Cave explorations reveal secrets of past societies

"Most men, when they think they are thinking, are merely rearranging their prejudices," observed football immortal Knute Rockne.

Rockne's comment could well be applied to the laypersons' jumbled concepts about the native people who inhabited America thousands of years ago. We think of them as vaguely subhuman. In fact, says Patty Jo Watson, WU professor of anthropology, "Could these people breathe air?"

Watson specializes in the artifacts and paleofeces left by aboriginal cave explorers around 2500 B.C. in Jaguar Cave in Tennessee. She has been studying aboriginal activities since 1955 — is spe-

Mining for history

The Archaic period in the eastern woodlands of North America included a tribal society featuring cultivated food, mining, politics, religion, medicine, and paths of trade and communication reaching as far as Michigan and Mexico. The caves were an integral part of this society.

Researchers are fortunate that the environment within parts of Kentucky's Mammoth Cave System — where Watson and her husband, Richard Watson, WU professor of philosophy and author of The Longest Cave, have been studying aboriginal activities since 1955 — is specially suited for preserving artifacts and other specimens.

There's total preservation of ordinarily perishable organic material," explains Watson. "In the dry passages of these big caves, many objects are left just as they were 4,000 years ago."

The first, and most general, problem that Watson wanted to investigate was why these aboriginal people had gone into the caves to begin with. One reason was to find shelter. With a constant temperature of about 58 degrees F., the vestibules, or entrances, provided the tribal groups with ready-made living spaces which were cool in summer and warm in winter. Also, the caves may have been thought to be a means of communication with the underworld home of the spirits and mon-

The two other minerals that Watson believes were mined in Salts Cave are sodium sulfate, a cathartic and salty food seasoning, and Epsom salt.

Watson thinks that the natives used these materials themselves and also as part of an intricate network of trade.

With a staff of 24 and also doing research. He assumed his new position in Wash-

Cardiothoracic surgery head

James L. Cox, former director of the CORE cardiac surgery electrophysiology lab at Duke University, has been named cardiothoracic surgeon-in-chief at Barnes Hospital and head of the division of cardiothoracic surgery at WU's School of Medicine beginning July 1. Cox is the author or co-author of more than 70 articles on cardiothoracic surgery and re-

Rimer heads Library of Congress Asian division

J. Thomas Rimer III, chairman of the Department of Chinese and Japanese since 1973, has been appointed curator of the Asian division at the Library of Congress.

As curator of what Rimer considers "the best collection of Asian books and materials in the world," he will supervise a staff of 24 and also do research. He assumed his new position in Washing-

Since 1974, he has written, edited, translated or collaborated on eight books on Japanese theatre and literature. His most recent book, On the Art of the No Drama, a translation with Yamazaki Masakazu, will be released by Princeton University Press in January, 1984.
Host families needed for foreign students

The WU International Office is looking for 50 families to participate in the Host Family Program for the 1983-1984 academic year. The Host Family Program is designed to acquaint WU international students with Americans and their culture and vice versa. Although host families do not provide living accommodations for international students, the families do invite the students to their homes throughout the year.

"We encourage the host families to include the students in activities like family picnics, trips to the zoo, birthday parties, and holiday celebrations," said Diane Hasty, international student advisor and assistant director of the International Office. "The families expose the students to social and cultural experiences that the students probably would never experience on their own."

About 600 foreign students from 77 countries attend the University yearly, with some 200 new foreign students enrolling each fall. Many of the students have never been to the U.S. and as Hasty said, "They are looking for contact with Americans outside the academic environment on a more personal level."

The program allows the students to share time with a family who can make them less lonesome for their own families. "Families who would like more information on the program can call Diane Hasty at 889-5991 or Jill Hill at 889-5922.

WSWU plant sale

Ferns, palms, hanging baskets, geraniums and a variety of other plants will be sold at the Women's Society of Washington University's seventh annual plant sale from 10 a.m. to 5 p.m. Monday, Aug. 29, in Friedman Lounge, Wolf Center.

Proceeds from the plant sale will help raise funds for a full-tuition scholarship to WU awarded annually to an outstanding student completing two years of study at one of the St. Louis Community College campuses.

