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Contributions are encouraged from all employees of the Smithsonian Institution.
If you have an item for THE TORCH please give it to the secretary of your department or send it directly to Mrs. Fields in the Personnel Division.

Contributions should be received by the last day of the month.

SECRETARY PRESENTS AWARDS

In ceremonies in the Regents Room on May 7, Secretary Carmichael presented awards to eight members of the staff of International Exchange Service, to seven members of the library staff, and to the assistant buildings manager.

Letters of commendation and a cash award of $10 were presented to Jeremiah A. Collins, chief of the International Exchange Service, and to the following members of that agency: Walter Earich, Mrs. Lena Hill, William Pumphrey, Oswald Robertson, Albert Yetter, Harold Duerden, and Carl Hellyer. Also included were Dan Williams, Bosie Mayfield, and Robert Gaskins, former employees of the IES. These awards were made for special contribution to more effective and economical management of the International Exchange Service, leading to "the use of corrugated cartons instead of wooden boxes for shipment of various types of publications." Secretary Carmichael said that "in addition to the obvious cash savings resulting from the use of this type of container a serious storage problem is also overcome, since it is possible now to store a year's supply of cartons in the space previously required for a 3-month supply of wooden boxes."

Letters of commendation were presented to Ruth M. Blanchard, head librarian, and to the following members of the library staff: Mrs. L. Frances Jones, George H. Goodwin, Olive D. Powell, Mrs. Evelyn Jackson, Coles Taylor, David Ray, and Mrs. Grace Mauney. Also included were Mrs. Leila F. Clark and Mrs. Elizabeth Gazin, who retired last year. The letters commended the individuals for "the exceptionally fine job done in clearing and reorganizing all the publications in the west stacks of the Smithsonian Institution Building during the summer and fall of 1957."

Andrew F. Michaels, assistant buildings manager, received a certificate of award and $100 in cash for his "unique achievement in designing such versatile panels, screens, and lighting fixtures for the 1958 Board of Regents exhibit, that this equipment may be adapted repeatedly for numerous other exhibits with a minimum of effort and cost."

CARIBBEAN EXPEDITION

Dr. Waldo Schmitt and Dr. Jack Clarke returned on May 5 from the Caribbean where they were members of the 1958 Smithsonian-Bredin Expedition. There were two other members of the party: Mr. John Finlay, malacologist, of Varadero Beach, Cuba, and Dr. Carl N. Shuster, marine biologist from the University of Delaware. During the first week Mr. Bruce Bredin, sponsor, accompanied the expedition.

Schmitt and Clarke emplaned at Washington and flew to St. Thomas, in the Virgin Islands, where they met the 86-foot schooner "Freelance," their home for the following six weeks. This is the same
Anegada, Anguilla, Antigua

man who will not bulk as large as those of 1956 but, as
tinguans. The skipper, expedition visited St. John, Tortola,
and Jost Van Dyke, Sandy Island, Virgin
Nicholson, are more selective.

and surface of the ground are slimy and
beneath.

a
the Bryant Cave contains a large pool
roofs of former caverns. The bottom of
the cave is eleven feet beneath the entrance, and at one end there
is a large stalagmite and a corresponding stalactite. The unique feature of
the Bryant Cave is a large pool beneath the overhang, and all the rocks
and surface of the ground are slinky and

Darby Cave, on Antigua, is intensely
hot and is populated by thousands of
beetles and larvae, as well as
cockroaches. An extended exploration
of this cave was halted by a recent
rockfall.

The expedition boasts some good
fishing, too. One 7-foot marlin,
five dolphins, four sharks (one an
Alaskan), barracuda, and many smaller
fishes were caught. Several whales
and numerous porpoises were seen.

