

AnthroQuest

Newsletter

no. 19 / Winter 2008

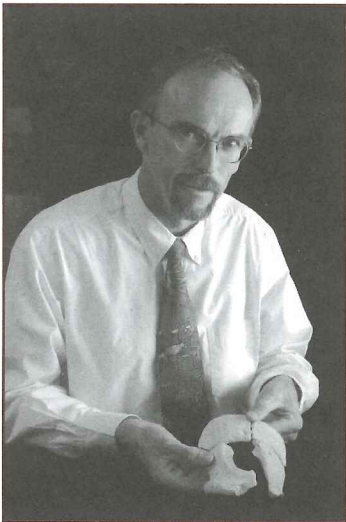


Photo courtesy of Marsha Miller, University of Texas

Fossil Evidence for Ancient Tuberculosis

By Dr. John Kappelman, Leakey Foundation Grantee, University of Texas at Austin

Ancient humans have long been known from all across the broad region that surrounds Turkey but, in spite of the concerted efforts of a large number of paleoanthropologists including the late Clark Howell, until recently field efforts had not turned up any hard fossil evidence of their presence. The inventory of Paleolithic sites proved that early humans had occupied every corner of the country, and comparisons of faunas from Africa, Europe, and Asia documented the fact that ancient Turkey had witnessed numerous migrations across its soils and was geographically positioned at the crossroads of the Old World. All signs pointed to the fact that early humans had occupied Turkey, thus making the absence of fossils all the more striking.

Sometimes discoveries happen in the most unexpected way, and this proved to be especially true in the case of the first ancient human found in Turkey. The fossil, one that we attribute to *Homo erectus*, was found in a block of travertine stone that was being cut into tile-sized slabs for the commercial building stone market. The saw operator realized that he had found something interesting and turned it over to his factory owner who in turn gave it to our team. The fossil consists of a portion of the cranium that includes the frontal and parietal bones. We described the specimen in an online article published in the *American Journal of Physical Anthropology* in December 2007. Given the size of its brow ridge and its developmental state, we concluded that this individual was a young male. Dates from the surrounding travertine deposits reveal that he lived about 500,000 years ago during a mild interglacial climate.

Perhaps the most surprising feature of this fossil is a pathology that includes a series of tiny lesions located on the inside of the frontal bone right behind the eye orbits. We determined that these lesions most closely match those produced by a particular type of tuberculosis. Most TB infects the pulmonary system but the disease also infects nearly every major tissue of the body including, in this case, the meninges, or the membranes that surround the brain. The characteristic tubercles of the disease press down onto the bone and by pressure form lesions in the bone. Dr. Michael Schultz of Göttingen, Germany, one of our co-authors, is an expert in ancient skeletal pathologies, and has published on a clinically diagnosed case of meningeal TB in a 22 year old male that dates from 1877. The lesions in these two cases are indistinguishable from one another. This is the most ancient example of TB known in humans, and we hypothesize that this particular case was exacerbated by a lowered immunity produced by a vitamin D deficiency related to the dark skin color of a low-latitude *H. erectus* population that was migrating northward.

In the course of our work, funded by the Leakey Foundation, we identified additional sediments near the discovery quarry that we intend to prospect for fossils in the coming year. Given the geology of this region, there is also an excellent likelihood for finding rock shelters and caves. But the strange twists of this story might take an even more bizarre turn: Turkish travertine stone enjoys a global market, and it might turn out that the other pieces of this young man's skull are sitting in the tile section of your local building supply store!



Photo courtesy of Dr. John Kappelman



Photo courtesy of Marsha Miller, University of Texas

Funded by The Leakey Foundation and the Scientific and Technical Research Council of Turkey.

Published citation:

John Kappelman, Mehmet Cihat Alçiçek, Nizamettin Kazancı, Michael Schultz, Mehmet Özkul, and Şevket Şen. First *Homo erectus* from Turkey and Implications for Migrations into Temperate Eurasia. *American Journal of Physical Anthropology* 135 (1):110-116.

The mission of the Leakey Foundation is to increase scientific knowledge, education, and public understanding of human origins, evolution, behavior, and survival.

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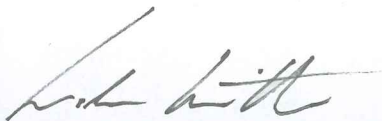
I am pleased to announce that 2008 marks the 40th Anniversary of the Leakey Foundation. Louis Leakey's vision of scientific exploration flourishes, and to commemorate our many achievements since 1968, the Leakey Foundation is preparing for an unprecedented year of activity and celebration, thanks, in part, to the support of our members.

