

Natural Gas Crowds Other Fuels; Piped Vast Distances to Plants

WASHINGTON (AP)—A new competitor to the fuels that turn the wheels of American industry is beginning to find its way to the doorsteps of the country's factories. It is natural gas.

Five years ago, a pipe line 100 miles long was considered an achievement. Today, there are several 500 miles in length, and one spanning 900 miles from the gas fields of the Texas Panhandle to the teeming industrial district of Chicago is contemplated.

The discovery of new sources of supply for natural gas, and new uses for it, at a time when the necessary capital and engineering ability were available to build the lines are the reasons for the sudden development in delivering the fuel, says G. R. Hopkins of the United States bureau of mines. He predicts continued expansion.

Twenty-four states now produce natural gas in commercial quantities. There is a great concentration in Ohio, West Virginia and Pennsylvania, where the fuel has been used by industry and households for years, but the fields of potential development lie in the southwest, where the fuel is taken out of the ground both as "dry gas" and as a by-product of oil wells.

The Monroe field in Louisiana, where oil is not produced; the Texas Panhandle, and the Lea, New Mexico field, are three of the largest gas reserves. A pipe line from the Monroe field to Atlanta has been constructed at a cost of between \$15,000,000 and \$25,000,000.

The amount of gas recoverable in the Panhandle, Hopkins says, is estimated at between 4,000 and 8,000 billion cubic feet in the Mon-

roe field, 2,200 billion cubic feet. The Lea field is deemed capable of supplying El Paso and vicinity for 35 years.

Natural gas consumed in 1928, including that piped to Canada and Mexico, was valued at \$363,725,000 and totalled about 700 billion cubic feet. These are the last figures compiled.

Hopkins sees natural gas competing with coal, coke, wood, manufactured gas, electricity and oil in the industrial field.

SCULPTORS WERE GALLANT TO WOMEN OF OLD EGYPT

CHICAGO (AP)—Sculptors of ancient Egypt were kind to their women subjects.

Women always were represented in the prime of beauty, regardless of advancing age or expanding hips, according to Dr. T. George Allen, Egyptologist of the Field museum here.

Only the men were represented in statues as they appeared in real life, he says.

SENTENCED TO PRISON

PORTLAND, June 4 (AP)—Charles H. Wilke, for 23 years a railway mail clerk, was Tuesday sentenced to thirteen months at McNeil Island when he pleaded guilty in federal court to a charge of mail thefts while employed on the Portland-Ashtland run.

250 TO LEARN GLIDING

SOUTH WELFLEET, Mass. (AP)—Two hundred and fifty students have enrolled for a 10-day course in gliding which opens here June 1. Instruction will be given in the Cape Cod glider school.

MAY DOCK LINERS NEAR MT. VERNON

Spain-to-American Dirigibles May Find Rest on Washington's Farm.

By Oscar Leiding
(Associated Press Aviation Editor)
WASHINGTON (AP)—Sky liners bridging the Atlantic in commercial service may base on ancestral homelands of George Washington.

Hybla valley, table-smooth region of which part was cultivated and planted with trees by Washington as a Virginia gentleman farmer, is the site favored by Dr. Hugo Eckener for the American terminal of the proposed trans-oceanic dirigible line.

The historic spot, edged with wind-breaking hills and flanked on one side by a house built in pre-revolutionary times by George Mason, colonial political leader, is nearly midway between Mount Vernon and Alexandria and 10 miles from Washington.

Selection of the site would link the oldest and newest experiments in America with lighter-than-air craft.

One hundred and thirty-seven years ago Washington signed a passport for the French aeronaut, Blanchard, and witnessed his balloon ascension in Philadelphia, the first flight in the western hemisphere.

Dr. Eckener expects that the "super first-class" trans-oceanic service will be inaugurated before the end of next year, plying between Seville, Spain, and a port near Washington.

