Lost Site of Sybaris Found With Drill for Use on Moon

By JOSEPH L. MYLER

Washington – (UPI) – Because the tiny heart of the hydrogen atom is both a gyroscope and a magnet, scientists recently were able to find the long lost site of fabulous city of Sybaris.

Because of a new kind of sonar, other scientists are finding relics of Roman ships sunk thousands of years ago in Syracuse harbor by the terrifying war machine of Archimedes.

Thanks of a drill designed to sample the surface of the moon, archeologists are learning more about the great art of the Etruscans, the mysterious first inhabitants of the Italian Peninsula.

These are a few examples of how modern science is opening windows not only on the future but also upon man's fascinating past. They were cited recently by Dr. Glenn T. Seaborg, chairman of the atomic energy commission.

Not all of the exciting frontiers of science are thousands of miles out in space or decades forward in time, Seaborg suggested.

Wealthiest City

Go back to ancient Sybaris, a Greek colony in southern Italy. In the sixth century before Christ, Seaborg said, it was probably the wealthiest city in the world.

If you want to express the ultimate, or most, in luxury, the word to use is "sybaritic." It describes the actual way of life of the rich residents of Sybaris.

Jealous neighbors tried repeatedly to grab Sybaris and its wealth. In 510 B.C. the city of Cretona succeeded. Sybaris was razed and its conquerors diverted the Crati river over its ruins. Its exact location and size disappeared from the memory of man, Seaborg said.

Sybaris might have remained lost were it not for the hydrogen nucleus. Out of this infinitesmal gyroscope-magnet, scientists have made a sensitive device for measuring local magnetism.

Can Detect

Tombs deep under the ground or ancient buried walls subtly disturb the earth's natural magnetic field. With their hydrogen device scientists can detect these distortions and locate their cause.

U. S. and Italian scientists, using this modern tool, investigated the valley of the Crati. In a few days of search, they found the outline of one of the walls which enclosed Sybaris. The wall was buried under 10 feet of silt accumulated over the centuries.

Syracuse, the Sicilian hometown of the philosophical and inventive Archimedes, fell to the Romans in 212 B.C. after three years of siege. Before it fell, however, war machines invented by Archimedes had sunk many a Roman ship whose remains still lie deep in the mud of Syracuse harbor.

Will Penetrate

Sonar is a method of gauging water depths or locating hidden rocks with the help of bouncing sound waves. A new kind of sonar, Seaborg said, will penetrate many feet into the mud and ooze of the ocean floor.

It has been used to find lost torpedoes and to study sedimentation in rivers. And now it is being used to locate ships sunk thousands of years ago by the ingenious devices of the brilliant Archimedes.

Tombs of the ancient Etruscans underlie much of northern Italy. Many long since have given up their treasures to grave robbers. To determine what ones are worth excavating, investigators use a high-speed portable drill to bore a hole into the tombs from the ground surface.

On Television

A tiny periscope or a miniature camera lowered through the drill hole will show whether a tomb contains objects worth studying. Recently a television camera was linked to a periscope and viewers all over Italy saw "the magnificent art of their ancestors," Seaborg said.

The periscope, the "microcamera," and television are all, of course, the fruits of modern technology. And one of the drills being used to explore the pre-Roman past, Seaborg noted, "was originally developed in connection with the space research program – for possible sampling of the surface of the moon."

Seaborg cited many more examples of what he called the "unity of knowledge and knowledge-seeking." He said "there is no knowledge that is isolated from the total fabric."

Virginia Boy, 14, Given Life Sentence

Norfolk, Va. –(UPI)– A 14-year-old boy was sentenced to life imprisonment Wednesday for clubbing a sailor to death on a street during an apparent robbery attempt.

An all-male jury deliberated less than an hour before convicting husky Carl Matthews Powell of first degree murder. Officers said the teenager admitted beating Gordon R. Holm, 27, of Viborg, S. D., stationed on the USS Uvalde, with a table leg last Aug. 23.

Achievement Event Held for Lake Creek 4-H

Lake Creek – Three members of the Lake Creek 4-H clubs were presented 4-H county achievement awards at a banquet Oct. 24 in the Lake Creek Grange hall.

Miss Phyllis Kirkland, 4-H Home extension agent, made the presentations.

Medals were presented for outstanding record books to Florence Woolfork, outdoor cooking; Gail Perry, junior horse and Lauramay Noble senior horse.

Joseph Perez, a representative of the First National Bank of Oregon, Medford branch, presented achievement cards and year pins to: Lauramay Noble, seventh year; Florence Woolfork, Mary Ann Gardner, Mike Reid, sixth year; Cherly Stanley, fourth year; Tom Perry, Donna Hoefft, Deanna Grissom, third year; Dana Jo Bradshaw, Richard Bartling, Mark Flint, Liz Flint, Billy Hansen, Tom Hoefft, Andrew Bartling, Tod Crouse, Bill Hoefft, Linda Mayfield, Nancy Stanley, Gregory Walch, first year.