Washington University Record (USPS 600-430), ISSN 0741-2165, Volume 8, Number 15, August 4, 1983. Published weekly during the school year, except school holidays; monthly in June, July and August, at the Office of News and Information, campus box 1142, Washington University, Lindell and St. Charles, St. Louis, Mo. 63130. Second-Class Postage paid at St. Louis, Mo. Postmaster please forward change of address to Campus Box 1142, Washington University, St. Louis, Mo. 63130. Subscribers notify appropriate personnel or administration offices of change of address.

Assistant Editor, Susan Kilenberg (Ext. 3295)
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Free hearing tests

Employees of Washington University and of the University's Medical Center may have their hearing tested free beginning Sept. 1 through Hearing Central, a new service of the Central Institute for the Deaf (CID).

The hearing checkups will be confidential, by appointment only, and scheduled for Thursday mornings at the CID Hearing Laboratories, 909 S. Taylor. The test will take about 30 minutes.

The number to call for an appointment is 652-5877. Scheduling of appointments begins Aug. 1. The free test also will be open to adults living in the St. Louis metropolitan area.

"We want to stress that hearing Central will offer a more complete hearing checkup than a typical hearing screening," said Gerald Popelka, head of audiology at CID and a WU associate professor of audiology. Typical hearing tests, he explains, are less precise because they are based on responses to tones, and do not take the client's age into account. If hearing loss is found, a staff audiologist will explain the type and degree of hearing loss and will offer advice on whether aids should be considered.

Popelka recommends that everyone over the age of 40 have a regular hearing checkup every four or five years, and people who are frequently exposed to noise should have their hearing checked once a year.

The free checkups offered by Hearing Central are not for people who have already been diagnosed as having a hearing impairment, Popelka said.

In addition to free hearing checkups, Hearing Central will also offer for free a noise protection information bureau and an advisory service for the hearing impaired.

The noise protection information bureau will provide the measured noise levels of common household appliances, such as washing machines, vacuum cleaners and stereos; tools, such as an electric drill; and machines, such as lawn mowers and motorcycles. Most consultation is by telephone, but portable items may be brought into the clinic for noise measurement. Bureau staff members also will offer advice on ways to protect the ears from everyday noise.

The guidance and referral service will provide special information for people who are deaf or hard of hearing. The service has compiled directories of services and licensed audiologists in the St. Louis area, as well as of devices that assist the hearing impaired.

"Public information about hearing and prevention of deafness were two of the original purposes of Central Institute when it was founded in 1914," said Michael H. Freund, president of CID.

"We established Hearing Central to reemphasize the service using today's modern technology and considering today's problems of increased noise levels and a population that is growing older."

Two School of Medicine students cited for neuroscience research

Two WU School of Medicine students have been named co-recipients of the Sixth Annual James L. O'Leary Prize for Research in Neuroscience.

Stephen C. Masey, Department of Ophthalmology, and Eric Rubin, Department of Physiology and Biophysics, received the prize at the medical school's annual neuroscience symposium in April. The O'Leary Prize recognizes original and important accomplishments in neuroscience research by a pre-doctoral doctoral student at WU. The competition is based on research abstracts.

The prize is named in honor of the late James L. O'Leary, a professor and head of the Department of Neurology from 1928 until his death in 1975.
Donald R. Bernier, WU director of technical education in nuclear medicine and technical supervisor of nuclear medicine at the Mallinckrodt Institute of Radiology, was elected to serve on the board of trustees of the Society of Nuclear Medicine. It is the first time in the 29 year history of the society that a technologist has been elected to serve on the board.

A past president of the society's technology section and former chairman of several technologist section committees, Bernier is associate editor of the Journal of Nuclear Medicine Technology and a founding member of the Nuclear Medicine Certification Board.

Richard V. Bradley, assistant professor of clinical surgery, has been re-elected by the School of Medicine's part-time faculty to serve as a member of the Executive Faculty at the school. A 1952 graduate of WU's School of Medicine, he joined the academic staff in 1968 as an instructor in surgery and became an assistant professor in 1974. He has since served as president of the Barnes Hospital Society, the St. Louis Medical Society, and the Missouri State Medical Association.

Richard P. Burge, professor of anatomy and neurobiology and Beaumont-May Institute of Neurology Scholar in Anatomy, delivered the Gordon H. Scott Memorial Lecture at Wayne State University, Detroit, Mich., in late May. Burge spoke on "Control of Proliferation and Function in Myelin Forming Cells."

