

Radio Tests Please Maxim

Declares Spanning of Atlantic Ocean by Amateurs Is Revolutionary.

SMALL APPARATUS IS USED

President of the League Foresees Nations Drawn Closer by Wireless Bonds—Amateurs Develop Super-skill.

New York.—The success of amateur wireless operators in this country and Canada in sending signals and messages to Scotland in the week's tests recently will be revolutionary in its effect on wireless communication, according to Percy Hiram Maxim, president of the American Radio Relay League, through which the tests were made. Amateurs had believed that some of them would crash through to the other side, but that many of them would do so night after night was almost more than they had hoped for.

Use Little Power.
The technical significance of the performance lies in the ability shown to make low-powered instruments do the work which in large commercial stations requires powerful apparatus. Less than one kilowatt was used by the amateurs in transmitting three signals over thousands of miles of land and sea—for some of those far in the interior of the country got across—whereas the large stations use from 100 to 200 kilowatts. In some weather that would not check the more powerful stations they would, of course, fail, but some of their work was done under conditions that were far from ideal.

That stations as far west as Ohio were able to reach Scotland, where Paul E. Godley, the official receiver for the league, was stationed, was due partly to the relation, not always realized, which Britain occupies to America. The general direction from points in this country is northeast, signals from New England pass over the maritime provinces of Canada, and those from Denver pass over Hudson bay. Mr. Godley expressed the belief that because of better refraction and reflection inland stations had as good a chance of getting over as North Atlantic stations. This proved to be the case.

Proved It Could Be Done.
"Our success is revolutionary in radio communication," says Mr. Maxim. "It had not been thought possible by experts that amateurs could span the ocean, and we have proved that it could be done. It means the coming of citizen communication between England and America, the coming of the day when the people of one country can talk to one another and discuss momentous affairs without the intermediary of public or governmental agencies. What this means for the development of understandings and harmonious relationship can be better imagined than described. It turns one's thoughts to the recent discussions by Mr. Wells in his story of the ideal relationships between the peoples of the world."

"It is only a matter of time when this wireless telegraph communication will be followed by telephonic communication, and when citizens of one country may talk with the citizens of another country without any check upon their freedom of speech."

"The great thing about this test is that it was done by amateurs; their money and confidence put it through. They have developed super-skill in operating and insensitiveness in apparatus. I think it will be a great surprise to all the wireless men of the world, from Marconi to the experts of the great private companies. The amateur's apparatus has been developed on the basis of love for his work; it is not the perfunctory, although skillful, performance of the hired employee."

The Radio league is divided into several divisions covering the entire country, and there are 20,000 amateur

MONUMENT TO RABELAIS



Monument by Villeneuve to Rabelais—who gave the world several million laughs and one good adjective—which will be dedicated soon at Montpellier in the presence of President Millerand of France.

stations operating in it. Each division has a manager, an assistant manager and district superintendents, who develop long distance lines of communication and allot hours for local and long distance transmission.

NEBRASKA IN BRIEF

Timely News Culled From All Parts of the State, Reduced for the Easy.

Five cases of a strange malady of a mild and not serious nature have been treated at the St. Francis hospital at Grand Island. They are called sporotrichosis and it is claimed that 123 cases in former German colonies in Africa and 73 cases in the United States comprise the number known to scientists to investigate a new disease, apparently blood or tissue, appearing among the settlers of her African colonies and these found that the disease started below the finger nails, due to a scratch or thorn, an infection being thus carried to the lymphatics where, in about six weeks, small nodules, similar to buckshot, became visible. All the five cases came from Greeley county and are attributed to contact with some dried vegetable matter.

While excavating for a building recently, Henry Kariger of Curtis uncovered a huge fossil on the farm of John Korte. An eminent zoologist of Denver said that the fossil was a mammoth and that from the size of the skull, teeth and other bones it was the largest ever found in America. The bones are in an excellent state of preservation, although it is estimated that it is 250,000 years since the mammoths roamed over this continent. Kariger has had several offers for the fossil, but has not yet decided what he shall do with them.

To run an 80-acre irrigated farm in the North Platte valley one year costs \$2,030, exclusive of any wage for the owner or his family, according to a committee of the North Platte Valley Water Users association. This cost was itemized as follows: Alfalfa seed, \$75; county taxes, \$225; water charges, \$400; seed potatoes, \$100; other seed, \$60; blacksmithing, \$25; repairing, \$150; insurance, \$20; upkeep and depreciation, \$500; feed for work stock, \$200; fuel, \$75.

