



RADIO STATION IN ENGLAND LARGEST

Masts 820 Feet High and Aerial Mile and Half Long; Will Cover World

The new aerial for the radio station at Hillmorton, Warwickshire, England, reported to be the largest radio station in the world, will be a mile and a half long and half a mile wide, according to a report to the department of commerce from Consular Clerk Alfred Nutting, London.

The aerial will be supported by 12 masts weighing 300 tons and 820 feet high. Each mast will be fitted with an elevator capable of carrying four men. The sections of the masts are now in course of transport to Hill-

morton. They are only moved during the night and on Sundays when there is no other traffic because of their size.

It is expected that the station will be capable of communicating with any part of the world.

BIGGEST GAS METER AT EMPIRE EXHIBIT

Shown at Great Exposition in England and Is 12 Feet in Height

The largest gas meter is the world is on display at the British Empire exposition at London. It is 12 feet high and 13 feet deep. Sixteen-inch pipes feed the meter, which takes in 50,000 cubic feet an hour.

Thirteen miles of gas mains extend from the meter to supply service for many different processes from rivet-heating to candy-making.

On the exhibition grounds there are 54 restaurants in which all the cooking is done with gas. They consume 2,000,000 cubic feet a week, or enough to supply an average community of 20,000 persons.

The United States could support a population of nearly 300,000,000 with no greater relative dependence on other countries for food and raw material than we have today. A population of that size would, however, have to go on a very different standard of living than we now hold and the productivity of farm and forest land would have to be held at a much higher level than at present.

PAVEMENT POPPING DUE TO EXPANSION

OFTEN DAMAGE IS CAUSED

Usually Occurs in Rigid Roadways; Good Joints Should Be Provided; Results Then Better

From all over the country, since the beginning of the hot weather, come reports of street and highway pavements "blowing up" or "crushing." Pedestrians on cross-walks and tourists in automobiles along the country highways have had narrow escapes. There have been some casualties.

A "popping pavement" is a peculiar thing. It is a perfectly good pavement for all purposes until the instant it "pops," and it frequently gives no warning at all. Some of them have been known to "pop" immediately under an automobile, and with rather serious damage to the machine and injury to the occupants.

Mr. Will P. Blair of Cleveland, a member of the American Association of Engineers, a highway specialist and engineer for nearly fifty years and a prominent figure in highway research, in discussing this matter gives an explanation of "popping pavements" and a remedy. He says:

Explains Cause
"The 'blowing up' or 'crushing' of pavements is most prevalent among rigid types. Day after day during the hot season the pavement stores up heat from the sun. When moisture is present expansion follows with accumulated force. As long as this expansion is held in compression, well and good. When, however, it becomes too great to be held in compression, something has to give. Nature is irresistible and her forces are irresistible.

"We engineers for a long time have trifled with the presence of water in and underneath our pavements and thought rigid types could be made strong enough to resist the expansive force produced by heat and the swelling and heaving by extreme cold. We were trying to resist the forces of nature. That is, as we now know, foolish. For instance, in the case of brick or block pavements for a long time we used cement grout filler that bound the brick together into a rigid slab. This rigidity would have been all right had nature permitted or mother earth were made to remain stable and constant all of the time. The soil under a pavement either is swelling and raising due to the absorption of moisture or freezing, or it is a settling and shrinking due to drying out.

Blow-Up Results
"Under a hot sun the rigid pavement starts expanding, but it is a case of being 'all dressed up and no place to go' as Raymond Hitchcock used to sing in his stentorian tones. A blow-up often results.

"Today, engineers are overcoming this by using, in the case of brick or block pavements, a so-called 'soft' or bituminous filler. While permitting a hard wearing surface, this filler between the units permits the surface to expand and contract without the evils of cracking and blowing up. Then, too, such fillers water-proof the surface and keep surface water from seeping into the foundation and making it unstable."

As a parting comment, Mr. Blair voiced this admonition: "Remember, in building pavements, that nature fights rigidity."

EVERY BOY SCOUT TO BE SWIMMER

This Is the Slogan of Lads Who Have Been in Camp During the Summer

"Every boy scout a swimmer" is the slogan of the 250,000 boy Scouts who have been in camp this summer. The water safety campaign began early in the spring with special courses in instruction in boy scout camps, special pamphlets about water safety and very special enthusiasm on the part of the scouts. The campaign has been a great success.

The national camping department has issued specific safety standards. All swimmers are under careful supervision; the "water buddy system" which puts each beginner in charge of a trained swimmer is employed.

Boy Scout leaders plan to have two scout life-guards for every one of the scout troops and to install in every camp all recommended first aid and life saving equipment.

The scout motto "be prepared" is well exemplified in these precautions. The standards for swimming proficiency are of the highest. A veritable army of trained swimmers and life savers are turned out annually from boy scout camps. Over 13,000 boys qualified in 1923.