Secretary Casasnovas was elected to
membership on the board of trustees
of George Washington University at the
annual meeting of the board held recently

ELECTED TO GW BOARD

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DR. JOHN R. SWANTON

Members of the staff of the
Bureau of American Ethnology were
grieved to hear of the death of the
much beloved Dr. John R. Swanton at
his home in Newton, Mass., on May 2d.
Dr. Swanton, 65, an ethnologist
on the staff of the Bureau for more
than 40 years, retired in 1944. A
gentle, kind, and retiring person,
he was the world's foremost authority
on the Indians of the Southeast. He
wrote more than 200 authoritative
articles and at least a dozen mono-
graphs on the Indians of this area.
Of his monographs, most of which ap-
ppeared in the Bulletin series of the
Bureau, perhaps the most sought-after
is "The Indians of the Southeastern
United States." published in 1946.
It is the most comprehensive single
work on the Southeastern Indians.

While his specialty included
the Creeks, the Caddo, the O'c,
Natches, Chichawas, Choctaw, Tsimucu,
Tunica, Catawba, and others in the
Southeast, he also made important
studies of the Tlingit, Haida, and
Chinook of the Northwest Coast, and
of the language of the Dakota (Sioux)
of the Plains.

One of his best-known studies
was made as chairman of the U.S.
De Soto Expedition Commission, which
attempted to trace in detail the
route of De Soto's 1539-1541 explora-
tions in the southern states.
He had a lasting interest in history, and was one of the founders of ethnol-
ogy, a branch of ethnology. Be-
side a vast amount of work with
documentary sources on the southern
Indians, he conducted many field
investigations of surviving South-
eastern Indian groups, and made es-
pecially important contributions in
the field study of their languages.
His early theoretical work on social
organization was important in the
development of anthropology.
An old-timer tells that in the
days when Dr. Swanton's office was
across the hall from that of the
Smithsonian's Secretary, the line of
visitors waiting to see Dr. Swanton
often exceeded in length that wait-
ing outside the door of the Secre-
tary's office.

Humility is the solid foundation of
all the virtues.

ATTENDS CONFERENCE IN DENMARK

Dr. Henry B. Collins of the Bureau
of American Ethnology will leave for
Copenhagen on May 18 to attend an Inter-
national Conference on Arctic Anthro-
pology to be held at the Danish National
Museum May 19-22. He and three other
American anthropologists have been in-
vited to participate in the Conference,
along with one from Canada, four each
from Denmark and the U.S.S.R., and two
each from Norway, Sweden, and Finland.
Conference members will discuss
plans for international cooperation in
Arctic anthropology, and one of the
anticipated results will be arrangements
whereby American and West European
anthropologists will be permitted to
conduct field work in the U.S.S.R.,
including Siberia. American anthropologists,
in particular, have long looked forward
to the time when they would be allowed
to travel and conduct field investiga-
tions in Siberia, for this is the area
in which the ultimate solution to the
most important problem—the origin of
the American Indians and Eskimos—is
most likely to be sought.

Expenses of the American and
Canadian participants will be paid
through a grant from the Rockefeller
Brothers Fund.

A REMINDER

The Federal Safety Council lists
the following hazards to safety in office
work:

1. Typewriter not secured to desk.
2. Broken casters on chairs.
3. Open desk drawers (tripping hazard).
4. Files not secured.
5. Heavy materials stored in top drawer
or on top of files.
AIR-TO-AIR MISSILE EXHIBIT

An exhibit including a "Falcon" missile, the first successful air-to-air guided missile, was presented to the National Air Museum on April 15. The presentation was made for the Hughes Aircraft Company, manufacturer of the missile, by Senator Barry Goldwater of Arizona in whose state the missile was manufactured.

Secretary Carmichael received the exhibit for the Smithsonian. Accompanying the exhibit, and presented at the ceremonies the same day, was a framed letter to Secretary Carmichael from General Thomas D. White, Chief of Staff of the Air Force. The letter, presented by Brigadier General Emmett F. Yost, Commanding General of the 86th Air Division, Air Defense Command, reads:

"The Falcon GAR-1 guided missile featured in this display represents a milestone in the rapid technological advances of this age. Developed and manufactured for the United States Air Force by Hughes Aircraft Company, it was the first operational air-to-air guided missile. Since its introduction in 1955, this potent armament of the all-weather interceptor has provided the Air Defense Command with an effective deterrent to enemy air attack."

