

the L.S.B. Leakey Foundation NEWS

NUMBER 2

SUMMER, 1975

FOURTH ANNUAL LEAKEY MEMORIAL SYMPOSIUM SCHEDULED FOR NOV. 1-2

*Eleven International Scientists to Participate;
National Geographic Society to Host Special Dinner*

As a result of a special meeting held in Washington, D.C. early in May, a working committee has been formed, the lecture auditorium confirmed, a program of participating scientists has been finalized and a special fellows dinner hosted by the National Geographic Society is now in the works for the fourth annual Louis Leakey Memorial Symposium to be held in Washington, D.C. this November 1 and 2.

The two-day conference, which is open to the public and is the largest, most extensive lecture series undertaken by the Leakey Foundation annually, will be jointly sponsored this year by the National Geographic Society, the Smithsonian

Institution Resident Associate Program and the Consortium of Universities of the metropolitan area of Washington, D.C. It will be held at Lisner Auditorium, George Washington University.

Eleven internationally known scientists from six countries have accepted the Foundation's invitation to participate in the weekend symposium. They are: Drs. C.K. Brain (South Africa), François Bordes (France), Bernard Campbell (England), Raymond A. Dart (South Africa), Irvén DeVore (U.S.), Jane Goodall (England), David A. Hamburg (U.S.), F. Clark Howell (U.S.), Mary D. Leakey (Kenya), Paul C. MacLean (U.S.), and G.H.R. von Koenigswald (Germany).

Attending the planning session were: Dr. Melvin Payne, president of the National Geographic Society and trustee of the Leakey Foundation, who will chair the special event; Mrs. Janet Solinger, director of Smithsonian Resident Associate Program; the Rev. John P. Whalen, director, Consortium of Universities; and Mrs. Ronald Pelosi, Leakey Foundation trustee.

The newly-formed Washington, D.C. symposium committee includes the Mmes. Matthew Stirling, John D. Hawke, Jr., Pat Fleming, Paul Berger, Seymour Strongin, Thomas Wilner, Vincent Wolfington, William Shannon and James Bellows.

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SPRING CONFERENCE DRAWS 150 Termed great success for the Foundation

More than 150 fellows of the Leakey Foundation, many of them from as far away as Ohio and Texas, were in attendance at the first day-long spring conference hosted by the Foundation this May 10 at the J. Paul Getty Museum in Malibu, California.

The event was termed so successful that it is expected to be repeated annually.

Trustee Mrs. Max K. Jamison chaired the "invitation only" event and Leakey Foundation officers George Jagels, Robert Beck, Gordon Getty, Mrs. R. Hugh Caldwell, Jr. and Mrs. Arnold Travis, were among the special hosts for the day.

World-renowned scientists such as Dr. David Hamburg, Reed-Hodgson professor of human biology, Stanford University; Dr. Donald C. Johanson, who discovered the remains of a 3.5 million year old hominid female at the international AFAR expedition in Ethiopia; and Dr. Everett Olson, who spoke on new theories of continental drift, were among the group of eleven distinguished "tutors" who conducted informal workshops in the Getty Museum gardens.

Leakey fellows also had an opportunity to engage in some lively dialogues

with the experts on such subjects as conservation and ecology of lowland gorillas,



Conference chairperson Mrs. Max K. Jamison with Drs. David A. Hamburg and Beatrix A. Hamburg.

the role of zoos in the preservation and breeding of endangered species and the reevaluation of male and female roles in non-human primates. Progress reports on international expeditions such as Lake

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NEWS FROM GOMBE

The Leakey Foundation's utmost concern over the recent kidnappings at the Gombe Reserve Station in Tanzania, is for the safe return of the two Stanford students and the Dutch woman who administered Gombe. This statement was issued in early June by Dr. E.S. Munger, president of the Foundation.

The Leakey Foundation was not supporting the students directly, but has contributed over \$60,000 towards the overhead costs of the Gombe Station headed by Dr. Jane Goodall. In addition, Foundation trustee Royal Little provided funds for the purchase of a boat for the station, which is best approached along the shore of Lake Tanganyika.

Dr. Goodall is a trustee of the Foundation and a member of its Science and Grants committee. Dr. David Hamburg, also a trustee, left for Tanzania on May 27 after intensive work in the United States organizing rescue operations.

As of press time in mid-June, negotiations were being carried out with the kidnappers and Dr. Goodall had taken all records from Gombe to Dar es Salaam where work on them continues.

the L.S.B. leakey foundation

The L. S. B. Leakey Foundation was established in 1968 by distinguished laymen and scientists to encourage international research focusing upon man's origins, his evolving nature and his environmental future. The Foundation was named to honor Dr. Louis S. B. Leakey in recognition of his outstanding contributions to the fund of human knowledge.

The Foundation sponsors:

- Exploration and excavation of sites having a bearing upon the evolution of man.
- Behavioral and taxonomic studies of living primates as a corollary to paleontological finds, as well as to provide insight into contemporary man's behavior.
- Laboratory studies of field specimens resulting from exploration and excavation.
- Publication of scientific reports of field and laboratory findings.

