

Monday, July 26

10am - 1pm Arthrocat



Tuesday, July 26

10am - 1pm Arthrocat
11am & 1pm Museum Favorites

Wednesday, July 27

10am - 1pm Owl Pellets activity

Friday, July 29

10am - 1pm Rock & Mineral Match activity

Saturday, July 30

10am - 3pm Adinkra activity
11am - 2pm Finger Weaving activity

Saturday, July 31

10am - 1pm Adinkra activity
11am - 2pm Beadwork activity
1pm Los Munequitos de Matanzas Cuban music and dance performance

Monday, August 1

10am - 1pm Arthrocat

Tuesday, August 2

10am - 1pm Arthrocat
11am & 1pm Museum Favorites highlight tour

Wednesday, August 3

10am - 1pm Owl Pellets activity

Saturday, August 6

10am - 3pm Adinkra activity
12n Bone Wars: Cope and Marsh debate
1:30pm Tibet Today and Bhutan: Land of the Thunder Dragon slide presentation

Sunday, August 7

10am - 3pm Adinkra activity
12noon Pilar Rioja & Company Flamenco Dance Performance. An anthology of Flamenco and Bolero style dance accompanied by Jose Luis Negrete, Hector Palavera and Enrique Inglesias. This program is sponsored by the Chicago Park District Grant Park Music Festival Outreach Program (Bringing the Stars to You).

Monday, August 8

10am - 1pm Arthrocat

Tuesday, August 9

10am - 1pm Arthrocat

11am & 1pm Museum Favorites highlight tour

Wednesday, August 10

12noon Conservation in Sabah, Malaysia, Borneo slide program by Fu Lian Inger, Research Associate.

Saturday, August 13

10am - 3pm Adinkra activity
11am - 2pm Origami activity with Hisa Amimoto
1pm World Music presents the Poetry of Paul Maborn

Sunday, August 14

10am - 3pm Adinkra activity
10am - 4pm Insect Specimen Preparation
11am - 2pm Papel Picado activity

Monday, August 17

10am - 1pm Arthrocat

Tuesday, August 16

10am - 1pm Arthrocat
11am & 1pm Museum Favorites highlight tour

Wednesday, August 17

10am - 1pm Owl Pellets

Thursday, August 18

10am - 3pm Adinkra activity
11am Museum Favorites highlight tour
11am - 2pm Rock & Mineral Match activity
1pm Indonesian music and dance performance sponsored by the Consulate General of the Republic of Indonesia and Friends of the Gamelan

Saturday, August 20

11am - 2pm Community Science Day sponsored by the American Association for the Advancement of Science

Sunday, August 21

10am - 3pm Adinkra activity
10am - 4pm Insect Specimen Preparation
11am - 2pm String Games activity

Monday, August 22

10am - 1pm Arthrocat

Tuesday, August 23

10am - 1pm Arthrocat
11am & 1pm Museum Favorites highlight tour

Wednesday, August 24

10am - 1pm Owl Pellets

Saturday, August 27

10am - 3pm Adinkra activity
11am - 2pm Plaited Bookmark activity

Sunday, August 28

10am - 3pm Adinkra activity
11am - 3pm Chinese Seal Engraving demonstration

Monday, August 29

10am - 1pm Arthrocat

Tuesday, August 30

10am - 1pm Arthrocat
11am & 1pm Museum Favorites highlight tour

Wednesday, August 13

10am - 1pm Owl Pellets

Daniel F. & Ada L. Rice Wildlife Research Station

Videotapes, computer programs, educator resources, books and activity boxes about the animal kingdom are available. Daily 9am-5pm

Webber Resource Center Native Cultures of the Americas
Books, videotapes, educator resources, tribal newspapers and activity boxes about native peoples of the Americas are available. Daily 10am-4:30pm

Harris Educational Loan Center
Chicago area educators may borrow activity boxes and small dioramas from Harris Center. For more information call: (312) 322-8853. Open House Hours: Tuesdays 2:30-7pm Thursdays 2:30-5pm Saturdays 9am-5pm

Place For Wonder

A special room of touchable objects where you can discover daily life in Mexico, in addition to an array of fossils, shells, rocks, plants and live insects. Weekdays: 12:30-4:30pm Weekends: 10am-4:30pm

Pawnee Earth Lodge

Walk into a traditional home of the Pawnee Indians of the Great Plains and learn about their daily life during the mid-19th century. Weekdays: 1:00 pm programs Saturdays: 10am-4:30pm; Free ticketed programs at 11, 12, 2 & 3. Sundays: 10am-4:30pm

Ruatepupuke: A Maori Meeting House

Discover the world of current Maori people of New Zealand at the treasured and sacred Maori Meeting House. Open daily 9am-5pm

Africa Today: Resource Center

Books, periodicals, videotapes, educator resources and activity boxes to complement the new Africa exhibit. Open daily 10am-4:30pm

Join the rewarding world of being a Field Museum volunteer. Weekday and weekend facilitators are welcome. Upcoming opportunities include the following.