"Accomplishments in military technology achieved by the combined efforts of American industry and the military services will offer equal application to peaceful purposes as well as to provide a strong force in maintaining world peace."

In accepting the gift, Secretary Carmichael stated: "On behalf of the National Air Museum of the Smithsonian Institution, I accept this gift of the Falcon GAR-1 guided missile. It will be a valued item in our Collections denoting the historic development of air power in America."

**NEW APPOINTMENTS**

Museum Curators:
- William J. McGrath, Jr. (S&T)
- Eugene S. Ferguson (Mechanical & Civil Engineering)

Field Representative:
- Walter A. Munn (APO)

Observers:
- Robert A. James (APO)
- Claude F. Knuckles (APO)

Comptroller:
- Reilly Atkinson (APO)

Mail and File Supervisor:
- John F. Jameson, II (Office of Secretary)

Clerk:
- Mary M. Ingraham (S&T)

Communication and Teletype Operator:
- Terrence P. Currier (APO)

Junior Clerk:
- Marjorie H. Mitchell (S&T)

Clerk: Stenographer:
- Mary B. F. Wright (Medical Sciences)
- Emily M. Ross (Political History)

Clerk-Typists:
- Sara J. S. Feves (USNM-Office of Director)
- Mary-grace J. Kelleher (APO)
- Lenora E. Posey (Library)
- Dorothy E. Davenport (Library)
ON PROGRAM AT AAM MEETING

Secretary Carmichael and several members of the Smithsonian staff gave lectures at the 53d Annual Meeting of the American Association of Museums at Charleston, S. C., May 1-3. The theme of the meeting was Higher Standards for a New Museum Public. The re-election of Secretary Carmichael as a member for three years of the Council of the AAM was announced at the meeting.

The Secretary gave an address on the importance of considering the anatomical and physiological makeup and the psychological characteristics of museum visitors in planning modern, educational, museum displays. He also emphasized the fact that in seeking for variety and pleasing effects in exhibits the rules of aesthetics in regard to color, form, texture, movement, and sound must be considered.

So-called "museum fatigue," the Secretary pointed out, is often quite as much a matter of change in the visitor's motivation and interest as he walks from case to case as it is of a basic alteration in his muscle cells.

The Secretary explained that at the Smithsonian Institution combined teams of administrators, curators, exhibit planners, artists, and skilled workers labor hand in hand in the difficult creative task of constructing each new exhibit. Colored slides picturing some new Smithsonian exhibits were shown.

Rutherford J. Gettens, associate in technical research at the Freer Gallery of Art, presented a paper entitled "Examining Table for Objects of Art." Mr. Gettens pointed out the need in museums and in conservators' studies for a special table for the examination of works of art. He described two tables at the Freer that were designed especially for the examination of objects such as bronzes, ceramics, and small sculpture. He also discussed the problem of examining tables for paintings and the accessories needed, and he outlined a procedure for the systematic examination of objects.

Mr. Gettens' paper entitled "Cross-Sections of Layered Structures in Polyester Resin" was read by Elisabeth H. West, assistant in technical research at the Freer.

She stated that the technique of cross-sectioning of layered structures in polyester resin has been applied chiefly to samples from oil paintings but that it can also be applied to wall painting on plaster and to such diverse materials as false and natural bronze patinas and ceramic glazes. Miss West pointed out that a convenient permanent mounting method has been developed, simplifying the polishing procedure, labeling, storage, and use under the microscope. She described the method of preparation and the materials and apparatus used, discussed the photography of cross sections in black-and-white and color, and showed photographs of cross-sections of a variety of materials.

Mrs. Bertha M. Usilton, librarian at the Freer spoke to the librarians section on "What's New in Museum Libraries." She described the library as a research and reference collection and compared the services expected of the librarian today with those of the librarian of yesterday, who was primarily a custodian of the books.

