

THE ANATOMY OF A MOSQUITO

HE scientists in the service of the United States and the states which are waging war on the mosquito have discovered a new method of exterminating the pest. This method consists in propagating and distributing a parasitic worm which lodges in the body of the mosquito and kills it or checks its egg-laying power.

It has for several years been recognized that the mosquito is one of the worst public enemies of the American people. Upward of 15,000 deaths occur from malaria, which is spread by the mosquito alone. This figure does not count the vast number of people whose systems are weakened by malaria and thus easily succumb to other diseases. The discomfort caused by the mosquito in many parts of the country is also a grave injury to property. Therefore, anything which tends to exterminate the mosquito is of immense public benefit.

How greatly some regions are in need of relief from mosquitoes may be seen from the dispatches from Cleverly and Tigra, a large, fertile island in the Gulf of Mexico. The mosquitoes there have bred in such quantities that the inhabitants have been tormented in their doors together, while the cattle have been killed by the mosquitoes filling up their nostrils and throats and choking them.

The new worm which kills the mosquito is known to science as *agromyza culicis*—meaning "roundworm of the mosquito"—and is recognized as a destructive parasite of the wicked insect. It is also called the "hair-worm." In many places on account of its resemblance to a hair, it is called at least part of its life in the belly of the mosquito, and in the case of the female, when it does not kill her, it remains her from reproducing her species—a result equally satisfactory.

Very little is known of the life history of the worm, or how it spends the early stages of its existence. It is a new discovery. It was first found and identified only a short time ago, and John B. Smith, Ph.D., an entomologist attached to the U.S. Department of Agriculture, experiment station, at New Brunswick, has charge of the mosquito survey of his district, which has a wide-spread reputation for producing a remarkable crop of mosquitoes.

There are, as is well known, many species of mosquitoes in New Jersey. But the worst of them all, so far as ability to annoy goes, is the brute with striped legs. This is the real and original "Jersey mosquito." It breeds in marshes, though it flies thence, for great distances, and scientific men know it as "cutler lettuce."

Necessarily, this species cuts a very large figure in the problem which Dr. Smith is engaged in tackling. With a view to studying its life history in detail, he has built on a marsh a cage of wire net, with a framework of apparatus, big enough for himself to occupy. In this cage he has introduced marsh mosquitoes, watching them through all the stages of their development, in the midst of their natural surroundings. Incidentally, he has subjected many specimens to microscopic examination, to find out how the eggs case of the females developed, and other such points.

On a number of occasions, while thus studying the female insects, he noticed that their abdomens seemed abnormally enlarged. Incidentally, his curiosity being aroused by this phenomenon, he tore open the belly of the insect, and found the contents of it two-hair-like worms about an inch long, and nothing else. They were something new to him, and so he sent the worms to the government entomologist—signifying "worm man" in Washington.

The worm man, Dr. Charles Wardell Smith, promptly identified the "round worms" of the kind popularly known as "hair worms" or "wire worms." He also gave them the long Latin name already mentioned, and said that they were undoubtedly parasites of the mosquito. But in the

DAIRY-BRED VEALS BRING HIGHEST PRICES

Calf Supply Is Not Increasing and Consumption Is Evidently Surpassing Production in the Larger Cities.

Veal never sold as high as at present in the markets of the United States. At Chicago choice veals have been largely taken by killers at about \$100 per hundredweight, and \$9.50 has been a common quotation in eastern markets. Veal appears to have acquired popularity, but current high prices are coincident with a lofty market and almost prohibitive quotations on the succulent pork chops. The cause of these high prices is reflected in demand for yearling cattle of both sexes and it means that the American people are demanding light cuts of all meats, showing a willingness to pay a premium when their taste is consulted.

Not all calves command top prices, for the veal eater is a discriminating individual. Color counts with him and the calf that can be converted into the pink veal epicure prize must have been separated from his dam but a short time before slaughter. Range cattle usually reach market hungry and in feverish condition and the meat drosses a dark hue, necessitating sale at lower price than meat from dairy calves shipped from points close to Chicago and killed before hunger has become acute and the lit-



Light Dairy-Bred Veals That Bring Highest Prices.

tle bastards become feverish and excited, says Breeder's Gazette. All buyers appreciate the necessity of shortening the life of the calf as much as possible after it reaches the stockyard. The calf-killers prize weight around or close to 130 pounds that to the Chicago market from southern Wisconsin and northern Illinois. Breed counts for nothing, quality and weight everything in determining prices, and a Shorthorn calf has no advantage over a Jersey. It is a fact, however, that more Holstein calves sell at high prices than any other breed, not because they make better veal, but for the reason that Holstein cows compose in a large measure the herds of intelligent dairymen who know how to fit a calf for the veal's purpose. Milk may be high, but feeding it to a calf to a limited extent is not profitable.

Despite the fact the dairy industry

THE VERY SOUL OF TRAGEDY

Recital of Wrong Calculated to Draw Tears from the Eyes of a Grieving Image.

