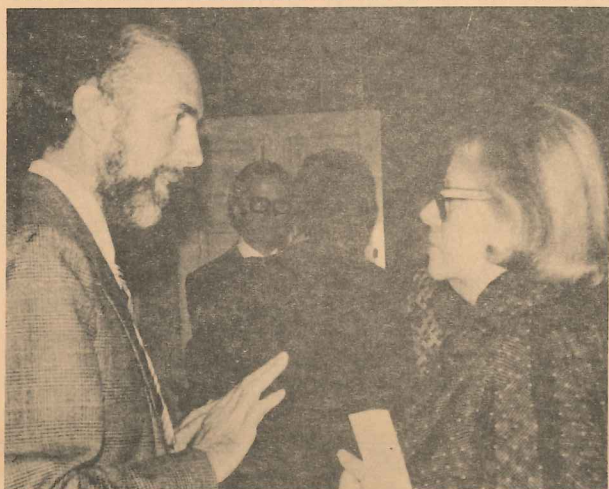




NUMBER 9

FALL/WINTER 1977



Dr. Bernard Campbell and Miss Fleur Cowles organized and directed the annual meeting and conference in London. Special supplements covering the London conference and the Pan African Congress will be forthcoming to Foundation members.

## Trustees meet in London

In September, trustees, fellows and members of the Science and Grants Committee journeyed from many parts of the globe to London for the annual meeting of the L.S.B. Leakey Foundation. The plenary sessions of the Board of Trustees and of the Science and Grants Committee were conducted at the historic and stately Ditchley Park in Oxfordshire and the graceful Albany apartment of Trustee Fleur Cowles in London.

Following the committee meetings at Ditchley was a special conference at the Coram Foundation in London. Scientists participating in the day-long event were Bernard Campbell, Glyn E. Daniel, Robert Hinde, F. Clark Howell, Paul E. MacLean, Phillip Tobias and Irvén DeVore. The Leakey Foundation chose this opportunity to announce the funding of one and one-half Studentships for graduate research for study in Primate Behavior and Evolution, Prehistoric Archaeology and in human and cultural adaptations. The Studentships are open to anyone in the world and are to be administered by St. John's College, Cambridge, which was Louis Leakey's old college.

The conference also marked the inaugural meeting of the London-based European Chapter of the Leakey Foundation. Miss Fleur Cowles was recognized as president and Bernard Campbell as chairman. The conference ended with a special dinner at the Coram bringing together, many for the first time, followers and loyal supporters of the Foundation's activities.

## Baldwin Memorial Fellowships

Dr. Edwin S. Munger, president of the board of the L.S.B. Leakey Foundation, announced at the Foundation's meeting in London that a new gift of \$500,000 has been received by the Foundation.

This generous contribution is given in honor of Franklin Mosher Baldwin by Elisabeth, his wife of 31 years.

Mr. Baldwin was born in 1894 in North Tonawanda, N.Y., and attended Hamilton College. During World War I he enlisted in the U.S. Navy as a seaman second class. He came out of the service as a lieutenant commanding an American submarine chaser.

Mr. Baldwin took his law degree at Columbia University and was associated with the Los Angeles law firm of Gibson, Dunn and Crutcher. He died in Pasadena in 1962.

The new gift will fund the Franklin Mosher Baldwin Memorial Fellowships for the Study of Early Man in Africa and permit the Leakey Foundation to offer three or more fellowships each year which will bring African archaeologists to the United States for graduate training and enable American specialists to undertake research on African sites in cooperation with African scientists.

"Mr. Baldwin took a lively interest in the search for man's past," Dr. Munger commented. "This magnificent memorial gift will endow fellowships which may be expected to broaden the understanding of our early origins and development."

Scientists who serve on the Leakey Foundation Grants Committee, and who will review and approve candidates each season for the Franklin Mosher Baldwin Memorial Fellowships, hailed the gift as a dynamic educational stimulus to the whole field of early man in Africa.

## the L.S.B. leakey foundation

The L.S.B. Leakey Foundation was established in 1968 by a group of eminent scientists and informed laymen who recognized a critical need to strengthen financial support for new multi-disciplined research into man's origins, his evolving nature and his environmental future. It was named in honor of the man who had become known as "the Darwin of pre-history", Dr. Louis S.B. Leakey.

