

Letters from Our Readers

Communications for this column must be brief and always signed.

2923 North Twenty-fifth St.,
Omaha, Neb., July 13, 1915.

Rev. John Albert Williams,

Editor The Monitor.

My Dear Sir and Friend:

It is with much pleasure that I join your army of friends in applauding The Monitor, as it enters the scene of action in this community. Newspapers are like (not only ministers of the Gospel) but missionaries who are instruments of either good or bad—all supposed to be good. In this case the life of the worthy editor in this community needs no comments. Therefore the permanency and success of The Monitor is assured.

Our papers of the past have not had the moral and financial support they were entitled to. It takes money to run any business, also moral and intellectual support. The Race needs to purge itself of selfishness, spite, jealousy and imaginary grievances.

It is to be hoped that in this age of enlightenment and progress we of this community will wake up, look up and help up, for the time is not far distant when a test of our strength and numbers will be made. Let us not be weighed in the balance and found wanting, but let us be ready to gird on our armor and able to measure arms with our fellow men.

Any service I can be to you, you have but to command.

Affectionately and cordially yours,

HENRY W. BLACK.

313 Clifton Place,
Brooklyn, N. Y., June 28.

Rev. Sir and Dear Friend:

Your circular letter of June 25 came today. I still value your teaching of years ago and to have something from your pen now is most gratifying. I cannot conceive of anything but success for The Monitor with your personal attention.

Please find enclosed \$1.00, my subscription. Also please accept for yourself and Mrs. Williams the hearty

wishes for good health and success in all your undertakings.

Sincerely yours,

STEPHEN T. BROOKS.

St. Paul, Minn., July 12.

My dear Father Williams:

Owing to the fact that I have been using my spare time "keeping ahead" of my work in the city architect's office here, I am just now sending my appreciation of several things you have recently done for me.

I received "The Monitor" last Monday and I assure you that it appealed to me very strongly as being "mighty good readin'." Further that it is an artistic piece of typography. You and the people of Omaha, and all its other readers are to be sincerely complimented on your publication.

Sincerely yours,

CLARENCE W. WIGINGTON.

Omaha, Neb., July 10.

The Rev. John Albert Williams,
1119 No. 21st Street,
City.

Dear Sir:

Enclosed herewith find check for \$3.00 in payment of 3-inch single column ad in The Monitor for the first four issues.

Allow us to congratulate you on the new publication and on its excellent appearance, and, better than all, on the fact that its columns are filled with very interesting and instructive reading matter.

Yours very truly,

Sherman & McConnell Drug Co.
Per Chas. R. Sherman.

The Farmers Trust Co.,

Beatrice, Neb., July 10.

The Rev. John Albert Williams.

Dear Mr. Williams:

Thank you for one of the first copies of The Monitor.

I am enclosing \$1.00 for one year's subscription, and with all my heart I wish you perfect success. My wife joins heartily in this wish.

Very sincerely,
S. C. SMITH.

Science Notes

BY WILLIAM G. HAYNES.

The Phone.

An interesting feature of the telephone was brought out in a recent lecture given by Dr. Millener, at a meeting of the Nebraska State Pharmaceutical Association. The transmitter is so constructed that the vibrations produced by a speaking voice cause a thin diaphragm to come into contact with a small mass of powdered carbon. When a high-pitched voice has been producing vibrations for a period of time, such as would be consumed during the average housewife's daily "chat," the result is sometimes a packing of the small carbon particles in such a manner that further communication is difficult and often impossible.

Now comes the remedy. When the angry husband arrives at the phone and finds it out of commission, he immediately proceeds to swear voluminously at "Central" or the wife, as the case may be—and incidentally repairs the phone. The reason is that the slower vibrations of the heavier voice of the man tend to loosen the

carbon particles again. Of course, the same result may be obtained by briskly tapping on the receiver or transmitter if one or the other is out of order.

Graphite.

Rich families with poor relatives occur among minerals as well as among people, for the aristocratic diamond has a brother in the "black lead" of the common lead pencil. "Plumbago" is another name under which this lead is known. Properly called, it is graphite, a form of carbon. Carbon, in turn, is disguised under many titles, some of which are: Soot, bone-black, lamp-black, charcoal, coke, coal and diamond.

A brief comparison of two forms of carbon, namely, graphite and diamond, bring forth several interesting facts. Graphite is an excellent lubricating agent because it is in the form of fine flakes which create a smooth film on the moving surfaces and reduce friction. On the other hand, diamond dust is used for polishing, or wearing away material by friction, on account of the extreme hardness of the diamond. Diamond is practically colorless, but his brother, graphite, can lay no claims to such a distinction, for the jet black derby hat, the ebon-hued kitchen range, the new-

ly-polished shoes, and the tell-tale evidence of the common lead pencil are mute witnesses to the fact that graphite is sublimely black.

Diamond and graphite are both found in nature, and are both produced by artificial means, only the latter, however, on a commercial scale. Although called "artificial" diamond and "artificial" graphite, these manufactured products are identical with the natural ones.

Butter Substitutes as They Really Are.

Contrary to popular belief, butter substitutes, better known as margarine and oleomargarine, are not manufactured from garbage, hotel waste, or such material. Factories wherein these products are made are models of modern sanitation. The raw materials, chiefly beef tallow and vegetable oils, such as cottonseed oil, coconut oil, sesame oil and the like, are carefully refined by methods that avoid the use of chemicals.

Very briefly, the process of making margarine is this: The carefully purified oils are blended at a suitable temperature, then churned up violently along with "pasteurized" skim milk. After the churning, the mass is cooled, washed, salted if necessary, and "worked" to rid it of water.

Margarine has almost the same com-

position as fresh butter and contains the same amount of fat, besides being just about as wholesome and nutritious. The only harm comes when a dealer attempts to get butter prices for margarine, for the cost of production of margarine is so low that it brings it within reach of those who cannot afford butter either for cooking or eating purposes.

The list of recent inventions includes a watch crystal of celluloid or other equivalent elastic, transparent, unbreakable material, which in practice is sprung into an undercut groove or rabbet in the watch bezel, reducing the initial cost to the manufacturer and avoiding the cost of replacing broken glass crystals by the user. One more step nearer the unget-out-of-order-able watch!

No one ever convinced a boy under fifteen that the time was ever coming when he would think more of a girl than of a dog.

A great deal of the suspicion of boys is based on their natural-born preference to playing in the barn loft rather than on the front porch.

There is some hope for the boy who has to be driven into the bathtub, but none for the boy who has to be chased away from the mirror.—By Frances I. Garside.

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