

POWER FLASHES FAR

Wireless Electricity Controlled by Man to De Long-Distance Work.

MARCONI SYSTEM FAR SURPASSED

Earth Instead of Air Used to Transmit the Lightning Pulses.

TELEPHONING WITHOUT METALLIC CIRCUIT

Telegraphy Simplified; Light from Pressing Buttons.

TORPEDOES MANIPULATED MILES AWAY

Execution of Water Maneuvers Renders Useless Newest and Strongest Fortifications—Limitless Field of Strange Invention.

(Copyright, 1901, by Press Publishing Co.) LONDON, Oct. 19.—(New York World Cablegram—Special Telegram.)—Scientific London stands astounded, but deeply gratified, at the results of experiments with the new system of wireless telegraphy, as it may be called, although it is really much more than a mere transmission of telegraphic signals.

Sounds, as they are conveyed over the telephone circuits, are sent by this wonderful system and, of great further importance, electrical waves of high frequency are transmitted to distant points and does its work just as well as if it were carried by the ordinary metallic circuits.

Indeed, the new system, known as the Armory system, bears many points of superiority over that of Marconi, whom all honor as the pioneer—the Columbus of wireless communication. The invention is the joint work of Ariel Oring, a Swede, and J. T. Armstrong, an Englishman, who have been working without the glare of publicity's trumpet until they have finally perfected their remarkable ideas, making accurate facts of the theories.

The new invention does not use the air for transmission, as does that of Marconi. The electrical waves are sent through the ground, and one charm is the simplicity and cheapness of the electrical installation. There are no tall masts, as are used at present to hoist the sending and receiving points far into the air out of reach of interference. There can be no interference by the Armory system.

Interference Practically Impossible. Mr. Armstrong has discovered that he can vary the pitch of tone in which the radiations are sent, much after the fashion of the quadruplex and duplex systems in telegraphy, by which the electric currents are divided and pass each other on one wire without interference. There are 40,000 different tones, no one of which will conflict with another, as the chance of two tones of the same nature meeting and destroying one or both is reduced to one in 40,000.

Experiments were made yesterday at the home of Mr. Armstrong in Buckinghamshire. The conditions were of the worst, since a heavy rain had fallen for twenty-four hours and a thick fog enveloped everything. Nevertheless, the work was absolutely satisfactory to the experts invited to witness them.

The entire outfit for either end of the work was readily carried in the hands of one man. A set was taken out to a field and a spike anchored to each was stuck into the ground. The spikes were 1,500 feet apart.

The apparatus for telephoning differs from that for telegraphing, but each occupies a small compass. That for the transmission of power will fill grams or less space, according to the amount of power required, but in any case it is remarkably small.

WORRY OVER KING EDWARD

Possibility of Cancer Given Zeal to Study of an Alleged New Cure.

(Copyright, 1901, by Press Publishing Co.) LONDON, Oct. 19.—(New York World Cablegram—Special Telegram.)—King Edward's life prospect is a burning topic in society as well as in insurance circles. The newspapers here are usually referring indirectly to the subject by mentioning that Lloyd's have advanced the rate of premium on the king's life, which persons speculating in expenditure for the coronation are anxious to insure, from 10 to 12% and now 15 per cent. These dealings through Lloyd's indicate that ordinary insurance companies are shutting their doors on the king's life, of which over \$2,000,000 have been taken out the past month.

The king's friends insist that he is suffering only from an aggravated form of smoker's throat, complicated with gout. There are two points about his case which intensify the worry. One is his family history, for not only did the Empress Frederick, his sister, and the duke of Coburg, his brother, die of cancer, but also his grandmother, the duchess of Kent. The second is the king's own acute fear of this particular disease. His physicians hold it to be proved in many cases that dread of cancer is the first step toward its growth.

Especially in view of the king's illness is society greatly interested in the report that a comparatively unknown scientific man has discovered, almost by accident, a cure for cancer. The alleged discoverer has seen the king, but the details of his cure are kept secret. The only fact about it that is known is that it is worked by electricity. Several further experiments are to be made before the secret is disclosed and great efforts are directed toward preventing premature revelation.