The Foundation sponsors:

- International research programs related to the biological and cultural development of mankind.
- Long-term primate research projects which may help us to understand how we evolved as a species.
- The training and education of students in these fields.
- Conferences, publication of scientific papers, and educational programs designed to disseminate knowledge relevant to man's changing view of his place in nature.

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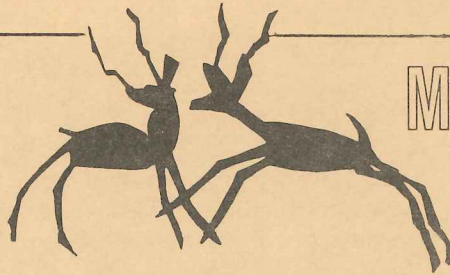
The L.S.B. Leakey Foundation is a public foundation. All contributions are tax-deductible as provided by law.

## the L.S.B. leakey foundation news

Editor: Janice Seaman

Research: Joan Travis

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## MEMO FROM THE PRESIDENT

ELISABETH BALDWIN O'CONNOR

1898-1977

The donor of the Franklin Mosher Baldwin Fellowships for American and African archaeologists was as modest as she was perspicacious.

Betty O'Connor, as she was known after Gary Baldwin's death and her remarriage, was a gracious lady with a host of friends in Pasadena and in Pebble Beach.

In discussing with Betty the most fitting way of honoring her late husband, we soon settled on the idea that it should reflect his interest in the study of early man, and his belief in the value of education.

She immediately took up my suggestion that archaeology needed stronger indigenous roots in the new nations of Africa. She saw that understandably the new leaders had to measure the study of early man against the pressing needs for education, health, agriculture and transport. This left a gap. It is our hope that through this new Fellowship program archaeology's contemporary roots will be in keeping with Africa's role as the home of man.

The more of a woman is a shining spirit, the less of her stops at the grave. Betty's spirit will shine in memory of Gary Baldwin.

*Ned Munger*

## Sweet Briar series announced

Through the generous support of the Ewald Scholar's Fund and the enthusiastic efforts of the Department of Anthropology and Sociology, Sweet Briar College, Dr. Donald Johanson will present an intensive series of lectures to Sweet Briar students during January. He will be followed by Dr. Jane Goodall and the Hon. Derek Bryceson, M.P., who will be in residence to present lectures and seminars each spring for the next four years.

## Graduate fellowship

In honor of the visit to Los Angeles of the president of Tanzania, Mwalimu Julius Nyerere, the L.S.B. Leakey Foundation has established a graduate Fellowship in archaeology for a Tanzanian student. The scholarship will increase the long list of Leakey Foundation awards to Tanzanian-based research programs, which total \$124,085 over the past three years.

## New fellowships

The first Franklin Mosher Baldwin Fellowships for Africans and Americans in the field of African Archaeology will be awarded about May 1, 1978, and tenable in the year beginning Sept. 1, 1978.

It is anticipated that the maximum grant will be for \$8,000 and none will be for more than one year. Senior and post-doctoral researchers are eligible to apply for travel and research grants to visit Africa or America.

Probably two awards of about \$4,000 each will be made to American or African graduate students resident in an American university for field research in Africa to complete their doctorates.

Initially the mix of awards is experimental, but it is anticipated that in the first year some \$24,000 will be awarded for fellowships.

Application forms will be available from the Leakey Foundation office. Applications must have been received by March 1, 1978, to be eligible for an award in 1978.

# Symposium

U. C.-San Diego, Extension, the San Diego Museum of Natural History, the San Diego Museum of Man, the San Diego Zoological Society in cooperation with the L. S. B. Leakey Foundation will present a symposium, THE ROOTS OF HUMANITY, Saturday, March 4, from 9 a.m. to 5 p.m. at the Town and Country Convention Hall, San Diego, Calif. Fee: \$35 (full-time students, \$25).

