

Historian Says Coronado Trip Was Different

WICHITA FALLS, Tex. (AP)—Coronado didn't go that-a-way after all.

At least, that's the discovery a Wichita Falls historian made. . . a discovery that should bring disagreements from many Southwestern historians.

The historian, J. W. Williams, author of several books about the Southwest and a Wichita Falls High School teacher, says he has found new evidence that shows that Coronado didn't camp in Palo Duro Canyon, as many believe, but rather ended his Texas tour a few miles below Sterling City on the North Concho River.

Most popular theory now among historians is that Coronado left his Army in Palo Duro Canyon. According to Williams, Coronado never saw the canyon. Yet, guides in Palo Duro point out where Coronado entered the canyon, as well as other Coronado sites.

Williams' discovery should also come as a surprise to residents along the Concho. . . they never knew they ever had such a famous visitor.

Williams says he used simple evidence to pinpoint the end of Coronado's travels in Texas—pecan trees, grapes and mulberry trees, something he believes other historians may have overlooked.

Using the notes made by a Spaniard who was with Coronado, Williams had these facts to work with: Coronado stopped 444 miles deep in Texas from his starting point near Albuquerque, N. M., he camped at a place where he found both green and ripe grapes, pecan trees and nearby groves of mulberry trees, he camped at a ravine one league wide, and he stayed two weeks—from June 17 and July 1.

Williams traveled over West Texas, interviewed oldtimers, wrote letters and made phone calls until he found the spot that met all of the requirements.

His most important clue, he says, was the one place in Texas where grapes are both green and ripe during the period June 17-July 1.

And, he says he found it all on the Concho, the only place in Texas that matches the clues left by the Spaniard who wrote of Coronado's travels.

He says Palo Duro is ruled out for several reasons. "The main thing is the grapes just aren't ripe at the right time in Palo Duro," says Williams.

"I don't mean to disagree maliciously with other historians," Williams says but he expects many complaints from his recent report in the Southwestern Historical Quarterly.



Where Coronado Stopped

J. W. Williams of Wichita Falls points to a spot on a Texas map below Sterling City on the North Concho, where, he says, Coronado camped in Texas. The discovery, based mainly on when the grapes ripen, is in disagreement with other Texas historians' findings. (AP Photo)

Poultry Science Club Turkey Sale Orders Open for Thanksgiving Recess

The Poultry Science Club has their annual Smoked Turkey Sale now in progress and orders for the grade A smoked turkeys can now be taken for Thanksgiving and Christmas.

The turkeys were purchased from the Norbest Turkey Growers in Marlin, Tex., and were smoked, put in bags and frozen in Hearne, according to Gilbert Balch, president of the club.

Balch said the turkeys will sell for \$1 a pound locally and \$1.25 for distant orders. The turkeys range in size from six-12 pounds.

Money from the turkey sales goes to support the various club activities, including sending the various judging teams to contests all over the nation. Among these contests is the National Senior Poultry Judging Contest held in Chicago. Also, the Junior team plans to compete in contests held at different points in the U. S., said Balch.

Anyone interested in buying one of these turkeys should contact the Poultry Science Club, the Department of Poultry Science or any member of the club.

In Austin Friday

Brubeck, Hamilton Top Jazz Concert

The Dave Brubeck Quartet and the Chico Hamilton Quintet will headline the "Jazz For Moderns" concert to be held at 1 p.m. Sunday in Municipal Auditorium in Austin.

In addition to these two well-known groups, the Maynard Ferguson Band, vocalist Chris Connor and the Lambert-Hendricks-Ross Singers will be featured in the show. Serving as emcee will be jazz author and critic for "Playboy" magazine, Leonard Feather.

The group of entertainers are being brought to Austin for a single matinee performance by Jazz, Ltd., the Texas group which first brought pianist Dave Brubeck to Austin last March.

The "Jazz For Moderns" stars are also in Texas to participate in the "Pass of the North" Jazz Festival being staged Friday through Sunday in El Paso.

Brubeck's quartet, featuring Paul Desmond on alto sax, has recently returned from a State Department-sponsored tour of India and the Far East.

The group has recorded 11 long-play albums for Columbia Records. In the past year it won first place in both the "Playboy" and "Downbeat" magazine polls for the best

instrumental group. Brubeck took first place in the Metronome poll for best piano player.

Chico Hamilton is the former drummer for the original Gerry Mulligan Quartet, which first introduced the concept of using no piano, only a bassist, for harmonic foundations.

Hamilton's quintet, considered by most critics to be the most successful at incorporating classical forms into jazz arrangements, employs such instruments as the cello and flute and records for Warner Bros.

