

THE COLUMBIAN.

BLOOMSBURG, PA.

THURSDAY, JULY 8, 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.

THE ROSE BUG.

The rose bug is a common and familiar insect which attacks a great many cultivated plants, trees and bushes by devouring the foliage while in the adult stage. In regard to this pest, State Zoologist Surface says:

"It is not a 'bug' but a beetle, as it has chewing mouth parts and eats the tissue of the leaves, making them appear to be perforated with numerous holes with quite irregular edges. The larvae of this beetle live in the ground, and there transform to the pupal or resting stage and remain over winter. Deep cultivation of the soil and other plants they infest is advisable. Growers should watch for the first coming of these beetles, and jar them from the branches on sheets saturated with oil stretched on the ground, or held to catch the pests; or into a hopper-shaped cloth bug-catcher. They can also be picked by hand, or shaken from the trees, bushes or plants and sprayed with pure kerosene or exceedingly strong soap solution, while on the ground. In dealing with them in this manner the leaves and plants will not be injured by the strong spray.

"To keep the 'bugs' from attacking the small and tender grapes on the vines, it is advisable to cover the bunches with paper bags as soon as possible after blossoming and setting of the fruit."

FOR THE YOUNG SAN JOSE SCALE.

State Zoologist Surface is calling attention to the fact that the young of the San Jose Scale are just commencing to appear. They are sulfur or lemon yellow in color, and resemble fine grains of corn meal. They crawl for the first day or two, and then fix themselves forever by sinking their long lash-like tongues into the tissue of the plant. They can never afterward let loose nor be scraped off without being killed by so doing; therefore, it is during their young and free moving existence only that they are carried from plant to plant, excepting when on wood that is to grow again, such as young trees or cuttings.

While young they are delicate and easily killed by mild contact applications, such as for plant lice, a strong solution of soap or tobacco, or an eight per cent. kerosene emulsion. As soon as fixed they commence to secrete a waxy covering, which gradually thickens and protects them. Therefore, the younger they are when the contact sprays are applied the more readily they can be destroyed. Being sucking insect, rather than chewing, arsenical poisons do not affect them.

The great difficulty in fighting the San Jose Scale is that the young do not appear at once, but a number are born each day for a month, and these grow rapidly and soon commence likewise to produce young bearing living young. This makes the total annual increase appear almost incredible, amounting to over three billion in one season.

The parent is so well protected by the hard shell that nothing but strong contact sprays will kill it, and if such sprays be applied when the plants are in leaf the foliage will be destroyed. To kill all the young the trees should be sprayed at least twice per week for over a month to reach the limit of reproduction by the original parent.

THE NORWAY MAPLE LOUSE.

The occupant of a suburban home in the vicinity of Philadelphia addressed a letter to the Division of Zoology of the Pennsylvania Department of Agriculture, in which

How's This?

We offer One Hundred Dollars reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.

J. CHENEY & CO., Toledo, O. We, the undersigned, have known J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by his firm.

WALDING, KINNAN & MARVIN, Wholesale Druggists Toledo, O. Hall's Catarrh Cure is taken internally, acting directly upon the food and mucous surfaces of the system. Testimonials sent free. Price 75 cents per bottle. Sold by all Druggists.

Take Hall's Family Pills for constipation.

he stated that 'There is an insect which is destroying the leaves of shade trees throughout this section, having much the appearance of a louse, and it is especially noticeable on the Norway Maple trees.' He then inquired: "Would you kindly inform me what sort of mixture you would spray with in order to rid the trees of the pest, as I have already tried Paris green, but with no effect?"

Professor Surface answered: "Replying to your inquiry concerning the Norway Maple Louse, I beg to say that there is such a pest common on these trees throughout this State. It can be killed by spraying with one pound of whale oil soap, dissolved in six gallons of water, or with an eight per cent. kerosene emulsion, or with a stronger solution of any other kind of soap."

"However, I do not regard it as a seriously destructive pest, although I have often seen it cause many leaves to fall from the trees. Those trees which have been infested have soon regained their foliage, and as it is a difficult task to spray a maple tree properly, I do not find many people doing this, even though we recommend it. In spraying for plant lice you must strike the under sides of the leaves, in order to kill the lice that are there found. Otherwise they would not be injured.

"Of course, Paris green has no effect upon them, because they are sucking insects, rather than chewing insects, and it is used only for the latter. These plant lice often cause a waxy or oily appearance beneath the trees, caused by the sweat liquid, known as honey dew, which they secrete and drop. It also falls upon the leaves and makes them have a varnished appearance, while in this liquid there develops a black fungus, resembling smut or soot, which sometimes gives the leaves a bad appearance. However, it is not as bad as it looks. The chief thing to do is to keep the trees well watered, so as to keep them growing, and they will overcome the effects of this pest. It would be a benefit to the trees to add a teaspoonful of nitrate of soda to each gallon of water with which you water them."