Jan Burgrabe, coordinator of health programs for University College, spoke on "The ABCs of EAP" at the July 7 meeting of the Board of Trustees of the Association of Labor-Management Administrators and Consultants on Alcoholism, Inc. (ALMACA), in Birmingham, discussing emerging trends in the field of Employee Assistance Programs (EAP). She reminded the members of the need for continuing professional education in addition to adequate preparation for new practitioners.

Susan Crawford, director of the WU School of Medicine library and professor of biomedical communication, was elected by the Medical Library Association to give the Janet Doe Lecture at their annual meeting in Houston, Texas, on May 11. The lecture represents one of the highest honors bestowed by the association. Crawford spoke on "The Origin and Development of a Concept: The Information Society."

Richard DeCharmes, professor of education and psychology, organized a panel of four scholars, including himself, who spoke on "The Changing Images of Persons in Psychology: Political Implications" at the annual meetings of The International Society of Political Psychology at Oxford University, England, in July. Three other scholars are John Shutter, professor of psychology at the University of Nottingham, England; John Raven, Scottish Council for Research in Education, Edinburgh; and Peter Osorio, professor of psychology, University of Colorado. DeCharmes's paper is titled "The Paradigm of Personal Caution."

Christopher R. Drahozal, Crick Distinguished Research Professor of Chemistry at the University of Rochester, was elected to serve on the board of trustees of the American Association for the Advancement of Science. Drahozal graduated in May from the College of Arts and Sciences and is currently enrolled at the University of Iowa School of Law.

Four George Warren Brown School of Social Work faculty members participated in the 51st annual forum of the National Conference on Social Welfare May 22-25, in Houston, Texas. The forum was titled, "Mobilizing Society to Meet New Realities."

Ronald A. Feldman, director of the school's Center for Adolescent Mental Health, presented a workshop on "Improving and Applying Knowledge for Mental Health Practice with Adolescents," which he co-authored with Arlene R. Stillman, the center's co-director. Assistant Dean Helen V. Graber spoke on "Creating the New Age Settlement" during an author's forum. Professor Martha N. Ozawa delivered her paper, "Toward Developing a System of Income Maintenance," as a general session of the forum, and assistant professor Michael W. Sherraden presented his paper, "Employment Policy and Labor Market Reality," during an author's forum.

Samuel E. Guyer, professor of fixed prosthodontics and chair of the Department of Fixed Prosthodontics at the School of Dental Medicine, has been reappointed to an additional one-year term as consultant to the American Dental Association Commission on 1983 Accreditation. Consultants are used for accreditation site visits and for subcommittee activities.

Ruth B. Kannegieter, assistant professor of occupational therapy, was appointed to a second three-year term on the roster of research consultants of the American Occupational Therapy Foundation. Kannegieter will consult on behalf of the foundation with staff and clinical therapists on the design and implementation of research projects in occupational therapy.

Kannegieter was recently promoted to colonel, United States Army Reserve. As the chief occupational therapist of the 21st General Hospital in St. Louis, she is responsible for the administration of the section that includes the training of occupational therapy technicians.

Paul R. Manske, research assistant professor of pediatric surgery, has been chosen as chief orthopedic surgeon in the Department of Surgery at WU's School of Medicine. Manske joined the WU medical faculty in 1972 as an instructor in orthopedic surgery. He became assistant professor in 1976, and research assistant professor of pediatric surgery in 1979.

Martha N. Ozawa, professor of social work, was the keynote speaker at the June 4 "Conference on Myths of Pension Security: A Woman's Perspective," in Des Moines, Iowa. She presented a paper titled "Women and Social Security."

David A. Peters, professor and chairman of mechanical engineering, was invited by the Nanjing Aeronautical Institute in China to give a series of 15 three-hour lectures on helicopters and dynamics. Peters presented the talks from June 13 to July 1.

Peter H. Raven, Engelmann Professor of Botany at WU and director of the Missouri Botanical Garden, gave the principal commencement address at Kansas College of Galesburg, Ill., June 4. In his address, titled "Global Ecology: What It Means to the United States," Raven was critical of a report recently published by the American Association for the Advancement of Science on the future of the world's economy, food supply and climate. Raven said the report was "factually preposterous" and that not a single person with biological or ecological qualifications was involved in the panel that prepared the report for the annual meeting of the AAAS in Detroit in May.

Know College awarded Raven an honorary doctor of science degree at commencement.

Raven also gave the principal commencement address at Southern Illinois University at Edwardsville on June 10. He spoke on "Perspectives on St. Louis," and was awarded an honorary doctor of science degree from the university.

