

# Farmer, Stockman and Dairyman

# S. H. S. "THE TATTLER" 1-9-19

### Balanced Rations Give Profitable Trees—

Growth and fruitfulness of trees depend upon a proper balance between the nitrates and carbohydrates, even though all other conditions are favorable. This is scientifically proved in a recent O. A. C. experiment station bulletin, which also points out four possible relationships between these important elements in the plant food of trees and other plants, only one of which is favorable both to growth and fruitage of the plants. If abundant nitrates are available but carbohydrates are lacking the vegetation is weak and the plant is unfruitful. If nitrates are abundant and carbohydrates also plentiful heavy vegetation growth results with barrenness and sterility. If nitrates are relatively decreased, carbohydrates increase with lessened vegetation and increased fruitfulness and fertility. If nitrates are further increased without at the same time preventing an increase in carbohydrates both vegetation and fruitfulness are suppressed. In all these relationships it is assumed that other plant foods, moisture, and growing conditions are present. It is pointed out by C. I. Lewis, chief of horticulture, that while other compounds are concerned with the growth and fruitfulness of plants the experiments were concerned chiefly with the carbohydrates, nitrates and moisture, and the response made by the plant to alternation of their relative proportions within the plant. It is further shown that these factors are measurable within the control of the grower through tillage, pruning and fertilization.

### Plant Pest Committee—

The American Plant Pest committee with headquarters at Boston has elected A. L. Lovett, entomologist, and H. P. Barrs, plant pathologist of the experiment station at Corvallis, members of the committee to represent Oregon. The purpose of this national organization is to inform the public concerning dangerous plant pests and secure measures for their control. It aims to protect American agriculture, horticulture, and forestry by working for quarantines which shall prevent the introduction and spread of diseases and pests from other parts of the world. The Oregon committee, of which W. H. Savage of the state fair board and F. A. Elliott, state forester, are also members, are now engaged in special campaigns to stop the further spread of the destructive pine blister rust, corn borer and potato wart of which have recently come to our eastern shores from Europe. The work of the organization is of tremendous importance to the West.

### New Lights on Bovine Tuberculosis—

Recent Federal investigations of tuberculosis under normal farm conditions continue to incriminate rodents, especially mice, as possible spreaders of the disease. Following are briefly the results of last year's studies on tuberculosis by experts of the Bureau of Animal Industry. Thorough cleaning of stables from which tuberculosis animals have been re-

moved has been shown to be of greater importance in making buildings safe for healthy animals than the use of chemical germicides. When the cleaning is properly and thoroughly done the quantity of disinfectant needed is relatively small. Mice which have ingested tuberculous material are especially to be suspected as possible spreaders of the disease, as tubercle bacilli multiply enormously in their bodies and are scattered freely with their feces. Results obtained again emphasize that this destructive disease would decline materially if relatively simple precautions against its spread were more commonly understood and practiced by owners of live stock. Among the principle measures urged by the bureau are sunny, well-ventilated barns, sanitary surroundings, application of the tuberculin test to all cattle when the health of the herd is doubtful, prompt removal of any animals which are affected, and the introduction into the herd of only such animals as are known to be free from the disease.

### Fertilizer Value Shown—

The Cattaraugus County (N. Y.) Farm Bureau conducted 15 fertilizer tests last year, using plots with lime alone, lime and acid phosphate, and acid phosphate alone. Check plots were used for determining results. Where lime and acid phosphate were used there was a profit of \$15.94 an acre, and where acid phosphate alone was applied there was a profit of \$15.42 an acre. Where lime alone was used there was a loss of \$1.56 an acre, but the next year's hay crop should make up this loss and pay, in addition, from 150 to 200 per cent on the investment. In this county 31,000 acres of oats are grown annually. If 25 per cent of the oat-growing farmers would adopt the practice it is believed they would gain \$87,265 a year.

