

Illinois Valley News

An independent newspaper devoted to the development of the richest valley in the world, the Illinois Valley and its surrounding districts

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M. C. Athey - - - - - Editor

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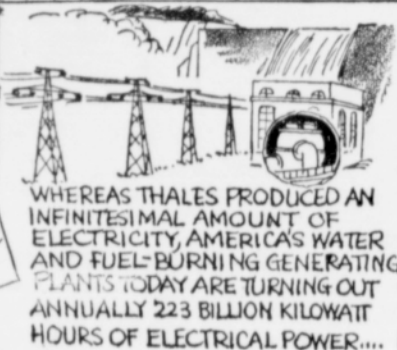
THALES OF MILETUS

(624-548 B.C.)

ONE OF THE SEVEN WISE MEN OF ANCIENT GREECE—HE RUBBED AMBER AND DISCOVERED A MYSTERIOUS FORCE THAT ATTRACTED FEATHERS—PAPER-CLOTH—ETC.—IT WAS ELECTRICITY....



THE FIRST PRACTICAL ELECTRIC LIGHT WAS PRODUCED BY ELECTRIC ARC IN ABOUT 1875



WHEREAS THALES PRODUCED AN INFINITESIMAL AMOUNT OF ELECTRICITY, AMERICA'S WATER AND FUEL-BURNING GENERATING PLANTS TODAY ARE TURNING OUT ANNUALLY 223 BILLION KILOWATT HOURS OF ELECTRICAL POWER....

COPPER TUBING SAID BEST FOR PUMPS

The increase use of copper tube with solder fittings for pump installations in wells has resulted in numerous requests for this information.

The well known corrosion-resistance of copper tube makes it an ideal material for such applications. Copper tube provide many years of satisfactory service. Results of a recent survey conducted by an association revealed that copper tube for water supply lines is permitted in over 97 per cent of the cities replying. (The survey was sent to 1080 cities with populations exceeding 10,000 and replies were received from over 900 cities).

Copper tube is almost universally specified for plumbing lines even in low-cost house construction. Copper tube is also widely

used for railroad air brake lines and other high pressure piping in marine engines and notably on modern submarines.

Pipe lines for carrying water are subject to many forms of attack, not only by waters which are aggressive in their action, but by external conditions. Waters may be aggressive for a number of reasons, the principal ones being the presence of entrained or dissolved oxygen, carbon dioxide, or both. Generally, the softer the water, the greater is its tendency to corrode metal. Waters which are very aggressive will attack practically all metals, in some cases even copper. When such waters are encountered, the accepted remedy is a water treatment.

For most waters, copper offers an extremely high resistance to corrosion. Best evidence to support this statement is the remarkable growth in the use of copper tube for plumbing and heating lines in this country during the past 20 years, and the reports regarding its use show that the results in this service are highly satisfactory. There will never be a reduced rate of flow due to clogged pipes, or discolored water resulting from rust. Rust particles can cause considerable trouble in a pump system, and for this reason alone copper tube should be used.

The resistance of copper tube to damage from causes other than corrosion is an important factor in its selection. Ground settlement, expansion and contraction, and vibration of units to which it is connected, are all working to produce unfavorable conditions. Copper tube readily stretches to accommodate small movements caused by settlement and it can adjust itself to any reasonable earth movement. Properly made soldered joints, developed especially for use with copper tube, are equally adaptable and will not pull apart. Soldered joints for copper tube have been found to be as strong, if not stronger, than the tube itself, as the result of long and exhaustive tests by the National Bureau of Standards.

Copper tube, when exposed to freezing, may offer considerable resistance to damage. Hard drawn tube, when it freezes, may burst much as iron pipe does, but soft or annealed copper tubes resist damage. Annealed tubes can stand freezing several times before bursting. Tests have shown that

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1-inch tubes have been frozen as many as eight times before they finally burst. There is no inflexible rule for determining the depth to which tube must be laid under ground to prevent freezing. The climate of the locality and the character of the soil are equally important.

LAGG OPENS BRANCH OFFICE IN GRANTS PASS

Geo. H. Flagg, Oregon Public Utilities Commissioner, recently announced the opening of a branch office in Grants Pass. R. S. Winter, field auditor, will be in charge. The new office is located at the intersection of highway 99 and 199, one block south of the Cave-man bridge in Grants Pass.

For the convenience of motor carriers in Josephine county, Winter will hold office hours on Monday and Wednesday mornings, and all day on Fridays.

SHRINE TEAMS MEET COACHES IN PRACTICE

Sixty-six youthful football enthusiasts, chosen as the best of the graduating seniors from Portland and Oregon high schools, are hard at work in "daily double" practice sessions for their game at Portland's Multnomah Stadium Saturday night, August 28.

The alumni of the prep ranks represent the Oregon All-Stars and Portland All-Stars, who will clash in the first annual Shriner's Hospital game. Game time is set for 8:30 p.m. with colorful pre-game ceremonies slated to start half an hour earlier.

All Stars Move

Even though stars often are referred to as "fixed," to distinguish them from the planets, which move so rapidly that their motion is evident in a few nights, all stars move. As a result of the motions of the stars, the constellation figures are not permanent, although many thousands of years will pass before configurations such as the Great Dipper or Orion will look noticeably different.

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OWL PHARMACY

Grants Pass

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Rogue River Sales Co.
On Redwood Highway
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Phone 2023 Grants Pass
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Grants Pass

Job Printing . . .

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Illinois Valley News

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ATTENTION!

Get your tickets NOW for the great

Shriners' Hospital All Star Football Game

Multnomah Stadium,
Portland, Saturday,
August 28, 8:30 P. M.

All Proceeds to Shriners' Hospital for Crippled Children, Portland Unit, Portland All Stars vs. State All Stars, plus

PARADES MUSIC
DRILL TEAMS BANDS
PAGEANTRY COLOR

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