- Help Museum visitors take an exciting look at The Field Museum's fascinating 100 year history, from our beginnings with the World's Columbian Exposition of 1893, to the Museum's dynamic role in the world today. Highlight tour training begins in early July.
- Place For Wonder is a room of touchable objects. Training for facilitators to help visitors experience the wonders of the room begins in late August.
- Discover the wonders of the animal kingdom. Join a training program highlighting our newest Animal Kingdom exhibit. Training begins in late September.
- A three week training program for the Life Over Time exhibit highlighting evolution from prehistoric mammals through early humans begins in early October.
- Discover the world of the current Maori people of New Zealand. Training begins in mid-October for facilitators to staff Ruatepupuke: A Maori Meeting House.
- Training for Webber Resource Center Native Cultures of the Americas facilitators begins in November. A \$10 fee per program is required to cover the cost of materials. Scholarships are available. For more information about volunteer opportunities, please contact the Museum-wide volunteer Coordinator, (312)922-9410, ext. 360.



Musa Mosley
African drumming

10am - 4pm Insect Specimen Preparation

Monday, July 18
10am - 1pm Arthrocat

Tuesday, July 19

10am - 1pm Arthrocat
11am & 1pm Museum Favorites highlight tour

Wednesday, July 20

10am - 1pm Owl Pellets activity
12noon Amphibians & Reptiles of the Chicagoland Area lecture by Alan Resetar, Collection Manager, Amphibians & Reptiles

Friday, July 22

10am - 1pm Lava activity

By Paul DuBrow and Chuimei Ho
Department of Anthropology

Determined to bring changes to his government, the 18th century Chinese Emperor Yongzheng wrote eleven decrees, each over a thousand words long, in one day of the first month of his reign. That meant writing more than 11,000 words with brush and ink in his own hand, even though he had a large team of secretaries.

Court historians agree that this was a record for any Chinese emperor. It was no mean feat. Even his secretaries, who could write as much or more in a single day, would have found it a difficult undertaking.

The first step in composing such a document involved the preparation of ink by grinding a black pigment in water. The actual writing was done with a variety of brushes made from animal hair. Writing 11,000 words entailed an average of ten strokes per word, or up to 110,000 individual arm movements. It was a physically demanding process, one in which sore wrists must have been an occupational hazard, and Carpal-Tunnel Syndrome, the modern-day curse of overworked computer keyboard users, was doubtless a problem as well. But the use of a wrist rest helped to ease the pain.

Chinese writing, or calligraphy, is an ancient art, stylized and often indicative of the writer's character. A firm, flexible grip on the brush is needed for drawing the curves, lines, and dots that form the words. A good teacher would usually reinforce the learning process by periodically and unexpectedly attempting to grab the brush from the student's hand. A firm grip was required to prevent smearing of the hand and paper, and to avert a severe scolding from the teacher.

The basic desktop tools of a Chinese scholar's trade might include thin and thick hair brushes of different sizes, a brush pot to hold the dry brushes, a brush rest for wet brushes, a water container for rinsing the brushes, a grinding stone for ink preparation, inksticks, a small water dropper to provide the ink grinding medium, ink boxes, paper weights, desk screens, personal items, and the greatly appreciated wrist rest. These items could be made from wood, bamboo, ivory, porcelain, jade, stone, bronze, clay. Some scholars thought that simple and rustic items were more elegant and refined in taste; some preferred items richly decorated with scenes, poems, and animal designs.

The Field Museum has over 800 Chinese desktop items, many of which will be featured in a catalog being prepared by Dr. Bennet Bronson and Paul DuBrow of the Anthropology Department.

