

Aerial Photos Aid in Solving Highway Problems

Los Angeles —(U.P.)— Knotty problems in freeway and highway construction can now be solved quickly and inexpensively by an aerial photography-electronic computation system, according to Bendix Aviation Computer Division Corp., officials.

The G-15 General Purpose computer was produced by Bendix and was demonstrated recently with a photo-mapping operation used by the engineering firm of Lockwood, Kessler & Bartlett, of Syosset, Long Island.

The new system, combining the two operations, utilizes four basic steps.

1—Aerial photographs of a proposed highway route or "strips" are made with corrections in the plane's flight.

2—The photographs are matched to provide a true location and elevation of every terrain feature common to them. This is first established by ground control points.

3—Drawings of a three-dimensional "stereopticon" contour map are made so vertical, horizontal and depth measurements can be taken along the route.

4—The necessary measurement data is taken from the contour map and fed into the computer which translates the data into precise engineering information such as the location and size of each earth cut and fill within any specific section of the route.

At that point, the section of highway is ready for staking and bulldozing. Earth-moving equipment can then begin operations on the pattern provided by the computer's answer.

This is a major portion of field surveying and can now be eliminated by the new camera-computer technique.

With the new system, authorities say a time-saving of as much as 30 to 1 is achieved and a cost saving of 15 to 1 is realized.

More than 500 express trains are now operated on British railways, 150 more than before World War II.

Muwatallis Actually Won Kadesh Battle 2,352 Years Ago, Archaeologists Reveal

By DELOS SMITH
United Press Science Editor

New York — (U.P.) — Because news remains until everyone knows about it, it is news that the real victor in the battle of Kadesh, which settled the fate of much of the known world for generations, was not the mighty pharaoh, Ramses II, but a fellow of whom only a handful of scientists ever heard — and they only recently.

Since the battle of Kadesh was fought 2,352 years ago, this news goes to show that although truth will always out, it sometimes takes a long time. Ramses and his bootlicking historians have had the wool over our eyes from that day until the present age.

Not only was the victor a present-day unknown — he was the smart and brave king of a people and of a world power which also got lost for almost 3,000 years in the incessant shuffling of generations of human beings. The people were the Hittites, their nation was Hattusas. The victor at Kadesh was King Muwatallis.

Their resurrection from the grave of thousands of years is one of the least known and more fascinating triumphs of modern science — the science of archaeology which has dug out their long-buried cities and now, after generations of fruitless trying, has succeeded in deciphering their writings which were carved into stone and clay.

New Book Tells of Work

C. W. Ceram, which is the pen-name of a well known German archaeologist, has put their work together in a book "The Secret Of The Hittites," which reveals what was going on in Asia Minor, the "cradle of civilization," thousands of years before Christ was born.

What these scientists have dug up is knowledge that was unknown to the so-called "ancient" Greeks and Romans and in the days of Christ. In their days, the Hittites were already so very ancient that they were both forgotten and obliterated. The way science has figured it out, the Hittite kingdom came into being around 1900 B.C. or 3,856 years ago.

So when Muwatallis came to

the throne in 1308 B.C., he presided over a very old people who had become one of the three great powers of the then known world. The others were Egypt and Babylonia. For a long time there had been much trouble along Egypt's Asia Minor border.

Army Moves Out

Ramses set forth at the head of an army of some 20,000 to put down a people he deemed to notice only as a "rebellious tribe."

Muwatallis at the head of an army of equal strength (and such armies were enormous then) was encamped at Kadesh in the southwest corner of Asia Minor, and operating over 300 miles from his capital.

The armies clashed. Ramses proved to be an amateur and a fool. He was encircled and barely avoided capture. The Egyptians were routed. But wise Muwatallis imposed a peace treaty which endured for generations. Ramses went home and boasted of a stupendous victory. The news was carved into stone — scholars have believed it ever since. But now science has dug out and read the Hittite side which clearly is truth.

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Shy Marie Dionne Kept Busy Signing Cards in Little Montreal Flower Shop

By BERT L. MARSH

Montreal — (U.P.) — The motherly-looking woman wearing a convention badge hustled into the florist shop, selected a few condolence and greeting cards and went up to a small blonde attendant.

"Say, you speak English?" the woman asked. The shopgirl nodded.

"Well, I came up here all the way from Kentucky," the woman said. "Where's Marie? I want her to sign these cards. Just sign 'em, that's all. She needn't write anything else..."

The blonde let out an audible sigh, took the cards and walked back past the glass-doored flower refrigerators to a rear room. She was back shortly with the cards on which was scrawled "Marie D."

The visitor beamed, cooed her thanks and left. She was one of the hundreds who come every day to the shop opened last month by Marie Dionne—not to buy anything but just out of curiosity about the famous quintuplets.

Marie's shop does fairly well on regular orders but the unending flow of sightseers is such that the first quint to try her hand at business remains almost constantly in the seclusion of the back room.

The shop is called "Salone Emilie, Fleuriste." The name is in memory of Emilie Dionne, who died in 1954. On the pastel blue walls are an oil painting of Emilie in a blue dress and another five by seven foot portrait of the quintas when they were two years old.

All the Girls Busy
The remaining four girls, now 22, all live in the Montreal area. Marie has a two-bedroom apartment. Yvonne and Cecile are nurses in training at l'Esperance hospital where they live in most of the time. Annette is studying music under nuns at a college at Nicolet not far from here.

Marie reluctantly received this reporter. She was asked what she and her sisters do for entertainment. She shuffled from one foot to the other, smoothed her long, brown skirt and plain white blouse and said: "Well, we get together at the apartment. Sometimes we go to

the movies. We try to pick the times when there won't be a lot of people staring at us, although we don't mind that now, really.

"Now and then we eat out. But we never go nightclubbing because we don't drink and we never seem to want to go to a club."

The girls no longer dress alike. When they go shopping, they do so separately so they will not draw crowds.

So far as is known none of them has any romances. Yvonne, the most attractive of the girls, was reported about a year ago to have become engaged to a Montreal boy. Papa Dionne immediately called a press conference at their Callander birthplace to deny the reports.

Resented Actions
The quintas were said to have resented their father's action, not because there was any engagement in prospect but because they want him to let them mind their own affairs.

Dionne has never come to Montreal to see their apartment or to visit the flower shop.

The man they lean most to for advice is L. M. Edwards, an executive of a trust company which handles the more than \$1,000,000 in gilt-edged securities which the girls came into at 21. Edwards and his wife occasionally have the girls out for dinner or an evening drive.

"I think they are gradually coming out of their shell," he says.

"They probably still feel strange, but who wouldn't feel a little out of place after a lifetime of being the focal point of everyone's eyes?"

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