The day-long series of lectures on the nature of the human organism, its long evolutionary development and the ways in which new world conditions impact upon it will feature five noted scientists:

- I. Dr. Bernard Campbell, adjunct professor of anthropology, U.C.-L.A. and author of *Human Evolution* and *Humankind Emerging*. "ECOLOGICAL, BIOLOGICAL AND BEHAVIORAL PERSPECTIVES ON THE FAMILY OF MAN."
- II. Dr. Shirley Strum, assistant professor of anthropology at U.C.S.D. "PRIMATE ADAPTATIONS TO ENVIRONMENTAL CHANGE."
- III. David A. Hamburg, M.D., president of the Institute of Medicine of the National Academy of Sciences. "ANCIENT MAN IN THE TWENTIETH CENTURY."
- IV. Dr. Mary D. Leakey, wife and co-worker of the late L. S. B. Leakey, leading authority on stone tools and the history of the Olduvai Gorge, Tanzania. "NEW DISCOVERIES AT LAETOLIL AND OLDUVAI GORGE."
- V. Dr. Carl Sagan, director for planetary studies and David Duncan professor of astronomy and space sciences at Cornell University, and author of *The Dragons of Eden*. "WHERE DOES MANKIND GO FROM HERE?"

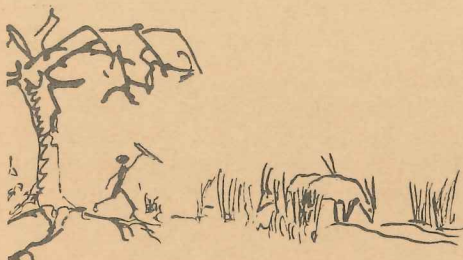
An exciting spectrum of lectures has already begun. Ole Saitoti, Gerald Durrell, F. Clark Howell and Peter Matthiessen launched the new series to enthusiastic audiences. Their subjects ranged from Saitoti's Serengeti and Durrell's most durable ark to Clark Howell's clues to our origins and Matthiessen's mysteriously elusive snow leopard. The 1978 calendar promises a full season.

# CALENDAR

January 1-31	Don Johanson in residence	Sweet Briar College, Va.
January 17	Brian Fagan "DISCOVERY OF THE TOMB OF TUT-ANKH-AMUN"	California Institute of Technology, Pasadena
January 30	Brian Fagan "DISCOVERY OF THE TOMB OF TUT-ANKH-AMUN"	California State College, San Bernardino
February 1	Brian Fagan "DISCOVERY OF THE TOMB OF TUT-ANKH-AMUN"	University of California, Irvine
February 2	Brian Fagan "RAPE OF THE NILE"	University of California, Los Angeles
February 3	Brian Fagan "DISCOVERY OF THE TOMB OF TUT-ANKH-AMUN"	San Diego Museum of Natural History, San Diego, Calif.
February 7	Bernard Campbell (lecture title to be announced)	University of California, Los Angeles
February 8	Bernard Campbell "EVOLUTION OF INTELLIGENCE AND LANGUAGE"	University of California, Irvine
February 15	Brian Fagan "DISCOVERY OF THE TOMB OF TUT-ANKH-AMUN"	Claremont Men's College, Claremont, Calif.
February 27	Mary D. Leakey (lecture title to be announced)	University of North Carolina, Greensboro
March 4	Five international authorities in an all-day symposium, "ROOTS OF HUMANITY"	Town and Country Convention Hall, San Diego, Calif.
March 7	Mary D. Leakey "DISCOVERIES IN THE SEARCH FOR EARLY MAN AT OLDUVAI GORGE AND LAETOLIL"	California Institute of Technology, Pasadena
March 10	Mary D. Leakey "DISCOVERIES IN THE SEARCH FOR EARLY MAN AT OLDUVAI GORGE AND LAETOLIL"	University of California, Santa Barbara
March 12	Mary D. Leakey "THE HISTORY AND MEANING OF THE DISCOVERIES AT OLDUVAI GORGE AND LAETOLIL"	University of California, Los Angeles
April 4	Robert Ardrey "POET OUT OF PREDATOR"	California Institute of Technology, Pasadena
April 6	Robert Ardrey "POET OUT OF PREDATOR"	University of California, Santa Barbara
April 10	Biruté Galdikas-Brindamour "ORANGUTANS: INDONESIA'S 'PEOPLE OF THE FOREST'"	University of California, Berkeley
April 11	Biruté Galdikas-Brindamour "ORANGUTANS: INDONESIA'S 'PEOPLE OF THE FOREST'"	University of California, Los Angeles
April 20-21	Jane Goodall and Derek Bryceson; two days in residence—separate lectures.	Sweet Briar College, Va.
April 24	Jane Goodall (lecture title to be announced)	Washington Zoological Park, Portland, Ore.
April 25	Jane Goodall "THE ROLE OF THE MALE IN CHIMP SOCIETY"	University of California, Berkeley
April 26	Jane Goodall (lecture title to be announced)	University of California, Davis
April 29	Jane Goodall (lecture title to be announced)	San Diego Zoological Society, San Diego
May 1	Jane Goodall (lecture title to be announced)	Harvey Mudd College, Claremont, Calif.
May 2	Jane Goodall "SOME ASPECTS OF CHIMPANZEE INTELLIGENCE"	California Institute of Technology, Pasadena
May 4	Jane Goodall "THE CHIMPANZEE: PORTRAIT OF THE BEST-KNOWN APE"	Art Institute of Chicago, Chicago, Ill.
May 5	Don Johanson (lecture title to be announced)	Cal Lutheran College, Thousand Oaks, Calif.