I am extremely excited to announce that the Leakey Foundation will award the prestigious Leakey Prize to two extraordinary scientists who have been pioneering contributors to the field of primatology, Dr. Jane Goodall and Dr. Toshisada Nishida. This truly noteworthy event will occur in the fall of 2008 and will culminate with an awards ceremony and public symposium.

We remain committed to involving you, our members, in the study of human evolution. We endeavor each year to bring scientists in direct contact with our members and encourage collaboration and knowledge-sharing among the public and science community. Within this issue of *AnthroQuest*, you will find additional information about the 2008 Speaker Series on Human Origins. This year will mark an important milestone in Leakey Foundation history, and I hope you will join our celebration.

On behalf of the Leakey Foundation Board of Trustees, Scientific Executive Committee, Staff, and thousands of grantees we have funded, I sincerely thank our members for your generous support and participation over the past 40 years. I also wish to publicly thank and congratulate all our Grantees and Baldwin Scholars for your collective outstanding research and excellence in the field of human evolution - your work facilitates a deeper understanding of what it means to be human. This is truly an amazing time to be a member of the Leakey Foundation.

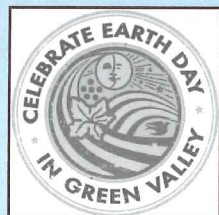
With thanks and best wishes,



William M. Wirthlin, Jr.
President



William M. Wirthlin (right) with C. Paul Johnson at the 2007 Fellows Dinner and Auction. Photo courtesy of Drew Alitzer Photography.



Support Leakey & Be "Green"

The green movement may seem outside The Leakey Foundation's primary focus, but the Leakey mission* includes the study of human origins and survival, so there's a natural link with Earth Day 2008.

The Leakey Foundation is a beneficiary of a fun, grass-roots, eco-event at Iron Horse Vineyards which is owned by two generations of Leakey Trustees. Their gorgeous wine estate is located in the aptly named Green Valley - the coolest, foggiest part of the Russian River Valley. The Earth Day event will feature a walk around tasting of the wines of the area, represented by DeLoach Vineyards, Dutton-Goldfield, Freeman Family Winery, Hartford Court, Iron Horse Vineyards, Marimar Estate, Orogeny and Patz & Hall.

The keynote speaker will be Gil Grosvenor, Chairman of National Geographic. Some of the highlights include: a "Green Market" with a Calfee bamboo bike, Renewable Energy Credits, and the Tesla \$100,000 electric roadster, as well as a presentation of "world street food" by Iron Horse Chef Christopher Greenwald.

The event will also feature a live, solar powered, reggae band performing on the back of an Iron Horse flatbed farm truck, and a raffle for one year free energy, up to \$4,000.

The date is Sunday April 20.

Ticket prices are \$50 General Admission and \$250 for the All Access Pass, which includes a private reception, a V.I.P. gift bag and five "Good Energy Points", valued at \$20 each, which enters your name five times in the drawing for one year free energy up to \$4,000.

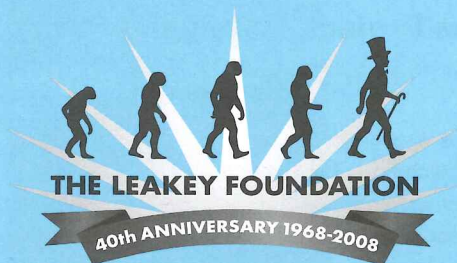
Sponsors include PG&E, Riedel Crystal, Dwell Magazine, The Charmer Sunbelt Group and Glazer's Wholesale Distributors.

The Leakey Foundation is one of four non-profits that will benefit from this fundraising effort.

For more information, please contact:

Joy Sterling
Iron Horse Vineyards
707 887 1507
joy@ironhorsevineyards.com

*The mission of the Leakey Foundation is to increase scientific knowledge, education, and public understanding of human origins, evolution, behavior, and survival (www.leakeyfoundation.org)



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The Leakey Foundation is extremely grateful to its members, whose generosity and commitment play an essential role in fostering scientific investigations into human origins and evolution.*

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*This donor roll is for the period January 1, 2007- December 31, 2007.

