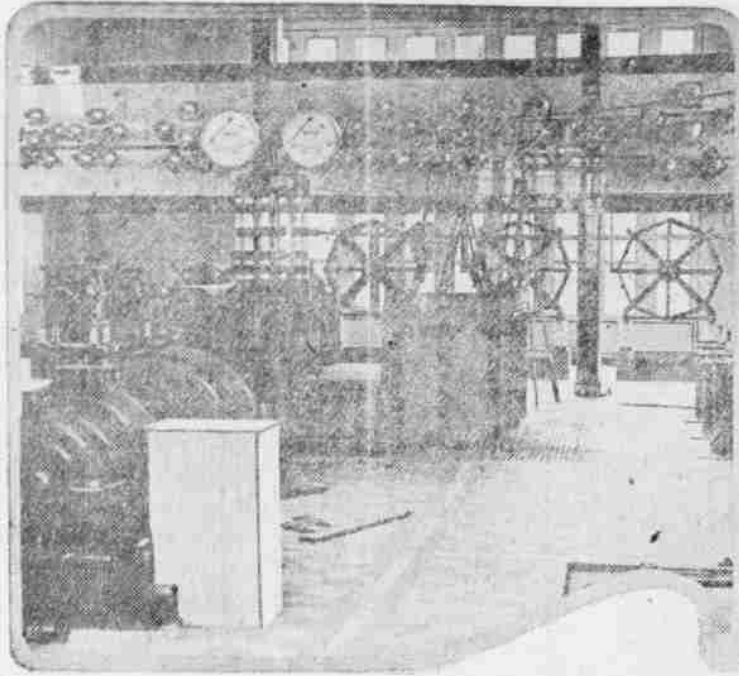


Great German Wireless Station



The German government's wireless station at Nauen was opened with elaborate ceremonies recently. The station is the largest in the world, and has power to send messages nearly half way round the globe. The photograph shows one of the power generating rooms.

Spines of Porcupine.

The spines of a porcupine, in the usual position, lie nearly flat, with their points directed backward, but when the animal is excited they are capable of being raised. The quills are loosely inserted in the skin and may, on being violently shaken, become detached, a circumstance which probably gave rise to the purely fabulous statement that the animal possesses the power of actually ejecting its quills like arrows or darts at an enemy.

Pronunciation of Z.

The pronunciation of the letter Z as zee is an Americanism. The English pronunciation is zed, from the Old French zede, which in turn is derived from the Latin zeta, the name of the sixth letter of the Greek alphabet, corresponding to the English zed. Shakespeare in King Lear, act II, scene 2, gives the English pronunciation, which is still in vogue: "Zed! thou unnecessary letter."

Gasoline as an Insecticide.

It is stated upon the authority of no less learned a body than the bureau of biological survey that all insects obtain their oxygen supplies through small holes in their bodies. When such an oily substance as gasoline comes into contact with the pests the sources of their oxygen supply are closed, and, lacking breath, they naturally die in a short time.

Philippine Forests.

The forests of the Philippines afford the greatest variety of wood in the world. Some of the hard woods are unexcelled for beauty and durability and a big trade is developing in exporting the timber to the United States.

Egyptian Mummy Cloth.

The extraordinary durability of the ancient Egyptian mummy cloth is believed to be due to the fact that it was finished with a vegetable glue derived from the African locust-bean tree.

JEWELS USED IN WATCHES

Hard Substance is Needed to Withstand the Constant Friction Which Wears Away Moving Parts.

The principal reason for the deterioration of any piece of machinery is because the constant friction wears away the moving parts and interferes with the regularity of the mechanism. A watch, being a machine in which absolute uniformity of speed is essential, it is necessary to reduce this friction to a minimum—either through constant oiling, the use of ball bearings or some very hard material which will withstand the wear and tear of constant friction. The first two of these methods are not feasible in so small a piece of machinery as a watch, so certain very hard jewels are placed at various points to counteract the rubbing caused by the moving parts.

Watches are generally equipped with 7, 15, 17, 18, 21 or 23 jewels, the 15 and 17-jewel types being the most popular. Intrinsicly, the jewels used in the manufacture of watches are of little value, but from the standpoint of service and the specific purpose which they serve they are invaluable. The jewels usually used in watchmaking are the hardest of the precious stones, diamonds, sapphires and rubies, and of these the most generally used is the sapphire, which combines hardness with comparatively reasonable price.

POWER IN RADIUM WATCH

Owner of Radiolite Timepiece is Also Possessor of Vast Power Plant.

The possessor of a radiolite watch or one having a radium dial by which the time can be detected at night, is also the possessor of a vast power plant of no mean proportions, according to a writer in the Electrical Experimenter. There is sufficient radium on your watch to haul your train home if it could be properly applied, says this author.

As the matter stands, the innocent-looking radium dial does not seem to possess any extraordinary amount of concentrated energy, but this is only apparently the case, and not actually so, for the reason that while the amount of activity manifested by the radium paint on the dial is small, this effect will keep up for 2,500 years, provided the zinc sulphide, with which the radium is mixed so as to produce a glow, holds out that long. The zinc sulphide in most cases gives out in about eight to ten years.

Now, if we could but find a way to make the radium release all its energy in a few hours, instead of spending it over 2,500 years, it would not be difficult to make a motor that would utilize this energy.

Seeing Through Other's Eyes.