Lewter to Speak At Two Meetings Here Next Week

Durward Lewter, operator of a packing house in Lubbock, will speak to staff members, graduate students and seniors in the Department of Animal Husbandry at two separate meetings to be held Nov. 11 in the Animal Industries Building.

Lewter will discuss commercial feedlot and packing house operations with graduate students and staff members in a meeting from 8-9 a.m. He will also speak to seniors on the subject of feeding show cattle in a meeting from 9-10 a.m.

Lewter's packing house handles 400 head of cattle per day, according to Dr. O. D. Butler, head of the Department of Animal Husbandry. Lewter is a member of the Class of '42 and was a long time county agent in Howard County, according to Butler.

The general public is invited to hear the talks, Butler said.

SCIENTISTS AND ENGINEERS:

THE MEN BEHIND THE HEADLINES

NAA's On-Campus Interviews Nov. 11

NEARLY EVERY DAY you read of another advance in science . . . whether it's a space vehicle streaking toward Venus or a submarine gliding beneath the polar ice.

These are the events that make headlines. . . but even as they are announced to the world, engineers and scientists are planning new and greater achievements—and research shows them the way.

Scientific research always has had an important role at North American Aviation. Today, research projects are underway at more than 185 laboratories in the six North American divisions. They encompass the full scope of modern science.

Is air stiffer than steel?

Not all research has the headline appeal of a space ship or nuclear power. For example, research engineers at the Autonetics Division, which designs and manufactures space-age navigation systems, found new and different ways of building rotating bearings. . . and found that air is stiffer than steel for some purposes. Improved gyroscopes and magnetic recordings were important results of this research.

A cigarette's place in research

Even the ordinary cigarette has a role in scientific research. Scientists at the Aero-Space Laboratories, an organization within North American's Missile Division, use a burning cigarette in a still room to illustrate the difference between laminar flow and turbulence in the boundary layer, the very thin air space that lies along the outer skin of an aircraft or missile. This research is part of a program to find ways to protect missiles, satellites and space ships from burning when they re-enter the earth's atmosphere.

Toward the conquest of Space

The Rocketdyne Division has designed and built the bulk of today's operating hardware in the high-thrust rocket field. Explorer I, America's first satellite, was boosted into orbit by a Rocketdyne engine. . . and three-fourths of the power for Able IV-Atlas—man's first attempt to reach toward another planet—comes from liquid-propellant engines designed and built by Rocketdyne. Researchers at Rocketdyne delve into

the chemistry of propellants, the physics of engine components and what happens within them, ignition of fuels, combustion of fuels, and the transfer of heat.

2,000 mph manned weapon system

The Los Angeles Division is the home of next-generation manned weapon system, the Mach 3 B-70 Valkyrie strategic bomber, and America's first manned space vehicle, the X-15. Research engineers in this division investigate manufacturing techniques, conduct studies in aerodynamics, materials and processes, and thermodynamics. They also work with physiologists, biotechnologists, biophysicists, and psychologists to solve design problems concerning human capabilities and limitations that arise from modern weapons and research systems.

Building better Navy aircraft

Analysis of aircraft carrier operation is a major research project at the Columbus Division. This division designed and built the Navy's T2J Buckeye jet trainer and the Navy's supersonic, all-weather A3J Vigilante. Research activities are diverse here—from how to illuminate an aircraft cockpit to developing unmanned vehicles and systems to perform within the earth's atmosphere.

Developing the peaceful atom

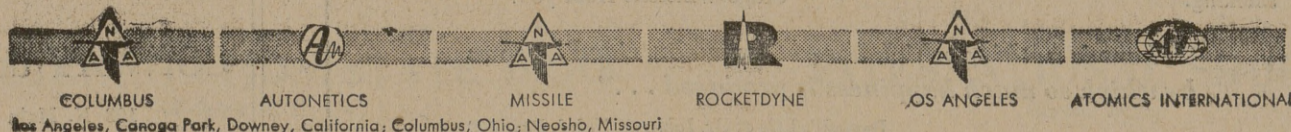
The work at the Atomics International Division of North American is part of a large national research effort aimed at the peaceful atom. Success in the development of economical power from the atom depends on thorough knowledge in every phase of atomic power systems and their materials of construction. Atomics International research reactors are in service in Japan, Denmark, West Germany, West Berlin, and Italy.

Opportunities for college graduates

Today at North American there is outstanding opportunity for young engineers who want to share the unusual creative problems that face science. You can rapidly build a sound engineering career by working on the top-level projects now underway. Visit your placement office where you'll find all the facts about a challenging and rewarding future with North American.

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