Report from the Fongoli Savanna Chimpanzee Project, Senegal

By Dr. Jill D. Pruetz, Leakey Foundation Grantee, Iowa State University

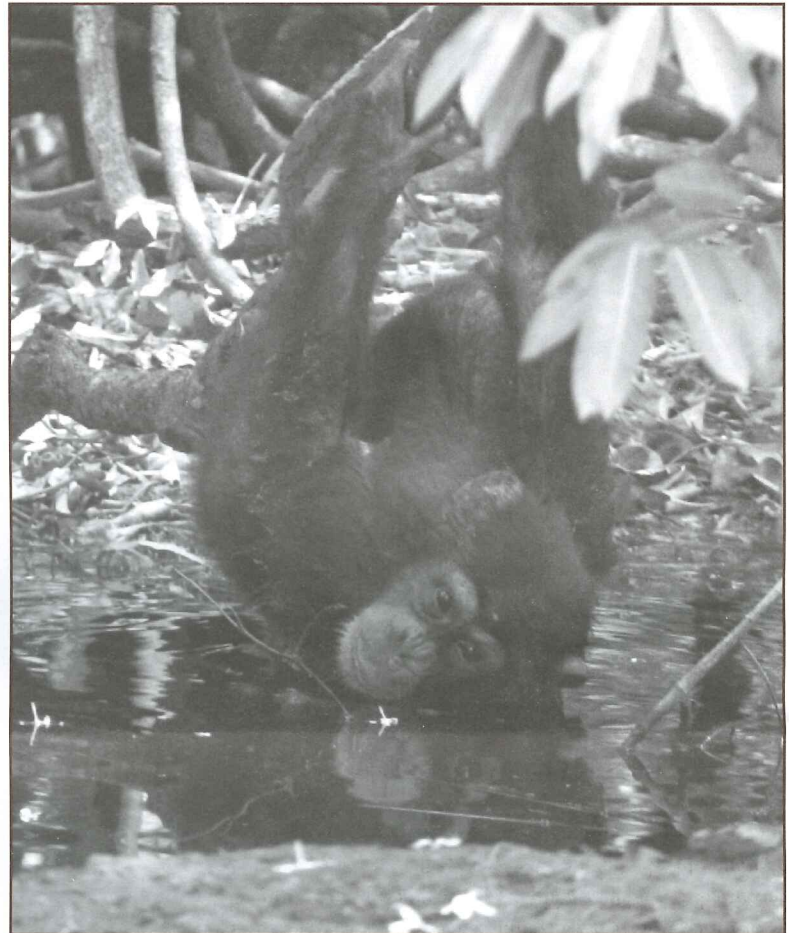
When Louis Leakey first mentored Jane Goodall's study of chimpanzees at Gombe, he recognized the important information that our closest relatives could provide us in understanding the evolution of our own lineage. When Goodall first observed tool use and, later, hunting and meat eating by chimpanzees, anthropologists and others had to rethink what 'being human' meant. We know now that chimpanzees across Africa regularly hunt other animals, including monkeys, and that they are thought to use coordinated or even cooperative behavior to do so in some populations. At the Fongoli study site in southeastern Senegal, we have observed male chimpanzees exhibit what appears to be coordinated behavior in hunting vervet monkeys as well. However, certain aspects of hunting by humans have still been viewed as unique among primates and other mammals, such as humans' use of tools during hunting, that is, until recently.

While tool use has now been observed in every chimpanzee population that has been studied to date, with only a few exceptions, there have been only anecdotal accounts of chimpanzees using tools to assist them while hunting. At the Fongoli study site, chimpanzees living in a savanna-woodland environment are similar to chimpanzees elsewhere in that they have been observed using tools to fish for termites, dip for safari ants, and pound open hard-shelled fruit on hard surfaces, which we term anvil use. However, our report last spring of Fongoli chimpanzees' systematic use of tools during hunting is unique, and specific attributes of this behavior support the assertions that others have made regarding how we think about the evolutionary origins of tool use in the human lineage.

The chimpanzees at the Fongoli site hunt small mammals with tools. In this case, they are hunting another primate known as the bushbaby, a small prosimian that is active at night and sleeps in hollow branches during the day. Additionally, it is not the adult males who are doing most of the hunting. Immature chimpanzees and adult females were observed using tools to hunt at Fongoli at higher rates than expected given the proportion of the community that these age-sex classes represent, and given the amount of data we have on adult males compared to these other age-sex classes. Most of the individuals that we observed using these tools were, in fact, young adult or adolescent females.