Following a well annotated description of modern museum library "tools," Mrs. Usilton closed her talk with these words: "The ivory tower concept that has dogged bohemians and scholars from the early ages will pass and the fictional treatment of librarians will be modernized with our giving of service. The uninformed visitor may be confused at first by the whirl of activity in the reading rooms and library offices, but not as confused as he will be by the type of people revealed there. "Not all readers are bald, bearded, and bespectacled eggheads. Not all shelf-librarians wear their hair in buns but have given way to feathercuts and chignons. Not all he-librarians look like bookworms who have spent their evenings in the stacks underground. "The public may raise their eyebrows to find these stereotyped bookworms emerging from work to head for the golf course, the swimming pools, the bowling alley, and other centers of activity not associated with librarians; but he ought not to be surprised. In Fountains, Not Reservoirs," Arthur Parsons debunks the stereotyped image of librarians with the reminder that one of them may be the 'glamor girl' down the street or the young man on the next block who is an avowed sports-car enthusiast. Who would have guessed that librarians are recruited from neighborhood human beings?"

Mendel L. Peterson, curator of history, spoke on the subject "Re-Appraisal for History Museums." John Walker, Director of the National Gallery of Art, evaluated the audio system used there and discussed whether it attains its educational objectives.

Dr. John Rinehart, of the Smithsonian Astrophysical Observatory, recently spent two weeks in Sweden and Germany where he lectured on meteorites and related matters. In Stockholm he was a guest of the Swedish Government, and in Freiburg, Germany, he was a guest of the Advisory Group for
Aeronautical Research and Development, NASA. While at Freiburg Dr. Rinehart presented a paper on "Meteorites and Ballistics" at a conference commemorating the 100th year of birth of Prof. Grund, the famous German ballistician.

On April 28 Dr. Rinehart delivered the Ortorn Memorial Lecture before the annual meeting of the American Ceramic Society in Pittsburgh, Pa. The title of his lecture was "Meteorites, Satellites, and Ceramics."

BRAZILIAN ARCHAEOLOGIST VISITS

Peter Paul Hilbert, anthropologist of Instituto Nacional de Pesquisas da Amazonia, Museu Paraense "Emilio Goeldi," in Pará, Brazil, is now conducting research in cooperation with Dr. Clifford Evans and Miss Margaret of this division of archeology as a result of a National Science Foundation Grant for the study of migration routes in northern South America.

Mr. Hilbert has worked in museums in Belém and Macapá, Brazil, since 1948, totally revising the exhibits in both museums. In addition he has conducted archeological excavations on the Rios Tapajós, Trombetas, Cumina-Erepécuru, between Parintins and Santarém, Dourado, Manacapuru on the Solimões, and on the Amazon between the south of the Tapajós and the Xingu.

The present study is of extreme significance because of the unusual materials used in tempering the aboriginal pottery. These include a siliceous bark of a tree called "caririço," and sponge spicules from a tree sponge growing along the rivers called "cauíx." The use of these materials is so distinctive culturally that it is possible to relate pottery in the middle Amazon to that from the eastern side of Peru and Ecuador as well as adjoining areas by relationships in temper.

Mr. Hilbert was educated in Germany and the University of Zurich. He will remain at the Smithsonian until July, when he will return to Brazil by way of Costa Rica to attend the International Congress of Americanists.

RIVER BASIN NEWS

Four papers were read by members of the staff of the Missouri Basin Project at the 60th annual meeting of the Nebraska Academy of Sciences held at the University of Nebraska, in Lincoln, on April 18.

Dr. Robert L. Stephenson, chief, discussed the newly inaugurated Missouri Basin Chronology Program. The other papers included "The Chronology of Early Remains at the Medicine Crow Site, 3DB2, South Dakota," by William N. Irving; "La Roche Ware and Relative Chronology" by Charles H. McMurt; and "A Bibliography of the Indian Archeology of the Central and Northern Plains" by Richard P. Wheeler.

Dr. Warren W. Caldwell, staff archeologist who is currently directing salvage operations in the Dardanelle Reservoir area, west-central Arkansas, was elected chairman of the archeology section of the Academy for 1959. A bibliography of primary sources for radiocarbon dates, prepared by Charles H. McMurt and Richard P. Wheeler in connection with the Missouri Basin Chronology Program, has been submitted to an American archeological journal for publication. This compilation of 33 titles, arranged in chronological order of publication, embraces all of the long date-lists. It should be helpful to archeologists, geologists, and others in tracking down the dates now available.

