

PERSONAL MENTION

M. V. Stillwell, Al Bunn and John Mattie are intending to be at Champeog this Saturday to take part in the celebration of Pioneer Day.

Dr. J. E. Shearer went to Portland today to make an inspection of Government hospital No. 77 at the request of the national hospitalization committee. Dr. Shearer is state chairman of the committee in Oregon.

The Baptists of Cloverdale will hold special meetings at that place beginning next Sunday. Elder Ben J. Smith of Arkansas will do the preaching.

Mr. and Mrs. L. L. Loree are here from Pennsylvania visiting at the home of Mrs. Loree's parents Mr. and Mrs. A. N. Fuqua. They will probably make their home in this city.

EPISCOPAL CHURCH

Archdeacon J. C. Black will hold services next Sunday at the Masonic building. Holy communion at 8 a. m. Sunday school at 10 a. m. Holy communion with sermon at 11 a. m. Evening sermon at 7:30 p. m.

DOINGS IN SOCIETY

Louis Aufdermauer and Freda Josi of this county were married on May 1, 1923 at the Reformed church in this city by Rev. W. G. Lienkaemper, pastor, a large number of relatives and friends being present at the ceremony.

Celebration of the wedding event occurred Monday and Monday night, and friends were present from many parts of the county. A big wedding feast was had, and dancing and music were other features of the entertainment, which was thoroughly enjoyed by the large crowd present, who certainly wish the popular bride and groom a long life of happiness and good luck.

The Swastika club met at the home of Mrs. Ira Smith on April 27. The afternoon was pleasantly spent with fancy work. At the close of the afternoon the hostess served a very delicious luncheon, the table being decorated with spring flowers. The guests of the afternoon were Mesdames Crenshaw, Rosenberg, Plank, Graves, Lamb and Robinson. The club will meet with Mrs. Burge in May.

Mrs. W. S. Coates and Mrs. Wm. Delaney were hostesses for a May Day tea to benefit St. Alban's Episcopal mission at the home of the former on E. 7th street. At 4 o'clock an English tea was served from a prettily appointed table with an attractive bowl of pansies as a centerpiece. The following were entertained: Mesdames P. F. Disney, W. H. Martin, Art Case, A. K. Case, F. C. Baker, Henry Crenshaw, G. E. Clary, M. A. Adams, M. Seabrook, Hunsaker, Kellow, J. L. Keeley, Elizabeth Fronk, H. C. Hanson, Misses Rowena Hanson, Georgia Barry, Catto and Miss Page of London, England.

The April meeting of the Kill Kare Klub was held at the home of Mrs. David Kuratli with Mrs. H. H. Rosenberg, assisting hostess. The program committee, Mrs. Alderman, Kuratli, Lamar, Henkle and Poorman, had prepared a special program for the afternoon instead of the regular study. Vocal solos were given by Mrs. E. E. Koch, Mrs. Fred Poorman and Miss Phillip, in their pleasing manner. Piano duets by Ruth Kuratli and Dorothy Esch, Elna and Willis Henkle were greatly enjoyed. Mary Lamar and Caroline Haberlach responded with piano solos.

Mrs. C. J. Edwards gave an interesting reading. Another unusual feature was Guest Day. The invited guests were Mesdames Art Case, Carroll, J. C. Holden, Condit, Crenshaw, Esch, Ford, Groat, Grider, Hays, Koch, B. C. Lamb, R. B. Miller, W. F. Nichols, Pine, Robinson, Ira Smith, Spitzmesser, Preston, Williams, Miss Phillip and Mrs. R. B. Hays from the Travellers Protective League of Portland.

Mrs. Guy Ford won the prize for the puzzle game. Refreshments were served by the hostess. The May meeting of the club will be held at the home of Mrs. Haberlach with Mrs. Franklin assisting hostess.

A May Day surprise party was given by the pupils of Fairview school at the home of their teacher Mrs. L. J. Todd. Games were played until a late hour. Refreshments of ice cream and cake were served and a most enjoyable evening was spent.

Mrs. W. F. Nichols entertained St. Alban's Guild Tuesday afternoon, April 24, at her home on E. 5th street. Mrs. George Hanslmair was the guest.

The members present were: Mesdames F. C. Baker, M. A. Adams, Chas. Brown, W. S. Coates, Art Case, Wm. Delaney, J. L. Keeley, P. F. Disney, Elizabeth H. Fronk and Miss Georgia C. Barry.

Mrs. F. C. Baker will entertain the Guild at its next regular meeting May 8.

MINERALS FOR COWS

(Continued from page one)

and Dr. McCollum, the head of this work at the John Hopkins university and their answers are herewith published for the information of the dairymen of this country:

Dear Mr. Shaw: In reply to your letter of January 6th, I would say that in all probably the bone charcoal which you mention would be a desirable mineral feed to use with cows, though I have never used it myself, and so can not say from experience, how they would take it. Since their requirement, however, is for mineral substances in about the proportions in which they occur in bone, I think that there should be little doubt as to the value of this product, if they will eat it.