Our findings were published last February in the journal *Current Biology*. We observed tool-assisted hunting behavior 22 times in 2005 and 2006, following the habituation of adult chimpanzees to the presence of human observers (this process took four years!). We described this type of hunting with tools as the chimpanzees' attempts to disable the bushbabies before catching them. Although in some cases chimps were able to pull apart the cavities that housed the bushbabies, they always used spear tools first. This makes sense if you are familiar with how bushbabies move. They are vertical clingers and leapers, leaping several feet at one time and bouncing from limb to limb. It is doubtful that chimpanzees would be able to catch a bushbaby. Chimpanzees exhibited up to five different steps in fashioning their tools, including trimming off both ends of the detached branch, and certain individuals trimmed the ends of the tools with their teeth, effectively sharpening the tip.

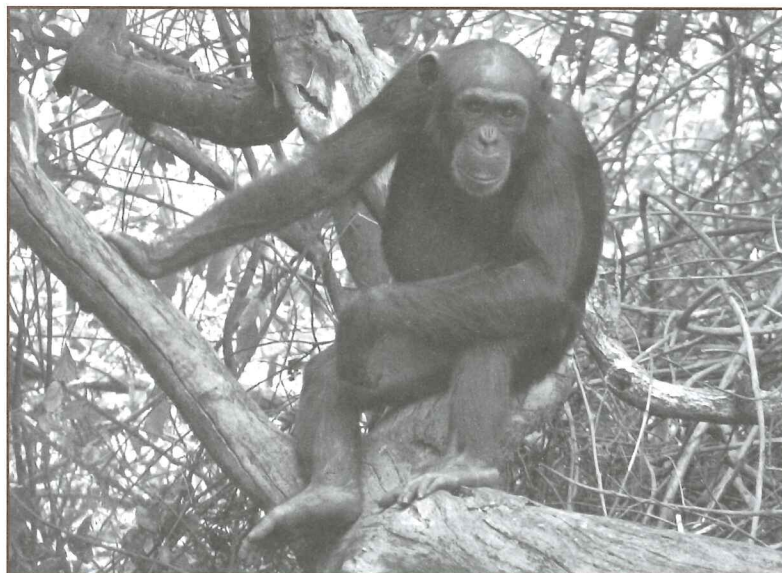
In 2007, we added another 18 cases to our database, which brings our sample size to 40 observations of tool-assisted hunting. In fact, on my last day in the field at Fongoli in August, I saw the alpha male use a tool to successfully hunt

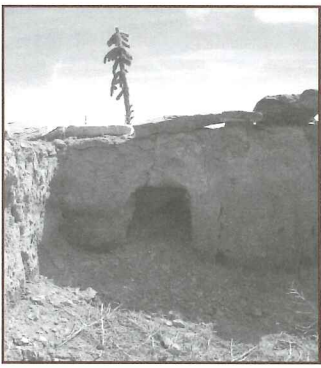


Photos courtesy of Maja Gaspersic, Leakey Foundation Grantee

and acquire a bushbaby. Additionally, I observed one instance in which 3 different chimpanzees tried to spear a bushbaby, but none of them were successful in acquiring it. In this case, I was able to climb up into the tree and see that the bushbaby was wounded, but still alive and trying to bite.

In addition to the alpha male, we have also added two other adult males to our sample this past year. Given how many hours of data we have on adult male behavior, tool-assisted hunting may be a new behavior for them rather than something we have just missed during our previous observations. In primate social groups, adult males are often the last individuals to pick up a new behavior. If we continue to see adult males engage in this behavior, it could indicate that hunting with tools is a recent behavioral innovation in the Fongoli community, or that the behavior was introduced into the community by a female newly immigrated here. Additionally, as the older adult females in the Fongoli community become better habituated to the presence of human observers, I expect that we will find that they engage in this behavior at a greater rate than our sample suggests currently. Finally, one of the most prolific young female hunters (Nickel) just gave birth to her first offspring this past April. It will be exciting to follow the behavior of her infant daughter, Teva, as she matures, to see whether this young female follows in her mother's footsteps. This spring I will offer an online distance education course that includes live, streaming video from the Fongoli site (<http://www.savannachimp.com>). Hopefully, I can update students in the course on more exciting news from Fongoli! I want to thank the Leakey Foundation for their continued support of my research, as well as the research of my graduate students and colleagues. The Leakey Foundation is largely responsible for what is known and understood about primate behavior.





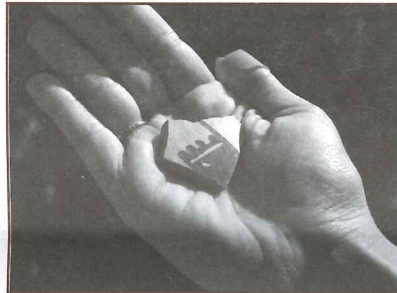
An Exploration of San Lazaro Pueblo

By Alice Corning, Trustee

One of the important programs of the Leakey Foundation is its lecture series, creatively managed by Trustee Camilla Smith. Throughout the year, in various cities, eminent scientists present public lectures. In March of 2007, David Coulson, who specializes in the rock art of Africa, gave a photographic lecture presentation for the Leakey Foundation in Santa Fe, New Mexico. A number of Trustees made the journey from San Francisco to attend. I was fortunate to be among them.