We all have our natural tendency toward a bias of one sort or another. When we see through other's eyes we also add their bias to our own. There is a possibility that one bias will counteract the other. If so it is well. It is also possible that one bias will add very greatly to another. Then what an unfair verdict you must render. Poor judgment is sure to follow and shame will lay at your door before you dream it possible. Yet most of us are to more or less extent guilty of the habit. It's so easy to take our start from where others leave off. We are compromised to the extent that we lean on their judgments. It isn't fair and often leads to sorrow.

Don't make too much fun of the other fellow's glasses. He may be badly biased, but then you have no means of knowing how you look in his eyes. We are all more or less influenced by our heredity and environment. So the wise thing is to get all the facts possible before we pass judgment.

Unique Moccasins.

Peaves of the Passamaquoddy Indians at the Pleasant Point (Me.) reservation do a thriving business among summer visitors by the sale of moccasins made from the feet of seals. Seals are prolific in Passamaquoddy bay. The Indians kill many of them each year. The hides are tanned and used for various purposes and the feet are worked up into footwear both for their own use and for commerce. The fact that there is always a claw, or nail, left for each of the five toes makes these articles of footwear unique and gives them an appeal to the tourists who visit the reservation.

Virtues of Bare Feet.

Ever was reputedly barefoot, and Nautica played ball all the better because she went unshod. Helen of Troy at the most wore sandals, and the sandal is the compromise between the shoeless and the shod. It is easier to make sandals than to make boots. In Ireland and Scotland the children have run barefoot for many a day, and the wit of the one and the enterprise of the other show that there is nothing really demoralizing in going without shoes and stockings.—London Chronicle.

A Slight Omission.

Bertie—Good heavens! What a slight you are!
Reggie—Just as I was leaving the house to come to the club my wife pulled me with flowers.
"But that doesn't account for your brilliant and brilliant appearance."
"No, you see, she forgot to take them out of the pot!"—From the Birmingham Post.

Frosty Mornings Mean Cold Fingers

Better take a slant at our window display of Canton Flannel and Jersey Work and Driving Gloves before the frost becomes more severe. Something there to meet every cold finger need.

Canton Flannel Gloves

- MEN'S HEAVY35c
- MEN'S REVERSIBLE30c
- LADIES SIZE20c
- LEATHER FACED (Very Serviceable).....65c
- LEATHER FACED GAUNTLET60c

Jersey Gloves

- MEN'S HEAVY JERSEY50c
- MEN'S LIGHT JERSEY25c
- BOYS' HEAVY JERSEY40c

Phelps Grocery Co.

A Real County Newspaper

THE province of a local county newspaper is to give, as nearly as possible, all the news of the county in which it is published every week. To render such service to its subscribers it is necessary to maintain a corps of correspondents in all parts of the county. This is the plan followed by

HEPPNER HERALD

and the steadily growing circulation of this newspaper in Morrow county is the best evidence that the plan is a success. Take a look at page 5 of any issue of the HERALD and see for yourself if the above statement is not true. If you want ALL THE COUNTY NEWS every week in the year

You Want The Herald

The price is \$2.00 a year, \$1.00 for 6 months and you have to subscribe for the Herald to get it. The HERALD is forced on nobody. We want only willing subscribers who want the paper because they like to read it and who are willing to pay for it because they think it is worth the price charged. If you are not now a subscriber or if your subscription has expired we will appreciate your check and order. Thank you.

Heppner Herald

S. A. Pattison, Publisher, Heppner, Oregon

Juvenile Wisdom.

The essays of school children frequently impart very curious information. One boy wrote, "Sugar is made from linen rags." Another, "To keep milk from turning sour you should leave it in the cow." A third youngster, "To make butter we must heat up some eggs in some milk and set it in the sun. When the eggs come to the top, skim it off."

First Use of Glorious Banner.

On June 14, 1777, the continental congress passed a resolution adopting our original flag. John Paul Jones claimed to have been the first to raise the new flag over a naval vessel, and probably the first use of the Stars and Stripes on land was at Fort Stanwix, where a hastily improvised banner was raised on August 3, 1777.

Snakes' Power Over Birds.

The bureau of biological survey states that snakes do not charm birds in the understood sense of the word "charm." The instinctive fear that a bird or small animal, such as a rabbit, has for a snake paralyzes the muscles of the bird or animal and prevents its escaping from the snake.

Thanatopsis.

The word is of Greek derivation and means "view of death." As used in Bryant's poem it might be interpreted as "a meditation on the subject of death."

CHURCH NOTICES

The First Christian Church.
The usual services of the Church will be held on Sunday, consisting of the Bible School at ten o'clock, followed by Communion Service and Preaching at eleven o'clock. The evening Services will consist of the Christian Endeavor Service at seven o'clock and song Service and Preaching at eight o'clock. Everyone is cordially invited to attend these services.
W. O. Livingstone, Minister.

Christian Science
Christian Science services are held every Sunday morning at 11:00 o'clock in I. O. O. F. hall. Sunday School at 9:45 a. m. Testimony meetings are held every Wednesday evening at 8:00 o'clock at the home of Mrs. Eugene Stearns. All interested are cordially invited to attend these meetings.

LOOK!

Mr. Ford Owner

You can get your Ford overhauled at our shop at Ford schedule prices

Ford Garage Phone 193

Suits and Overcoats \$30 to \$75

We have without doubt the best values in

Fall and Winter Clothing

you can find in Morrow County. You will find our line the best-made for the money at prices ranging from \$30 to \$75

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Cleaning Pressing Dyeing Repairing

WE GET YOUR WORK OUT PROMPTLY