

THE COLUMBIAN.

BLOOMSBURG, PA.

THURSDAY, AUGUST 26, 1909.

The Zoological Press Bulletin

of the Division of Zoology, Pennsylvania Department of Agriculture. Timely Topics of Plants and Pests Discussed Weekly. By H. A. Surface, State Zoologist.

APPRECIATION OF BULLETINS.

Prof. H. A. Surface, the State Zoologist, is in receipt of many letters of appreciation concerning the bulletins of the Division of Zoology of the Pennsylvania Department of Agriculture. The following words of encouragement from Mr. George H. Eisenhart, a successful farmer of Skippack, Montgomery county, Pa., are greatly appreciated: "Your Bulletin for June on 'Plant Pest Treatment' is at hand. I wish to say that it is the best bulletin that I have received from you. It treats of every plant on the farm, and in a concise manner, so that it takes but a few moments to find out the remedy for any pest, instead of being compelled to wade through a mass of literature. I am more pleased with this number than with any of the previous ones, although I received much instruction from the others. I trust it will be received with enthusiasm by all the farmers of the State, as it is an encyclopedia condensed."

THE MELON APHIS.

The Melon Aphis is one of the many species of plant lice concerning which State Zoologist Surface, at Harrisburg, has received an unusual number of inquiries this year. It is a little dark green insect, sucking the sap from the under sides of the leaves of the melons, especially cantaloupes, and stunting the growth of the vines so that the crop is destroyed. The insects multiply with such remarkable rapidity that when one has started on a plant it will soon produce enough offspring to cover all the leaves of an infested plant or vine.

They start in a colony or group, and sometimes it is a good plan to cut off and destroy the infested leaves or vines. One of the best practical measures to get rid of them is to turn the vines over with a fork, so that the leaves lie upside down, and then spray with a good nozzle and high pressure, applying Whale Oil Soap in solution, in the proportion of one pound of this material to five or six gallons of water. A "Knapsack Sprayer" or a "Compressed Air Sprayer" is very good for this work, and it can be carried among the vines without damage to them. In some cases the operator can succeed very well by using a short extension rod that will permit him to reach the ground without stooping, and carrying an up-turned nozzle, in order to throw the spray liquid up under the leaves to strike the pests. Thorough spraying in this work is essential. Where the leaves are so curled as to effectively protect the aphids, these should at once be picked off and destroyed, either by burning or by crushing under foot.

Some persons have succeeded in umigating for melon aphids by drawing the vines together on a hill and turning a washtub over them, just after pouring a half teacupful of carbon bisulfide on the ground around the plants within an area that will be covered by the washtub. To make it air-tight, earth can be thrown around the lower edge of the inverted tub. Let the umigation continue for at least one-half hour. While this is a slow process and can not, therefore, be recommended on an extensive or commercial scale, it will be found to be a good means of protecting a few vines of melons or cucumbers which may be grown in the home garden.

\$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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THE CABBAGE APHIS OR PLANT LOUSE.

At this time of year State Zoologist Surface, at Harrisburg, is receiving an unusual number of inquiries concerning a destructive pest of cabbage, which appears to be working in practically all parts of Pennsylvania and makes itself manifest by curling the leaves, stunting the growth of the plants, and causing them to look as though covered by mildew. A close examination of the infested plants shows that they are covered by hundreds of little gray plant lice or aphids, which especially crowd close together in the curled parts of the leaves and live by injecting a poison into the leaf and sucking out the modified sap.

They are true sucking insects, and can not be killed by the poisons such as Paris green and arsenate of lead, which can safely be applied for the common green cabbage worm. They are the cabbage aphid or plant lice, and are killed either by fumigation with some gas like the fumes of carbon bisulfide in a vessel turned over the plants; or, far better, by spraying with a contact insecticide such as one pound of whale oil soap in five gallons of water, or ten per cent. kerosene emulsion, or strong solutions of soft soap, or very strong tobacco decoctions.

It is necessary in applying the spray that a side-turned nozzle be used on the end of a short extension rod, and that the liquid be applied with considerable pressure, in order to throw it well in among the curled leaves, striking the bodies of all the pests. Those which are not touched by the spray liquid at the time of spraying will not be injured and will increase in multiplication at an alarming rate. The leaves that are so badly curled as to protect the plant lice effectively from contact with the spray liquid should be cut or pulled and at once destroyed, either by burning or by stamping under foot.

If the spraying is effective the results can be seen within twenty-four hours, and if there should remain any pests alive at the end of that time, it is advisable to repeat the operation with a little stronger material. It is important that all hopelessly stunted, sickly or feeble plants should be gathered and burned or by throwing them onto a hot fire; or fed to stock at once, in order to get rid of the pests which they contain.

To Be Remembered.

There is one fact that every Democratic voter, and particularly every Democratic Register or tax Assessor should remember, and that is, that *young men who voted on age last fall MUST be Registered or they can not vote under any circumstances.* Others who have paid a State or County tax within two years may be able to swear in their votes, if they are not upon the Registry, but the voter who cast his first ballot in 1908 has no possible chance to do this. He is not upon any duplicate, has no tax assessed against him, and consequently cannot qualify to having paid a tax, as is necessary where voters are left off the Registry. By failing to register he practically and effectually disfranchises himself. There is no way by which he can vote, and Democrats should remember and see that every young Democrat who voted on age in 1908, is upon the polling list of 1909. And this must be seen to before the evening of September first. Don't forget this.

Woman's Home Companion for September.

A big section of the unusually big number is devoted to fashions. Experts in Paris and famous tailors and milliners in the United States have, with Grace Margaret Gould's knowledge of the American woman's tastes, made the issue one that women will preserve for many months. Not only gowns, coats, hats and waists, but the important little things, shoes, hosiery, fabrics, trimmings, coiffures—all are exhaustively handled.