# Grant SPOTLIGHT

The grant program of the Leakey Foundation, under the guidance of 19 eminent scientists who make up the Foundation's science and grants committee, depends largely upon public support for its success. Membership in the Foundation and all special contributions directly assist vital international research into man's origins, his behavior and his survival. Won't you help? Send your contribution today!



## MR. LARS C. SMITH

*"Resource Survey of the Hadza Hunter-Gatherers"*

Amount Funded: \$3,177

As a part of his predoctoral research in the Department of Anthropology at Harvard University, Mr. Smith has conducted field studies for the past two and one half years on the Hadza of northern Tanzania. These click-speaking people represent the only community in East Africa still living from hunting and gathering. Mr. Smith will expand his study to documentations of the Hadza's ecosystem. Utilizing aerial surveys of vegetation and animals during one dry season and one wet season, supplemented by ground surveys of human population, the project will provide data necessary to explain how the human population and its economic activities are related to the carrying capacity of the environment.

The research is expected to provide additional information of palaeontological, archaeological, and ecological interest inasmuch as the Hadza are the only hunter-gatherers living in a savannah environment rich in wildlife. Such an environment played a crucial role in human evolution.

## MR. VIKUOSA O. NIENU

*"Prehistoric Archaeology of Nagaland"*

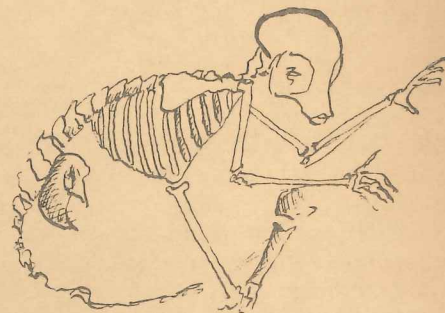
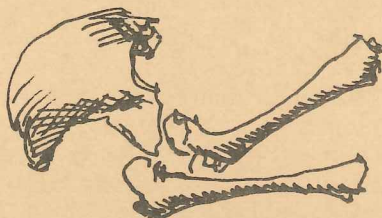
Amount Funded: \$3,850

Mr. Nienu, a native of Nagaland (NE India), was raised and received his early education there. He acquired intensive professional training from the School of Archaeology in New Delhi and is currently a predoctoral candidate in anthropology at the University of California-Berkeley.

Mr. Nienu's thesis topic and grant proposal involve the archaeological research of the remote and little-known region of Nagaland. Systematic and controlled survey and excavation of selected sites will form the major task of this project. It is designed to meet the following objectives: (1) to make a first approximation of the archaeological sequence in Nagaland, (2) to determine the history of interaction between South and Southeast Asia and China through prehistoric times, and (3) to determine the boundaries of the nuclear area for the origin of agriculture in Southeast Asia.

In addition, the following factors will be considered: culture change, settlement patterns and related socio-cultural adjustments, ecological adaptation, and land-use patterns. The initial phase of this valuable research project is aimed at defining a local/regional cultural sequence. Nagaland will be divided into zones and a valley with adjoining high ground will be chosen to represent a topographic/geographic slice of the country for the survey. In addition to the general cursory study, an intensive search along selected representative transect strips will be carried out.

Subsequent phases of the research project will include ethnographic studies in Nagaland, a review of the earlier Asian collections (including Nagaland) presently housed in American and British museums, and the final analysis of the findings for publication.



