We Wish You All

A HAPPY AND PROSPEROUS NEW YEAR

JOHN BARTLEY

Chestertown, Maryland

We Wish All Our Patrons and Friend a Happy and Prosperous New Year

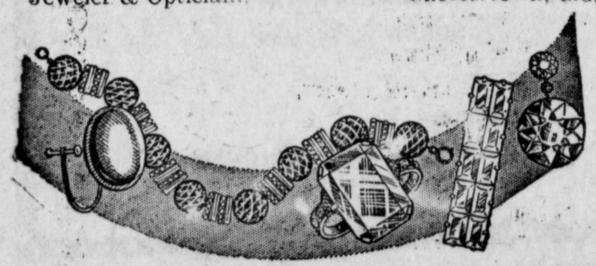
The years neither dim the lustre of the sparkling gems, nor obscure the sentiment that prompted the gift.

NOTE THE PRICES—

Diamond Rings, from	$15 to $400
Wrist Watches, from	$7.50 to $50
Kodaks	$5 to $25
Novelty Beads, from	50c to $5
Bracelets, from	50c to $50
Ear-Rings, from	50c to $10
Ronson Lighters	$5.00
Bar-Pins, from	75c to $50
Pendants, from	$2.50 to $20

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HOW

COAL AND PEAT DEPOSITS ARE FORMED BY NATURE.—It is generally agreed that coal is of plant origin and was formed in a manner similar to that in which peat is being formed today. A thorough study of peat from its inception to the more mature stages at its greatest depth becomes essential to the understanding of the constitution of coal and its formation.

With this objective a study was undertaken of the transformation of plant substances into peat and the composition of a deposit in profile from top to bottom with respect to its major components, their nature, their changes and their relations.

Peat formation is largely a problem of microbiology. The most important changes and eliminations during the transformation of plant substances into peat occur while the plant substances are still exposed to free access to air.

It has now been satisfactorily proved that bacteria exist in peat and are functioning to all depths of the deposit. A large number of inoculations have been made from the top to the bottom of several peat deposits and it is rare that cultures are not obtained.

These cultures are being propagated on wood in the form of sawdust and shavings, on cellulose and on other plant materials contained in flasks and bottles with proper mineral culture solutions. They are still active after seven to nineteen months. Available nitrogen is essential for their activities.

How Chief Executives Are Chosen by People

The manner of electing a President is established by the Constitution and the Twelfth amendment to the Constitution. It is an indirect method of expressing the will of the people of the various states, through electors chosen by the people of the states. There is no mention in the Constitution of "for the people by the people." The number of Presidential electors allotted to a state is the same as that state's total representation in both houses of congress; this in turn is partly dependent on the population of the state. New York state has the most, 45; next is Pennsylvania, 38; Illinois, 29; Ohio, 24; Texas, 20; Massachusetts and Missouri, each 18; Indiana and Michigan, each 15; Georgia and New Jersey, each 14; California, Iowa, Kentucky, Wisconsin, each 13; Alabama, Minnesota, North Carolina, Tennessee, Virginia, each 12; Kansas, Louisiana, Mississippi, Oklahoma, each 10; Arkansas, South Carolina, each 9; Maryland, Nebraska, West Virginia, each 8; Connecticut, Washington, each 7; Colorado, Florida, Maine, each 6; North Dakota, Oregon, Rhode Island, South Dakota, each 5; Idaho, Montana, New Hampshire, Utah, Vermont, each 4; Arizona, Delaware, Nevada, New Mexico, Wyoming, each 3.

How Town Kept Its Birds

An unusual form of municipal enterprise is to be seen in Campinas, a Brazilian town in the state of Sao Paulo.

Years ago the citizens found their market house inadequate to their increasing commerce. They did not wish to pull down the old building, in which thousands of swallows yearly made their nests. So they built a new market house, and converted the old one into a municipal birdhouse, which, they claim, keeps them more free of insect pests than any town in Brazil.

When the birds migrate in autumn, the citizens clean and repair the building and make all ready for next year's occupation.

How Hornets Build Nests

The paper out of which hornets build their nests is made of chewed-up bits of weathered wood gathered from old fences and buildings. As one author describes it: "'Round the swampy edges of ponds or in wet ditches wasps and hornets may be seen gathering tough herbaceous filaments, which they felt up into a texture stronger and better able to resist the wind and rain than a paper made of wood scrappings."