A committee of London's leading surgeons is following the developments and subjecting the treatment to every possible test. The new system, known as the Armory system, bears many points of superiority over that of Marconi, whom all honor as the pioneer—the Columbus of wireless communication.

AMERICAN VOICE CAPTIVATES

Geraldine Farrar of Massachusetts Sings Marguerite to German's Satisfaction.

(Copyright, 1901, by Press Publishing Co.) BERLIN, Oct. 19.—(New York World Cablegram—Special Telegram.)—Geraldine Farrar, an American girl of 20, with a remarkable voice, has created a most favorable impression upon the musical world of Berlin by her singing of the role of Marguerite in the grand opera of "Faust" at the Royal opera house. The fact that she is permitted to sing the part in Italian shows that she had conquered the directors of the opera house, for the strongest rule has hitherto required that "Faust" should be sung in German.

Although Miss Farrar still has much to learn, her voice is fine, clear and supple, and the best judge of singing here thinks she will develop into one of great prominence. She is a native of Melrose, Mass., and had thorough musical training in Boston. When Melba was singing at the Boston theater with the Danmore company a few seasons ago, Miss Farrar obtained permission to sing before her and made such an impression that she was promptly engaged for the company at a salary of \$5,000 and put under Melba's training. From that time she advanced rapidly.

The most critic of the Berlin newspapers, who has been more than discriminating before her and made such an impression that she was promptly engaged for the company at a salary of \$5,000 and put under Melba's training. From that time she advanced rapidly.

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ROUND EIFFEL TOWER

Santos-Dumont Airship Makes Successful Trip at Dizzy Height.

MISSILES PRIZE BY LESS THAN MINUTE

Committee Sticks to Time Exaction of the Public's Protest.

MAY SOAR OVER AMERICA

Crossing Atlantic of ... Looks Easy If He Goes ...

THOUSANDS OF RIVALS SILENTLY WORK

Tremendous Effort May Bring Speedy Solution of Aerial Navigation Upon Entirely New and Unthought-Of Principles.

(Copyright, 1901, by Press Publishing Co.) PARIS, Oct. 19.—(New York World Cablegram—Special Telegram.)—To the Editor: I am glad to be able to inform you that I have today won the Deutsch prize, having succeeded in traveling from the Aero club grounds, near St. Cloud, to the Eiffel tower and back in twenty-nine minutes, instead of the thirty minutes allowed me under the rules of the competition.

According to the timekeepers for the committee, here are the exact timings of the voyage: The second start was made at 2:49 p. m. but my guide rope caught in a fence, and I therefore returned and requested the privilege of making another start. This was granted.

The second start was made at 2:49 p. m. The wind was blowing with me at the rate of about eight meters (twenty-six feet three inches) a second.

When the airship reached a point just above the river it suddenly caught in a circular current of wind and lurched violently to leeward. By quickly maneuvering the rudder and increasing the speed of the motor I was able to rectify the course almost immediately.

Then I crossed the Seine, I saw the bridges, the banks, the people, black in crowds, and heard wild cheers, blended in one vast clamor. I said to myself that this must be a sign, indicating that I was on time, but I did not really care to let anything about it.

When the park came in sight I shifted my sliding weight forward, causing a slanting plunge downward, as I did not want to arrive at a point too high. The airship obeyed the rudder so well that I was able to pass exactly in the middle of the grounds of the Aero club.

I went on board, because I expressly wished to show the committee my independence of its whimsical and arbitrary decree of a few weeks ago, when it was decided that I must not only pass over the starting point, but must land.

LIONS ANSWER THEIR NAMES

Woman in Evening Dress Carresses Them as Though They Were Domestic Cats.

UNCLE SAM PROBES

Through His Ministers and Consuls He Seeks Kidnaping Facts.

ZEALOUS WORK TO SAVE MISS STONE

Necessary to Place Responsibility Upon Foreign Government.

TURKEY AND BULGARIA SHIFT BLAME

Each Points His Thumb at Other as Guilty of the Crime.