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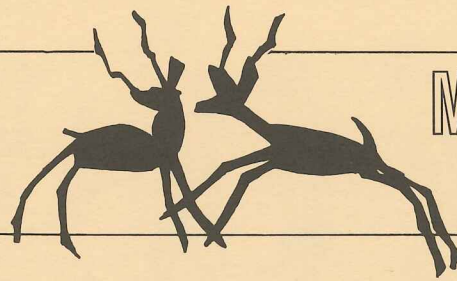
The L. S. B. Leakey Foundation is a public foundation. All contributions are tax-deductible as provided by law.

the L.S.B. leakey foundation news

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THE L. S. B. LEAKEY FOUNDATION NEWS is published by the Foundation as a service to its members. Single copy price, \$1. Address all correspondence: L. S. B. Leakey Foundation, Foundation Center 216-76, Pasadena, Ca. 91125

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MEMO FROM THE PRESIDENT

When Louis Leakey received an honorary doctorate from the University of East Africa in 1965, he said in his acknowledgement:

"People frequently ask me why I devote so much time to seeking out facts about man's past . . . The past shows clearly that we all of us have a common origin and that our differences in race and color and creed are only superficial."

That was illustrated for me one day in the old Congo when I was on a research trip with an African student. As we drove along the dusty red road we saw an old man who was wearing a skin (then quite rare even in rural areas). The student suddenly said, "There's a great spear." He knew I was collecting unusual spears to use in a recreation room with an African motif.

I stopped the car and approached the old African and, speaking in Swahili, offered him three shillings for the spear. The African lifted his bent shoulders and shook his head: "Hapana" ("no").

I started to withdraw, but my African companion called to me to try again. It was a magnificent spear. Attempting a Madison Avenue hard sell, I took out five shillings from my pocket, opened the old man's hands, and pressed his gnarled fingers around the coins. The feel of the cold hard cash would convince him.

The grey-haired man leaned on the spear, looked around at the open savannah teeming with game and then down the road where, some 22 miles away, he could buy a new spear point for, perhaps, a shilling. Then he looked condescendingly at me and said, in Swahili, "Yes, these shillings are the same as five spears — but will the lions know that?"

Wisdom and intelligence are a function of time and place. The old man's acumen was far sharper than mine. I felt deservedly humble.

The Leakey Foundation has its origins in California among intellectually curious and philanthropically inclined people. But its search to understand man now spans all inhabited continents except Australia. Its goals are unbounded by race, religion, or nationality because, as Louis Leakey said, "We all of us have a common origin." And we search for understanding of our common *Homo sapiens* nature.

Cordially,

Edwin S. Munger
 President

WASHINGTON SYMPOSIUM

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Serving on the Leakey Foundation committee for the event are: trustees Gordon P. Getty (chairman), Mmes. Ronald Pelosi, Paul Pelosi, R. Hugh Caldwell, Jr., Arnold Travis, Mr. Ed N. Harrison, Drs. Harold Coolidge, David Hamburg and F. Clark Howell.

Registration for the two-day lecture series is \$50 per person, with a special rate of \$20 for students. For details and reservations write: Mrs. Mary Pechanec, Executive Director, L.S.B. Leakey Foundation, Foundation Center 216-76, Pasadena, Ca. 91125.

Good News for West Coast Fellows Planning to attend the Washington Symposium:

A substantial savings in airfares from the west coast to Washington, D.C. may be made by early reservations through major airlines.

If you are interested in more details about round trip fares at \$234 per person, please write to the Foundation office for "Washington, D.C. Symposium Travel Information" and let us know how many in your family are planning to attend.

SPRING CONFERENCE

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Rezaieyh, Iran and updates on special projects such as research into dating fossil man — all of which have received Foundation grants over the past several years, were also reviewed as part of the day's program.

Other events included a tour of the Getty Museum (a recreation of the Villa of the Papyri in ancient Herculaneum) and a welcoming talk by Deputy Director Stephen Garrett. Mr. Garrett discussed the museum collections which include a grouping of antiquities considered to be one of the best in the U.S. Following the tour, a special buffet luncheon was served on the outdoor portico of the museum overlooking the gardens.

Many of the visiting fellows arrived from other parts of the country. Among the San Francisco contingent were trustees Gordon P. Getty, Mmes. Paul Pelosi, Ronald Pelosi and Mr. and Mrs. Lawrence Barker. Bay area fellows included Mmes. and Messrs. Elmer Schlesinger, Frank Woods, Richard J. Guggenheimer, and Mrs. Ann W. Gillette.

Other out-of-towners were Mmes. and Messrs. William H. Burgess, Palm
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SPRING CONFERENCE

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Springs, Ca., Leonard Hurtz from Carpenteria, Ca., Mrs. Margot Marsh from La Jolla, Ca., Mrs. Sue Worts from Las Vegas, Nev., Dr. Michael Furay from Orinda, Ca., and Mr. Hubert Hudson from Brownsville, Tex.



