

NEVADA STATE MINING NEWS

ELECTRIC 'GADGET FINDS' LIKELY SPOT FOD WATER

Reno Nev.—Science is taking the place of the fabled willow wand to locate water in its underground recesses.

University of Nevada scientists under the direction of Dr. Frederick Lee, federal geophysicist, already have used the intricacies of science to construct a small black box which can tell its operator where the precious fluid is to be found beneath the earth's surface.

At the present time the crew is located in White Pine county under the direction of Ted Overton, who was placed in charge when Dr. Lee left for Washington to obtain more equipment.

Measures Currents

The black box contains an intricate arrangement of coils and other machinery. The machine measures the ground currents and resistance. By indicating on its dials the electrical activity in the ground, the device shows whether those searching for water are near sand, gravel or clay. Where there is gravel there is probably water.

Dr. Lee invented the machine. Already it has located water in the drought stricken Lovelock valley.

The water locator, it is explained, does not find water, but gravel which, together with water, has a high electrical resistance. When the machine approaches a gravel bed its dials vacillate rapidly.

To operate the machine, it is placed on the ground. Two angle irons with post connections at specified distances, and porous pots containing copper sulphate solution, are set near the black box.

Resistance Means Gravel

Wires are connected to the angle irons and the porous pots and to the instruments. The electric current frequency which is found in the earth is then picked up by the instruments. When the dials on the instrument shows a high resistance is nearby, then the operators know a gravel bed has been located. The electrical current in the earth can be measured by the machine to any depth.

The water location work being carried on in Nevada is part of the federal drouth relief program, and in accordance with the provisions of the Taylor Act, one of the purposes of which is to find water on the public domain.

NEW STRIKE NEAR TONOPAH, NEVADA, SHIPPING GRADE

TONOPAH—Tom Clark and co-workers are steadily developing the New Deal property, located by Clark shortly after the first of the year, two miles west of Tonopah's main street, and are now getting out a car of ore for shipment to a Utah smelter. A glory hole is being put down on the big vein and is now 14 feet deep and many feet across. Only three rounds of shot were necessary to break practically a full car of ore.

According to assays made of the ore, Clark said, it will run from \$20 to \$25 in gold and will yield a good profit shipped to a smelter. The ore will be shipped pending completion of work at the West End mill which is being remodeled and altered. Kraut flotation cells are to be added and it is hoped to have at least one unit of the mill in operation by Aug. 15.—Denver Miner.

NEVADA MINER HAS STRUCK RICH MINE

GOLDFIELD, Nev.—A flutter of excitement developed in Goldfield a few days ago when Pat Burke, well known mining man, received assay returns on samples taken from a claim on which he had the previous day secured a lease option. The assay sheet gave returns of 3700 ounces silver and \$100 gold to the ton.

The claim from which the astonishing returns were made is located about three or four miles south of

Goldpoint and is on property belonging to the Roberts estate.

Like some of the stories that make their periodic rounds, the ledge from which Burke took samples is said to lie in a road over which hundreds, perhaps thousands of people have traveled during the past 30 years.

The entire district surrounding Goldpoint, formerly known as Hornsilver, is mineralized and several companies are taking out profitable ore at this time, among them being the Ohio Mines Corporation, Nevada Gold and a number of

smaller operations.—Denver Miner.

all kinds of printing

LAS VEGAS AGE

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In The WEEK'S NEWS



WAR THREAT IN EUROPE—Riots and civil war followed the Nazi uprising in Austria, with war rumors shaking all Europe. Photo shows a detachment of Austrian troops which took part in the drive to stamp out Nazi disturbances around Styria.



REUNITED AGAIN—Separated during his vacation trip to the Hawaiian Islands, Mrs. Roosevelt met the President on his arrival at Portland. Photo shows Mrs. Roosevelt driving her own car on her way to the reunion.

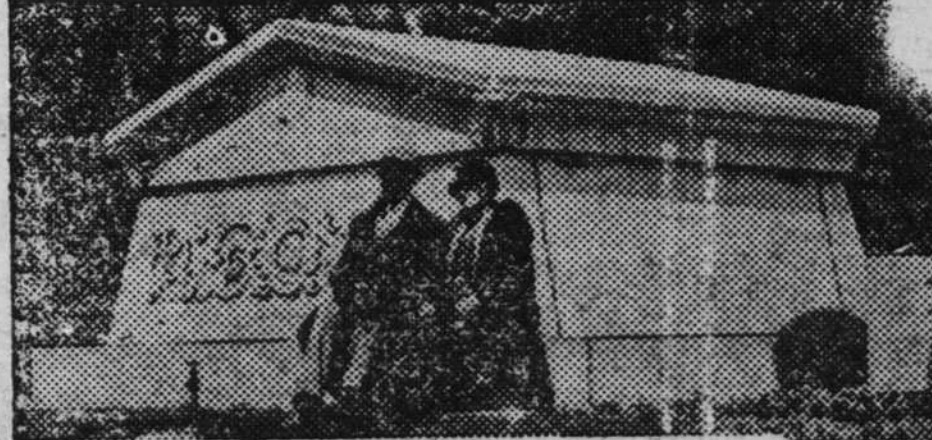


MIDGET TACKLES GIANT BOTTLE—The midget and the giant got their bottles mixed recently when they went on a little beer drinking tour. Vance Swift, America's smallest man who stands 27 inches, obtained the aid of Christine Willard, Spanish dancer, when he tackled the big bottle. Capt. Gilbert Relchert, 8-foot Clevelander, expected to see the midget drown under the giant bottle which is part of the glass container exhibit at the Owens-Illinois glass block building at the World's Fair in Chicago.

MOST FAMOUS FICTION CHARACTER—Scattergood Baines, created by Clarence Buddington Kelland several years ago for a series of short stories has become the most popular character in American fiction, here of 100 tales of homely heart appeal and humor. Now for the first time Kelland has put Scattergood into a full-length novel, running in the American Magazine as a serial "The Closed Room."



MAY WIN SCHOLARSHIP—William S. McLean, secretary of the Fisher Body Craftsman's Guild, supervises the unpacking of the first miniature Napoleonic coach to be submitted for judging in the competition for which 24 university scholarships worth \$51,000 will be awarded. Boys from all over the country build the coaches.



COSTLIEST DOG GRAVE—Thirteen thousand dollars was the cost of this mausoleum for two dogs, the most expensive dog grave in the world. It is located in the unique Hartsdale (N. Y.) Canine Cemetery, set aside for tombs of pet animals.



TAILORED PRINT FOR FORMAL FROCK—Once no one would have thought of wearing a tailored print dress after dark, but now it's quite the thing, according to Constance Cummings, noted picture star. Her latest evening gown is fashioned of black and white pin-check silk. A snappy little box jacket completes the evening ensemble.

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