

A&M's 'Texas Clipper' To View Major Solar Eclipse

During the late morning hours of June 30 off the west coast of Africa, A&M's maritime training ship will be a floating scientific research platform.

June 30 marks the date of a major solar eclipse. It also marks a first for the "Texas Clipper's" student crew—participating in scientific experiments while they undergo their annual seamanship training.

Before she left the Texas Maritime Academy dock in Galveston June 7, the "Clipper" took on NASA communications and weather satellite gear. Since then, she has been receiving satellite data daily and transmitting it to Goddard Space Flight Center and Ames Research Center.

Weather satellite photographs will aid in determining the most cloud-free spot in the Atlantic

for viewing the solar eclipse. The "Clipper" will relay weather information to other ships carrying scientists from all over the world who are seeking optimal positions for this rare opportunity to study the sun.

When the 15,000-ton training ship reached her first port, Tenerife in the Canary Islands, she took on board several scientific parties, including the coordinator of the "Clipper's" research activities, Dr. William H. Clayton.

Dr. Clayton is an oceanographer/meteorologist and dean of the Galveston-based Moody College of Marine Sciences and Maritime Resources. Research activities under his direction include tracing of transatlantic chlorophyll levels, recording of continuous surface temperatures, measurement of the temperature

structure of the ocean's upper layer, and testing of an on-board sewage treatment plant.

Also boarding in Tenerife was a research team from Scripps Institution of Oceanography. The "Clipper" is now steaming to an ocean station off the west coast of Africa, where she will sit for 30 hours, giving both scientists and students a look at the sun's seven-minute, four-second total blackout.

On board are 58 Texas Maritime Academy Cadets who operate the ship as part of their training as deck or engineering officers. Seventy-seven spring high school graduates—"prep cadets"—are also on the cruise. They earn six hours of college credit in TAMU's "Summer School at Sea" program.

The Scripps team, led by Dr.

Elizabeth Kampa, will be watching marine animal communities to see if they approach the surface during the midday darkness and return to the depths when the shadow passes.

The California biologist will measure changes in the color and light intensity in the water. She hopes to show that the upward migration of the communities is an attempt to remain in their customary light intensity range.

Working with Dr. Kampa are three research technicians, including her teenage son and daughter. Both have worked with their scientist mother on a number of oceanographic research projects, operating equipment and tabulating data.

Dr. Kampa's research is one of more than 50 National Science Foundation projects to study ef-

fects of the eclipse.

In addition to eclipse observations, several other experiments are being conducted throughout the scientific activity is the focus of special student seminars conducted by TMA faculty and scientists. Many of the 135 students are using their off-duty hours to assist with experiments.

The "Clipper" is slated to reach Barcelona, Spain, July 6, where the Scripps team will disembark. Other ports of call are Naples, Italy; Funchal, Madeira Islands; and St. Thomas, Virgin Islands.

The unique cruise ends August 12, when the "Clipper" returns to her home port of Galveston. She will have logged her eighth training cruise—and her first oceanographic research mission.

Other studies aboard the "Tex-

as Clipper" include the tracing of chlorophyll levels across the Atlantic with equipment borrowed from Capt. Jacques Cousteau's research vessel "Calypso". "Calypso" is docked at TAMU's Mitchell Campus for the summer while her crew rests and prepares for Cousteau's next expedition. Much of the NASA satellite equipment also was used on the "Calypso" during her recent cruise to the Antarctic.

Goddard Space Flight Center is receiving continuous surface temperature taken with two infrared thermometers installed on the "Clipper". These temperatures are used to verify the accuracy of infrared photographs from satellites.

Another project involves an on-board sewage treatment plant used in port when the ship serves

as a dormitory for TMA cadets during the school year. Dr. Robert Graves, a TMA faculty member, is working with the National Marine Research Center in an effort to develop bacteria in an effort to develop bacteria in the system that will thrive in seawater.

Other research includes measurement of the temperature structure of the ocean's upper layer. These measurements are transmitted daily by ship's radio to the U. S. Navy Fleet Numerical Weather Center at Monterey, Calif.

Standard weather observations are being made continuously during the cruise. These include reports of sea state, cloud cover, wind, wave height, precipitation, mean temperature, and unusual features such as water spouts and thunderstorms.

The Battalion

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Chinese Group To Visit A&M; Study Role Of Insect Hormones

A scientific delegation from the People's Republic of China will visit A&M July 12-14 as part of a U. S. tour stemming from Dr. Henry A. Kissinger's February trip to Peking.

The visit is being arranged by the Washington-based Committee on Scholarly Communication with the People's Republic of China, jointly sponsored by the

American Council of Learned Societies, National Academy of Sciences and the Social Science Research Council.

The six-member Chinese group is primarily interested in research regarding insect hormones, a committee spokesman said.

While at A&M, the group will spend most of its time meeting with Dr. Herbert Roller, profes-

sor of biology, who heads an extensive program supported by the National Science Foundation dealing with the role of hormones in development.

Roller and a colleague, Dr. Karl H. Dahm, also of A&M, are credited with the isolation, elaboration and chemical synthesis of the juvenile hormones, one of the hormones in insects which regu-

late developmental processes. Their findings have served as a basis and stimulant to industrial development of hormonal methods of insect control.