Of all these items, the wrist rest is probably the least recognizable to Westerners. The rest seems to have come into use in about the late 15th century, and apparently served the dual function of

relieving writing strain while keeping the sleeves from getting stained with ink. They were commonly made of split bamboo, cut in half vertically, with the concave side faced upward to provide wrist support. Rests in the same configuration were also made of wood, ivory, and even jade. Emperor Yongzheng's successor, Emperor Qianlong (1736-1796), wrote the following poem, "A Jade Wrist Rest," in the mid-18th century:

*I know this wrist rest comes from a carving
But why is it shaped like an ancient roof tile?
The mottled clay is darkened and surface
has peeled off*

*Why was it not heard of
thousands of years ago?*

*Those who held it were elegant hands
We scholars in studios are assisted
On it the Saint of Calligraphy
must have rested his wrist
The Laureate of Writing
must have rested his brush.*



The concave side of wrist rests were either plain or sparsely decorated, while the convex underside was often decorated with elaborate high-relief carvings, sometimes by well known artists. Most scholars appear to have preferred the bamboo models because of their rustic appearance, though connoisseurs treasured the ivory ones for their intricate designs and detailed carvings on both sides. The latter must have been more decorative than functional, since the carvings on the concave side were certainly uncomfortable to the wrist.

While scholars often made their own wrist

rests, adorning them with calligraphy or paintings, good commercial ones were also available. Most were produced in east-central China: Zhejiang, Jiangsu, and southern Anhui provinces.

Did wrist rests originate in China? It would seem so, judging by the large number of rests found there. By contrast, rests are scarce in Korea and virtually nonexistent in Japan, even though scholars in both countries wrote with brush and ink. It has even been suggested that rests were completely unknown in Japan and for that reason were not part of the usual desktop furnishings in that country. However, at least one Chinese literary reference would seem to indicate otherwise, Tu Long, a late 16th century Chinese scholar-collector, writes in his personal records, *Kaomi Yushi*, that there are black lacquer wrist rests made by the Japanese. . . . The surfaces are decorated in painted lacquer or lacquer-in-relief. The materials can be as light as paper and are of top quality."

It is possible that the rests Tu is writing about were indeed made in Japan, but exclusively for export to China, and not for domestic use. It is also possible that they were fashioned by Chinese artisans working in the Japanese makie-lacquer style. Either explanation would account for the almost complete absence of wrist rests in Japan, but leave unanswered the question of whether the Japanese did in fact manufacture these objects.

The Field Museum has five examples of old Chinese wrist rests, all belonging to the 18th-19th centuries. Two of them were made of bamboo, two in ivory, and one in lacquer-on-wood.



Above, left to right, bamboo wrist rests. A: 26.2 cm., 17th-18th century, Chinese, FM #126713. An inscription above the engraved design has the signature of the carver, Li Xiaoshan. B: 23.7 cm., 18th century Chinese, FM #126714. Carved with a dragon in relief on the outside, over a diapered design background. C: 29 cm., 18th century Chinese, FM #180373. It is a fine piece, with two lines of archaic characters on the top side spelling out a poem, the carver's name, Chong Heng (?), and the lacquerer's name, Ren Shan.

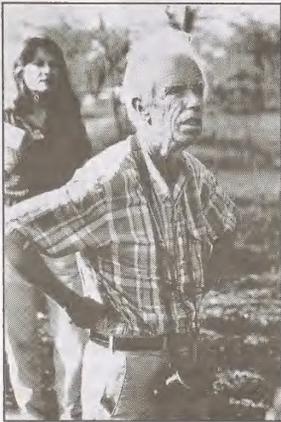
Left and below, carved ivory wrist rests, 18th century Chinese. D is 24 cm. long; E is 27.6 cm. D is tapered toward the top and carved to resemble a section of bamboo split in half. The outside is a low relief of a bamboo growing out of rock. The inside is superbly carved, in deep undercut relief, depicting (in accurate perspective) a lively mountain hunting scene with nine hunters on horseback. FM #232566. E is similar to D but of finer quality. The

outside is highly polished, depicting a man and a boy on a bridge in low relief. The inside is elaborately carved in deep undercut relief; it has two scenes in each of which two women are surrounded by eight children dancing and playing with toys. FM #232567.

Left, a copy of the painting on the ceramic vase (ca. 1700) illustrating a scholar's desk and showing a brush, a brush holder, a water container, an inkstone, and a wrist rest (not clearly depicted on the right side of the desk). The vase was sold in a Köln auction in 1993.