How to Avoid Heat Prostration.

State Health Department Gives Timely Advice for Hot Weather Sufferers.

Hot weather hints of a practical kind both to aid the victim and to prevent cases of sunstroke or heat exhaustion, are the theme of a bulletin issued by the state department of health which says:

"Sunstroke or heat stroke is nearly always produced by exposure to the direct rays of the sun. It comes on, as a rule, without warning. Those affected should be removed to a shady spot, placed in a recumbent position, the clothes loosened and cold water or ice applied immediately to reduce the high temperature, which is the cause of death in fatal cases. Whiskey or stimulants are extremely fatal in these cases.

"In heat exhaustion we frequently find some precautionary symptoms, such as a tendency to nausea, vomiting, dizziness, a feeling of faintness and at times a sense of tingling throughout the body. During extremely hot weather persons having any of these symptoms should go to a shady spot, sit down or lie down, loosen the clothing, especially around the waist and neck and keep perfectly quiet, awaiting medical attendance.

"These suggestions are made for emergencies as they may occur upon the streets, but the best advice is to prevent the possibility of the occurrence of those attacks. This can easily be accomplished by maintaining health as the normal healthy man rarely suffers. Heat producing foods are not necessary in summer as they are in winter and they, therefore should be cut down, especially red meats. Plenty of cool water between meals. The habit should be regular; both the bowels and stomach cared for; avoid constipation; a requisite amount of sleep in a well ventilated room should be taken; above all things avoidance of alcoholic or malt liquors. Care should also be exercised in clothing. Dark, close fitting, heavy clothing, compressing the chest and neck, should not be worn."

To Go Back to Old Schedule.

In line with other companies taking advantage of the Supreme Court's decision on the two cent rate law, the Delaware, Lackawanna & Western has announced that on August 1st it will go back to its old schedule based on a 2 1/2 cent rate.

Children Cry FOR FLETCHER'S CASTORIA

Forecast for July.

Look Out for Much Rainfall and Violent Storms

Rev. Irl R. Hicks, in Word and Works, makes the following forecasts for July:

A regular storm period covers the 1st to the 6th of July, being central on the 3rd, with full Moon at extreme declination south on the same day. The storm diagram shows that the period of both Mercury and Venus begin at the opening of July, hence their combined perturbing influences will be felt at this first July storm period.

Very high temperatures will prevail from about the 2nd to the 5th, causing a warm wave to pass eastwardly over the country on and about those days. From 3rd to 5th, low barometer and blustering, violent storms will visit many localities in their eastward sweep over the country. While we do not look for a heavy general rainfall in July, the combined forces of Venus and Mercury will naturally cause some-violent local downpours. As the storms move to the eastward, the barometer will rise west of storm areas, bringing cooler, westerly winds and fair weather; but in advance of these changes most parts of the country will have blustering to violent thunder storms, say about the 3rd to 5th. The 4th promises rain and thunder storms for many localities. A period of seismic probability is central on the 3rd, extending from June 29 to the 6th.

A reactionary storm period is central on the 8th, 9th and 10th. Look for heavy thunder gusts and driving rain squalls. On and touching the 9th storms will reach their crisis. A sharp change to rising barometer, with cooler winds from the west will bring up the rear of these storms.

A regular storm period is central on the 14th, extending from the 12th to 16th. The high temperature and storms may not reach a final crisis until the conjunction of the Moon with Earth and Sun on the 17th. This period promises the heaviest rains, perhaps, of any period in this month.

A reactionary storm period is central on the 19th, 20th and 21st. This period lies at the center of the Venus period, and the characteristic of the Venus disturbance will be noticeable in black blustering storms, and scattering local downpour of rain.

A regular storm period is central on the 27, extending from the 24th to the 28th. It will not be surprising if threatening conditions last for several days before and after the center of the Venus period, the 22d. Heavy electrical storms and violent summer gusts are very probable about the 23rd, and from that date on through the period 24th to 28th.

The Moon will be approaching its extreme declination south, at its full, as the period culminates; hence a change from excessive summer warmth, and probable "hot winds," is apt to follow up the storms of this period, with the rising barometer and northwesterly winds that bring up the western tangents of storm areas.

Ballooning.