### Grade Bulls Discarded—

The Garfield County (Colo.) Farm Bureau saved the farmers of the county \$10,000 last year through cooperative buying of pure-bred bulls. The live-stock committee late in the summer of 1917 surveyed the county and found many grade bulls were being used on the range. During the winter of 1917-18 several meetings of the live-stock committee and the farm bureau as a body were held, and it was decided that only the best of bulls should be used on the range. A committee of nine was appointed to obtain orders and purchase the bulls, and through the county agent got in touch with large breeders throughout the United States. As a result 103 registered Shorthorn and Hereford bulls were shipped into the county.

### Fatal Stock Disease Threatens—

The highly infectious disease, Hemorrhagic Septicemia that has caused some losses of livestock here in the past may become troublesome again at this time of the year, says County Agent, N. S. Robb. The disease has been reported during January at Junction City, Irving, and Springfield. People over the coun-

ty should be on the lookout for the disease as it is one of the most fatal diseases we have in the county.

The disease is particularly liable to attack fat ewes, cattle and hogs at this time of the year, and while there are several forms, the acute form may cause death within 10 to 24 hours.

The disease is a septicemia or poisoning of the blood. No form of treatment has time to become effective once the animal is attacked with the acute form.

Bacterial vaccines afford the only satisfactory means of relief. These can be administered by any competent veterinarian. If a person loses stock suddenly without any apparent symptoms a veterinarian should be consulted. He can quickly procure the bacterin and do the vaccinating, which is the best means of checking this disease.

Owners of livestock should be familiar with its symptoms, says Mr. Robb, so he can quickly recognize the disease. The U. S. Department of Agriculture has recently issued Farmers Bulletin No. 1018 on Hemorrhagic Septicemia, which gives a fairly good discussion of the symptoms.

Copies can be obtained at the County Agricultural Agent's office in the Courthouse or from the U. S. Department of Agriculture at Washington, D. C.

### The Power of Words

The ability of big words to inspire respect, when the same idea expressed in ordinary terms would fail to impress the hearer, has often been noted. A writer in "The Journal of the American Medical Association" notes that this seems to be well understood by the exploiters of nostrums—whether for physicians' prescription or for direct consumption by the public. This thought is inspired, he says, by reading the label of a proprietary brand of clay poultice which informs the world that the base of this marvel is "composed of the finest anhydrous and levigated argillaceous mineral." He goes on:

"It would be fatal, commercially speaking of course, to tell the public what it could, but probably will not, easily find out by looking in the dictionary, that this specimen of exuberant verbosity simply means that the base of the product is nothing more miraculous than dried and finely powdered clay. But how much more sonorous, how much more awe-inspiring, how much more suggestive of incantations and the witch-caldron: 'anhydrous and levigated argillaceous mineral.' One can not help feeling that 'Professor' Samuels, the shrewd and genial quack who dispensed a pinch of salt and sugar in hydrant water (\$5 for 2 ounces), made a mistake in not taking the public into his confidence ('patent-medically' speaking) by telling them the composition of his panacea. With perfect truth he might have said, for instance:

"My preparation is composed of minimal quantities of a member of the disaccharid carbohydrates, derived from the hexoses and capable of yielding two hexose molecules by hydrolysis, having as a general formula C12H22O11, and crystallizing in monoclinic prisms, together with an interesting chemical combination of sodium and chlorine, which, in its natural state, forms anhydrous, cubical, or octahedral white crystals. These are dissolved in a colorless, limpid fluid compounded of hydrogen and oxygen."

"Thus might Samuels, taking a leaf out of the note-book of the clay-poultice exploiters, have avoided the charge that he was unwilling to let the public know what he was selling. He might, conceivably, have impressed physicians of a certain type! A seeming frankness is the order of the day in advertising 'patent medicines'; does not the public know full well that the base of the wonder-working poultice is 'anhydrous and levigated argillaceous mineral' What more can it ask?"

"You don't seem to pay any attention to these germs."