The anthropology class of Dr. Limwood L. Hodgeon of Kansas State College, Manhattan, visited the Missouri Basin Project laboratory on April 24. Dr. Stephenson conducted a guided tour through the offices and laboratory for Dr. Hodgeon and the group of 13 students.

Dr. Warren W. Caldwell reports that heavy rains have hampered the work of the salvage crew in the Dardanelle Reservoir during the past few weeks.

Mrs. Daphne Beghtol, clerktypist, died on April 29. She had been hospitalized since April 19. Funeral services were held on May 2 in Westminister Presbyterian Chapel.

BIG SPECS

Shuffling quickly through a ahead of requirements, a staff member read one as "Eye glasses for an African elephant!" A retake disclosed it to be "Eye glass, 30 mm, 2 pair (for African elephant)."

HOME STRETCH

The S. I. Bowling League is on the last quarter of its season to pick a winner, runner-up, and so on down the line. By the end of April the MARKS (Marquardt, Fabrisio, Almaroo, L. Shaw, and Lagundo), in second place as of last month, had battled their way to a 4-game lead over their closest competitor, the NAMS. At this time of year it might be enough to bring them home in front. Their success is all the more outstanding when one considers that the team was "thrown together. Only one member had an established average and had bowled in the league before; four were newcomers with no averages.

Individually, honors have remained somewhat stationary the past month. Elmo Miller (NAMS) leads in all categories but one for the men—the exception being Ed Boy's (NAMS) bid for more strikes than anyone else for the year. Carl Hellyer (K-B's) possibly put himself in line for high game by rolling 141 recently, since no one can get more than one prize. Jessie Shaw continues to lead in the average and high spares columns, while Esther Miller has high set and Mildred Keddy has high game so far.
In the recent election of officers for the coming year Harvey Drack (MECHS) turned the presidency over to Curt Sabrosky (COOS); Simmie Forinas (NAMS) replaced Bill Boyle (K-B's) as vice president; and Maria Hoemann (FINS) turned over the secretary's office to Clara Swallen.

It is hoped other Smithsonian employees will give serious thought to joining the league next year. It's fun; and you get acquainted with co-workers you might never meet otherwise.

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**SUMMER SCHOOL**

Catalogs and leaflets on summer school opportunities are now being received in the personnel division. Come in and explore the opportunities available to you that may lead to career advancement.

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**CURATOR RECEIVES AWARD**

Dr. Gustav Arthur Cooper, head curator of the department of geology, recently received the Mary Clark Thompson Medal of the National Academy of Sciences "for his contribution to our knowledge of the biology and stratigraphic significance of the fossil brachiopods."

Dr. Cooper was one of seven distinguished scientists who were presented with medals at the 95th Annual Meeting of the Academy held in Washington on April 28.

Another member of the award-winning group was Dr. George Van Biesbroeck, emeritus professor of astronomy at Yerkes Observatory, Wisconsin, and consultant on the Smithsonian's Satellite Tracking Program. Dr. Van Biesbroeck received the Academy's James Craig Watson Medal "for his noteworthy contributions to astronomy."

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**SOME EDUCATION COSTS ARE DEDUCTIBLE**

The Internal Revenue Service has recently issued new regulations to permit certain educational expenses of Federal employees to be treated as deductible items on their Federal income-tax returns. The new regulations are retroactively effective to 1954. Claims for refund for the tax years 1955 to 1957 must be filed within three years after the returns were due for the particular tax year involved.

The regulations require some direct relationship between the educational expenses claimed as a deduction and the occupational requirements of the employee.

If you believe you are eligible for such deductions you should check the details with Internal Revenue Service. In the meantime, two pertinent extracts are listed below for your guidance.

Expenditures made by a tax payer for his education are deductible if they are for education (including research activities) undertaken primarily for the purpose of: (1) maintaining or improving skills required by the tax payer in his employment or other trade or business; and (2) meeting the express requirements of a tax payer's employer, or the requirements of applicable law or regulations, imposed as a condition to the retention by a tax payer of his salary, status or employment.