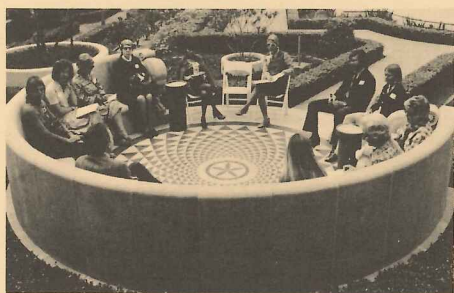
A buffet luncheon was served on the portico overlooking the Getty Museum gardens.



Checking the day's program [l to r]: Lawrence Barker, Shirley Strum, Gordon Getty, Mrs. Ronald Pelosi.



Fellows listen eagerly to both Raymond L. Bernor and George T. Jefferson who reported on Lake Rezaieyeh expedition developments.



Many of the classes were held in outdoor settings such as these at the Getty Museum.

BEHIND THE SCENES

The volunteers who helped organize the Spring Conference Fellows Day worked long and hard to make it the success it was. They included:

Mmes. Renata Russell and Brawler Ralphs who handled the sale of books and cassettes.

Mmes. Henry Escher, Owens Miller, O'Malley Miller, Kurt Mann, who were in charge of registration.

Hostess guides were: Mmes. Robert M. Beck (captain); Kenneth Leventhal, Clay H. Seaman, Jean Brody, David F.

Friedman, David Weiner, and Miss Ann Getty.

Mmes. Clay Seaman and David Weiner were responsible for the unusual, eye-catching signs designating the location of various workshops.

ABOUT THE CONFERENCE "TUTORS"

DR. RAINER BERGER is professor of anthropology, geography and geophysics at UCLA. He spoke on the basic techniques and results of dating fossil man.

RAYMOND L. BERNOR, chief paleontologist, Lake Rezaieyeh expedition and GEORGE T. JEFFERSON, curator of vertebrate paleontology, Los Angeles County Museum of Natural History, reported on the 1974 results of the Lake Rezaieyeh expedition in Iran and future prospects.

DR. DAVID A. HAMBURG, spoke on experimental programs and goals of research at the Stanford Primate Facility. Dr. Hamburg is director of the Facility and associated with Dr. Jane Goodall in the study of chimpanzee behavior at Gombe. Dr. Hamburg, Reed-Hodgson professor of biology at Stanford, is currently in residence at the California Institute of Technology as one of the Sherman Fairchild Distinguished Scholars.

DR. DONALD C. JOHANSON is assistant professor of anthropology, Case Western Reserve University and curator of physical anthropology at the Cleveland Museum of Natural History. He spoke of the 3.5 million year old skeleton find at the AFAR expedition in Ethiopia and the implications of this discovery on our knowledge of the genus *Homo*. Dr. Johanson co-directs the AFAR expedition.

DR. EVERETT OLSON is currently professor of biology of UCLA. His fields of special interest are geology and vertebrate paleontology. His talk concerned the latest data on theories of continental drift.

DR. JAMES SACKETT, assistant professor of anthropology at UCLA, is particularly involved in archeological field research in later stone age sites in southwestern France. He is director of the UCLA/University of Bordeaux Solvieux project in the Dordogne Valley where he has been working during the past five summers.

RUTH DeETTE SIMPSON, since 1964 San Bernardino County archeologist and curator of archeology at the San Bernardino County Museum, is the field director of the Calico Project excavation at Barstow, Ca. which may yield the oldest evidence of man in America. The project was first directed by Dr. Louis Leakey. Ms. Simpson spoke of progress to date.

SHIRLEY STRUM, who spoke on re-evaluation of male and female roles in non-human primates is presently acting assistant professor of anthropology at the University of California-San Diego. She leaves this summer to direct a continuing research project on baboon behavior at Gilgil, Kenya.

DR. WARREN D. THOMAS talked on the role of zoos in the preservation and breeding of endangered species. Dr. Thomas is director of the Los Angeles Zoo.

JULIE WEBB, who spoke on conservation and ecology of lowland gorillas, is a graduate student of primatology at UCLA. She will leave this November for long-range research on the lowland gorilla in the United Republic of Cameroun.

BRINDAMOURS MEET PRINCE BERNHARD

Birutė Galdikas-Brindamour and her husband Rod Brindamour were received by Prince Bernhard of the Netherlands in Jakarta this past April during a private visit the Prince made to Indonesia.

The occasion of the visit was the presentation of a gift of \$100,000 to President Suharto to further the cause of conservation to which the Prince is deeply dedicated. The funds had been generated by World Wildlife Fund from a gold coin program. A special dinner was hosted by Indonesia's vice president Sri Sultan Humonogkubuwono, a personal friend of Prince Bernhard.



Prince Bernhard of the Netherlands discussed orangutan studies with the Brindamours in a specially arranged meeting in April in Jakarta, Indonesia.

Ms. Galdikas-Brindamour's field research on the endangered free-ranging orangutan these past four years in the Indonesian jungles, was known to the Prince. They met for nearly an hour at which time he showed great interest in the project and discussed with her at length, the various aspects of her work. He then requested that she take 11 orangutans which had been orphaned and housed in a zoo-like atmosphere in Jakarta, back to the jungles as part of their rehabilitation program, to which Birutė gladly agreed.