Carl M. Rovainen, professor of physiology and biophysics, has been named Fellow of the American Association for the Advancement of Science (AAAS). He was one of 296 individuals elected this year by the AAAS Council for scientifically or socially distinguished efforts in the advancement of science. The association is the leading general scientific organization in the U.S.

Stephen G. Sellers, assistant professor of anthropology, John W. Bennett, professor of anthropology, and William Cole, a recent graduate of anthropology, have been hired by Ralston Purina to evaluate the application of vegetable protein products as dietary supplements and substrates for animal protein. They will examine the degree and causes for adoption of high-protein food in various societies, viewed in terms of principles of social and cultural change in the behavioral sciences. Their final report will be presented at a symposium hosted by Ralston Purina next December.

Sellers currently is in Turnbull, Costa Rica, for one month expanding his research on agricultural relationships between family-owned farms and large-scale farm enterprises. Sellers received a grant from the National Science Foundation and is pursuing this research in collaboration with the tropical Agricultural Center for Research and Teaching in Costa Rica.

Earl Shepard, professor emeritus of orthodontics and a lecturer at WU's School of Dental Medicine, was awarded the Distinguished Service Award of the American Association of Orthodontists. Shepard received the award at the association's annual meeting in Boston in May.

Marc D. Smith, assistant professor of health care administration, and Barry A. Hong, assistant professor of medical psychology and coordinator of in-patient psychiatry at Jewish Hospital, presented the results of their recently completed research, "Living-Related Kidney Donors: A Study of Donor Education, Socioeconomic, Adjuvant, and Rehabilitation," at the Ninth Annual Transplant Symposium of the Midwest Organ Bank in Kansas City, Mo., on May 19. In addition, Smith and Hong conducted a research seminar, titled "Living-Related Kidney Donation: Issues, Strategies, and Policy," at the symposium.

Frederick R. Warren-Boulton, assistant professor of economics, will be on leave-of-absence during the 1984-85 academic year to serve as director of the Economic Policy Office in the Antitrust Division of the U.S. Department of Justice. Warren-Boulton will report to Assistant Attorney General William Baxter and will be responsible for the economic analysis of antitrust and other policies toward competition carried out by the Justice Department.

George I. Zahalak, professor of mechanical engineering, will give the keynote address at the annual meeting of the American Society of Biomechanics. The meeting will be in October at the Mayo Clinic in Rochester, Mich.
Calendar

Wednesday, Aug. 10
8:30 a.m.-9:15 p.m. Genetic Epidemiology of Cor-
onary Heart Disease; Past, Present and Future.
Workshop, Cost: $60 South Euclid Ave.
(9th Thursday and Friday, Aug. 11 and 12)
Sponsored by the National Heart, Lung,
and Blood Institute of Bethesda, Md.; Division of Biostatis-
tics, WU School of Medicine, and the Department of
Medicine and Psychiatry, Jewish Hospital. For more
information, call 454-5577. Admission $45;
$10 for students.

Thursday, Aug. 25
5:30 p.m. University College New Students Orien-
tation. Room 30, January Hall.

Saturday, Aug. 27
Noon. University College Campus Tour. Meet in
Room 30, January Hall.

Exhibitions

“A Selection of 16th-Century Books,” including works
by Gerter, Barthe, Tidimort and Purr.
Through Sept. 9. WU School of Medicine Library
615 S. Taylor Ave. 8:30 a.m.-5 p.m. work-
days.
“Cubists, Surrealists and Expressionists.” Through
Sept. 4. Upper Gallery, Gallery of Art. 10 a.m.-
5 p.m. weekdays; 1-5 p.m. weekends.
“Cubists, Surrealists and Expressionists.” Through
Aug. 21. Lower Gallery, Gallery of Art. 10 a.m.-
5 p.m. weekdays; 1-5 p.m. weekends.
“Old Masters.” Through Aug. 21. Print Gallery,
Gallery of Art. 10 a.m.-5 p.m. weekdays; 1-5 p.m.
weekends.

Music

Sunday, Aug. 14
7:30 p.m. WU Department of Music Jazz En-
semble Concert, directed by Robert Edwards.
WU instructor of music. Works of Duke Ellington,
Count Basie, Sammy Nesson, Horace Silver and
Leser Young. WU Quadrangle. Free.