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BUSINESS VERSUS PLEASURE

Among our pleasures and excitements as American people is what is called "Politics." There are elements of sport, gambling, speculation and all the chances and ups and downs of a lottery or horse race. Politics for this reason has a fascination that amounts almost to a passion in the minds of thousands of good citizens. The conclusion of an exciting race at the primaries, nominating conventions and elections always sees a great deal of money change hands although betting on elections is strictly forbidden by law. The interests of a great nation of 110,000,000 people, with commerce running into hundreds of millions and billions, when we add manufacturing, transportation, agriculture, mining and public improvements, must in the final correct solution of problems become more and more a matter of business. The most serious question before our country is the relation of our government to foreign affairs, especially the restoration of fairly normal conditions in the late war-stricken nations of Europe. Morally, politically and economically, and above all to ourselves, we owe it to the world to aid in bringing this about as soon as possible. To keep American industries and payrolls on a steady foundation, to see that our farmers and producers have open access to the markets of the world for their surplus products, will take something more than the trickery of politics. It will take the application of the best brains and the soundest business principles, which is statesmanship far beyond party lines. We must forego the pleasure and excitement of old-fashioned politics and serve our country and the interests of all humanity.

TOLL OF CARELESSNESS

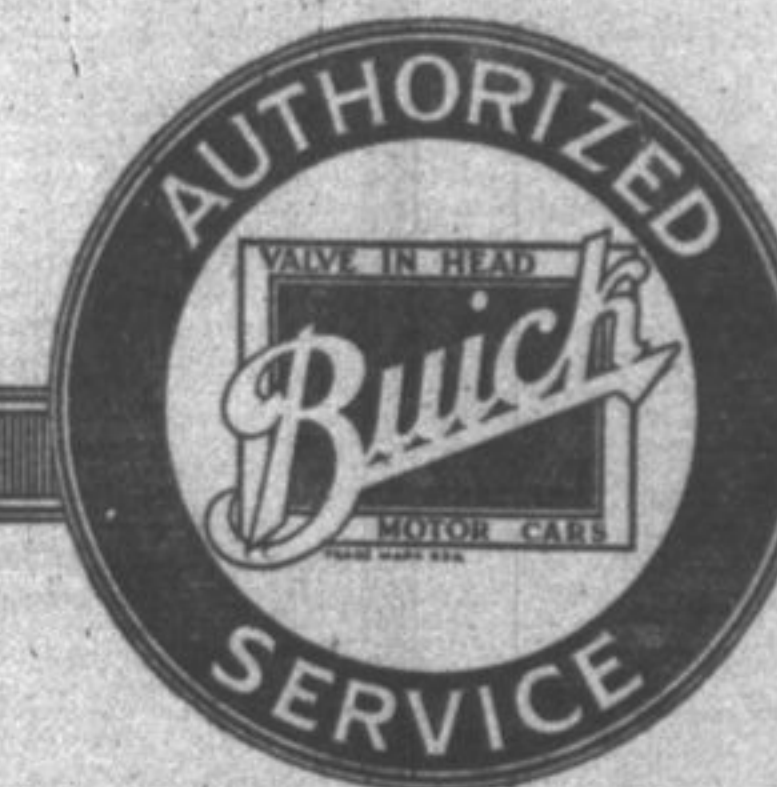
Figures recently compiled by the state of Oregon show that 93 per cent of its automobile wrecks are caused by carelessness. Of 9,131 accidents reported from January 1 to June 30, last, 5,457 are charged entirely to carelessness. Added to these may be included the following: speeding, 183; failure to give right of way, 1381; reckless driving, 260; cutting corners, 372; double at intersections, 155; driving while intoxicated, 123; failure to give signal, 290; driving on left side of street or highway, 64; improper parking, 79; reverse direction in middle of block, 40; passing to left of street cars while discharging passengers, 31; inexperience, 24; jockeying on bridges, 21; a total of 8480 accidents which might have been avoided, according to the report of the secretary of state, had the drivers been careful. It is probable that these Oregon figures would be a fair average for other states.

That too many automobile drivers "let the insurance company pay the bill" is responsible for many avoidable accidents. Let drivers remember that no insurance policy has yet been devised which will return the life of a person killed through an automobile driver's carelessness. Safety to life and property rests almost wholly in the hands of the automobile driver.

Which One Will Get Your Vote?



In conjunction with 1700 other newspapers in all parts of the United States, this newspaper is now conducting a presidential poll, so that supporters of each candidate may know how their respective candidates are running. Vote now on the sample ballot and mail or bring it to this newspaper office.



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REFRESHMENTS

Under Auspices of Moose Lodge, No. 446

In case of rain, a dance will be held at the Odd Fellows Hall on Laurel Avenue, where the automobile will be given away

As stated in the columns of The Press last week, owing to the sudden downpour of rain which continued throughout the afternoon of Sept. 1st, and spoiled the Moose Day Festival, a postponement of the program outlined for that day was made necessary, and continued over to the afternoon and evening of Saturday, Sept. 13th. The winner of the Ford Sedan will be announced that evening; and looking forward to the same large attendance that has patronized this effort in the past, we take this opportunity of thanking the public for their kind indulgence and consideration.