Miss Kirkland and Perez told the youngsters that the Oregon Bankers association spends thousands of dollars in support of the 4-H program and the benefits available for the 4-H member.

Larry Perry, leader of the 4-H horse club presented trophy belt buckles as awards to the top club horse record book winners. They were Gail Perry, junior; Tom Perrey, intermediate; and Lauramy Noble, senior.

The Brownsboro Achievement trophy was presented to Gail Perry as an award for the high point Lake Creek horse club member at the county fair. Runner ups were: Tom Perry, second; Lauramay Noble, third; Cherly Stanley, fourth; Mary Ann Gardner, fifth. Name of the winner will be engraved on the trophy and she will be able to keep it for the ensuing year.

Lauramay Noble, junior leader, presented all the horse club members with a horseman certificate.

Mr. and Mrs. Atkin, owners of the Lake Creek store, were introduced and complimented for help with the 4-H program. Our display in observance of National 4-H week was exhibited in their store.

Mr. and Mrs. Floyd Bubb, owners of the Brownsboro store, were also complimented for their interest in 4-H work. They are the donors of the Brownsboro Achievement perpetual horse trophy.

Donna Hoefft, retiring president, and Mary Ann Gardner, presided at the meeting.

Mrs. Walch, Mr. and Mrs. Fisher, Mr. Prile, and Mr. Perry, club leaders, were presented gifts by the members for their service the past year.

Officers elected for the General Lake Creek 4-H club were: Willard Walch, president; Bob Armitage, vice president; Donna Hoefft, secretary, Raphael Gardner, treasurer; Lauramay Noble, reporter; Bob Bonner, song leader; Linda Armitage, sergeant-at-arms.

The first Beef club meeting will be held Nov. 1 at 7:30 p.m. at Bob Fisher ranch. Horse club meeting will be Nov. 17 at 7:30 p.m. at the Hoefft residence.

Mother 'Hopeful' Son To Be Freed

Hong Kong–(UPI)–Mrs. Hugh Redmond returned from eight hours of visits with her imprisoned son in Red China Wednesday and said she still was "hopeful" for his eventual release.

But the Yonkers, N.Y., widow refused to discuss further the possibility of freedom for her son, High Redmond Jr., jailed on espionage charges 11 years ago. Her last previous visit was in 1958.

Mrs. Redmond, 65, said she spent four two-hour sessions with her son and found him "quite changed but otherwise okay." Redmond, 43, a former Shanghai tobacco importer, was sentenced to a life prison term in 1955.

"Everyone changes," Mrs. Redmond told newsmen after crossing the border into Hong Kong. "If he were at my side it would be different . . . But anyway he's all right."

De Gaulle Satisfied

Paris–(UPI)–President Charles de Gaulle told his government Wednesday he was satisfied with the results of Sunday's constitutional referendum on which he staked his job as president.

An official communique, published after a three-hour cabinet meeting presided over by De Gaulle, said "the president of the republic emphasized the great significance of the positive reply given by the nation to the question he put to it."

De Gaulle won 62 per cent of the votes cast, although less than 50 per cent of those of the entire electorate because more than 6 million registered voters failed to vote.

The referendum was on a bill to change the constitution so that De Gaulle's successors will be elected by popular vote of the whole nation instead of by a limited college of 50,000 notables.

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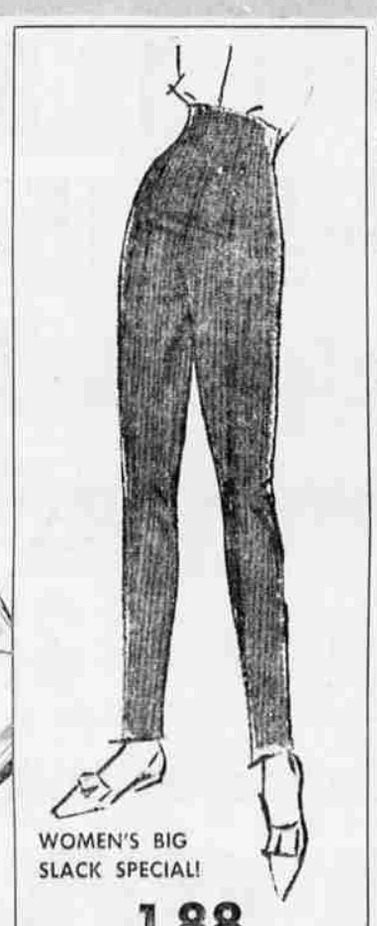