Ballooning is not so entirely devoid of hazard as to be uninteresting. On Saturday a balloon in California caught fire, and the aeronaut was fatally injured. Near New York a balloonist made a descent by parachute, and had to hang on to telegraph wires while a train rushed by. In Michigan a woman balloonist was caught among some high tension electric power wires when she was trying to make an ascension, and she was shockingly burned. A little more safety as well as certainty and celerity will have to be introduced into the business before aerial navigation can be recognized as an established means of transit.

Progress in Cuba.

With the beginning of the present fiscal year the Republic of Cuba established a Bureau of Information, President Gomez appointing Leon J. Canova, an American newspaper man, who has resided in Cuba eleven years and has a wide acquaintance with the Island, as its director.

Parties wishing information of any nature concerning Cuba can obtain same, free of charge, by writing to Leon J. Canova, U. and I. Bureau, (Utility and Information Bureau,) Department of Agriculture, Commerce and Labor, Havana, Cuba.

In a Pinch use Allen's Foot-Ease.

A powder to shake into your shoes. It cures hot, tired, aching, swollen, sweating feet and makes walking easy. Takes the sting out of corns and bunions. All druggists 25c. Don't accept any substitute.

A Letting.

The Building Committee of the Bloomsburg School Directors will receive proposals up to Thursday, July 15th, 1909, at 12 o'clock noon for the erection of a four room addition to the Fifth street school building Bloomsburg, Pa. Plans and specifications may be procured on and after Thursday, July 8th, 1909, from the chairman of the committee. The Building Committee will supervise the work. The right is reserved to reject any or all bids. The successful bidder must enter into a contract within twenty-four hours after the award is made with approved security in the sum of \$5000 for the faithful performance of the contract.

J. C. BROWN,
FRED IKELER,
J. H. MERCER,
Building Committee.

7-8-11

Time is Money.

Your leisure time may be turned into money. Write to the Circulation Department of *The Philadelphia Press* and find out how you can do it. A liberal reward for a little exertion right in your home town. Ministers and school teachers will find this a pleasant and profitable way of adding to their incomes.

Write to-day to the Circulation Department of *The Press*, Seventh and Sansom Streets, Philadelphia, Pa., and mention where you saw this.

For Every Living Thing on the Farm
Humphreys' Veterinary Specifics.

500 Page Book free, on the Treatment and Care of Horses, Cattle, Sheep, Dogs, Hogs and Poultry, also Stable Chart to hang up, mailed free, Humphreys' Med. Co. 156 William Street, New York. 11.

CHARTER NOTICE.

Notice is hereby given that an application will be made to the Governor of the state of Pennsylvania, on Monday, the 26th day of July, A. D. 1909, by Lewis S. Clewell, Adam Hummel, Christian A. Small, A. J. Hummel, and William B. Ferguson, and others, under the Act of Assembly of the State of Pennsylvania, entitled "an act to provide for the incorporation and regulation of certain corporations," approved the 29th of April, 1874, and supplements thereto for the charter of an intended corporation to be called Bloomsburg Brick Manufacturing and Construction Company, the character and object of which is the manufacturing of brick and construction of buildings and for these purposes to have and enjoy all the rights, benefits and privileges of the said Act of Assembly and supplements thereto.

CHRISTIAN A. SMALL,
7-8-31. Solicitor.

CHARTER APPLICATION

Notice of Application for Charter. Notice is hereby given that application will be made by E. R. Sponsler, M. I. Low, A. W. Duy, C. M. Creveling, and W. F. Lowry to the Governor of Pennsylvania on the 19th day of July A. D. 1909, at 10 a. m., under the provisions of an Act of Assembly, entitled "An Act to provide for the incorporation and regulation of certain corporations," approved the 29th day of April, A. D. 1874, and the supplements thereto, for a Charter for an intended corporation to be called "Catawissa Electric Company", the character and object of which is to supply light, heat and power, or any of them, by electricity to the Borough of Catawissa, County of Columbia, and State of Pennsylvania, and to such persons, partnerships and corporations residing therein or adjacent thereto, as may desire the same, and for these purposes to have, possess and enjoy all the rights, benefits and privileges of said Act of Assembly and the supplements thereto, conferred.

A. W. DUY,
W. H. SPONSLER,
7-1-31. Solicitors.

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A. W. DUY,
W. H. SPONSLER,
7-1-31. Solicitors.

ADMINISTRATOR'S NOTICE.

Estate of William H. Lord, deceased, late of the Town of Bloomsburg, Pa.

Notice is hereby given that letters of administration on the estate of William H. Lord, late of the Town of Bloomsburg, Pa., deceased, have been granted to the undersigned, administrator, to whom all persons indebted to said estate are requested to make payments, and those having claims or demands will make known the same without delay to FRED E. LORD,

Administrator, Espy, Pa.
J. G. FREEZE, Atty. 6-10-01.

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