MACEDONIAN COMMITTEE'S PART IN PLOT

When Truth is Fully Established the American Eagle Will Make the Fur Fly if Harm is Done the Missionaries.

(Copyright, 1901, by Press Publishing Co.) SOFIA, Bulgaria, Oct. 19.—(New York World Cablegram—Special Telegram.)—Acting upon instructions from St. Petersburg, the minister of the Russian government to Bulgaria, who has been in this city, has joined the American consul general at Constantinople, C. M. Dickinson, in presenting a memorial to the Bulgarian government to take such radical steps as will secure the release of Miss Stone from the brigands.

Mr. Dickinson has been here more than a week, under directions from Washington, and is doing splendid work in laying bare the facts relative to the capture of Miss Stone and her assistant missionary, Mme. Deschamps.

It is believed here that the Bulgarian government really wished to do so it could secure Miss Stone's surrender within twenty-four hours. It is a fact also that unless Russian pressure is applied the Bulgarian authorities will continue obstructing the fruit of negotiations.

Apparently the only independent chance for the rescue of the missionaries is through the efforts of Dr. Haskell, agent of the American Board of Foreign Missions of Boston, who is understood to be constantly in secret communication with the brigands.

One of Mr. Haskell's chief duties is to satisfy himself that the brigands are pursuing to come from the brigands are genuine. He has already detected several attempts to swindle him when a man presents himself Mr. Haskell insists that every measure will be induced by her.

ST. PETERSBURG, Oct. 19.—(Copyright, 1901, by Press Publishing Co.) Russia, has returned here from Berlin and is continuing his exertions in behalf of Miss Stone, the kidnaped American missionary. The Russian foreign office is showing sympathy and willingness to assist Mr. Tower.

Mr. Tower learned that the Bulgarians have cleared the frontier region, where the brigands are supposed to be hiding, of the population in order to surround the brigands more effectively.

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THE BEE BULLETIN.

Forecast for Nebraska—Fair Sunday and Monday; Light Variable Winds.

- 1 Triumphs of Wireless Electricity, Flying Machine Conquers at Last. Uncle Sam Will Place the Blame. Omaha High School ...

TEMPERATURE AT OMAHA YESTERDAY

Table with columns: Hour, Day, Hour, Day. Rows for 12 hours.

SATURDAY FOOT BALL SCORES.

- Yale, 22; Penn State, 0. Harvard, 9; West Point, 0. Columbia, 12; Hamilton, 0.

TEN BADLY HURT IN WRECK

Freight Train Collides with Passenger on Southwestern Railway Near Macon, Georgia.

MACON, Ga., Oct. 19.—A freight train collided with a passenger train on the Southwestern railway this afternoon at Wakota, four miles from Macon, and ten of the crew and passengers were seriously injured. Those seriously injured are: Mrs. Georgia Smith and three children of Smithville.

STONE'S CAMPAIGN IS OPENED

Dockery, Bryan and Clark Assist in Launching Former Governor's Senatorial Candidacy.

MACON, Mo., Oct. 19.—Ex-Governor William J. Stone's senatorial campaign was opened here today, with W. J. Bryan the principal speaker. Hundreds of people from the surrounding country had come to town for a great demonstration.

BOAT IS TWO BLOCKS LONG

Largest Vessel Ever Constructed in America Launched at Newport News Yards.

NEWPORT NEWS, Va., Oct. 19.—The Pacific Mail steamship Sibiria, the largest vessel ever constructed in America, was today successfully launched at the Newport News Ship Building company's yards.

BAD BLAZE AVERTED

Omaha Fire Department Proves Its Efficiency on Critical Occasion.

CHIEF AND MEN WIN PUBLIC PLAUDITS

Flames Got Lively Start Before Discovery in Wholesale District.

CLEVER WORK CONFINES TO ONE BUILDING

W. L. May Grocery and Great Western Type Foundry Suffer.

CROWD SWARMS TO SEE THE SPECTACLE

Excitement of Saturday Night Showers is Short-Lived, for Trained Organization Conquers Quickly Against Serious Odds.

