

In Black and White . . .

Prospecting Is Simplified With New Air Photographs

By HOWARD W. BLAKESLEE, Associated Press Science Editor

Ithaca, N. Y.—(AP)—Would you like to prospect for diamonds just by looking at air photos taken from a mile or two up?

Or uranium? Or gold, tin, iron, lead, oil?

All this can be done, and much more, with Cornell University's airplane photos of the earth's land surface. This new "map" was described today.

The pictures are black and white. They cover about a third of the land of the entire earth. The clues were developed by Prof. D. J. Belcher, of the school of civil engineering.

This is an outgrowth of World War II when Belcher wrote General MacArthur's staff suggesting what they could discover by looking more closely at aerial photos. He was instructed to catch the next plane.

Some clues are almost incredible. Drainage pipes, buried underground, and not visible when you walk over them, show as thin white lines. The earth is a little drier directly above them. This causes a slight change in color of vegetation which shows white.

White spots the size of pin points in the midwest were identified as ant holes. For several feet around each hole the ants track the vegetation enough to change the color.

Gold deposits have been discovered on photos by earthquake faults. Iron by a slight change in colors of leaves. Air oil prospecting is widespread.

Around uranium deposits there is usually colored earth, mainly yellow. This shows white.

Diamonds are found in "pipes." These are circular deposits of blue clay about two miles in diameter, extending deep down. Prospectors run plough furrows looking for blue clay, but this requires years. The vegetation on top of a blue clay pipe is different enough to reveal the circular formation.

The size of grains of sand may be "seen." An example is dunes, having what look like long, gray fingers streaming inland. The winds blowing inland have stripped away the fine sand, leaving coarser stuff, in ridges, which reveal their presence by whiter color.

These fingers show sands which autos cannot cross, but tractors can. Farther inland are likely to be signs of clay, which autos can cross, but which clog tractor treads.

Belcher says anyone can learn the photos. There are about thirty main formations. These repeat all over the world. The land forms around Cornell repeat in Novia Scotia and Switzerland. Those of central Arizona in Persia, Australia and Africa. The volcanic soils of the Aleutians repeat in Korea and Japan.

The main formations divide into hundreds of others which can be identified, and interpreted.

A valuable clue for the United States is new gravel deposits where highway construction has consumed most of the known gravel. Air photos show where reclamation projects are feasible, where land is wet, dry, rough, smooth, passable or impassable for equipment.

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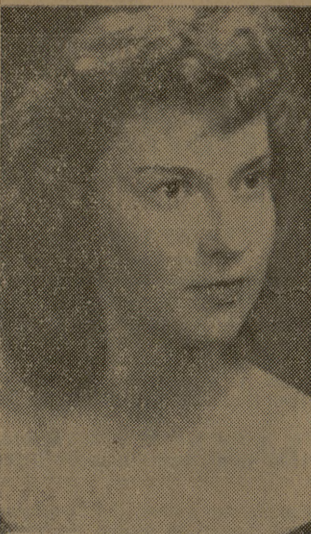
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Queen Candidate



Peggy Ward

Miss Ward, a sophomore at Sam Houston State Teachers College, is one of the latest entries in the 75th Anniversary Queen contest which is sponsored by The Commentator. The Houston lad who entered the home town beauty is Van Vandenberg.

Chris Not First Says Scientist

Baltimore, Oct. 12.—(AP)—It was not to a new world that Christopher Columbus sailed the ocean blue in 1492, a Johns Hopkins University geographer believes.

A well-beaten track between Asia and the Americas probably existed two or three thousand years before Columbus made his epic first voyage, Professor George F. Carter writes in the current issue of the "Southwestern Journal of Anthropology."

Americans pay tribute today to Columbus as America's discoverer.

Dr. Carter suggests the Asiatic peoples made contact with the western hemisphere sometime before 1,000 B.C.—perhaps as early as 2,000 B.C.

His theory is based on the fact that plants such as the sweet potato, cotton, Mexican poppy and certain weeds existed in America and Asia and some Pacific Islands long before "any written record of man's having traveled between the two points."

"Plants can't originate twice, the geographer holds. "The answer to this puzzle," Professor Carter concludes, "is that man did make such unrecorded ocean voyages—probably in elaborate, giant canoes."

"In addition to plants, ancient explorers from Asia could have brought to the new world such skills as hieroglyphic writing, metallurgy and weaving techniques."

"At about the time of Christ, the inhabitants of the old and new worlds were in frequent contact and were exchanging information freely."

Kramer Elected Vet Med President

Paul Kramer was elected president of the Sophomore Veterinary Medicine Students Club at a meeting held recently.