Calendar Deadline

The deadline to submit items for the Sept.
1-10 calendar of the WU Record is Aug. 18. Items
must be typed and state time, date, place, nature
of event, sponsor and admission cost. Incomplete
items will not be printed. If available, include
speaker name and identification and the title of
the event. Those submitting items, please include
your name and telephone number. Address items
to King McElroy, calendar editor. Box 1142.

GWB Center releases publications

The Center for Adolescent Mental
Health at the George Warren Brown
School of Social Work has released its
first quarterly publications.

The publications, which will be
disseminated to approximately 500
professionals, include the first issue of adul-
temental health abstracts, a working
paper, a practice applications paper, a
program profile, and A "Lipid," the
center’s newsletter.

The center is funded through a grant
from the Administration on Chil-
dren, Youth and Families. Ronald A.
Feldman, professor of social work, is the
center’s director, and Arlene R. Stiffman is co-director.

Four earn Myers engineering scholarships

Four recent high school graduates have been awarded scholarships to WU. The scholarships were established by a $345,000 gift from the late George W. F. Myers, founder and owner of the Myers Engineering and Equipment Com-
pany of St. Louis.

The winners of the scholarships, which are named for Myers and his wife, Martha Russell Myers, are: Lisa M.
Brockmeyer, daughter of Mr. and Mrs.
Bernard J. Brockmeyer of Normandy; Eric J. Bueti, son of Mr. and Mrs.
Joseph E. Bueti of Florissant; Nancy M. Trull, daughter of Mr. and Mrs.
James M. Trull of south St. Louis; and Deborah A.
Braun, daughter of Mr. and Mrs.
Robert O. Braun of Affton.

The scholarship winners were nomi-
nated by their high school principals on
the basis of academic achievement. Some
200 seniors from high schools within a
25-mile radius of WU competed for the
scholarships.

Brockmeyer, a graduate of Nor-
mandy Senior High School, received a
full-tuition scholarship for admission to
the School of Engineering and Applied
Science, and Bueti, a graduate of Mc-
Cluer North High School, received a
full-tuition scholarship for admission to
the College of Arts and Sciences.

Trull, a graduate of Notre Dame
High School, was awarded a half-tuition
scholarship and will enter the School of
Fine Arts, and Braun, a graduate of
Academy of the Visitation, was also
awarded a half-tuition scholarship and
will enter the College of Arts and Sci-
ences. The awards will cover all four
years of undergraduate study.

Grants available for research abroad

The United States Information
Agency and Institute of International
Education is accepting applications for
grants for graduate study or research
abroad in all academic fields and for
professional training in the creative and
performing arts. Approximately 500
awards to 50 countries will be available
for the 1984-85 academic year.

Deadline for applying is Oct. 7,
1983. For more information, contact
Karen Schmitt at the Stix International
House, room 208, or call Ext. 5530.

Eleven high school students from the metropolitan
St. Louis area participated this summer in a re-
search apprenticeship program at the School of
Medicine. The program is sponsored by the Na-
tional Institutes of Health, the Office of Under-
graduate Admissions, and the Office of Minority
Students. Additional funding was provided by the
WU departments of Medicine, Pharmacol-
y, Biochemistry, Microbiology and Anatomy. At
ight, seven guests, at University City High
School, prepare and work for a DNA isolation with
Jan Meder, research technician. Above, Sybille
Gauden, of East St. Louis Lincoln High School,
does a lipoprotein composition assay. The stu-
dents were supervised by School of Medicine
faculty members.

Caves — continued from p. 1

Mexico, and gourds and squash from
Meso-America. "What they did was
probably pretty hardheaded commercial
activity," says Watson.

In old and outdated terminology,
the aborigines who explored Mammouth
Cave were "barbarians" — meaning
that they had risen above the stage of
savagery, and now cultivated food.
But that terminology, with its de-
meaning implications, troubles Watson,
who has adopted a somewhat protective
attitude about the people she has been
studying for almost 30 years. Biological-
ly, she says, we have all been equal since
the appearance of Homo sapiens about
30,000 years ago.

"What happens to a particular hu-
man group over a particular period of
time, she says, "has to do with its his-
tory and with its physical and social en-
vironment."

"These people were smart; they
knew exactly what they were doing. They
were familiar with all aspects of their na-
tural environment in a way that we cer-
tainly are not, because we have a tre-
 mendous artificial buffer around us."

In other words, they made the most of what they had. Can 20th-century
Homo sapiens, in truth, make the same statement?