In my own studies at the Ohio Experiment Station, and later in a commercial connection in Chicago, the best mineral supplement for dairy cows that I was able to find, was a clean, refined steamed bone which is produced as a by-product from the manufacture of gelatin. The only firm that I know of which is manufacturing and handling this product with a view to its use for feeding purposes is the United Chemical and Organic Products company, 4200 South Marshfield Avenue, Chicago, Ill., with which I was connected. In the course of this connection I developed this product of theirs as a mineral feed by changes in their method of handling, to make it acceptable for such a purpose.

I found, much to my surprise, that dairy cows would eat ordinary fertilizer steamed bone, and have, unquestionably, derived some benefit from it, but I have hesitated to recommend it on account of the disagreeable odor, which certainly would not commend it to a dairyman, and also because of its unsanitary qualities and the possibility of its being the means of causing botulism in animals consuming it.

On account of freight rates, I imagine that any mineral feed to be practical in your situation, would have to be produced somewhere on the west coast. If you happen to have a sample of the bone charcoal to which you refer, I would be very glad to examine a small amount of it.

Now, as to the efficiency of mineral feeds in connection with abortion of cattle, it is undoubtedly a fact that this condition is aggravated by lack of mineral nutriment, and occasionally herds of cattle either abort or fail to breed, for a time, on account of mineral deficiency alone, but this situation is so uncommon, and contagious abortion is so prevalent, and deficiency of mineral nutriment is so small a factor in the cause of abortion, as it prevails throughout the country, that I am always reluctant to encourage any one to think that supplying mineral nutriment will assist in combating this disease for fear I shall lead them to try a simple, easy and ineffectual measure while neglecting the much more troublesome procedures which must be their main reliance. You can easily see that I could do great harm by over-emphasis of the facts as to the value of mineral nutriment in this situation.

On account of a paper that I am to read on this general subject at the World's Dairy Congress, I am especially interested in evidence that cattle sometimes need mineral feeds. Since you state that, in your judgment, cattle in your locality exhibit symptoms of lack of mineral nutriment, it would be of great service to me as full and detailed a statement regarding this matter as you are able. I shall greatly appreciate the courtesy of this information. Yours very truly, E. B. Forbes, Director.

Dear Mr. Shaw: I have examined your letter of the 6th with considerable interest. The thing which I would suggest as being of greatest importance would be the addition of calcium phosphate to the rations of cows in your state. I note that the soil is very acid. You do not state whether you have tried bone charcoal. I am wondering whether you have discussed this matter with the chemist of your experiment station at Corvallis. Possibly some of them may know specifically what is the matter with the feeds of your region. If you test out the addition of calcium phosphate or calcium carbonate and its effects on health, fertility, and productivity of cows, I shall appreciate it if you will write me telling me the results. Yours sincerely E. V. McCollum.

Dear Mr. Shaw: The two samples of bone charcoal which you sent me have come to hand and I am greatly obliged to you for the courtesy of sending them. I had never had the pleasure of examining this product before. On account of its crisp mechanical condition I think that it is especially well qualified to serve as the basis of a mineral feed for hogs, since they have an especial liking for crisp and gritty substances. I would not undertake to say without having tried it, how well adapted this product would be for feeding to cattle, but I should think that the finer one of your two samples, mixed with one-fourth as much common salt, would make a very desirable mineral feed for cattle. I have not subjected these products to any chemical examination, as it seems to me there can be no question as to their availability and as to their value for any farm animal in need of mineral nutriment in addition to that provided in the ration.

If this bone charcoal is available on the coast I should think that there would be no need for your shipping steamed bone from the gelatin factories farther east, though a certain question as to the value of the bone charcoal must remain until it has been subjected to actual and thorough going experimental investigation.—E. B. Forbes, director.

The above letters seem to establish the fact that the mineral supplement would be a practical thing for the dairymen to investigate. "Naturally, the dairymen would be also interested in the best time of the year to feed this material." It is the opinion of the county veterinarian that a mineral supplement should be fed with a small amount of grain during the spring months, when the cows are on pasture.

The reason for thinking so, is that the mineral would then become available—more would be absorbed and the alkali reserve would also be increased, so that the animal would have more material for building tissues of the calf to be born at the next freshening period. It must be kept in mind that this work is yet in the experimental stage, but one thing is apparently true, that no harm can be done by the use of the mineral supplement; and it would seem to be a more logical tonic than any of the stock foods now on the market.

A quotation from "Feeds and Feeding," by Henry and Morrison, a standard text book in all agricultural colleges, follows: "Tests of many stock foods and tonics by the experiment stations in general, show clearly that there is no advantage in their use."

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1923 is a Travel Year

An unprecedented volume of travel is in sight this year, both in the United States and to foreign countries. Vacation plans are now being made by thousands of persons, some of whom are planning trips of one or two weeks duration, while others will go abroad on more extended stays.

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