What threatened to be a most disastrous conflagration, sweeping away thousands of dollars' worth of property, happily headed off last night by the prompt and efficient work of Chief Salter and his force of fire fighters.

The fire was discovered shortly after 9 o'clock on the fourth floor of the building at 1115 Howard street. Before the alarm was turned in the fire had evidently been feeding for some little time and a mistake in turning in the alarm still further delayed the arrival of the fire department.

By the time the first company was on the scene the fire had spread to the fifth floor of the May building and was rapidly working its way through both the W. L. May wholesale grocery and the Great Western type foundry. These concerns occupied the five-story brick building and were only divided by a wooden partition. Thanks to the good work of the fire department, although all five floors of the building were flooded with water, the fire did not get below the third floor and the total damage will hardly reach \$50,000, when it might easily have been ten times as much.

Other Property Saved. For a time it looked as though the Mercer Chemical company's building, which adjoins the type foundry on the east, and the building of the Carpenter Paper company, which is immediately west of the May company's store, were in imminent danger. By skillful work the flames were gotten under control and the adjoining buildings and stocks saved from damage other than that caused by smoke and water.

Large crowds of spectators were attracted from the busy streets by the ominous glow that lit up the sky, but the spectacle was extremely short-lived. Mayor Moore, who was personally on hand, expressed special gratitude to the fire department in Chief Salter and his associates handled the fire. When I. R. Carpenter, one of the proprietors of the Carpenter Paper company, whose establishment was kept unharmed, complimented Chief Salter, the mayor replied:

"I am glad to have you appreciate the fact that we have a fire chief who puts out fires. Salter has been putting out fires for many years, but never got the credit for it until he was made chief."

Sample of Brave Work. An act of conspicuous bravery was that performed by Captain John Coyle of engine No. 2, who had exposed to the fury of the flames at the top of the building, escape until his men could bring up a line of hose. The coat was burned from his back and it was only with the greatest difficulty that he was able to keep his place. The mayor, witnessing the incident and commending the captain for his bravery.

The only accident which occurred happened to Fireman Billy Croft of the same company. He was off on a furlough, but when the general alarm was sounded he rushed to the scene. While assisting in carrying a line of hose falling glass from one of the upper stories cut a deep gash on the back of his hand. He was removed in the patrol wagon to the police station, where City Physician Ralph dressed the wound, which is not serious.

The Great Western type foundry carried \$25,000 insurance and members of the firm estimate the value of the stock at \$37,000. The damage to the stock is supposed to be covered by the insurance. The electrotyping and stereotyping foundry were on the floors which were gutted and were badly damaged. The policies of the company were not accessible and it was impossible to ascertain what companies have the insurance.

Covered by Insurance. W. L. May & Co. had \$15,000 insurance and the value of their stock was variously estimated at from \$25,000 to \$30,000. W. L. May said after the fire that he believed that the company's loss is completely covered by insurance. Willow and woodenware and other highly inflammable material were stored on the top floor of the grocery company's store. The more valuable stock was stored on the lower floors and was only damaged by water and smoke.

Mrs. Guy Howard, daughter of J. M. Woolworth, is the owner of the damaged building. Insurance amounting to \$17,000 is carried on the building and is divided among the following companies: Hartford, New York Underwriters, Palatine, Phoenix, Orient and Maryland Casualty. The roof of the building was more than half destroyed. The two upper stories were completely gutted and considerable damage to the building was done by water. The basements of the burned buildings and the basements of adjoining buildings were badly flooded.

Origin is in Doubt. The origin of the fire is not known. W. L. May says that there had been no fire in his place and he thought it started from the foundry type metal furnace on the fourth floor.

The first alarm of the fire was sent from Twelfth and Farnam streets. This caused a delay, as the members of the department lost several minutes in locating the blaze after they had made the run down the Farnam street hill. As soon as Chief Salter located the fire he ordered a general alarm and soon had all the companies in the city on the scene. Four engines and the water tower and aerial truck were called into play. The board partitions and the highly inflammable nature of the goods stored in the upper stories of the building gave the flames great headway.