The entire Chesapeake bay region was toured by the skipper and

Commander J. C. Hunsacker, vice-president of the International transport line and former navy expert who directed the building of the ill-fated Shenandoah, for locating the American terminus.

Counterparts of the monster navy dirigibles under construction in Akron will be built in America. It is proposed, to supplement the Graf and a larger ship begun in Germany.

While passenger fares will be double steamer rates, steamer time will be cut in half, according to Commander Hunsacker who said: "We may go eastward in two days from port to port and westward in three days."

NAVAL PLANES CAPTURE MANILA MARINE BANDIT

MANILA (AP)—Emaning down thieves is the latest occupation of naval aircraft.

A ship stolen from a Manila civilian was located 20 miles away by a plane from the Jason. A second plane was sent out and the pilot placed on board.

The thief jumped overboard to swim to the beach, but was overcome by the exertion and rescued by the plane.

PLANE PARADE COSTLY

NOBOLK, Va. (AP)—In their visit to cities of the eastern seaboard, 140 planes of the battle fleet aircraft squadrons used 42,500 gallons of gasoline and 1,700 gallons of oil. It was the greatest air parade ever assembled on the Atlantic coast and covered 1,200 miles.

BOY ACCIDENTALLY KILLED

KLAAMATH FALLS, Ore. (AP)—Jack Harding, 11, was shot and killed by Frederick Williams, 16, while the two boys were playing with a shotgun. Officials said the shooting was accidental.

SPEEDS GROWTH OF VEGETABLES

Plants Grow at Breakneck Speed When Radio Pushes Seeds, Claim.

ZERLENDORF, Germany (AP)—Speeding up growth of plants and improving taste and texture of table vegetables is the latest accomplishment claimed for radio. Growth has been expedited 200 per cent by treating seeds with short radio waves of 1 1/2 millimeter before planting, according to Dr. Fritz Hildebrand, German biologist and physicist.

It was found, he says, that the seeds of plants bearing fruit above the ground, such as tomatoes, required shorter wave lengths to hasten their growth than the seeds of plants with fruit within the soil, as radishes.

Tomatoes, cabbage, radishes, kohlrabi and melons, the seeds of which had been subjected to this process, were found to grow about three times as quickly as ordinarily.

To make sure of the success of these experiments, Dr. Hildebrand told the Associated Press, the treated seeds were placed in the poorest kind of soil unimproved by fertilizers of any kind.

The flavor of the vegetables is also improved by this treatment. They are sweeter and their watery ingredients diminished, he said.

These results are attained by subjecting the seeds before planting to short waves of high frequency—generated according to a special theory of Dr. Hildebrand for which he has applied for a patent—which are possessed of a great energy and capable of ma-

terially raising the vitality of all living cells.

Dr. Hildebrand also says he has succeeded by the same process in hatching out eggs in 10 days instead of the normal 21 days, and he declares the same procedure can be applied to advantage in medicine, as for instance, for the improvement of hardening of the arteries and perhaps cancer.

To Increase Output Of Fish Hatcheries

PORTLAND, Ore., June 4 (AP)—Matt L. Iyckman, state superintendent of fish hatcheries, said here that a state wide hatchery improvement would be inaugurated in which he hoped to increase the output and efficiency of the 23 hatcheries in the state. The superintendent said it was as economical to triple the output of the hatcheries as it was to operate at capacity.

NOW WOMAN OUTDOES LEOPARD IN SPOTS

PARIS (AP)—The well-dressed woman puts one over on the leopard this summer for she changes her spots nearly every time she changes her costume.

With midsummer styles showing even more spots than the spring collection did, it is no longer a question whether women will wear spots but what variety of spots they will wear.

Everything from printed chiffons for evening to suiting materials for advance autumn reflects the spot and dot vogue.

Plans are being laid by residents of southwestern Kansas to plant 1,000,000 trees in an effort to convert part of the plains country to woods.