Fire from matches in the vest pocket of Deputy State Fire Marshal Harry Hauser caused a near panic in the Lyric theatre at Lincoln. Wreathed in an aura of smoke, the deputy rushed outdoors and spanked out the blaze. His appearance reassured the crowd after several cries of fire. Hauser had just finished writing a bulletin advising the use of safety matches when he slipped some of the parlor variety in his pocket and went to the show, according to his chief.

Federal Judge Martin Wade of Iowa confirmed the purchase of the Wells-Abbott-Nierman plant at Schuyler, for \$300,000. The mill was bought by W. Dale Clark of the Omaha National bank, representative of the five largest creditors, on November 21. Confirmation of the purchase was held up, pending the report of Herbert Daniel, auditor, appointed by Federal Judge Woodruff to guard the interests of the small creditors.

Over 800 registered for the night school which just opened at North Platte, and requests have been made to hold registrations for a week longer. This is the largest night school in the United States in proportion to the population of the city. Dr. Hartley of Lincoln is directing the school and a corps of teachers have been selected from local persons.

Gustave Bahr, squawman, who killed Percy Steffel in Pierce because he claimed Steffel ruined his daughter, escaped from the state hospital at Norfolk. A search for Bahr is being made in the vicinity of Bloomfield, where Bahr has a ranch. Bahr was adjudged insane.

Gene Purdy, of Atkinson, topped the Omaha market again the other day. Mr. Purdy has the distinction of topping the hog market for four successive years, and has been raising the Duroc hogs for a number of years with remarkable success.

Guy Halverson, one of the oldest engineers on the Northwestern railroad, is dead at Norfolk. He was 70 and worked for the same road 50 years. He was pensioned on January 1, 1922, and eight days later he died.

Managers and directors of county fairs in Nebraska will meet in Lincoln January 16 and 17, to discuss programs for 1922. Secretary W. B. Smith of Lincoln announces.

In the Vocational school in Bellevue, Omaha's southern suburb, there are 150 disabled soldiers of the recent war taking training.

The members of St. Andrew's Catholic church of Tecumseh have decided to erect a new edifice, to cost not less than \$35,000 or \$40,000, windows and equipment not included.

The Scottsbluff board of education has called a special school bond election of \$300,000 for the purpose of building a new high school. At the same time the board began negotiations with William Frank for the purchase of 10 acres of land in the northwestern part of the city as a site for the proposed school. The election will be held in February.

Frank B. Knapp, head of the defunct Fidelity Trust Co., of Fremont, charged with attempts to cheat and defraud clients will be tried in the District Court of Dodge County.

The city of Sidney is starting the grading down of the hill north of the city to connect the city with the federal and state aid road coming from Gurley and Dalton. All unemployed men in the city are to be employed and it will be under the supervision of the city council. The estimated cost is about \$4,000 and the money expended will all remain in Sidney.

Lands Must Be Kept at Work

Chief of the Forest Service Issues Warning Against Depletion of Wood Supplies.

OUR TIMBER IS RUNNING OUT

More Than 80,000,000 Acres Denuded to Point of Absolute Idleness So Far as Production of Timber Is Concerned.

Portland, Ore.—Forest lands not needed for agriculture must be kept at work growing timber instead of being allowed to lie idle.

This warning was sounded by Col. W. B. Greeley, chief of the forest service, who stopped here en route to Washington, D. C., from Mather Field, Cal., where he attended the forest fire conference.

"If we are to remain a nation of wood-users we must become a nation of wood growers," declared Colonel Greeley, pointing out that the United States produces more than half of the entire lumber cut of the world, and uses 95 per cent of the amount "right here at home."

"The exhaustion of our timber sup-

ply is coming about," said the forest service chief, "not because we have used our forests freely, but because we have failed to use our timber-growing land. The problem in a nutshell is the enormous area of forest land, which has been so logged and burned that it is producing little or nothing. We have more than 80,000,000 acres, an area greater than all the forests of France, Belgium, Holland, Denmark, Germany, Switzerland, Spain and Portugal, which have been denuded to the point of absolute idleness so far as the production of any timber of commercial value is concerned."

"We have other enormous areas of cutover land now growing but a fraction of the amount of timber which they might produce. And we are adding to these areas of idle or largely idle land from 10,000,000 to 15,000,000 acres every year, as destructive logging and still more destructive logging progresses."

Sees Trouble Ahead.
"This situation cannot continue long without grave consequences."

"Where Americans need more forests is largely on these 80,000,000 timber-denuded acres which could be made productive again with proper attention and proper protection against fires."

Some of the reasons why these forests are needed, according to Colonel Greeley, are:

"Our manufacturing centers are drawing at an enormous rate upon our timber supply—from two to four times as fast per capita as the country at large."

