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The ordinary person, or even the educated person, can have little con- - cept of the applications and details that are to be found in a piece of wood.

The first chapter is brief state- - ments concerning the parts of a tree, the structure and growth; in the second, are noticed the various re- - quirements of trees, rate of growth, reproduction; in the third, the seven ages of a tree, how the crop begins, continues and declines in the fourth, the man as an enemy, insects, fungi, snow, drought.

The book, prepared by a specialist and is in strong contrast with some of the school books which are used. This is admirable in the hands of a teacher or the students. The statements are clear and reliable. I have marked many paragraphs, but only quote the following: "A forest tree is in many ways as much de- - pendent upon its neighbors for safety and food as are the inhabitants of a town upon one another. The differ- - ence is that in a town each citizen has a special calling or occupation in which he works for the service of the community, while in the forest every tree contributes to the general welfare in nearly all the ways in which it is benefited by the community. Each tree helps to pro- - tect its neighbors against the wind, which might overthrow them, and the sun, which is ready to up- - the soil about the roots or to make .sun cracks in their bark by shining too hotly on them and washes the earth in which they stand by the fall of its leaves and twigs, and aids in keeping the air about their crowns, and the soil about their roots, cooler in summer and warmer in winter. If each tree stood alone, with the others it forms a common canopy under which the seedlings of all the mem- - bers of the forest generation are sheltered in early youth, and through which the beneficent influence of the weather is extended far beyond the spread of the trees themselves. But while this fruitful co-operation exists, there is also - -

Another Valuable Addition to the Herbarium.

The Arnold Arboretum is owned jointly by Harvard University and the city of Boston. It is not only the most beautiful park in the city, but it also attends to perfecting and keeps them in order. This plan was devised by the director, Professor C. S. Sargent, with the view to making the arboretum permanent.

A Locomotive Test.

(Letter from Allan Stone to Prof. Weil.)

MY DEAR PROFESSOR:—A short time ago I had the honor and privilege of being one of the fortunate students of the College. I thought you might like to hear - -

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Continued from first page.

more back pressure on one side than on the other.

This day was spent with this engine, and then the machinists were put to work to change the appearance of the glasses.

They are the largest passenger engines existing, having cylinders 20 x 28 inches, and 69 cylinders, I will drive them in the presence of one of the same class. They are equipped with the New Hampshire "injector," having practically two injectors included in one casing. Mr. Smith, one of the Hancock people's experts, was with this test.

Owing to the fact that the Cornell fellows were in a hurry, it was necessary to run this test on Thursday, so about 8 o'clock we hitched onto empty coaches, which was just about equal the annual load of the engine.

My duties on this trip were to run the water meter on the injector suction pipe, the steam pressure, water gauge, and the length of the time the blower was in use. Soon after starting it was found the blower was too small and made the injector break, so the other injector had to be used. Then the engine did not steam, and we lost 100 pounds pressure until we reached the summit.

After that we had to run a hot truck box, so our run to Binghamton, 69 miles, was not much of a success, the speed recorder indicated 60 miles in two hours. Here we got dinner, and then prepared for a quick run home. A stream of water was arranged to play on the truck box, and we had no further trouble with it. The test was made in 73 minutes, and in one place we made six miles in five minutes, and I understand the results obtained were very satisfactory. Most of the engineers hate the "brutes," as they call them, very heartily, and cannot conceive how to run them very economically.

I enjoyed the work very much, and consider quite a little improvement, I could not have otherwise gotten.

I presume you are glad to get a little rest this summer, and are preparing for a big crowd next fall.

Here endeth the first epistle.

ALLAN H. STONE.
About the Campus

Mr. A. M. Welch called at the college Saturday, on his way to his home in Ionia.

The milk for our creamery comes from Winon, in Oakland county, and is shipped in daily.

In the Women's Dormitory nearly all the old students are back, and five new students have registered.

The Mechanical Department has purchased a new Oliver Wood Trimmer, No. 3, one of the largest sizes of one of the best makes.

An evening class in cookery is to be organized on Friday evening (Jan. 11) by Miss Paddock, under the supervision of the instructor in domestic science.

Prof. L. R. Taft attended the meeting of the Indiana Horticultural Society during the holidays, and read an address on the "Philosophy of Spraying."

The prevalence of small pox is seriously interfering with institute work. Twice this week it has broken out in places where we had planned to hold institutes.

R. J. Corry's Sqt. Supt. of Parks and Boulevards, Detroit, has sent to the college a specimen of the prairie wolf or Coyote. This has been prepared and placed in the museum.

Mr. Brafford, superintendent of the wood-shop, is introducing a system of finished and unfinished native woods, which will enable the students to learn, without leaving the shop, the various kinds of native woods in their different conditions of finish.

One or two robins and a crow black bird are wintering on the campus. The latter gets its food from the refuse of the grain fed to the deer and elk. This is the first time in seven years' experience here that Prof. Barrows has known of a crow black bird wintering on the campus.

The department of Zoology has received several valuable specimens recently. Harry Weatherfax (with '01, m.) sent whale-bone plates just as they came from the jaw of the whale. The specimen from which they were taken was captured at Gray's Harbor, Wash.

The library has recently been the recipient of a beautiful and valuable gift in the shape of a book, "Men of Progress of Michigan," by S. B. McCracken, and published by the Evening News Association. Among the prominent Michigan men mentioned may be found Secretary Arthur C. Bird.

The total registration at this time is 70 ahead of the corresponding date of last year. In the special short courses 56 have registered. Many are taking more than one course. There are 21 taking the creamery course, 24 the live stock, 5 the fruit, and 12 have already registered in the sugar beet course, although the factories have not closed as yet, and most of our men cannot get in.

The new debating club started off on Friday night with an attendance of about 30, and everything seems favorable to good work. The aim is in the direction of good citizenship, the honest and impartial discussion of the social and economic questions of the day, and the personal improvement and power that comes through the clear and thoughtful formulation of opinions in the face of well-supported opposition. The club will be called the M. A. C. Debating Club, and for the present will meet in class-rooms, at 3:30 to 5:30 p.m. on Monday evening. The officers elected are: R. M. Norton, president; Matt Crosby, vice-president; J. J. Ferguson, secretary. The questions discussed will, as far as possible, be arranged in series, taking up quite thoroughly the phases of some economic subject before entering on another. References for the debates will be arranged with the subjects, and the books, etc., referred to will be held in the library.

Bible Study.

Last term the students took more interest in Bible study than has been manifested before in the history of the association. We have the same teachers again and a more successful term of interest is to be expected. To fulfill these expectations we want every student who is interested in Bible study to attend one of the classes given below:

Y. W. C. A.

1. "Women of the Bible," by Miss Wild, leader, Miss Avery; 1:30 p.m. Sundays.

V. M. C.


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Hallister Block, Room 51.

D. P. PARKE—Dentist.

206 Washington Ave., N.

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113 Wash. Ave., N., 212 Wash.

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PURSINGING GOODS.

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