## DR. ERIC DELSON

*"Chronology of African Early Hominid Localities Based on Fossil Monkeys"*

Amount Funded: \$2,000

Associate professor of anthropology at Lehman College, the City University of New York, Dr. Eric Delson has embarked on a five-year project designed to explicate the chronology of early hominid African localities based on fossil monkeys. African Plio-Pleistocene fossil hominids comprise the factual evidence for our current reconstruction of the earlier stages of human evolution.

A major current problem in interpreting the abundant material is the lack of an accurate framework of relative chronology across the African continent. Old World monkeys of the family Cercopithecidae are among the most abundant fossils found alongside hominids in most African sites. Thus, this long-term project aimed at establishing a biochronological framework independent of chronometric dates will result not only in a better understanding of evolutionary patterns of African monkeys, but also in a more secure basis for determining the likelihood of several contemporaneous but geographically isolated hominid species.

The main purpose of the grant will be to support preparation, cleaning, reconstruction, and illustrations of fossils to be studied and published. The most important and complex fossils will be molded so that casts can be made for comparison, exchange and study. In addition, a computer consultant will assist with the interpretation of measurements taken on specimens abroad and in New York. Dr. Delson has also received support from the CUNY and Wenner-Gren Foundations as well as use of laboratory facili-

ties at the American Museum of Natural History.

MR. TUMUSHABE (Gershom Byaba-taahi Tiziita)

"A Comparison of the Ecology of Two Monkey Species in a Tropical Rain Forest: Blue Monkeys and Grey Cheeked Mangabeys."

Amount Funded: \$800

Mr. Tumushabe was born and educated in Uganda. He was graduated from Makerere University last March. He is a field biologist and ardent conservationist and has been undergoing training in the Kibale Forest during his university holidays. His proposed study is an important one both theoretically and pragmatically.

The object of this project is to compare the ecology of the blue monkey (*Cercopithecus mitis stuhlmanni*) and the grey cheeked mangabey (*Cercocebus albigena johnstoni*) at the Ngogo study area in Uganda. This is to be achieved through the analysis of ranging patterns, feeding activity and time budgets of two selected social groups. The study will provide valuable long-term data on a mangabey group which has been under continuous observation since 1975. Since primates are such long-lived mammals, long-term studies are essential to understanding the dynamics of social structure and behavior. Despite the fact that the arboreal primates are ecologically the most important mammals in many African forests, little has been known of their ranging and feeding habits until recently. At this time, particularly, when conservation of tropical rain forests (the richest terrestrial ecosystems) is being advocated, it is important to know the ecological requirements of the animal species resident in these habitats. The selected study area of Ngogo in the Kibale Forest Reserve is considered ideal for several reasons; changes in elevation, availability of a well-constructed trail system, an habituated mangabey social group and a relatively tame blue monkey group.

In addition to the comparative studies, Mr. Tumushabe will seek to test the hypothesis that "high mangabey density reduces blue monkey density."

MR. FREDERICK E. GRINE

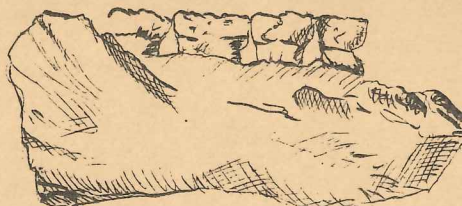
"Deciduous Dentition in Fossil Hominids"

Amount Funded: \$1,150

Mr. Grine is an American predoctoral candidate at the University of the Witwatersrand, Johannesburg, South Africa, as well as a junior lecturer in anatomy at the university. He is the first person to address himself to a serious and major study of the deciduous teeth of early hominids, against a backdrop of wide-ranging and detailed study of the variability of the milk-teeth in living man.

This examination of a large series of modern human deciduous dentitions will be undertaken by investigating the morphology and metrical features in an attempt to ascertain the degree of variability encountered in a single, widely dispersed species. The dentition of Plio-Pleistocene hominids, as well as those assigned to *Homo erectus* and *Homo sapiens*, are to be examined. The deciduous dentition possesses a number of features which are believed to be significant in terms of discerning evolutionary trends and taxonomic distinctions.

Mr. Grine seeks to study collections available in museums and universities.



## Foundation Welcomes New Fellows

The Leakey Foundation is pleased to welcome the following new Fellows: Mrs. Sarah Hudson Krueger, Bridport, Vt.; Abbey Grunewald, Tucson, Ariz.; Warren F. Jones, Van Nuys, Calif.; Mrs. George M. Seignious, II, Charleston, S.C., Elizabeth Anderson and Eleanor Ford.