There are plenty of good stories in the issue for these last hot days—stories by Octave Thanet, Mrs. John Van Vorst, Katharine Holland Brown, Mary Heaton Vorse, and others, illustrated by such artists as James Montgomery Flagg and Alice Barber Stephens. Kate Douglas Wiggin's serial story of the Shakers, "Susanna and Sue," is also in this issue. For the theatre-goer, Walter Prichard Eaton's article, "The Decent Stage," will prove a splendid guide, giving a list of the good, clean, successful plays that will appear outside of New York this fall.

In "Reluctant Parentage" Dr. Woods Hutchinson startles us with new ideas about the "Race Suicide" question. He shows all the aspects of this big problem and eventually proves that it isn't really a problem at all.

Marion Harland, in her pilgrimage through Europe, has met "Little Boy Blue," and tells his sad little story.

William H. McElroy contributes a number of stories about Edward Everett Hale that have the charm, humor and sweetness that pervade everything connected with Doctor Hale.

We hear constantly the cry that our daughters are being taken from home, but seldom a practical plan to bring them back. Katharine Eggleston's article in this issue suggests a plan and a good one.

There are a number of articles that should be cut out and pasted in scrap books: "The Successful Aquarium," "How to Make Candle-Shades," "Furniture Made at Home," "Small Fruits."

The children's department is even bigger than usual. There are many pages devoted to embroidery and other hand work. Fannie Merritt Farmer's cooking pages are full of new ideas, and all the other regular departments are as good as they always are.

Free Scholarship.

Any young man or woman who is a bonafide patron of this paper may secure free instruction in Music or Elocution.

The Rochester Conservatory of Music, with the desire to stimulate the study of these arts, offers scholarships to applicants from the State of Pennsylvania, valued at \$100 each, and good for a term of twenty weeks beginning with the opening of the School year, September 15, 1909, in any of the following departments: Voice, Violin, Piano, Public School Music and Elocution. These Scholarships are awarded upon competition which is open to any one desiring a musical or literary education.

Anyone wishing to enter the competition or desiring information should write to Mr. James S. Shaw, Business Manager of the Rochester Conservatory of Music, Rochester, N. Y., before September 6, 1909.

The Evolution of Clothes.

The appearance of civilized man, his hands and head protruding from cylinders of cloth, as a turtle's from beneath his carapace, imbues the savage breast with curiosity, envy and fear. "You lived, sir, in the Victorian age—a period essentially cylindrical," says a tailor to the hero of Mr. Wells' "When the Sleeper Wakes." Nevertheless, all these unmeaning cylinders and rolls of superfluous cloth we carry upon our backs once had some meaning. For instance, the two buttons and the rudimentary tails of the morning coat, and the vestigial tails of the sack coat, are reminders of the time when the long tails were looped up to enable the wearer to ride without sitting upon his clothes. Similarly the buttons upon the sleeves originated with the time when the coat and shirt formed one garment, whose sleeves were tucked up when the wearer "got busy." Men's clothing buttons over from left to right; women's from right to left.

Hard Working French Schoolboys. French children are often on their way to school a little after seven o'clock in the morning. If they have concluded their lessons by nine o'clock in the evening it is only by dint of great application.

Young men studying for the higher professions have appointments at five o'clock in the morning in summer time; otherwise they cannot accomplish the mountain of work that lies before them. In all branches of art the labor of the tyro is immense. At the Conservatoire the strenuous life is carried to a point which provokes the astonishment even of laborious German students.

Overwork.

Overwork seldom kills anybody but farmers' wives. The few men in the world who drive themselves into overwork thrive on it and write their names on the roll of fame because of it. When the world says that a man has broken down from overwork it tells a polite falsehood, usually. People break down from overwork, overhurry, overdrinking, overworking, overeating and overfoolishness of many other kinds, but seldom from overworking. The energy needed to do an ordinary man's daily work is insignificant alongside the energy he devotes to secondary things.—Newark (N. J.) News.

NOTICE IN PARTITION.

In the Orphans' Court of Columbia County. In the matter of the partition of the real estate of Abraham Stine, late of the Town of Bloomsburg.

To the heirs, Mary Stine, Bloomsburg, Pa., Sarah S. Billman, Liverpool, Perry County, Pa., Isabella Murray, Mount Carmel, Northumberland County, Pa., Edward Stine, 36 North 8th Street, Reading, Pa., Jane Chrisman, Bloomsburg, Pa., Hattie Yeager, Bloomsburg, Pa., Mary Jones, Sagan, Northumberland County, Pa., Jessie E. Stine, Bloomsburg, Pa.

Description of the premises in question is as follows: All that certain house and lot situated in the Town of Bloomsburg, Pa., beginning at the northwest corner of West First street, and Murry Alley, thence westwardly along said First street eighty-six feet to a corner, and land of J. H. Geiger, thence northwest along the said land, one hundred feet to the eastern bank of Fishing Creek, thence eastwardly along said creek one hundred feet, to the place of beginning, whereon are erected a Double Frame House and out-buildings.

Take notice, that in pursuance of an order of the Orphans Court of the County of Columbia, aforesaid, a writ of partition has issued from said Court to the Sheriff of said county, returnable on the 4th Monday of September Term of the said Court, being September 27th, 1909, and that the inquest will meet for the purpose of making partition of the real estate of the said decedent on Friday, September 17th, 1909, at 10 o'clock in the forenoon of said day, upon the premises, at which time and place you are requested to be present, if you see proper.

CHARLES B. ENT, Sheriff.

Sheriff's Office, Bloomsburg, Pa., Aug. 16, 1909. 8-10-0t.

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