BIODIVERSITY CONFERENCE



John Weinstein/GN87218.26



James Balodimas/GN87208.4



James Balodimas/GN87211.28



James Balodimas/GN87211.13

A Centennial Colloquium on "Dimensions of Biodiversity: Global, National, and Local Perspectives" was held May 20-22, sponsored by the Museum's Center for Evolutionary and Environmental Biology (CEEB). Rapporteur was Sir Geoffrey Palmer, former environmental minister and prime minister of New Zealand and a member of the Advisory Council of the World Wide Fund for Nature. He is pictured above right, with Scott Lanyon and Barry Chernoff of the Department of Zoology.

Hugh Iltis, professor emeritus of botany at the University of Wisconsin ((top right), argued that preservation of biodiversity is dependent on human population control. Other speakers included Peter Raven, director of the Missouri Botanical Garden; George Rabb, director of the Brookfield Zoo; John Sawhill, chief executive of the Nature Conservancy; and other scientists, lawyers, and economists from the U.S. and abroad.

During the Colloquium, participants visited 14 Chicago-area grassland sites which are being

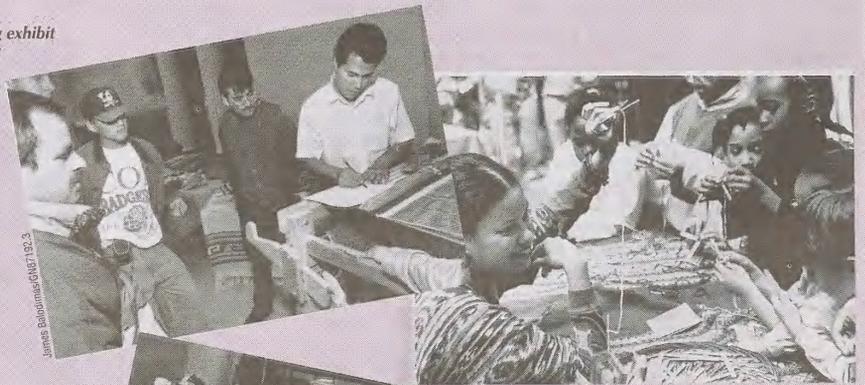
restored to their original state. At lower left, a group visits Illinois State Beach with Floyd Swink (upper left), a botanist at the Morton Arboretum. Many of the participants were local high school teachers.



John Weinstein/GN87218.8

LATIN AMERICAN FOLK ARTS FESTIVAL

In conjunction with the traveling exhibit "Visiones del Pueblo: Folk Art of Latin America," the Museum hosted a family festival of music, dance, storytelling, and crafts demonstrations. Both the exhibit and the festival were sponsored by the Ford Motor Company.



James Balodimas/GN87193.3

John Weinstein/GN87164.24

FALL PROGRAMS GUIDE

A wide range of evening and weekend programs for adults, families, and children is being planned for the fall. These will include adult courses on Egyptian hieroglyphs, Mayan and Aztec gods, and autumn nature walks and birdwatching trips. Also to be offered are family behind-the-scenes tours and a number of dinosaur and fossil programs for all ages. For a complete September-December *Field Guide -- Programs for Adults and Children* with program descriptions and a registration form, call (312) 322-8854.



James Balodimas/GN87167

James Balodimas/GN87193.22

James Balodimas/GN87188.14

MEMBERS' NIGHT MAY 6, 1994



James Balodimas/GN87179.31



James Balodimas/GN87183.26A



James Balodimas/GN87180.6



Diane Alexander White/GN8715.17



James Balodimas/GN87181.5

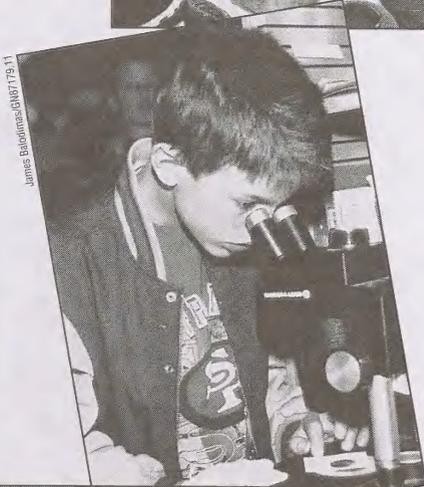


James Balodimas/GN87171.26

Members' Night on May 6 drew more than 5,000 persons for the perennially popular behind-the-scenes peeks at Museum operations and demonstrations by curators and other staff. Clockwise from top:

Gregory Mueller (Botany) tells some serious cooks all about mushrooms; David Willard (Zoology) demonstrates how bird specimens are prepared; Mary Chiz (Design & Production) does a demo of desktop publishing on the Macintosh; Jonathan Haas (Anthropology) explains how pottery traditions diverged in pre-Contact New Mexico.