How Deaf Hear "Talkies"

The Volta bureau says: "A few theaters have installed hearing devices whereby talking movies are made audible to hard-of-hearing patrons. The plan is too new to be called entirely successful. At a recent demonstration in Cleveland, Ohio, the majority of the audience, made up of hard-of-hearing persons, heard perfectly, a smaller percentage heard fairly well, and a still smaller percentage was unable to understand intelligently."

HOW

FRIGHT ACTUALLY CAUSES HAIRS TO STAND ERECT.—Hair-raising by fright is a reality and not a mere figure of speech. Each hair on the bodies of mammals, including human beings, is equipped with a tiny muscle capable, when properly stimulated, of pulling the hair erect. These muscles are all connected with the sympathetic nervous system by means of nerve fibers and they can act simultaneously in response to a single stimulus. They are especially well developed on the backs of cats and certain other animals. When a cat is suddenly frightened or infuriated the hair on its back rises with an explosive-like rapidity. Perhaps this ability to make the hair stand on end was originally a protective feature in all animals, similar to the porcupine's ability to raise its quills for defense. Be that as it may, the hair muscles in the human race have been dormant so long that they will respond only to a severe fright or other extraordinary stimulus. These vestigial muscles with which the hairs are provided have been cited as corroborative evidence of man's evolution from lower animals.—Pathfinder Magazine.

How Word "Capital" and "Capitol" Should Apply

It is surprising how many people fail to distinguish between "capitol" and "capital" when used in relation to governments. According to American usage, a capitol is a building in which the legislative branch of a government holds its sessions; a capital is the seat of an entire government and the city where the capitol is located. Thus the United States capitol, where congress holds its sessions, is at Washington, D. C., which is the capital of the United States. Both words are derived from the Latin "caput," meaning head, or one of its forms. But "capitol," like French "capitole," is borrowed directly from "Capitolium," which was the name of the national temple in Rome dedicated to Jupiter. It was so called because it was at the head or top of Saturnian or Tarpeian hill. Apparently Gov. Francis Nicholson, who built a government building at Williamsburg, Va., in 1698, was the first to apply "capitol" to a statehouse in America. "Capital" as applied to the chief commercial or political city of a state or nation was originally an adjective used elliptically and meant "capital city."—Pathfinder Magazine.

How Britain Trains Migrants

Migration training centers in Great Britain to prepare young people for settlement in the Dominions have increased from three in 1922, with an annual capacity of a few hundred migrants to 15 at present, with an annual capacity of about 10,000. The aim of the centers is twofold—to test applicants and eliminate those who are unsuitable, and to provide elementary training for those who give promise of making desirable settlers.

The usual course includes the clearing of land and use of farm tools; care of stock; plowing and general cultivation, with care of horses and farm machinery; farm accounts, and English—New York Times.

How Much Steel Is Used

Iron Trades Review has been printing a series of articles on large uses of steel in small articles. Some of the figures are here shown: Bird cages, 300 tons annually; bolts and nuts, 750,000 tons; brushes in which the bristles are held between twisted wires, 3,000 tons; bill boards, 16,000 tons; book binders, 400 tons; electric bells, 8,000 tons; camp cots, 6,000 tons; eyeglass cases, 2,000 tons; license tags, 12,500 tons; hypodermic needles, 15 tons; paper clips, 1,200 tons; razor blades, 3,000 tons; telephones, 4,350 tons.

How Green Hay May Be Dried

Acting somewhat on the principle of a corn popper, a giant hay drier sheds and removes the moisture from hay in 40 seconds, during which the grass travels through 1,500 feet of pipe and is delivered in bags ready to be hauled to stores, says Popular Mechanics Magazine. Green hay is fed into the machine, cut into inch lengths and then blown through a series of insulated pipes where it is subjected to a temperature of 700 degrees.

How Army Tanks Are Tested

Traveling over rough ground at sixty-five miles an hour and going eighty miles over a smooth roadway, a highspeed tank, successor to the lumbering machines of the World war, recently was tried out by the United States army, says Popular Mechanics Magazine. Machine guns and anti-aircraft guns form part of the equipment of the speedy instrument of war.

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We are forced to place our business on a strictly thirty (30) day basis. Accounts are due on the 15th of each month. Kindly bear this in mind when purchases are made and be prepared to pay each month as this is the only way we can run our business under the present financial conditions.

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