Following the meeting, the Brindamours returned to the U.S. to screen the film made of her orangutan project in Los Angeles by Wolper Productions and the National Geographic Society and to Washington, D.C. to complete work on an article on the project which will appear in October in *National Geographic Magazine*.

Birutė was also the guest at an informal evening at Caltech for Leakey Foundation trustees and fellows, April 29. At this time, she shared new slides and films taken by her husband Rod, and discussed some of the difficulties encountered in tracking the elusive red apes through Borneo rain forests, where logging and poaching constantly threaten the survival of this imperiled species.

The Brindamours returned to Indonesia and their isolated camp near the Kunai River in mid-May to continue their important work.

Along with Jane Goodall and Dian Fossey, Birutė's long-term research program was guided and launched by Dr. Louis Leakey. She is the youngest member of the remarkable triumvirate of Leakey protégées whose comprehensive studies of the great apes are permitting fuller understanding of their life ways.

PROFILE

TRUSTEE, NATURALIST Ed N. Harrison

Ed N. Harrison, past president of the Leakey Foundation, has been an amateur naturalist for 45 of his 61 years. His major interest is ornithology and oology (the study of bird eggs). Over these years he has developed one of America's largest bird specimen collections, written countless articles and papers on the subject, and built a museum which is considered by experts to be one of the best and largest depositories of bird eggs and skins in the country. Dozens of scientists visit it regularly for research and study while he continues to add specimens by acquiring other collections and sponsoring expeditions to various parts of Mexico, Canada and Central America.

But this is hardly where his interests leave off:

Harrison is a conservationist who actively works toward the banning of DDT and hydrocarbons. He has done nature films for Disney, been a wildlife photographer and is now working on a book about the California condor. He collects Indian artifacts, fossils, and rocks ("I'm a stone and bone man, too," he tells you) and is a member, officer, trustee or director of more than a dozen museums and scientific organizations, among them: the Los Angeles County Museum of Natural History (honorary life member and president of the board), the San Diego Museum of Natural History (youngest member ever elected to the board, he has served for 27 years), the Cooper Ornithological Society (life member), the American Ornithologists Union (elected member), and the Friends of the Los Angeles Zoo (former executive vice president).

Harrison has served on the Shoreline Planning Association of California and on the California State Advisory Com-



Photo by Bill Walker

Ornithologist-oologist Harrison.

mittee on Conservation.

He was named one of the leading amateur scientists in the country by *Life Magazine* in an article in September 1956.

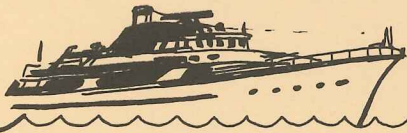
He is a life member and a fellow of the California Academy of Science. Few laymen are ever elected to that group.

To have involved himself in the Leakey Foundation seems an obvious choice to Harrison. He joined the group in its first years of organization. As president from 1969 through 1971, he was responsible for having organized some of the major fund raising efforts in behalf of the Foundation. Now a trustee, he still plays an active role in Foundation affairs, serving as a member of the board.

Ed Harrison met Dr. Louis Leakey in 1952 in Nairobi where he had gone to trade bird and bird egg specimens. While Harrison was president of the Foundation they renewed the friendship, often spending many hours together at Harrison's office in Los Angeles going over fossils and rocks.

"He came to talk stones with me whenever he was in town. He could tell me if I had a fake. We'd argue and discuss them for hours. They were fascinating sessions," Harrison tells you.

Ornithology may be Harrison's avocation — but property management—real estate is his vocation. He was born in Cody, Wyoming, grew up in Denver and came to California in his early teens. He lives in Los Angeles now, is married and has three children, all of whom, of course, have an interest in nature and conservation.



INTERESTED IN A SEA SAFARI ?

What archeological and historic sites would you like to visit from your cabin aboard an elegant Greek cruise ship in the Mediterranean on a Leakey Foundation program from September 15 to October 15, 1976?

That is a question Dr. Edwin S. Munger, George Jagels, Dr. James Sackett and Mrs. Arnold Travis have been discussing with Dr. M.A. Griffiths, vice president of Chapman College and Dr. Raymond Thurston and Jules Diebenow of its International Studies Center. The advantages of relaxed study on shipboard with lectures by world experts before visiting key sites have been demonstrated by the Chapman World Campus Afloat student semesters.

This adult voyage — after arrival in Europe by charter aircraft — would follow the tradition of the Leakey safari to East Africa and the highly successful symposia in the United States.

Neanderthal caves in France, Hittite ruins in eastern Turkey, Carthage, Crete, Plato's "Lost Island of Atlantis" or Thera, and many other sites in the Mediterranean and Black Sea possibly including Sochi and Batum, are being discussed by the Foundation's planning committee.

Under consideration for 1977 is a Leakey Cruise (punsters to the contrary) from Los Angeles to sites in Central America, Peru, Easter Island, the Galapagos and the Marquesas Islands.

Actual details will be mailed to fellows and reported in our next newsletter.

F. CLARK HOWELL IN CHINA

Dr. F. Clark Howell, chairman of the Leakey Foundation's Science and Grants Committee, left May 12 for a month long visit to the People's Republic of China. This is part of the exchange program between our National Academy of Sciences (of which Dr. Howell is a member via its Committee on Scholarly Communication with the People's Republic of China) and the Scientific and Technical Association of the P.R.C.