"Our railroads require 125,000,000 wooden cross-ties annually to maintain their roadbeds in fit condition and take care of new construction."

"Our average well-kept farms, using the upper Mississippi valley as an instance, require 2,000 board feet of lumber annually for repairs and improvements."

X-Ray Solves Theft.

Casper, Wyo.—An X-ray examination of a woman's stomach solved a diamond ring mystery, according to County Attorney Purcell. Mrs. Eva Hammond, a prisoner in the county jail was placed in custody of a physician while county authorities considered what method to pursue in recovery of the ring. Mrs. Hammond was arrested after she attended a dance one night, following complaint charging her with theft of a diamond ring valued at \$1,200 last October. A tip from Mrs. Hammond's dancing partner led to the X-ray test.

Hossian, "Ghandi earns his living as a weaver. He works at his modest home, is a great reader and student."

"Ghandi believes the use of violence in any form is a mortal sin. Physical force he regards as the weapon, not of the strong, but of the weak."

"He thinks the most potent instrument for all purposes is 'soul force' and the power of self suffering, and does not permit himself an unkind thought, even toward his bitterest enemies."

Bank Robbed Often.

Shipshevana, Ind.—The Farmers' State bank here was robbed of \$15,000 in currency and Liberty bonds early the other day. The safe had been opened with the aid of an acetylene torch. Officials said the loss was covered by insurance. Local authorities believe three men who came here late in the day in an automobile committed the robbery. It was the ninth time the bank had been robbed in 20 years and the third time this year. Shipshevana is located ten miles west of Lagrange.

Garibaldi's Widow Beside His Tomb



Donna Francesco Garibaldi, widow of the great Italian hero, is shown standing by his tomb at Caprera, Sardinia. Donna Francesco is now seventy-nine years of age. She was Garibaldi's second wife.

BRITISH LOSE OVER A BILLION

Hit Hard by Strike and Boycott in India.

Ghandi, Boycott Leader, Considers Violence Moral Sin—His Punishment Would Set All India Aflame.

Washington.—How a slender, mild-mannered man of fifty-two, who believes violence of any kind a mortal sin, has caused the British government more trouble than any number of revolutionists, was described in an address to the National Popular Government league by Syud Hossian.

"The English government knows not what to do with this man, Mahatma Ghandi," said Hossian.

"If they imprison or execute him it will set India aflame. If they allow his non-violent, non-co-operative movement of boycotting British goods and everything British to proceed, it will

bankrupt them and overturn the 'strategic' center of empire in the Orient."

"This month is the first anniversary of the start of the boycott instituted by Ghandi, and it has already cut down English export trade to 25 per cent of its normal volume, resulting in a cash loss of not less than \$1,000,000,000."

"If the same success attends the refusal to pay taxes, which began last month, it will mean a loss of \$300,000,000 per year in revenue to the government, which means collapse. John Bull is being hit in his most vulnerable spot—his pocketbook."

Hossian described Ghandi as the most remarkable person he had ever met. He quoted Colonel Wedgwood, a member of parliament, as saying:

"Ghandi is the only man in the world whose name can be mentioned with that of Jesus Christ without blasphemy."

"Although a trained lawyer," said

GIRL HAD PAINFUL TIMES

Mothers—Read This Letter and Statement Which Follows



Portland, Indiana.—"I was troubled with irregularity and constipation and would often have to lie down because of pains. One Sunday my aunt was visiting us and she said her girls took Lydia E. Pinkham's Vegetable Compound and got well, so mother said she guessed she would let me try it. It is doing me good and I praise it highly. You are welcome to use this letter as a testimonial."

STELLA NEWTON, R. R. 3, Portland, Indiana.

Urban Ignorance.
"Ever go cheating?"
"No; what do you do, follow a worm?"—Boston Transcript.

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Take Tablets Without Fear, If You See the Safety "Bayer Cross."

If you want the true, world-famous Aspirin, as prescribed by physicians for over twenty-one years, you must ask for "Bayer Tablets of Aspirin."

The "Bayer Cross" is stamped on each tablet and appears on each package for your protection against imitations.—Advertisement.

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(Eastman Kodak Co.)
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A Compliment.
"What do you think of our city, Mr. Newcome?" asked the landlord of the tavern at Grudge, who was distended with local pride.

"Well," replied the guest, who was evidently of a pessimistic turn of mind, "it seems to me that the hogs wallowing in the puddles along Main street look as healthy and contented as any swine I have seen similarly occupied anywhere."—Kansas City Star.

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