Trustees Naoma Tate and Joan Donner had arranged some special events to coincide with the lecture. We were invited to the extraordinary home of Forrest Fenn, a longtime Santa Fean with a passion for Native American history, artifacts and archeology. There we could view his extensive collection of historic pottery, baskets and ceremonial objects. We were permitted to hold Crazy Horse's peace pipe and to examine its photographic documentation. Forrest has been a collector for many years; he has also excavated extensively at his privately owned pueblo San Lazaro. This pueblo is located in the pinon and juniper spotted hills of the Galisteo Basin, eighteen miles outside of Santa Fe. It dates from the twelfth century A.D. and was occupied continuously until 1680, the time of the Pueblo Rebellion, at which time it was hastily abandoned. At Forrest's home we were able to see a variety of material excavated at San Lazaro. I was particularly fascinated with the medicine bundles, with their groupings of small semi-precious stones. Among other artifacts from the site are plaited baskets, numerous pipes of clay or stone, some with burned tobacco still in the bowls, a bird bone flute, stone and wood effigies, plaster face masks. It is obviously an enormously rich site.

The next day Forrest graciously arranged for us to visit San Lazaro. What a rare experience! This site is relatively untracked, little known, and protected. We wandered around its nearly three thousand rooms, many of them still unexcavated. Forrest acknowledges that there will be better methods in the future and he leaves much to be excavated then. My favorite place in the pueblo was Medicine Rock, a sandstone monolith eighteen feet high, penetrated by a man-made shaft seven feet three



inches by three feet eight inches, descending twenty-nine feet nine inches in depth, and connecting by a tunnel to a shaft on the opposite side. Our imaginations were inspired to ponder the meaning and purpose of this structure, considering the enormous effort expended to create it. Possibly it was a means of hiding from marauding tribes, a staging arena for initiation ceremonies, or the enactment of an emergence myth. Clearly, it was a place of great importance to the ancients. It is estimated that construction took place from 1330 to 1400.

Forrest encouraged us to explore and discover, and soon we were finding on the surface a variety of potsherds which our archeologist guide could date stylistically. We found stone tools, manos and metates. Forrest pointed to the large anthills dotting the landscape and said that often small beads could be found there, excavated by the ants. I had to get down on my knees for this exercise, but soon my efforts were rewarded by the finding of a small and perfect catlinite bead, probably from the twelfth century. How wonderful to hold it in my hand, to imagine the making and use of it so long ago.

We walked further to the remains of the prehistoric earthen reservoir. We explored the clay mine from which clay had been taken for centuries to fashion pottery. I found a stone scraper which would have been used to smooth the clay surfaces. We saw the man-made reservoir chiseled out of rock, called "the bathtub," with its feeder canals. We toured the area where the ancients farmed their crops. A picture was emerging of a civilization that was strong and resourceful; a civilization about which there is so much more to discover.

In Memory of Kaye Jamison

Kaye Jamison, wife of Max K. Jamison and mother to three sons, Max Jr., Michael, and Matthew, passed away on November 16, 2005.

In 1975, Mrs. Jamison joined the Leakey Foundation Board of Trustees. Her enthusiastic efforts involving various volunteer programs earned her numerous awards, including being honored as a Lifetime Member of the Leakey Foundation Board of Trustees.

Mrs. Jamison first met Dr. Louis Leakey as the result of co-sponsoring his first west coast appearance in 1966 in partnership with the California Institute of Technology and the Greater Los Angeles Zoo Association (GLAZA). Later that year, she visited Dr. Leakey in Nairobi, Kenya at his Center for Prehistory and Paleontology.

Along with serving on the Foundation's Executive Committee, she also chaired the National Fellows Program. She helped conceive, plan, and implement the *Stones and Bones Program*, an instructional program on human origins that could be incorporated into senior high school curriculum. She considered this her most significant achievement while involved with the Leakey Foundation.