Thirteen groups of scientists, representing various disciplines and research foci, are involved in this mutual exchange between the two countries.



F. Clark Howell conducting a field study.

Dr. Howell is chairman of the eleven-member paleoanthropology delegation. Two members are social scientists and China scholars. The other core members of the delegation are specialists in physical anthropology, human biology, human and primate paleontology, various aspects of archeology, geology, geophysics and paleobotany.

The delegation will be in China from May 15 to June 11. An extensive itinerary has been prepared to permit the delegation to visit a variety of institutes and laboratories and to travel widely to view areas and sites of archeological, paleontological and geological interest.

Following the trip to China, Dr. Howell will return via Indonesia where he will visit principal paleontological and archeological sites and study important hominid fossils (particularly *Homo erectus*) found there in recent years.

KIKUYU BOOK IN PREPARATION

A sociological, anthropological study of the Kikuyu tribe of Kenya, documenting their beliefs, customs and completely based on Dr. Louis Leakey's first-hand knowledge, is now being edited under Mary Leakey's supervision by Louis' sister, Mrs. Gladys Beecher.

The project, which has been entirely supported by Leakey Foundation grants is expected to be finished and published by Academic Press in the fall.

GOODALL-BRYCESON WED

The Leakey Foundation is pleased to announce the marriage of Dr. Jane Goodall to the Hon. Derek Bryceson, M.P. and director of Tanzania National Parks. The marriage took place earlier this year in Tanzania.

News and Notes in Brief

J. DESMOND CLARK TO GIVE LEAKEY MEMORIAL LECTURE

Dr. J. Desmond Clark, internationally known scientist and professor of anthropology at the University of California, Berkeley, will be guest speaker at the Louis Leakey Memorial Lecture presented by the Academy of Natural Sciences of Philadelphia on October 28, 1975.

The lecture is an annual event sponsored by the Academy with the cooperation of the Leakey Foundation.

Dr. Clark's talk: "PREHISTORIC ETHIOPIA: NEW DISCOVERIES ABOUT MAN'S DEVELOPING SKILLS AND BEHAVIOR BEYOND THE SOURCES OF THE NILE", will enable him to give a summary of his own and other recent field work.

MICHAEL DAY RETURNS TO ENGLAND

Anatomist Dr. Michael Day returned to London this past April following a lecture tour in behalf of the Leakey Foundation in the U.S.

Among other stops, Dr. Day appeared at Caltech, Pasadena City College, San Diego Museum of Man, Maturango Museum at China Lake, University of California-Davis, College of Marin, and Simon Fraser University.

Dr. Day also visited with Dr. Donald C. Johanson in Cleveland to see and discuss the fossil skeleton found by the international AFAR expedition in Ethiopia this past fall.

FOUNDATION FORMED TO RAISE FUNDS FOR LEAKEY MEMORIAL

A new foundation, FROM (Foundation for Research into the Origin of Man) — has been incorporated in New Jersey with the primary purpose of raising building and fellowship funds for the Louis Leakey Memorial Institute in Nairobi, Kenya.

Three FROM trustees met with the Development Committee of the Leakey Foundation in May to work out cooperative relationships. David Look, president of FROM, thanked the Leakey Foundation for its \$100,000 check in 1974 to the Institute building fund. As in the past, contributions to the Institute may be made through the Leakey Foundation and will normally qualify for a matching grant to the Leakey Endowment Fund.

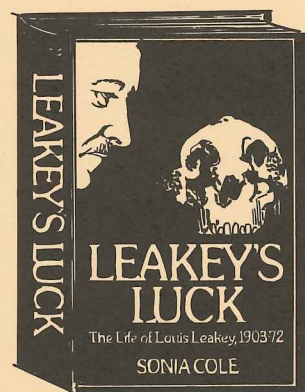
LEAKEY BIOGRAPHY TO BE RELEASED

LEAKEY'S LUCK, the official biography of Dr. Louis S. B. Leakey, written by Sonia Cole, will be published by Harcourt Brace Jovanovich this fall in the U.S. The book has already had wide distribution and much critical acclaim in England. It was published there in April.

The U.S. printing is expected to retail for \$14.95 and will be available to Leakey Foundation members at a special discount in August.

Mrs. Cole met the Leakeys in 1945 in Kenya and later joined them in many of their expeditions. A dedicated fossil-hunter now living in London, she has authored several books on prehistory and has arranged exhibits for the British Museum of Natural History.

The book concerns Louis Leakey as a personality as well as a scientist and details his many years of exploration at Olduvai Gorge, his discovery of 'Nutcracker Man', his varied other interests including wildlife, conservation and museum work and includes comments from a wide range of relatives, friends and acquaintances, among them some Leakey Foundation trustees.



LONDON SYMPOSIUM

A distinguished group of more than 30 scientists participated in a Geological Society of London Symposium in February. The subject; *Geological Background to Fossil Man: Recent Investigation in the Gregory Rift Valley, East Africa.*

The meeting clarified a number of problems concerning correlation between the various research areas and some most exciting reports were presented describing new discoveries, according to Dr. W. W. Bishop, head of the department of geology, Queen Mary College, who as secretary of the Society, helped organize the gathering.