## NEW BOOKS

ANIMALS AND MEN by Kenneth Clark (Thames and Hudson Ltd., London). This glowing account of western man's artistic concept of the animal world was written at the urging of Miss Fleur Cowles, Leakey Foundation trustee. The World Wildlife Fund benefits from the sale of this book.

ORIGINS by Richard E. Leakey and Roger Lewin (Dutton, New York). The stimulating text of this handsome history of man's evolution is richly complemented with photos, drawings and maps. Many of the scientists mentioned in this book have participated in the Foundation's symposia and lecture series.

THE CULT OF THE WILD by Boyce Rensberger (Anchor Press/Doubleday, New York). This book, based on the latest research, shatters many myths about wildlife. The author and many of the scientists he quotes are Leakey Foundation grantees.

## Scientists may be Endangered Species

At the western regional conference of the Association for Humanistic Psychology, Buckminster Fuller expressed his continuing concern about fragmented science. The American Association for the Advancement of Science, as he pointed out, was designed to foster interdisciplinary study but instead allows its annual programs to converge on narrow subject areas.

"Not long ago they met in Philadelphia, where the biologists gathered to discuss the reasons for the extinction of species and the anthropologists met in another hotel to discuss the reasons for the extinction of tribes.

"Both groups concluded that the primary cause was over-specialization!"

The Trustees wish to express their gratitude to former editor Ruth Fox, whose creative and professional skills guided the initial issues and early development of this newsletter.

## "TILLMIAP" HOSTS PAN-AFRICAN CONGRESS



Prof. Phillip Tobias and statue of Louis Leakey (created by Charles Bwire of Kenya). The Leakey Foundation contributed \$100,000 to The International Louis Leakey Memorial Institute of African Prehistory.

The day before the Pan-African Congress convened in Nairobi an important event took place. The International Louis Leakey Memorial Institute of African Prehistory -TILLMIAP was opened with traditional dancing and drumming to mark the occasion. Dr. Mary Leakey unveiled a statue of her late husband. The first official role of TILLMIAP was to host the VIIIth Pan-African Congress.

Attending the Congress as representatives of the L.S.B. Leakey Foundation were Dr. Richard Musangi, Prof. Phillip Tobias and Dr. Don Johanson. The September event drew scientists from 15 African countries and 16 non-African countries.

There were more African participants this time than in any one of the previous Congresses. Apart from the formal sessions and informal discussions, the delegates had the opportunity of seeing some of the famous archaeological sites in East Africa.

In addition to the presentation of scientific papers, a new constitution was adopted which brought into being the Pan-African Association for Prehistory and Related Studies.

The September meeting elected Prof. B. A. Ogot of Kenya as chairman/president, Prof. R. B. Nunoo of Ghana and Dr. B. Abebe of Ethiopia as vice presidents, and Richard Leakey as executive secretary. The organizing secretary is Dr. John Onyango-Abuje of Kenya. Five additional members were elected to the permanent council: Dr. Desmond Clark, Dr. Y. Coppens, Dr. Ekpo Eyo, Miss Emily Maluma and Prof. Phillip Tobias.

The next congress will be held in Nigeria in 1981.

The congress drew participants from 15 African countries and 16 other nations. Attending as representatives of the Leakey Foundation were Dr. R. Musangi, Dr. D. Johanson and Prof. Tobias.

## LEAKEY LEGEND ON FILM

On Jan. 9, PBS television audiences will have the opportunity to view "The Legacy of L. S. B. Leakey," one of four new documentaries produced by the National Geographic Society and WQED/Pittsburgh. These productions are made possible by a grant from Gulf Oil Corporation.

The fortunate few, who were privileged to know Louis Leakey personally, have provided valuable resource materials for this film. It is gratifying and exciting to see the Leakey magic rekindled for thousands of people, some too young or too remote to have known the thrill of discovery as he experienced it and so warmly shared it with the world.

Leakey Foundation Fellows were invited to attend special previews of this film. On Nov. 6 in Los Angeles, through the generosity of Mr. and Mrs. Frederick Larkin, the facilities of Security Pacific Bank's world headquarters were made available for the viewing which was arranged by co-chairpersons Mmes. J. C. Schwarzenbach and Samuel Bowlby. On Nov. 9, the Gordon Gettys hosted a dinner before the showing in their San Francisco home.