This remarkable venture involved obtaining assistance from the scientific community, museum authorities, and educators

from all around the world, as well as developing a casting center in Los Angeles. This center is where Mrs. Jamison, along with researchers and scientists, poured epoxy to create the casts used to teach *Stones and Bones*. The program began with 2,200 students in sixteen senior high schools in thirty southern California schools. At the height of the program, *Stones and Bones* was used in schools across the nation, in freshman classes at thirteen colleges and universities, and even in Australia.

One of the Leakey Foundation founders, Mrs. Joan Travis, recently wrote "I was always impressed by her huge smile lighting up the room, emanating a superb sort of self-confidence that said, 'I can do whatever I set out to do!' and then she would plan a project that fit an appropriate need, and simply get it done!"

Recently, her husband, Mr. Max Jamison contacted the Leakey Foundation about re-igniting *Stones and Bones*. The Foundation is currently discussing how to make *Stones and Bones* viable again in the twenty-first century, and how to introduce our earliest ancestors to a new generation of students. If you are interested in helping re-establish this program, please contact the Leakey Foundation at info@leakeyfoundation.org.





Photo courtesy of
Drew Alitzer Photography

Additional Funds Raised for Grants Research

By Sharal Camisa and Don Dana, Leakey Foundation Chairman of the Grants Committee

Auction paddles were soaring as guests witnessed a fierce bidding war for a cast of *Homo habilis* skull OH 24 (KNM) at the 2007 Leakey Fellows' Dinner and Auction on December 6, 2007. In the end it was Mr. Patrick Poe who walked over to his wife, Leakey Foundation Trustee, Dr. Diana McSherry, handed her the mounted cast and said, "Merry Christmas!"

"It was a perfect present and the cast had a place of honor under our Christmas tree," said Diana McSherry. "The auction was terrific. Marvelous fun, with a cast that I could not have gotten otherwise, resulting in the funding of an additional research grant. I can't imagine a better combination."

For almost 40 years, the Leakey Foundation has provided venture capital for the best and brightest scientists to continue the incredible voyage of discovery started by Louis Leakey in 1929. Unfortunately, every year the Foundation runs out of grant funds before scientists and research projects worthy of support.

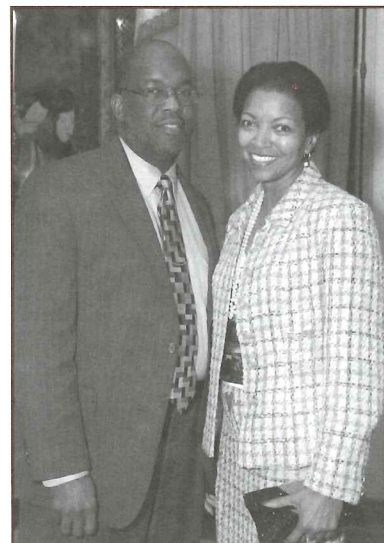
To help bridge this gap, the Foundation held the first Leakey Fellows' Auction in 2006. It was a great success, raising \$15,000 and allowing the Foundation to send two additional scientists to the field.

This year, the Leakey Foundation was able to raise over \$24,000 from six auction lots, with 100% of the auction proceeds funding research.

The 2007 auction lots presented a wonderful mix of temptations for the epicure, the Leakey enthusiast, and the world traveler. One winning bidder received a cruise aboard *The World ResidenceSea* for 10 days in a beautiful studio apartment; the cruise could be taken anywhere in the world. Additional winners won a private dinner with Executive Chef James King anywhere in the United States; a private dinner and wine tasting in Napa, California; a 1965 first edition copy of the *Early Man* book by Dr. F. Clark Howell with a letter from Mrs. F. Clark Howell; and a *Leakey Collection Jewelry set*, exclusively designed for the Leakey Fellows' Auction by Katy Leakey.

The event was held at the home of Leakey Foundation Board Chairman Mr. Gordon Getty and his wife Mrs. Ann Getty. The evening began with a reception and lively presentation from two members of the Leakey Foundation's Scientific Executive Committee. Dr. Frank Brown and Dr. Sandy Harcourt discussed two 2007 December grantees. Following dinner, *Bonhams & Butter-*

New member to the
Leakey Foundation
Advisory Committee
Denise Bradley.
Photo courtesy of
Drew Alitzer Photography



fields auctioneer Dr. Martin Gammon began the second annual Leakey Fellows' Auction.

Planning has begun for the 2008 Leakey Fellows' Auction and Dinner, and it will take place on Thursday, May 29 at the home of Mr. and Mrs. Getty.

For more information on becoming a Leakey Fellow and the special benefits of a Fellow's membership, please contact Sharal Camisa at (415) 561-4646 extension 14 or sharal@leakeyfoundation.org.