Partially funded by a Leakey Foundation grant, scientists from the U.S., Canada, France, England, Ethiopia, Kenya, and Tanzania attended including Leakey Foundation science and grants trustee F. Clark Howell, as well as Glynn Isaac, Richard Hay, Anna K. Behrensmeyer and Mary Leakey.

MARY LEAKEY IN TANZANIA

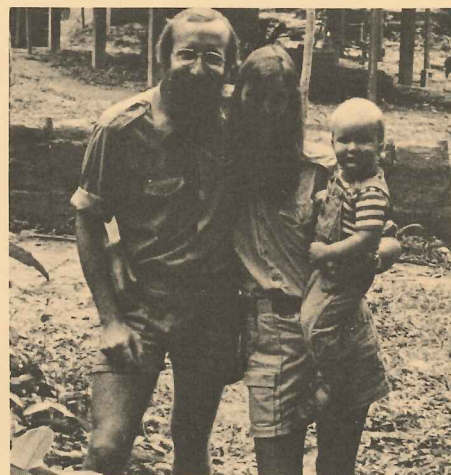
Following a brief illness in London, which forced the cancellation of her visit to the U.S. in March, Dr. Mary Leakey has



Mary Leakey at Olduvai Gorge, Tanzania.

returned to Olduvai Gorge in east Africa and is now preparing to explore a new area in Tanzania this summer.

Dr. Leakey will visit the U.S. again in the fall when she will participate in a Leakey Foundation-Caltech lecture series in Pasadena and the annual Leakey Memorial Symposium in Washington.



The Rucks in front of their thatched house three miles inside Bia South, Ghana.

RUCKS REPORT PROGRESS

A recent letter from young anthropologist-zoologist Meredith Rucks who has been reorienting orphaned or captured infant chimps, monkeys and antelopes in Ghana for the government, tells us she is very proud of having rescued a baby chimp, two to four months old that had a bullet wound and was suffering from malnutrition and dehydration. She operated and probed the bullet out, treated the infant with penicillin and has now nursed him back to health.

Both Meredith and her husband Michael Rucks have been working these past three years through the Peace Corps and the Smithsonian and on grants from the Leakey Foundation, to survey an area 660 square miles for the Ghanaian government. As a result of their survey and administration, the area, called Bia South, has now been declared a National Game Park. Initially, it had only three to four rangers and now as a result of the Rucks work, it has six full ranger stations and 40 rangers with plans under study for a possible chimp colony for the area.

SAN DIEGO SYMPOSIUM POSTPONED

A San Diego symposium, originally scheduled by the Leakey Foundation for mid-October, has been postponed.

GRANT SPOTLIGHT

Would you like to help?

The Leakey Foundation's Science and Grants Committee evaluates research proposals each year submitted by outstanding individuals and international research teams. Funds are awarded which help facilitate the pursuit of worthy scientific projects concerned with human evolution, early cultures, and environmental conservation. Well over \$650,000 has been distributed in the past eight years. Grants have gone for research on primates, dating techniques, explorations and excavations, animal behavior studies, wildlife preservation, laboratory and field work, educational projects, international conferences, and special publications.

The success of this program depends largely upon public support. Membership gifts to the Foundation directly assist such projects. Special contributions and special designated funds provide additional needed support.

Would you like to participate in this great search for facts on man's origins and behavior?

The following projects are distinguished studies approved by the Foundation and now in urgent need of continued support. Contact the Leakey Foundation if you would like to help.

MIKUMI, Tanzania

Under the direction of Dennis Rasmussen of the department of psychology, University of California, researchers are comparing social behavior, range use patterns and environmental variables between olive baboons and yellow baboons at Mikumi National Park near Gombe. The study is expected to give some clues to man's own behavior patterns.

Mr. Rasmussen is also involved in ranger training programs for the maintenance of long term records on baboon ecology and behavior. "It is only by teaching more people to understand and appreciate the unique animal life of their country that we can hope to see that animal life conserved in the future," writes Dr. Jane Goodall of the project.

Dr. Rasmussen needs an additional \$1100 towards the support of this research and study program in 1975.

GILGIL, Kenya

A long term baboon study at Gilgil in the Rift Valley, Kenya started in 1969 by Dr. R.S.O. Harding (University of Pennsylvania) and now continued in collaboration with Ms. Shirley Strum (University of California) is beginning to provide longitudinal information on kinship structure, female sexual cycles, range utilization, male transfers, communication repertoire, intertroop interactions and predation by baboons on small animals.

Ms. Strum leaves this summer to continue her studies and long term research. She is particularly interested in studying the predatory behavior of baboons since it is believed this will give us some insight into the origin and development of hunting and its importance in man's evolution.

Her studies are providing the basis for a doctoral thesis on intratroop social dynamics she expects to receive in December at the University of California. A part of that report was carried as the cover story in the May issue of *National Geographic Magazine*.

It is estimated that \$10,000 will be needed annually to continue the field work.