"I don't talk about 'em any more than is necessary," answered Doc Brancy. "I take all possible precautions and then try to ignore 'em. The meanest thing about a germ is that if he can't attack you anywhere else, he tries to get on your mind."

### \$100 Reward, \$100

The readers of this paper will be pleased to learn that there is at least one dreaded disease that science has been able to cure in all its stages, and that is Catarrh. Hall's Catarrh Cure is the only positive cure now known to the medical fraternity. Catarrh being a constitutional disease, requires a constitutional treatment. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system, thereby destroying the foundation of the disease, and giving the patient strength by building up the constitution and assisting nature in doing its work. The proprietors have so much faith in its curative powers that they offer One Hundred Dollars for any case that it fails to cure. Send for list of testimonials.

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### Our High School Building

Restless among the swaying breezes it stands; a lonely outcast from the rest of its kind. Weary of its long drawn burden but still serving its purpose to which it was dedicated in the remote past, is our dear old S. H. S.

During the Medieval Ages there came into the small unnoticed village of Springfield several families with about ten children each. Something had to be done about teaching these poor unlettered humans so a stately meeting was called by the honorable Squire for the purpose of erecting a suitable building for educational purposes. The plan was made. At first the more modern up-to-date people of this conglomeration business meeting argued for a stately mansion built on the order of one of our chicken houses but the majority thought this too expensive so another plan was promulgated. Noah's Ark was taken as the copy.

Down through the ages descended Noah's temple, following generation after generation and finally emerging into the Modern Age.

Standing among nature's maples which protect her from the disdainful eyes of the passerby, but with her form still stately, according to Medieval traditions, but molding from the many long winters are our present dear old halls of knowledge. As we step from nature's sure footing to boards creaking, with unknown raptures, our heart thrills at the dark unknown regions before us. We enter the hallway which is so dark we can only faintly discern black, unworldly objects hanging on the walls. What can these be? We pass on and presently find to our intense relief that this temple must be occupied by others than just ourselves; as here are coats belonging to humans, which we thought in the great misty darkness looked as though they were black ghosts, who might give a lung at us and we would be a creature of the past. Presently we hear faint murmurs far away in some unknown corner of the monster planet. We decide to make our way up the stairs. We ascend hardly able to realize we are soon going to come in contact with other human beings of our own nature. The stairs creak and sway in the weird darkness. We nearly lose our footing as we are in such a hurry to rush from this moaning, screeching sound. Presently we find ourselves upstairs but out of breath. We listen. The voices which come from some unknown cavern are farther away. We open a door not knowing where it may lead us fearing it might plunge us into utter darkness. Nothing of this kind happens but instead we are facing a room with chairs placed along the walls. We stand mute; the desk which is situated at the right of the door gives us a feeling that Noah or his descendant must be around in the vicinity. The chairs are ornamented with pictures, a great hobby of departed generations. The floor creaks and the walls seem to tremble but on we go through room after room, finally descending the rickety stairs which lead us into a large gloomy room. Lo and behold! What do we find here? Instead of a vault full of enormous black spirits we find a room of students. The crowd of young people are actually human beings, modern students marching through the roadway of life in a building fashionable during the period of Noah.

By VERNETA MOORE

Some of the boys might improve their good looks by combing their hair once a year whether it needs it or not.

Manlee Spores wasted a perfectly good pencil by throwing it piece by piece at Edwena Parsons. Frosh, we hope this never occurs again.

Mr. Moore gave us a quiz in Physical Jig last Thursday when it wasn't expected and you may imagine the results.

Lee Fountain, of the 55th Artillery, who is home on a fourteen day furlough visited his sister, Miss Mary F. untain, Sunday afternoon.

La Velle Barger forgot to go to class Monday morning. We wondered if it was merely day dreaming or being afraid she would be the only one in Geometry class.

Mr. Moore (after explaining a geometry problem) "Now is that clear to you?"