Other officers elected were Phil Cadenhead, vice-president; W. L. Anderson, secretary-treasurer; D. D. White, sergeant-at-arms; T. L. Benson, parliamentarian; Hayden Jenkins and Henry Melvis, council.

What's Cooking

All contributions to What's Cooking must be turned in to the Battalion by 5 p. m. of the day preceding desired publication. No items will be accepted after that time.

A&M RADIO CLUB: room 2-B Memorial Student Center, 7:30 p. m. Friday, Oct. 13.

ABILENE HOME TOWN CLUB: Thursday, 7:30 p. m., Room 3B MSC.

AGGIE SQUARES: Friday, 8 p. m., Parish House. Beginners come at 7:30.

AMARILLO A&M CLUB: Room 2-C Memorial Student Center, Thursday after yell practice. Election of officers will be held and Christmas dance will be discussed.

AUSTIN CLUB: Thursday, 7:30 p. m., Room 123 Academic Bldg.

BELL COUNTY CLUB: room 123 Academic Building, 7 p. m. Thursday. Special call meeting, all members requested to attend.

BRUSH COUNTRY CLUB: room 304 Academic Building. Thursday night after yell practice. Party plans.

COLLIN COUNTY A&M CLUB: Thursday, 7:30 p. m., Room 303 Goodwin Hall.

COOKE COUNTY CLUB: room 127 Academic Building, 7:30 p. m., Oct. 12. Elections of officers and discussion of plans for Christmas dance.

DALLAS HOME TOWN CLUB: Thursday, 7:30 p. m., YMCA Chapel.

DEL RIO A&M CLUB: Thursday, 7:15 p. m., Reading Room, YMCA.

EAST TEXAS CLUB: Cabinet room YMCA, 7:30 p. m. Thursday Oct. 12.

ECONOMICS CLUB: Thursday, after yell practice, Room 3D in MSC.

PORT WORTH CLUB: Thursday, after yell practice, Lecture Room Science Hall. Election of officers.

GALLERY COMMITTEE: Art Room Memorial Student Center, 7:15 p. m. Thursday. Business Meeting Weekly schedule for art instruction Monday 2 to 5 p. m., Monday 7 to 10 p. m., and Thursday from 7 to 10 p. m.

KNIGHTS OF COLUMBUS: Thursday, 8 p. m., St. Mary's Chapel.

LAMAR-FANNIN COUNTY CLUB: Thursday, 7:30 p. m., Room 301 Goodwin Hall.

MAN, E WIVES CLUB: Thursday, 8 p. m., South Solarium YMCA.

MATAGORDA COUNTY CLUB: room 301 Goodwin Hall after yell practice Thursday. Organizational meeting.

MIDLAND-ODESSA CLUB: Thursday, after yell practice, Room 3C MSC. Election of officers.

ROBERTSON COUNTY CLUB: Goodwin Hall, Thursday, Oct. 12 at 7:30 p. m.

SAN ANGELO CLUB: meets to-night after yell practice, in Agricultural Building. Refreshments, cigars and regular good bull.

SHREVEPORT A&M CLUB: Thursday, 7:15 p. m., Room 106 Academic Bldg.

STEPHEN F. AUSTIN CHAPTER OF THE HOUSTON A&M CLUB: Thursday, after yell practice, Room 104 Academic Bldg.

TYLER CLUB: Thursday, after yell practice, 1st floor Academic Bldg. Election of Officers.

WICHITA FALLS A&M CLUB: room 3-A Memorial Student Center, Thursday after yell practice. Election of officers and Christmas dance will be discussed. All persons from North Central Texas are invited to attend.

WILLIAMSON COUNTY A&M CLUB: room 105 Academic Building, 7:30 p. m. Thursday.

WEATHERFORD A&M CLUB: Rotunda of Academic Building (room will be named there) Monday Oct. 16, 7:30 p. m. Officers will be elected.

Official Notice

The second installment of fees is payable on or before October 15. The payment consists of \$40.80 for board, \$11.35 for room rent and \$3.65 for laundry, making a total of \$55.80.

W. H. Holzman, Comptroller.

DEPARTMENT OF PHYSICS

A few posts for physics laboratory student assistants for the present semester are still open. Men who have completed sophomore physics courses with superior records are wanted to assist with laboratory instruction various morning and afternoon periods throughout the week. The compensation is \$50 per hour for new assistants and 70 per hour for experienced assistants.

Applicants are invited to register at the office of the department at their earliest convenience.

