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A DUKE.

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OCHEFORT.

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LETTERS TO THE EDITOR

TESLA ON WIRELESS.

Electrical Inventor Thinks Marconi's Plants Inefficient.

To the Editor of The Tribune.

Sir: In so far as wireless art is concerned there is a vast difference between the great inventor Thomas A. Edison and myself, integrally in my favor. Mr. Edison knows little of the theory and practice of electrical vibrations; I have, in this special field, probably more experience than any of my contemporaries. That you are not as yet able to impart your wisdom by wireless telephone to some subscriber in any other part of the world, however remote, and that the presses of your valuable paper are not operated by wireless power is largely due to your own effort and those of some of your distinguished confreres of this city, and to the efficient assistance you have received from my celebrated colleagues, Thomas A. Edison and Michael I. Pupin, assistant consulting wireless engineers. But it was all welcome to me. Difficulty develops resource.

The transmission across the Atlantic was not made by any device of Mr. Marconi's, but by my system of wireless transmission of energy, and I have already given notice by cable to my friend Sir James DeWar and the royal institution of this fact. I shall also request some eminent man of science to take careful note of the whole apparatus, its mode of operation, dimensions, linear and electrical, all constants and qualitative performance, so as to make possible its exact reproduction and a repetition of the experiments. This request is entirely impersonal. I am a citizen of the United States, and I know that the time will come when my busy fellow citizens, too absorbed in commercial pursuits to think of posterity, will honor my memory. A measurement of the time interval taken in the passage of the signal necessary to the full and positive demonstration will show that the current crosses the ocean with a mean speed of 625,000 miles a second.

The Marconi plants are inefficient, and do not lend themselves to the practice of two discoveries of mine, the "art of individualization," that makes the message non-interfering and non-interferable, and the "stationary waves," which annihilate distance absolutely and make the whole earth equivalent to a conductor devoid of resistance. Were it not for this deficiency, the number of words a minute could be increased at will by "individualizing."

You have already commented upon this advance in terms which have caused me no small astonishment, in view of your normal attitude. The underlying principle is to combine a number of vibrations, preferably slightly displaced, to reduce further the danger of interference, active and passive, and to make the operation of the receiver dependent on the co-operative effect of a number of attuned elements. Just to illustrate what can be done, suppose that only four vibrations were isolated on each transmitter. Let those on one side be respectively a, b, c and d. Then the following individualized lines would be ab, ac, ad, bc, bd, cd, abc, abd, acd, bcd and abcd. The same article on the other side will give eleven similar combinations, and both together twenty-two lines, which can be simultaneously operated. To transmit one thousand words a minute, only forty-six words on each combination are necessary. If the plants were suitable, not ten years, as Edison thinks, but ten hours would be necessary to put this improvement into practice. To do this, Marconi will have to reconstruct the plants, and it will then be observed that the indefatigable Italian has departed from universal engineering customs for the fourth time. New York, Oct. 24, 1907. NIKOLA TESLA.

A TIME FOR SANITY.

Restoration of Confidence the Im-

FOR FOUNTAIN DESIGN.

S. P. C. A. Prize Goes to H. Van Buren Magonigle, Architect.

As the result of a competition designs by H. Van Buren Magonigle, the architect, for simple, serviceable drinking fountains for men, horses and dogs received the prize from the American Society for the Prevention of Cruelty to Animals and was subsequently approved by the Municipal Art Commission. Permission was granted by the commis-



FOUNTAIN ERECTED YESTERDAY AT BRYANT PARK. Fortieth street and Sixth avenue, by the American Society for the Prevention of Cruelty to Animals.

sion to have replicas erected at certain selected suitable points in the city already approved of by the Board of Aldermen.

The society yesterday, at a cost of about \$600, erected one of the fountains at Bryant Park, 40th street, just east of Sixth avenue. On one side of the bronze fountain, facing the street, is the horse bowl, and on the opposite side are the man and dog bowls.

The society has just erected a fountain of similar design in the Williamsburg plaza. It will be in operation next week. Another one of these fountains will soon be erected by the society at 71st street, Broadway and Amsterdam avenue. It has been paid for by Mrs. E. J. Post, of the Spencer Arms, and will bear this inscription:

"In loving memory of my husband, Elmer Jerome Post and my daughter, Amy Louise Hatfield Clark."

The society will soon place a fountain, designed by John S. Humphreys, at 107th street and Broadway, the gift of F. Augustus Schermerhorn, and another in Fourth avenue, in the rear of Grace Church, which will be the contribution of a parishioner.

Fountains designed by William Singer will be erected at Coenties Slip, the gift of Frank K. Sturges; at Rutgers Slip, the gift of an anonymous woman contributor, and in Battery Place, the gift of F. Augustus Schermerhorn.

KAISER'S GIFT RECEIVED.

Busts Presented to the United States Military Academy.

[By Telegram to The Tribune.] West Point, N. Y., Oct. 24.—All academic duty was suspended this afternoon in honor of the presentation to the academy by Emperor William of Germany of the busts of Frederick the Great and General Field Marshal Count von

SPOTT

Dr. W. H.

Dr. W. H. Health Depart of the serum : gitis, or spott good results f in their incipi lieved that a i This enemy c diseases can n gree of perfe made in this c results in the Vienna were i

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An informal to-night at th nent Atlantan be received by a speech at n afternoon and Men's Democ night.

MISS STRA

Equal Salary Board

The Interbu tion, which h salaries, apps to the action on Wednesd to prevent te Miss Grace the Constitu every one th for grievance