The Chinese group is scheduled to arrive in the U. S. Monday, June 25. In addition to A&M, the group will visit Columbia, Harvard, Cornell, State University of New York, University of Wisconsin-Madison, and Stanford, along with several U. S. Department of Agriculture facilities and commercial chemical firms located throughout the nation and the International Organization for Biological Control of Noxious Animals and Plants in Berkeley, Calif.

Library Receives Files Of Washington Correspondent

Files of Washington news correspondent Bascom N. Timmons have been given to the A&M Library.

Timmons retires June 30 to end a Washington news career begun in 1917. He wrote for more than 20 newspapers across the Western half of the U. S.

His files, described as "one of the most efficient and complete in Washington," contain news stories, clippings, press releases, pamphlets and other materials. The file is arranged by subject.

"The subjects are quite specific and reflect Texas' and national interests in public affairs through the decades," noted John B. Smith, director of A&M libraries, in announcing the gift.

The Timmons files provide A&M researchers another unique source for study of public affairs.

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Cong. Olin E. Teague (D-Tex.) officially presented his papers to the A&M Archives last year.

Smith said the Timmons file will be processed as rapidly as possible by the University Archives staff, headed by Dr. Charles Schultz. It will make available to students, faculty and others materials representing "a long and full career of reporting Washington news developments."

A&M history professor Dr. Irvin May played a key role in securing the Timmons files, consisting of 96 large boxes of materials, for the A&M Archives. He interviewed the distinguished newsmen, of which a tape-recording will be available.

Other newsmen have consulted the files, according to the Nashville Tennessean in a 1953 report.

Timmons concludes a newspapering career started in 1906 with the old Fort Worth Record. He has served since 1917, except for military leave, as Washing-

ton correspondent for the Houston Chronicle.

He also represented other papers, including the Fort Worth Star Telegram.

A sign on the door of his 12th floor National Press Building office identifies him as correspondent of the Houston Chronicle, New Orleans States-Item, Nashville Tennessean, Tulsa Daily World, Fort Worth Star Telegram, Shreveport Times, Arkansas Democrat, Chattanooga Free Press and Baton Rouge Advocate and State-Times, among others.

Timmons' friends over the years included the late John Nance Garner, Gen. Douglas MacArthur, Mrs. Woodrow Wilson and Will Rogers. The newsmen wrote three books, "Garner of Texas," "Portrait of an American: Charles Gates Dawes" and "Jesse H. Jones, the Man and the Statesman."

(See Files, page 8)



HAMMING IT UP—It was field day Saturday for all the local "hams" as the Memorial Student Center Amateur Radio Committee participated in a nation-wide simulated emergency test. The committee contacted over 400 amateur stations across the U. S. and Canada in the 24-hour operating period. Two stations were set up on the lawn of the Academic Building while two more were on the roof. Additional simulation was the use of emergency power supplies, provided by the Buildings and Utilities Department of A&M and the Fireman Training School. (Photo by Doug Kirk)

Architect's Wood Sculptures Exhibited In Dallas Showroom

DALLAS—An exhibition of natural wood sculptures by artist-architect Bob Boyce of College Station is being presented by Ed Sevadjian in the Edmund Kirk Associates showroom (formerly Sevcraft) in Oak Lawn Plaza.

The exhibit opened with an invitation preview from 5 to 7 p.m. Tuesday at which Boyce was present.

An architect at A&M, Boyce has always been fascinated by wood. He carved his first sculpture at the age of 15. In recent years he has turned his primary attention to natural wood forms "carved" by time, wind and water.

When an exhibition of these "tree bones," as Boyce aptly calls them, was shown at A&M, Joseph Donaldson of the College of Architecture and Environmental Design stated:

"Boyce is a man of many talents and facets . . . an artist, architect, sculptor, and ardent

lover of nature . . . He loves wood. He respects it for building purposes. It lures him as a sculptural medium . . . the selective search for, and emphasis on, texture, grace and violence exhibited here will be apparent."

Boyce has collected his weathered wood sculptures over a period of years. Many of the large pieces were found half buried or under water in the Highland Lakes area of Texas and were removed with arduous physical effort.

While some of the pieces resemble shrunken heads, weird birds or other fantastic creatures, this was not a consideration in their selection. Boyce's only criteria were the texture, grace and force inherent in the weathered wood forms.

Boyce's respect for wood and nature's effect on it is evident in the restraint he has exercised in handling and mounting the

pieces. He has not presumed to "improve" on them by trimming, polishing, varnishing or any of the other techniques employed by hobbyist collectors of driftwood. His mountings are minimal—simple blocks of old wood or clear lucite that do not distract from the sculpture itself. Hanging pieces are suspended by virtually invisible wire so that the viewer is aware only of the wood form and the shadow patterns it casts.

(See Sculptures, page 2)

Weather
WEDNESDAY—Partly cloudy. Warm afternoon. Southerly winds of 5 to 12 m.p.h. High 92, low 70.
THURSDAY — Partly cloudy. High of 95.
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Over 300 Cheerleaders, Twirlers, Dancers Invade Campus



RAH! TEAM! — A&M is alive this week with cheerleaders, twirlers, dance units, pom-pom girls, and other related groups as Mrs. Kathryn Fain conducts her camp for young people from throughout Texas.