J. G. Potter, Head, Dept. of Physics.

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and register. We want to get acquainted with you and have you see

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CHECK THESE AWARDS

Dinner for Two 2 Tickets to Theatre	Shampoo—Set Manicure and a Lovely Corsage
Wash & Grease Job 10 Gallons of Gas	1 Round Trip via Pioneer Airlines to Texas State Fair in Dallas

ANY OF THE ABOVE AWARDS WILL BE GOOD AT THE WINNERS' CHOICE OF BUSINESS CONCERNS

Specials for Friday & Saturday - Oct. 13th & 14th

Week-end Features

3 lb. Carton
Crustene 69c

Folger's
Coffee lb. 82c

Diamond Std.—No. 2
Tomatoes 4-39c

Sugar 5 lbs. 43c

Niblets—12-Oz.
Whole Kernel Corn . . . 15c

Diamond—No. 2
Spinach 2 for 25c

Kimbell's—No. 2—In Chili Gravy
Tamales 23c

Pillsbury's—14 1/2-Oz.
Hot Roll Mix 24c

Kimbell's
Meal 5 lbs. 32c

Morton's Salt 9c

Powder or
Brown Sugar 2 for 23c

Tomato Puree 6 cans 19c

Tea Garden
Apple Juice Qt. 25c

Tea Garden
Grape Juice Qt. 37c

MEATS

Full Dressed Home Grown
Fryers lb. 49c

Heart of Texas—Full Dressed
Fryers lb. 57c

Swift Premium
Bacon lb. 63c

Armstrong's Famous
Bacon lb. 53c

Stew Meat lb. 44c

Chuck Roast lb. 64c

Pork Loin
End Roast lb. 45c

Pork Chops lb. 49c

Home Made
Pork Sausage lb. 53c

Armour's
Picnic Hams lb. 37c

Kay
Cheddar Cheese lb. 49c

FROZEN FOODS

Minute Maid—6 Oz.
Orange Juice ea. 19c

Birds Eye—12-Oz.
Baby Lima Beans 33c

Birds Eye—12-Oz.
Green Peas 23c

PRODUCE

Texas
Oranges 5 lb. bag 29c

Delicious Washington—Fancy Red
Apples 2 lbs. 27c

U.S. No. 1 Pascal
Celery 2 stalks 23c

Cauliflower Each 23c

1 Lb. Cellophane Ctn.—Eatmore
Cranberries 23c

SUNDRIES

Cameo—54 Gauge, 15 Denier
Nylon Hose Pair 98c

Hanes Sanforized
Shorts Each 75c

Rubbing Alcohol Pt. 10c

Pine o' Pine—4-Oz.
Disinfectant 17c

50c Bottle
Woodbury's Shampoo . 29c

Fitch's Ideal—50c Bottle
Hair Tonic 35c

COULTER DRIVE AT HIWAY 6

The Shopping Center

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BRIGHT GOLD OR SHINING SILVER FOR HIM OR HER AND YOUR FRIENDS AWAY FROM TEXAS

FOR HIM: TEXAS MAP COMPACTS, BRILLIANT NECKLACES

FOR HER: TEXAS MAP COMPACTS, BRILLIANT NECKLACES

The Exchange Store

"Serving Texas Aggies"

Battalion CLASSIFIED ADS

Page 6 THURSDAY, OCTOBER 12, 1950

SELL WITH A BATTALION CLASSIFIED AD. Rates . . . 3c a word per insertion with a 25c minimum. Space rate in Classified Section . . . 60c per column inch. Send all classified with remittance to the Student Activities Office. All ads should be turned in by 10:00 a.m. of the day before publication.

FOR SALE

CHEVROLET, 1941 Deluxe Sedan. Heater, new paint and seat covers, reasonable. 4-B Law.

6" ALL-PORCELAIN Refrigerator, call 4-4774 after 5 p.m.

COCKER SPANIEL PUPPIES, litter registered. Roy E. Carr, across from A. & M. Horticulture Farm.

1937 FORD 4-door—Radio, heater, new clutch—\$200.00. 6-1854.

FULL "V" BOTTOM plywood boat, 12 ft., 7 1/2 H.P. Mercury Motor. See Jim Juice, Apt. B-11-X, College View.

1941 FORD COUPE, Good condition, good paint job, new tires. \$305.00. See at Sinclair Station, College Station.

FOR RENT

NICELY FURNISHED 2 bedroom and bath apartment, garage. 2-7665.

2-BEDROOM HOUSE, unfurnished. Ideal location near College. Shade trees. 604 Jersey, College Hills. Ph. 4-9699.

WANTED TO BUY

SENIOR BOOTS, size 7 1/2 D, with 15" calves. See A. H. White,