In Memory of Teresa 'Tita' Hanger Caldwell

Teresa 'Tita' Hanger Caldwell, a former resident of Washington, DC; Atlanta, GA; and Pasadena, CA, died on April 28, 2007 in Chapel Hill, NC at age 93.



Mrs. Caldwell met Dr. Louis Leakey after her daughter, Penny, wrote Dr. Leakey letters about her interest in anthropology. Later, Dr. Leakey wrote back that he wanted to meet Penny and her family during his next visit to California.

It was after this introduction that in 1968 that Mrs. Caldwell, along with Mr. Allen O'Brien and Mrs. Joan Travis, established the L.S.B. Leakey Foundation to support research into the origins of man. During the early years, Mrs. Caldwell served as Assistant Secretary to the Board, Co-Chairman of the National Lecture Program, and the Public Relations Chairman of the Foundation. In a 1995 newspaper article, Mrs. Caldwell noted, "in the early days, the Foundation sponsored one or two scientists and kept its records in a small plastic box."

For her years of service on the Board, the Leakey Foundation honored Mrs. Caldwell "for her diverse endeavors...in the success of the Fellows Program and the establishment of new chapters." Mrs. Caldwell was given the Leakey



Foundation Medal of Achievement for "outstanding service and dedication" in 1983, and was subsequently voted a Life Trustee of the Board.

As a result of her work with the Leakey Foundation, the Caldwells were involved in the establishment of the Jane Goodall Institute in 1970. A baby chimpanzee at Gombe Stream was later named 'Tita' in recognition of her support.

In a letter to the Leakey Foundation from Mrs. Caldwell, dated April 24, 1984, she wrote, "The Foundation is proof positive that caring and set-resolve will accomplish anyone's dreams. Let us keep the flames of interest and curiosity for research burning brightly for the many years to come."

Thanks in part to Mrs. Caldwell's initiative and involvement, over \$15 million has been awarded to over 1,000 scientists around the world, increasing humanity's knowledge of its origins. 2008 will mark the 40th anniversary of the establishment of the Leakey Foundation.

Join us!

Become a member today and have a hand in the next discovery!

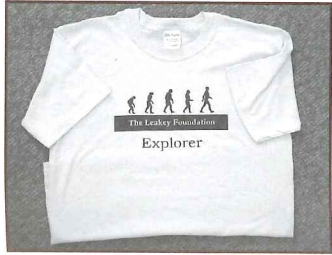
NEW – We encourage past and current Leakey Foundation Grantees to become a member of the *Leakey Foundation Alumni Society*. The goal of the Leakey Foundation Alumni Society is to reach, serve and engage all Leakey Foundation Grantees and to foster a lifelong intellectual and emotional connection between the Foundation and its Grantees. The Alumni Society allows us to honor our Grantees, while providing Grantees with a way to help support their colleagues.

LEAKEY FOUNDATION ALUMNI SOCIETY (\$100+)

As a member of this distinguished group, your name will be highlighted in a special section of the Leakey Foundation Newsletter, *AnthroQuest*, to which you will also receive a subscription. All members will receive advance notice of special events, including lectures and symposia, priority reservations for ticketed events, ticket and merchandise discounts, and a one-year subscription to *Evolutionary Anthropology*. Upon joining, we will send you a **Leakey Foundation Alumni Society** lapel pin.

Also NEW- EXPLORER'S YOUTH MEMBERSHIP (\$50)

To encourage scientific curiosity among youth ages 6-13, members will receive a newly designed Leakey Foundation t-shirt, sized just right for our new youth members (Children sizes S-XL)



Explorer's youth tee (S-XL)

Student/Educators (\$60)

K-12, university students and educators receive advance notice of special events including lectures and symposia, priority reservations and merchandise discounts.

General Member (\$100 – \$249)

General Members receive advance notice of special events including lectures and symposia, priority reservations, merchandise discounts, a one-year subscription to the Leakey Foundation newsletter, *AnthroQuest*. Members may also receive an optional annual subscription to *Evolutionary Anthropology*.

Sponsor (\$250 – \$499)

Sponsors of \$250 or more receive the regular benefits of membership and the semi-annual Report of Grants.

Patron (\$500 – \$999)

Patrons of \$500 or more receive the benefits listed above, as well as invitations to workshops and receptions.

Fellows

Donors of \$1,000 or more are eligible to travel to research sites on exclusive Leakey Fellows Expeditions and to attend an Annual Fellows Dinner and Auction (two invitations per Fellow). Fellows receive invitations to private events hosted by Trustees and exclusive invitations to attend lunchtime lectures with scientists. *Additional benefits are offered.* Contact Sharal Camisa for more information at 415-561-4646.