CONFEDERATE VETERANS ARE IN CONVENTION

BLOOM, Miss., June 4 (AP)—Honored by the sons of those who fought with them and against them, the last survivors of the armies of the confederacy assembled Tuesday near the plantation of their commander in chief, Jefferson Davis.

In attendance for the formal opening last night of the fortieth annual reunion of the United Confederate veterans were both John Ashley Jones, of Atlanta, commander of the sons of Confederate veterans, and his guest, Joseph C. Gazeau of Rochester, N. Y., commander of the sons of Union veterans.

The United States marine band was dispatched from Washington by a special dispensation of the government, but the veterans found as much pleasure perhaps in word that the Clarksville, Ark. boys band, a popular musical organization at past reunions, was enroute here.

The grand parade will be held on Friday.

BALLOT TITLE UPHELD

SALEM, Ore., June 4 (AP)—Attorney General Van Winkle's ballot title, prepared for initiative petitions for the state grange's water and power utility district bill, was Tuesday upheld by the state supreme court.

The ballot title was challenged in a court action by L. B. Smith, of Portland, who alleged that it did not properly state the contents of the bill.

Denmark imports its tobacco products. It smokes British cigarettes, German cigars and Dutch pipe tobacco.

TULSA PEOPLE GIVE AIRPORT TO THE CITY

TULSA, Okla. (AP)—After providing this city with a needed airport and developing it into a profitable enterprise, Tulsa business men will turn over the field to the municipality.

How well they succeeded in their effort to give Tulsa a prominent place in aviation is shown by the fact that the number of passengers handled at the airport in March exceeded the combined February totals of Europe's three leading airports at London, Paris and Berlin.

The Tulsa field, cleared 2,200 passengers in March, nearly 3,000 more than the number handled by Croydon, LeBourget and Tempelhof ports in the previous month.

When the need for an adequate airport became apparent two years ago following announcement that airmail service had been obtained for Tulsa, the group of business leaders formed the Tulsa Airport corporation, realising the opportunity to make the city an aviation center might be lost if the building of an airport had to await the voting of bonds.

The corporation bought 46 acres of land near Dawson, northwest of the city, and built the present airport.

Would Explain Grid Games

AUSTIN, Tex. (AP)—The University of Texas is considering a proposal to install a system of amplifiers in its stadium in an effort to stimulate interest in football games. The equipment would consist of a series of loud speakers with a portable transmitter on the field permitting an announcer to report the game by walking up and down the sidelines.

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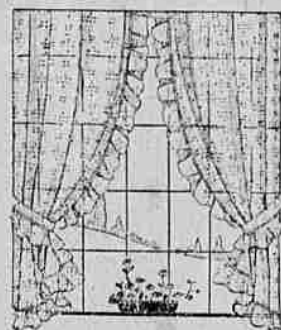
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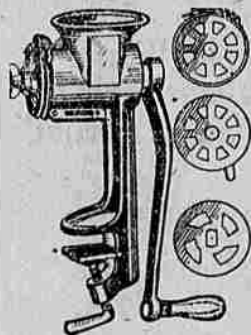
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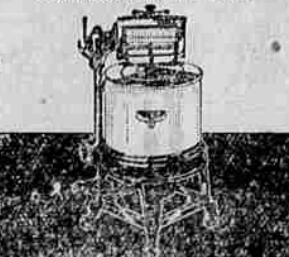
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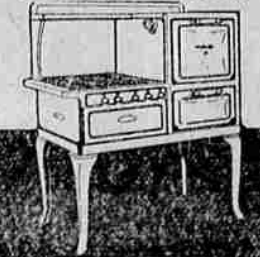
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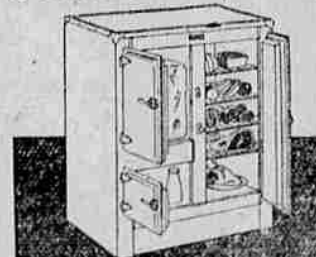
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