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February 18, 1969

Mr. Oscar E. Monnig
29 Chelsea Drive
Fort Worth, Texas 76115

Dear Oscar:

I have your letter of February 6 and enclosed you will find the reprint requested, "Tektites", from the International Dictionary on Geophysics.

Concerning the meteorite supposedly found in a well while drilling for oil, I have no information; but knowing your interest in meteorites, I asked Mr. Hugh Auchincloss Brown to get in touch with you. It hardly seems worth while to run down this lead for the purpose Mr. Brown has in mind. Both Mr. Brown and Mr. Boschke have rather far out ideas.

Thanks for the information about the Houston fireball of February 5. It is peculiar to have one follow so closely a few days later the one which landed in Mexico. I heard a rumor that Elbert King managed to get a piece of the Mexican fireball and that it is a carbonaceous chondrite. Also, I heard that the Mexican government wasn't pleased about this. The enclosed news report, however, doesn't quite fit a carbonaceous chondrite.

Sorry to have sicked Mr. Brown on you--thought you might be amused by some of his ideas.

Sincerely,

A handwritten signature in blue ink that reads "Virgil".

Virgil E. Barnes, Director
Research on Tektites

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Enclosures

which manufacturers' equipment. explained his firm was doing research and development program of equipment to sell to telephone company pipeline operators and...

...ntly, the firm and another enterprise National Instrument Services makes existing equipment, apply it in new ways or transport it to new locations. The firm also does cost estimates, feasibility studies and sales for telephone companies on handling long distance...

...latter service, Smith explained, makes it possible to use long distance revenue in different systems, making nationwide telephone link-

gauge elsewhere. He said the effect of his engineering enterprise on the public was indirect through service to the communications industry, especially telephone companies. Chapple said the engineers' task did not end with design and planning, but continued to look after the safety and interest of the public. "We are concerned with safety of operations in plants as it benefits the public. If a user persists in an unsafe operating condition after we point it out to him, we cut off his gas," the mechanical engineer said. Hirschfeld pointed out design engineers for the Highway Department inspect a highway periodically after it is completed to see that it is adequately and safely maintained.

The relatively high intelligence of this particular breed of goat, plus his natural stamina, learning capacity and agility, has made him of prime interest to Texas A&M radiobiologist Dr. Sidney O. Brown, a native of Coleman. During the past seven years, many of these goats have been assembled for tests to determine the effects of radiation on them, Brown said. "We have studied acute and continuous exposure to radiation on them through the facilities of A&M's Nuclear Science Center," Brown explained. "One experiment has been to test the effect of radiation on the life span and continued performance of the Spanish goat," he noted. Brown said research has determined that goats given relatively large doses of radiation are able to reproduce, particularly when the dose does not exceed 10 Roentgen per day. "Extensive studies have shown that while the blood cells decrease, they are not incompatible with life for an extended period of time," said Brown. He pointed out some of the goats are still alive, although they have received five Roentgen per day over the past five years. The goats, trained to perform certain routines, have undergone detailed physiological tests to detect differences in blood pressure, respiration and effects on the central nervous system, in addition to the reproduction tests. One of the project aims is to establish the effect of whole body irradiation on the survival and basic reflect behavior involved in running, walking, jumping, judgment of distances and performance on a simple

than ever before." With atomic energy in increasing use, it has become vital to know more about the effects of radiation. Spanish goats are but one way of finding out.

Feb. 10, 1957

Chihuahuan Meteor Due Close Study

CAMBRIDGE, Mass. (AP) — Scientists from the Smithsonian Astrophysical Observatory will study a fragment of a meteorite which fell in Northern Mexico last Saturday for possible clues to the origin of the solar system. Six fragments of the meteor, which caused a widely seen fireball, were recovered in a 20-square mile area near the town of Parral, in the state of Chihuahua, by a scientist from the NASA center at Houston. The largest fragment weighs about 30 pounds, an observatory spokesman said, and looks like fine concrete flecked with metal. The fragment destined for Cambridge will be analyzed for radioactive particles not found on earth, which are created by cosmic ray bombardment while the meteor travels through space. Since meteors are believed to be fragments of ancient exploded planets, study of them may shed light on the origin of the solar system. The fragments were sterilized for the trip north, the spokesman said, and will be analyzed in a rigidly controlled environment. The investigation at Cambridge will be at the Center for Short-Lived Phenomena, which is equipped to examine the fragment for radioactive elements that have a short half life. The Air Force joined the investigation at the request of the Smithsonian Institution in Washington by flying a B57 jet bomber through the probable dust trails left in the atmosphere by the meteor to collect any particles left. Samples of atmosphere collected in filter traps on the jet bomber were sent to the U.S. Geological Survey Laboratory at Menlo Park, Calif.

San Antonio, Tex. Times



(LEFT) TELLS OF HIS FIRM... (CENTER), center, and Chapple (ME), right

Engineers Pick... Ketta

...e engineer of the Permian... n chapter of the professional engineer group will be... ted at the meeting. ...servations for the meeting... dinner at Odessa Country... should be made Monday... Jed J. Miller in Odessa... L. Davis in Midland and... es P. Dale in Big Spring. ...cial hour is at 6:30 p.m. and... er at 7:30 p.m.

Fast-Draw Hatch May Save Lives

The new, single-unit, quick-opening hatch on the Apollo spacecraft can be opened in seven seconds by the astronauts, as opposed to 30 seconds for an earlier version. The fast-opening hatches were designed after the astronauts died aboard an Apollo craft whose interior was engulfed in flames. The original hatch took some 90 seconds to undoggle.

Creel Is ASC Forum Speaker

Angelo State College's faculty forum speaker Thursday will be Dr. Gordon Creel, head of the ASC biology department. Creel will speak at the American Association of University Professors-Sponsored program from 5:30-7 p.m. in the college Food Service Center. His topic will be "Man's Response to an Altered Environment."

ater, Inc, Meet... In Amarillo

BOCK (STNS) — The se-

DON'T CHOP THE MONEY