Thank you for your support of the Leakey Foundation

LEAKEY FOUNDATION OUTPOST

NEW Items inspired by the quest for human origins

Leakey Collection jewelry is owned by Katy and Philip Leakey

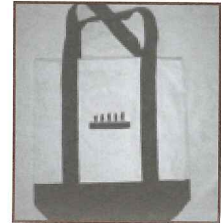
Using natural elements such as fallen wood, grass and ceramic, Katy and Philip work with Maasai women to create unique products while protecting the environment and providing economic opportunity to the local communities.

Zuluwood Jewelry is a new design and is made from the native woods of Eastern Africa.



Earrings \$25.

Additional Leakey Collection jewelry, along with additional merchandise is available at www.leakeyfoundation.com.



Tote Bag: \$20 for members



Yes! I want to support the work of the Leakey Foundation.

Name _____ Phone _____

Address _____

() Visa () MC AMEX # _____ Exp. _____

Signature (authorizing credit card to be charged) _____

- All contributions are tax deductible as provided by law
- The Foundation is now accepting vehicle donations at www.leakeyfoundation.org
- Please consider the Leakey Foundation during the planning of your estate

- () **Student and Educator** \$60
- () **General** \$100 - 249
- () **Sponsor** \$250 - 499
- () **Patron** \$500 - 999

- () **Explorer's Youth Membership** \$50

- () **Director's Circle** \$1,000 - 2,499
- () **President's Circle** \$2,500 - 4,999
- () **Chairman's Circle** \$5,000 - 9,999
- () **Scientist's Circle** \$10,000 - 24,999
- () **Research Council** \$25,000+

- () **Alumni Society** \$100+

Gift of Securities

If you wish to make a gift of stock please contact UBS: JoAnne J. Nishiyama at 626-405-8274 / 800-451-3954

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2008 Speaker Series on Human Origins

The Leakey Foundation is pleased to announce the spring 2008 Leakey Speaker Series on Human Origins. Five experts at the top of their scientific disciplines will present the latest evidence and research in human origins in five cities across the U.S. **Mark your calendars** and visit our website for further information.



Date: March 6, 2008
Time: 5:30pm
Speaker: William Jungers
Location: Geological Lecture Hall, Harvard University
Title: Hobbits in the Haystack: *Homo floresiensis* and Human Evolution
Co-Sponsor: Peabody Museum, Harvard University
Tickets: Free, reservations unavailable

Date: April 22, 2008
Time: 7:30pm
Speaker: Nina Jablonski
City: Santa Fe, NM
Location: The Lensic, Santa Fe's Performing Arts Theatre
Title: The Evolution of Human Skin and Skin Color
Co-Sponsor: School for Advanced Research
Tickets: Free, reservations unavailable

Date: March 20, 2008
Time: 8pm
Speaker: Marc Hauser
City: San Francisco, CA
Location: Jewish Community Center of San Francisco
Title: How Nature Designed Our Sense of Right and Wrong
Co-Sponsor: California Academy of Sciences
Tickets: 415-321-8000, www.calacademy.org

Date: May 1, 2008
Time: 7pm
Speaker: Zeresenay Alemseged
City: New York, NY
Location: Kaufmann Theatre, American Museum of Natural History
Title: The Earliest Child: Learning from Juvenile Hominin Fossils
Co-Sponsor: New York Consortium in Evolutionary Primatology
Tickets: Free, reservations unavailable

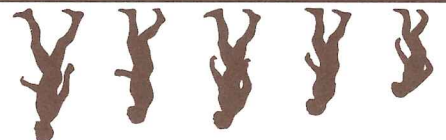


Date: April 12, 2008
Time: 1pm
Speaker: Zeresenay Alemseged
City: Chicago, IL
Location: The Field Museum
Title: The Earliest Child: Learning from Juvenile Hominin Fossils
Co-Sponsor: The Field Museum
Tickets: Free, 312-665-7400

Date: May 30, 2008
Time: 8pm
Speaker: Steven Mithen
City: San Francisco, CA
Location: Jewish Community Center of San Francisco
Title: The Musical Instinct
Co-Sponsor: California Academy of Sciences
Tickets: 415-321-8000, www.calacademy.org

www.leakeyfoundation.org
San Francisco, CA 94129-0346
1003B O'Reilly Avenue

L.S.B. Leakey Foundation
For/Or Research Related to Man's Origin,
Behavior and Survival



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