TIGONI, KENYA

The Institute of African Primatology at Tigoni under the auspices of the National Museums of Kenya, was established by Dr. Louis Leakey in 1958, to study behavior and growth patterns in primates. Now under the direction of Dr. S.M. Richards, the Institute contains training facilities for students of primatology as well as facilities for special studies of Old World monkeys. No primate other than the great apes are closer living links to man's past and therefore they provide a broad basis upon which to research vaccines, cancer, heart disease, fertility, geriatrics, etc.

Dr. Richards tells us that the World Health Organization has provided a recent grant but that a minimum of \$3500 is still needed during the remaining half of 1975 for the operation and maintenance of this unique facility. A portion of the Institute's annual budget is now being funded by the National Museums of Kenya and the government of Kenya as well as the Leakey Foundation.



Students at work on primatology studies at Tigoni.

LAKE REZAIYEH, Iran

World-renowned anthropologist Dr. Bernard Campbell and nine distinguished associates will return to Iran this summer to explore an area in the northwest, long known for its wealth of fossil vertebrates of late Miocene age (10 to 8 million years). Though known for a century, this area has never been systematically explored and this time range is now considered to be critical for understanding human origins and man-ape relationships.

The preliminary survey expedition, funded with \$12,000 by the Leakey Foundation in the summer of 1974, has already identified 15 rich fossiliferous sites and enlisted the participation of the Iranian government which will provide a major share of the field and excavation expenses over the next five years of research. The success of the survey suggests that this is one of the richest tertiary deposits of fossil vertebrates in the world.

Dr. Campbell is presently in need of from \$25,000 to \$28,000 for field study this summer.

'UBEIDIYA, Jordan Valley, Israel

In 1959, the accidental discovery of fossils at 'Ubeidiya in the Jordan Valley, of Pleistocene age, established this area as the oldest known site of human occupation in the middle east. The Leakey Foundation has actively supported the excavations since 1970, along with the Israel Academy of Science and Humanities, the American Philosophical Society and the Wenner-Gren Foundation.

The research is presently in need of emergency aid. The Israel Academy was unable to continue their aid as of March 31, 1975. The decision is mainly due to lack of funds normally obtained from the Israeli government. A minimum of \$3800 is needed now to cover field transportation, student salaries, lab and computer work.



Bernard Campbell at Lake Rezaieyeh expedition in Iran last fall.



Dr. Louis Leakey (1) with Israeli archaeologists at 'Ubeidiya in 1967.



Shirley Strum is particularly concerned with predatory behavior of baboons in her studies at Gilgil.

AN OPEN LETTER TO FRIENDS OF THE FOUNDATION

ROBERT M. BECK CHALLENGE PLEDGE

When Trustee Robert M. Beck, retired industrialist and philanthropist, announced his intention of making a \$1 million challenge gift to the Foundation in October, 1970, he said:

"The Leakey Foundation is diligently seeking to identify the most promising international research involving man's past, present and future, and, with the guidance of the Science and Grants Committee select those projects most worthy of financial support.

"I hope that my gift will encourage other individuals to make substantial contributions available for the intelligent and imaginative use of the scientific community."

Dear Friends of the Leakey Foundation:

Trustee Robert M. Beck's \$1 million challenge pledge expires on September 30 of this year. Since July 1, 1970, \$753,234 has already been pledged or paid but \$246,766 still urgently needed to achieve our goal before the deadline.

Bob Beck has agreed to match gifts to the Foundation by his own equal contribution to the Endowment Fund. He has further agreed that he will honor payments on pledges through 1976 and 1977.

This means that new pledges received before September 30, 1975, can still qualify for matching funds if payments are made over the next two years — *up until September 30, 1977.*

I urge all of our friends to help us in this critical effort to increase the Endowment Fund by renewing or increasing your gifts. Every penny of your tax-deductible contribution dollars will directly assist the research programs and multiply the Endowment Fund.

While you may designate your gift in support of a specific research project, you may also stipulate that your gift support the Louis Leakey Memorial Scholarship Fund which provides study grants, field training fellowships, and symposia scholarships to qualified students throughout the world. Some projects urgently in need of funding are described in this newsletter (page 6).

For those of our friends who are interested in continuing their membership at current or increased levels over the next two years, a *letter* to that effect directed to the Foundation's office would qualify your pledged membership payments to be matched by Trustee Beck.

With your assistance I believe we can reach our goal of \$246,766 before September 30. I have recently made a new pledge to the Foundation and I invite you to join with us by making *your* new pledge today! Your continuing involvement will be warmly appreciated.

Cordially,

George D. Jagels,
Vice President

HOW YOU CAN BECOME A MEMBER OF THE LEAKEY FOUNDATION

A SPECIAL MEMBERSHIP OFFER

FOR A LIMITED TIME, THROUGH SEPTEMBER 30, 1975, new and renewing members will receive complimentary copies of the following:

\$25 FRIEND *In the Shadow of Man*, Jane Goodall. (paperback)
OR
Territorial Imperative, Robert Ardrey. (paperback)

\$100 CONTRIBUTOR *The Missing Link*, Vol. 2, "The Emergence of Man" series, Time-Life. (hardcover)
OR
"Women-Primitive and Modern," Margaret Mead. (cassette).