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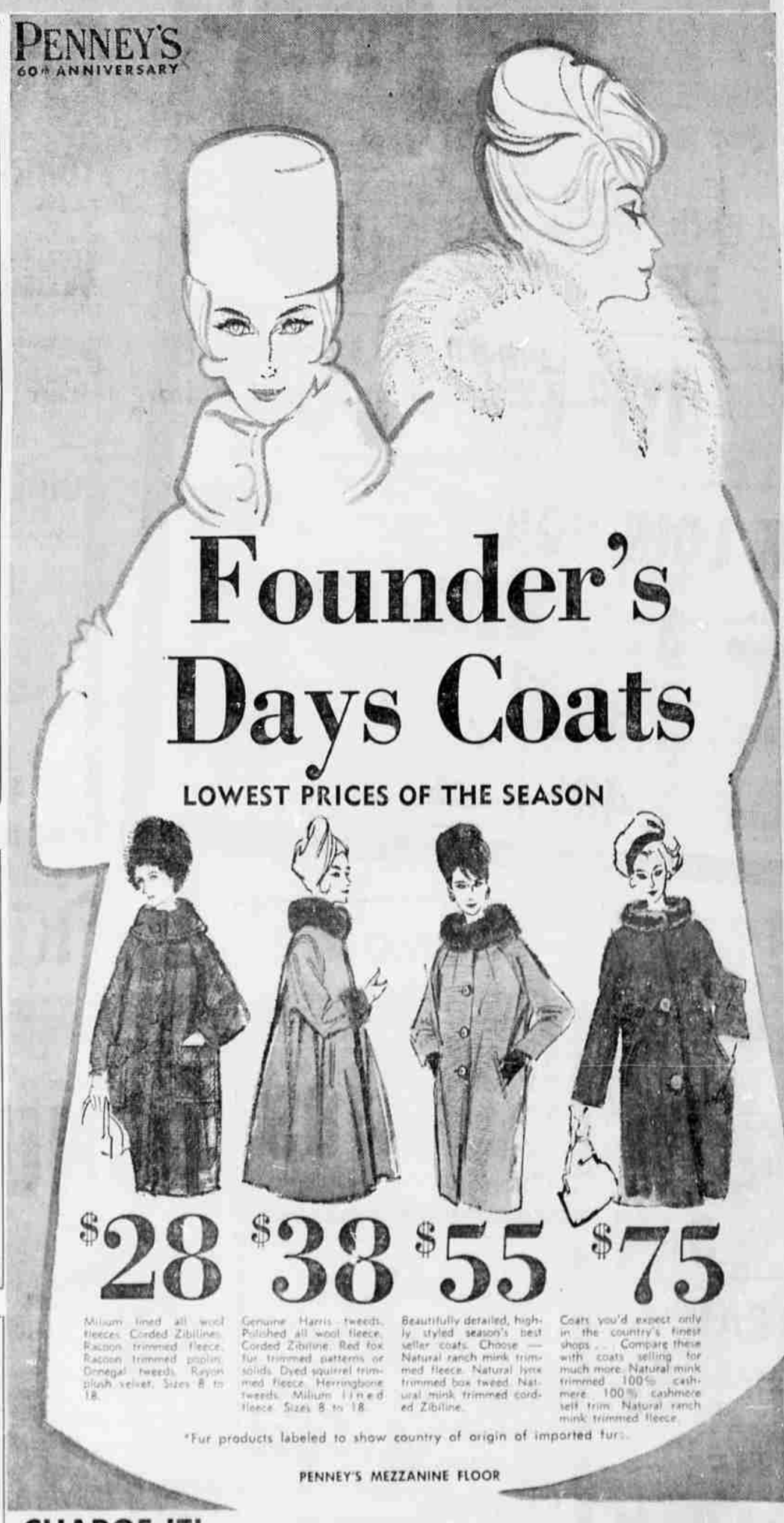

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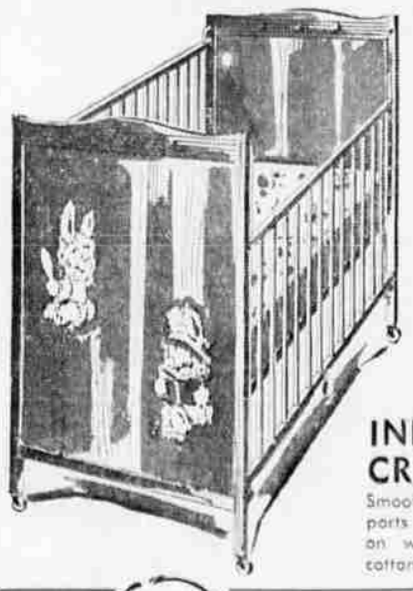

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