Kids have their names printed in Egyptian hieroglyphs; others experience the fascination/repulsion of the traditional blood-and-guts demo in the Mammals prep lab; hands-on music-making with African instruments (see story below); a high-powered 'scope reveals the secrets in a slide; Barry Chernoff (Zoology) offers touchy-feely sensations in the Fishes department; and William Simpson (Geology) displays fossil skulls.



James Balodimas/GN87179.31



Diane Alexander White/GN87167.34

AN INVIGORATING VISIT

Four generations of women, including Susan Cutka (in wheelchair), her daughter Ruth Sproch (left), and her great-granddaughter Brooke Banach (out of frame at right), attended Members' Night. Carol Banach, Ms. Cutka's granddaughter, who took the photo, writes: "With the music, exhibits, crowds, and just the general atmosphere of the Museum," the 96-year-old nursing home resident "really came to life. . . . She spent the entire evening laughing, clapping, and trying her best to convey her excitement through speech. No one would believe that this was the same person who usually sits silently and sleeps at the nursing home. The photo was taken by the African musical instruments. The woman in charge of the exhibit encouraged Grandma to try the instruments.



She did, and had so much fun she didn't want to give them up to the children that were waiting! A big thank-you for making May 6 such a memorable evening for a 96-year-old lady."



James Balodimas/GN87180.25



FIELD MUSEUM TOURS

312/322-8862

**November 4–23,
1994**

Fly KLM Royal Dutch Airlines to Amsterdam and Nairobi, then on to the Mara Safari Club where you'll spend three nights in a private tent of Taj Mahal opulence, with a privileged view of the Mara River and its wildlife. Land Rovers with expert drivers take you on safari through the Masai Mara, the northern extension of the Serengeti Plain. A multitude of savanna animals can be found on these open grasslands. Optional activities include a hot-air balloon flight and a visit to a Masai village.

After a day at leisure back in Nairobi, it's on to Antananarivo, Madagascar's capital, where the weekly market day is a white blaze of tented canopies over the street stalls. Drive on to the Reserve at Perinet for a view of many indigenous rain forest birds. If you're lucky, you'll spot a rare Indri lemur. In the Butterfly Reserve you'll see many beautiful specimens —

**KENYA
MADAGASCAR
REDUCED PRICE**



Depart Chicago
November 5-22, 1994

**THE FIELD
MUSEUM**

perhaps including the Mandraka butterfly — found nowhere else in the world. A flight to Fort Dauphin and a drive to the Berenty Reserve permits a nocturnal visit for sightings of lemurs and fruit bats (flying foxes). Next day, your attention will be diverted from the ubiquitous ring-tailed lemurs to fabulous birds like the sickle-billed vanga and the giant coua.

Another flight takes us to Nosy Be and the nearby islands, including the marine reserve at Nosy Tanikely . . . as close to paradise as it gets. Snorkel the crystal-clear water to see fabulous coral, starfish, anemones, and tropical fishes. At Lokobe Natural Reserve, paddle an elegant outrigger along the coast to spot the elusive lepilemur and the shy black lemur.

Due to a very special airfare negotiated with KLM Royal Dutch Airlines, we are able to reduce the tour cost \$260.00. The new price including roundtrip airfare from Chicago is \$6,025.00 per person, double occupancy.

Easter Island and the Fjords of Chile

Aboard the Skorpios II • February 8–22, 1995

Here is the opportunity to explore the stunning regions at the bottom of the world, cruising through the magnificent intricacies of the Chilean fjords' Inside Passage. Bounded by the ice-capped Andes dropping directly into the sea, this remote realm is richly endowed with possibly the highest concentration of dramatic scenery in the world. Our passage takes us through a rarely visited coast lined with a maze of islands, a place of awe-inspiring beauty.

After the cruise, spend two full days touring fascinating Easter Island, situated off the coast of Chile. The island's colossal stone statues, or moai, are as mysterious as they are grand. We explore these remarkable monoliths as well as other points of interest. Leader: Dr. Bruce Patterson, curator of mammals.

WATCH FOR ANNOUNCEMENTS OF THESE 1995 TOURS:

India (Oct. 19 - Nov. 2, 1995) • Morocco • Portugal • Costa Rica • Turkey • Egypt