\$250 ASSOCIATE *By the Evidence*, Louis Leakey. (hardcover)
OR
Leakey's Luck, Sonia Cole. (hardcover)

\$1,000 FELLOW In addition to a unique encapsulated replica of a jaw of *Kenyapithecus africanus*, FELLOWS may select two copies of any of the books/cassettes listed above.

\$5,000 BENEFACTOR In addition to a unique replica of the Olduvai Articulated Foot, BENEFACTORS may select four copies of any of the books/cassettes listed above.

Membership in the Leakey Foundation brings many benefits. You will receive:

- A year's subscription to the *L.S.B. Leakey Foundation News* quarterly covering our activities nation-wide as well as internationally.
- Invitations to lectures, conferences, symposia and special events with distinguished scientists from around the world.
- Discounts on significant scientific books, special transcripts, field reports, cassette tapes, and dialogues of work-in-progress.
- Travel benefits: charter trips and safari excursions at special discount rates.
- An opportunity to meet scientists in an intimate atmosphere with friends who share the same interests.
- A chance to keep up with the latest ideas and trends of utmost importance to man and his origin in the fields of archeology, anthropology and conservation.

BEST OF ALL, your contribution will directly support the work of individuals and international research teams around the world in their quest to better man's knowledge about himself, his behavior and his environmental future.

MEMBERSHIP COUPON

I would like to become a member of the Leakey Foundation in the following category:

- \$10 STUDENT
- \$25 FRIEND
- \$100 CONTRIBUTOR
- \$250 ASSOCIATE
- \$1,000 FELLOW
- \$5,000 BENEFACTOR

I would like to receive the following complimentary book/cassette offered to my membership category:

If this is a renewal membership please check here:

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

My check for _____ payable to the Leakey Foundation is enclosed. Contributions to the Foundation are tax-deductible as provided by law.

WON'T YOU JOIN US ?

Did you Know?

Did you know that in the course of the past few million years, the earth's magnetic field has reversed itself at least sixteen times (North Pole became South Pole magnetically and vice versa). The causes of these flip flops remain uncertain — again developments in the fluid core are thought to be responsible.

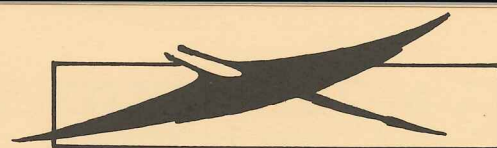
The Department of Interior has announced that it is putting 41 of the 700

kinds of butterflies in the United States on its list of endangered species. These insects thus join in status with the blue whale, the gorilla, the grizzly bear and the whooping crane.

The listing, when finally approved after review, means that capture of the butterflies will be restricted. The purpose is to protect them from interstate shipment, commercial sale and mass collecting. Other insects are to be listed later.

Dr. Paul A. Opler of the Federal Office of Endangered Species says destruction of habitat by the spread of cities and suburbs is the main reason for the loss of butterflies.

The largest known creature ever to have flown, an extinct winged reptile with an estimated wingspan of 51 feet — has been discovered by fossil hunters in Texas, reports science writer Boyce Rensberger in the *New York Times*.



The animal, which lived something more than 60 million years ago, had twice the wingspan of the biggest previously known pterodactyl, or winged reptile, and nearly six times the wingspan of the condor, the largest flying bird now alive.

The estimated size of the creature is derived from calculations based on the sizes of many fragmentary and some complete bones found in excavations during the last three years in Big Bend National Park in Brewster County, Tex.

The discovery is expected to rekindle a 50-year debate among paleontologists over whether flying reptiles really used their featherless, leathery wings like birds or merely climbed up onto high perches and leaped into the air current soaring like gliders, says Mr. Rensberger.

AMERICAN CHEMICAL SOCIETY HONORS J. D. ROBERTS

Dr. John D. Roberts, Institute Professor of Chemistry at Caltech and a fellow of the L.S.B. Leakey Foundation, was honored as the recipient of the Richard C. Tolman Medal of the American Chemical Society's southern California section.

Dr. Roberts is being recognized for his work in organic chemistry and especially with nuclear magnetic resonance (NMR) a penetrating technique for elucidating the structure of molecules in solution. Currently there is much interest in investigating biologically important molecules with NMR.

PLANS FOR FALL CALTECH LECTURES UNDERWAY

Drs. Mary D. Leakey, Jane Goodall and George Schaller are scheduled to appear as part of the 1975-76 lecture series presented by the California Institute of Technology Faculty Committee on Programs in cooperation with the L.S.B. Leakey Foundation.


Two other scientists (to be announced) will complete the series roster which will begin in October and continue into the spring of 1976.

SCHOPF WINS SPECIAL AWARD

Dr. J. William Schopf, UCLA Professor of Geology and Geophysics, has won the 1974 Charles Schuchert Award of the Paleontological Society in recognition of his research on geologic aspects of the origin of life.

Dr. Schopf is the second recipient of the award which is presented annually for distinguished research by a paleontologist under the age of 40.

the L.S.B. leakey
foundation



Foundation Center 216-76, Pasadena, Ca. 91125

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