## ART OF NIGERIA

Dr. Ekpo Eyo of Nigeria, a Leakey Foundation Trustee, has compiled a stunning volume entitled "Two Thousand Years of Nigerian Art." It is unique in that the author is not an art critic but an anthropologist and an archaeologist.

This is one of the first books on the subject of African art by an indigenous author. Some critics classify African art as primitive because it is associated with the religious concepts and cultural facets of life; however, the importance of African sculpture lies in its ability to express the problems of birth, survival and death.

Dr. Eyo guides us through the majestic and powerful terracotta and bronze sculptures still vibrant with meaning.

## A letter from the chairman

Dear Friend:

What difference does it make to us when or how **Ramapithecus** or **Australopithecus africanus** lived? Are we 20th century humans really different from these remote ancestors who preceded us?

In speculating about these questions I'm tempted to use Louis Leakey's own words about his life work:

The poverty of imagination is the greatest poverty. I would regard it as a waste of my time to study the past if, in so doing, I could not help guide the future.



We are one of the very few public foundations in the world whose vowed aim is the support of anthropological studies. Since 1968, we have disbursed over \$1.25 million in grant support. Thanks to you, our members and donors, we shall continue to sustain these specialized research programs which:

- Provide seed money for new scientific research ventures.
- Ensure the continuity of vital field projects.
- Support students through critical periods of graduate research.

I invite you to renew your membership in the Leakey Foundation today! Every penny of your tax-deductible membership dollars **directly** assists the research efforts. Let us all join together in this magnificent quest.

Cordially,

George D. Jagels  
Chairman of the Board of Trustees

*We invite you to join the search for our past. . .the understanding of our present. . .and the reach to our future.*

### ARE YOU A MEMBER OF THE LEAKEY FOUNDATION?

Your annual membership (\$25 or more) entitles you to the following privileges:

- Invitations to meet with renowned scientists
- A year's subscription to the L.S.B. Leakey Foundation News
- 10% discount on books and cassettes, as well as a free gift book with your membership or renewal
- The pleasure of knowing that every penny of your membership dollar directly supports the grant research programs of the Foundation.

**JOIN NOW . . .**

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- \$1,000 Fellow
- \$5,000 Benefactor

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*Year of the Gorilla*, George Schaller  
*By the Evidence*, Louis Leakey  
*Leakey's Luck*, Sonia Cole  
*The Quest for Man*, ed. Vanne Goodall  
*Hunter and His Art*, J&I Rudner

My check for \$\_\_\_\_\_ payable to the Leakey Foundation is enclosed.

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Pasadena, Calif. 91125



## A future fossil soars into space



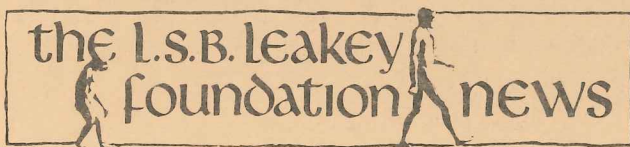
This photo of Jane Goodall, Hugo van Lawick and the Gombe chimpanzees is among the pictures being sent into space along with a special video component.

—Photo by Vanne Goodall

Two Voyager spacecraft, launched late this summer from Cape Canaveral, Fla., carried a unique message from "man" to "anyone out there." Part of the message is in the form of a twelve-inch copper phonograph disc called "Sounds of the Earth." Conceived by Cornell astronomer Carl Sagan, the recording contains greetings in sixty languages, sounds of music and animals, the noise of the surf and a human baby. Also on board is a video component with 115 photographs, including the Taj Mahal, Monument Valley and the National Geographic photo of Jane Goodall, Hugo van Lawick, and the chimpanzees.

The National Aeronautics and Space Administration speculates the earliest that the Voyager record might be played is about 40,000 years from now, when the spacecraft passes within a light year (six trillion miles) of the first star it comes to, but more likely the record will be unheard of for millions or billions of years.

The recording contains a message from President Carter saying in part: "We cast this message into the cosmos. It is likely to survive a billion years into our future, when our civilization is profoundly altered and the surface of the earth may be vastly changed. . . . This is a present from a small distant world, a token of our sounds, our science, our images, our music, our thoughts and our feelings. We are attempting to survive our time so we may live into yours. . . . This record represents our hope and our determination and our goodwill in a vast and awesome universe."



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