

willing to acknowledge his obligations to the experimentalists who preceded him and who each discovered a specific part of the machine whose response to his expectation enables him to announce himself as the discoverer of wireless telegraphy. Scientific men are careful to record their experiments and the wireless telegraphy evolution is a matter of history. The editor of Harper's Weekly says: "The existence of electric waves was predicted by Maxwell in 1864, and discovered by Hertz in 1887. Professor Branly of Paris discovered the delicate coherer. Professor Lodge of Liverpool rigged up the little tapper or decoherer, which makes it easy to spell out words on a tape, just as with an ordinary Morse instrument. The form of the sender or oscillator which Professor Marconi uses was devised by his countryman, Professor Righi. The idea of tuning two instruments to work in unison so that they will respond to no others, of which Marconi makes much, is again due to Professor Lodge, who gave the process its name, "syntonony." At the annual dinner of the Society of Engineers where Marconi was a guest he acknowledged his indebtedness to none of these inventors or discoverers, without whose aid his own compilation could not have been made. It is a worthy feat to combine the discoveries of other men. It is the part of justice to acknowledge the experiments which have made the final result possible. However, the very incentives lacking to the other electricians, who provided Marconi with the ideas and the machine for wireless telegraphy, have enabled him to succeed. He has a consuming desire for fame. He has sacrificed love to attain it and what chance has truth when love itself has been immolated?"

Even so fervent an admirer of Marconi as the magazine machinist and scientist, Mr. Ray Stannard Baker, admits that the coherer invented by M. Branly is the crux of the system, "without which there could be no wireless telegraphy. The "coherer" is a small tube of glass no bigger than a lead pencil and two inches long. It is filled with finely powdered grains of nickel and silver. The mixture is alternately a very good and a very bad conductor of electric waves. The nearly spent wave from England that floated against the wire in Newfoundland which was upheld by Marconi's kite was still "strong enough to draw the little particles of silver and nickel in the coherer together in a continuous metal path. As soon as the particles cohere they conduct the electricity perfectly, and a current from a nearby battery reinforces the wireless wave and causes it to print the dot or dash which the operator at the other side of the world has sent. Then a little tapper strikes against the side of the tube and the particles are jarred apart or "decohered," ready to be cohered again by the next wave containing the next letter of the message from across the sea.

CLUB NOTES

THE WEEK'S REVIEW

A large number of women gathered at Walsh hall Monday afternoon to listen to a program given by the current topics department of the Woman's Club. Mrs. W. M. Morning, leader of the department, had arranged a very interesting program relating to the education and training of women. Miss Talcott opened the program with a musical reading, "Comin' Thro' the Rye," which was effectively given. Mrs. Wessel's paper on "The History of the Education of Woman," traced the stages through which public opinion concerning the education of woman has passed, from the early ages, when it was not considered necessary that woman should be educated beyond the ability to know how much she must spin in order to buy potatoes for the family in case she were left a widow, until now when nearly all of the great educational institutions of the world admit women upon an equal footing with men. Dr. May Flanigan read a paper of great interest on "Emotionalism in Women." Dr. Flanigan said in substance that girls are born with the same natures which boys bring into the world, but that their early training develops greater emotionalism, and their subsequent life fosters and develops it. Dr. Flanigan's unphonious voice, and perfect poise, together with the thoughts advanced, held the undivided attention of her listeners. Mrs. Paul Clark talked of "Women and Religion." Women do not owe their present high position entirely to religion, but because of their position they owe much to religion and humanity. A parliamentary drill conducted by Mrs. Plummer preceded the program. Mrs. Field, chairman of the nominating committee, requested the ladies to write their first and second choice for president of the club on ballots provided for the purpose, as an aid to the committee in choosing a suitable person for this important office. The president announced that a series of addresses would be given by competent persons before the history department, and urged club members to hear them. The first was given Thursday afternoon by Mr. G. M. Lambertson, on "Alexander Hamilton."

The music department of the Woman's club met Wednesday afternoon. Miss Katherine Bixby read a paper on the sonata form. Miss Bixby spoke of the origin of the sonata and its development step by step, and named and described the different movements and keys of which it is composed. She mentioned style and depth and how the sonata is regarded from a musical standpoint. The musical numbers presented were Piano: Andante and Var-

iations in F Minor—Haydn, Miss Winifred Howell. Piano: Sonata D Major—Haydn, Miss Addie Strickler. Piano: First and last movement from Sonata in C minor, opus 10, No. 1.—Beethoven, Miss Margaret Whedon. All of these numbers were greatly appreciated by those present.

Sorosis had an unusually pleasant meeting at the home of Mrs. W. Q. Bell on Tuesday. A beautiful musical program was presented. The numbers were: Trio, Foote; Miss Ensign, Miss Eiche, Miss Haywood.

"To a Wild Rose," McDowell, "The Shepherd's Pole," Nevin; Miss Edith Burlingim.

"The Legend," Wieniawski; Miss Ensign.

"To Spring," Grieg, "The Fauns," Chaminade; Miss Burlingim.

After the program light refreshments were served.

The next meeting of Sorosis will be held at the home of Mrs. J. T. Lees. Mrs. Burnett will talk on "The Analysis of Modern Fiction."

The Century club met Tuesday afternoon with Mrs. W. E. Kirker. There was rather a lengthy business meeting in which plans for next year's work were discussed. Mrs. Helen M. Howell read an interesting paper on the Suez canal. Mrs. R. T. Van Brunt reviewed "Via Crucis," by Marion Crawford.

The regular meeting of the Matinee-Musicale will occur Monday afternoon at the club rooms. After the program an informal reception will be given in honor of Mrs. John Doane, who will soon remove from Lincoln to Fremont.

Mrs. H. E. Lewis entertained the Lotos club Thursday afternoon. Mrs. J. E. Miller, by special invitation, gave a paper on "Ventilation and Sanitation in the Public Schools."

Mrs. E. C. Rewick will entertain the L. A. Kensington on Tuesday.

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