Lewis Gibbs: "Just as clear as mud."

Mr. Roth was unable to return to school Monday on account of sickness, so our old friend, Dinty Moore is acting as substitute during his absence.

The Methods class of this school will begin their practice teaching Tuesday at the Lincoln building. School "mamas" are flying in all directions these days.

Harold Wynd, physics fiend of last year, has been experimenting with electricity. Result: Miss Williams' room has a much better lighting system than formerly.

The French class has been driven to desperation. They have a great desire to get the text published in English but they have decided it is nearly beyond their means.

Edith Holcomb, a former high school student, has gone to Portland to attend the Behnke-Walker Business College.

Doris Holland, a Junior, has suspended her studies at High School and is taking a course at Business College.

Miss Williams' (in Hist. I.) "What did they give the soldiers to eat in Ancient times?"

Wise Student: "Bread crumbs and dates."

Many students would like to know what kind of wood they have been burning during the first period. It takes spasms of popping like a machine gun in action.

The English VII class has been working very diligently on compositions describing the High School building. It is very hard to find words to describe a temple of this kind.

Mr. James Gorrie, a graduate of S. H. S. and who has been stationed at American Lake, is expected to receive his discharge and will be home within two weeks.

Myrtle McBee, Dorothy Gerard, Wallace Halsey, Odin Olson, George Williams and Chas Gerard are absent from school on account of the influenza. We hope them a speedy recovery.

At noon one day Mr. Moore sent all the boys out of the assembly room to destroy rivalry—you see, he wanted the girls all to himself, with no interference on the part of the other contingent.

Vernita Moore, editor of "The Tattler," has appointed a Joke editor from each class and it is his duty to secure all available jokes in his class and hand them to Candace Dillard, head of the Joke Department, before Thursday of each week.

Alberta Parvin, a Senior, is confined to her home on account of the flu. We miss her very much in our dear old halls of knowledge. We hope our lively mischief maker will be able to return soon as old S. H. S. seems to be dreaming during her absence.

Gladys Edwards was a visitor at the High School Friday afternoon. She had contemplated discontinuing her studies at old S. H. S. but her present visit has given her the realization that education is essential and we expect her to be back with us again Monday.

Miss Flora Lindley, a 1918 graduate of S. H. S., visited the school Friday forenoon. Flora is a teacher of the Portage school near Florence. The "flu" epidemic has caused her school to be closed for a period of four weeks, giving her this chance to visit High.

A certain dignified Senior youth, who attends English VII class has been seen looking longingly and wishfully toward a certain large white house on Mill St. It would not be so appalling but his thoughts are far away when Miss Lindsey is trying to give us Poe's thoughts in all their glory; that disastrous results follow more often than we like to admit.

The large sign proclaiming to the world the name of the town of Springfield has been blown down by recent cyclones. It would be an idea worth while if the Seniors would take a small bit of pride within themselves, as well as pep, and construct it on a firm foundation and then show to the world their numeral by putting it close by.

Bill Hill and Jerry Van Valsah, former high school graduates, visited school one day last week. Bill gave a very interesting speech in History VII about soldier life in Kentucky. The minds of the history class have been constantly working since that memorable time on a greatly complicated mystery, as Miss Williams asked him during his speech, "Bill, Oregon girls are best, aren't they," and he briefly answered, "Not on your life." We all wonder who can be the dark-eyed beauty.

Mr. Ray Alexander, our student body president, has discontinued his high school work and has gone to Portland, having accepted a position at that place. We can't begin to realize how old S. H. S. is going to continue her duties without his presence. While he was in our midst we had a jolly personage to liven us up but now I fear we will have to depend upon one of the Freshmen girls. We miss his jovial attitude greatly and we hope he will think often of our dear old High School and probably some day he will pen us a line.

Although the paper is not so full of real news as we would like to have it, it must be remembered that five weeks of vacation often have disastrous results in the field of literature. A better paper is promised next week.



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