

"CARRIER CURRENT" NEWEST COMMUNICATION SYSTEM

Through a new method of electrical communication it is possible to send a telephone message over a trolley wire from a moving electric train. The trolley wire while supplying power to the train also acts as a conductor of another or second current which is superimposed upon it at a higher frequency.

At any convenient point along the line this second or "carrier current" may be picked up and carried short distances through the air where it may be made to operate a telephone instrument. The system may be used for communication between engineers of different trains on the same road, between the locomotive at the head of a long freight train and the caboose at the rear, or between the engineer and distant substations or terminals.

A demonstration of the system was given recently before a group of prominent railway men, by the General Electric Company.

PICKING COTTON BY ELECTRICITY

A device consisting of a farm tractor equipped with an electric generator, is being used successfully in the Northern cotton belt to pick cotton with electricity's aid. Hollow flexible tubes reach out in four directions from the tractor. On the end of each is a set of revolving brushes encased in a small metal frame with an opening about the size of a man's double fists, and sufficiently large to take a boll of cotton. The brushes are driven by an electric motor through a flexible drive shaft and revolve inwardly, or toward each other. This creates a comb-like movement which pulls the cotton from the plant the moment it comes in contact with the brushes. It is then sucked up the hollow tube and deposited in a receptacle carried on the tractor. Tests have indicated that the new electric cotton picker makes it possible for a person to gather from 400 to 700 pounds of cotton a day as compared with 70 to 150 by hand.

Contributions for "The Student Friendship Fund" are being received. This is a worthy cause as everyone who heard Mr. Johnston's descriptions of his experiences in those unfortunate countries realizes. Surely we can easily sacrifice some of our pleasure—a trip to the "movies" or visit to the drug store—when others are dying for the want of the bare necessities of life. The Y. W. C. A. no doubt will do its part but let each girl feel that she has really had a definite part in the work. "Every little helps."

Of all business transacted more than nine-tenths is done on credit.

MISS CAMPBELL PROMOTER OF B. Y. P. U. WORK

From the day Miss Campbell came to us she always wanted her Meredith girls to have all the training that college life afforded. In the fall of 1920 the first year she was with us, she organized three wide-awake B. Y. P. U's. This was a direct outgrowth of her deep desire to send girls out from Meredith as leaders in their church and community. During the year and a half that she stayed with us she spared neither time nor energy in promoting the growth of these B. Y. P. U's.

Last fall the B. Y. P. U's, through Miss Campbell, invited Dr. J. A. Ellis to teach a study course in "Stewardship." The first night that Dr. Ellis conducted the class Miss Campbell was not at all satisfied with the attendance. Not one of us has forgotten what she said to us in chapel the next morning. Her appeal was straight-forward and earnest and it brought results! In the end eighty girls took the examination, and we had started with half that number. That is what Miss Campbell meant to the B. Y. P. U's!

The important question is "Did Miss Campbell labor in vain for the B. Y. P. U's?" We scarcely know how we can get along without her, but we must "carry on." Miss Campbell opened new fields of training, and it is our privilege to follow in her footsteps. The trained workers that our B. Y. P. U's send out in future years will be a lasting testimony to the work she did among us and for us.

A soap of good quality is being mined in the vicinity of Barstow, California. The mine was discovered by a Mexican rancher. He took lumps, resembling plaster of Paris, to a Los Angeles laundryman, who gave them a thorough test and found that they served as soap of excellent quality. The soap vein is about five miles in length.

The woman who wears pearls and uses cosmetics is unknowingly allowing her gems to die a lingering death, according to a well-known London jeweler. The better the pearl the more easily cosmetics destroy it. The mellow tints and color fade when the gems come in contact with the cosmetics. Pearls thrive only when worn near the actual skin.

Probably the most luxurious abodes of wealth in the world are the new apartments just opened in New York City on Park avenue. The apartments are really private homes, with gold-plated door-knobs, silver-plated chandeliers and a separate set of elevators running to each of the 16 floors. The yearly rentals range from \$10,000 to \$55,000. There are 90 apartments in all.

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