Some misceant, unresponsive to the beauties of nature and of the sweet charm evoked by the combination of two friends, a stary sky and a broad expanse of water, sat some rain of material whose phlegmatic disposition was never stirred at a philanthropic act, some petty seeker after the good of his neighbor, had stolen the bright, comfortable bench so fittingly placed on the Mulberry street wharf by Harry J. Arnold and Robert King. At least the bench has disappeared, and all that meets one's eyes upon the green award are the two upright posts that supported the back of the seat. No other trace of the bright, sunny, soothing recesses and gaze upon the silvery moon, regent of the night, illumining her in her ecstasy to his lady fair.

No more, alas, can betrothed pair seek its secrecy and drink the love-light from each other's eyes, silent but for the words their souls speak through their optics. Again, alas, no more can melancholy philosopher, disgusted with the ways of men, plead for its sequestered place and companionship only in the mean, smooth running stream and the limitless universe above. In short, all the pleasures derived from this scene are gone, and we sit here after being forced to stand or sit on the edge of the wharf and let our feet dangle—little, but our hearts are torn. —Harris, Correspondent Doylestown Republican.

CHILD ATE CUTICURA OINTMENT.

Spread Whole Box of It on Crackers—Not the Least Injury Resulted.

A New York friend of Cuticura writes: "My three year old son and heir, after being put to bed on a trip across the Atlantic, investigated the state-room for his requested place and found a box of Cuticura Ointment. When a search was made for the box, it was found empty and the mother, who had been told that the contents of the entire box spread on the crackers, it cured him of a bad cold and I don't know what else." No harm, it is said, resulted, could be offered that every ingredient of Cuticura Ointment is absolutely pure, sweet and harmless. If it may be used on a young child, none but the most beneficial results can be expected to attend its application to even the tenderest skin or youngest infant.

And He Suffered.

Little Willie and a girl friend from an attack of toothache, had paid his first visit to the dentist, accompanied by his mother. On his return from the office that evening, he was naturally much interested. "Didn't hurt?" asked father. "No, it hurt a little, but I didn't mind it. —Weren't you scared when the dentist put you in that big chair and started all those rizz-zizz-zizz things?" "Oh, not so much. The dentist said, 'That was a brave boy. But, surely you suffered.'" "Of course I suffered. But I just kept my teeth over and over the golden teeth had in Sunday school last Sunday."

The Thirst for Gore.

Unsophisticated Onlooker—Think this is a first rate place. So what a fine view we have of this car coming. Seasoned Spectator—Fine view indeed! Nothing ever happens on these straight stretches—not even a broken tire. Come on down to the turn and wait for the fun. —Puck.

There are \$15,000,000 worth of buttons made in this country every year. Yet lots of men use nails to connect their suspenders with their trousers.

Mrs. Winslow's Washing Starch. It makes the clothes white and clean. It is sold in all drug stores and is the best. —Advertisement.

Beware of Ointments for Catarrh That Contain Mercury.

As mercury is a powerful and most dangerous poison, it is not surprising that many people who use ointments for catarrh of the eye, nose, or throat, find that they do not get any relief. The reason is that the mercury in the ointment is absorbed into the system and causes general poisoning. It is therefore, a mistake to use any ointment for catarrh that contains mercury. The only safe and effective treatment for catarrh is the use of the natural drainage system.

Weakened by Alcohol.

Dr. Bertillon, the eminent French vital statistician, has shown that tuberculosis is twice as prevalent among the retail liquor dealers of France as among other shopkeepers. He attributes this to the fact that the alcohol which they handle and use all day long weakens their bodies and thus renders them more susceptible to disease.

Exercise Recommended.

Wear your watch—What time is it like a sailor? Why, I've been following the sea for 30 years.

Farmer Haycrop—Well, you keep following it for 30 years, and I've never seen you catch up with it.—Life.

Ancestral pride is the safest thing in the world. Our ancestors are too dead to kick about the liberties we take with them.

No matter how long your neck may be, if you wear a collar, it will surely put it to rest. —Advertisement.

When a woman has occasion to loaf, she calls it either shopping, visiting or entertaining. —Advertisement.

A NURSE'S EXPERIENCE.

Backache, Pains in the Kidneys, Blotting, Etc., Overcome.

A nurse is expected to know what to do for constipation, and when the sufferer complains of backache, constant languor, and other common symptoms of kidney complaint, should be grateful to Mrs. Minnie Turner, of E. St. An-darke, Okla., for pointing out the way to find quick relief. Mrs. Turner used Doan's Kidney Pills for a run-down condition, backache, pains in the sides and kidneys, bloated limbs, etc. "The way that she put me up is simply marvelous," says Mrs. Turner, "and I feel so much better now. My health improved rapidly. Five boxes did so much for me I am telling everybody about it."

Remember the name—Doan's. Sold by all dealers. 50 cents a box. Foster-Milburn Co., Buffalo, N. Y.

HEALTH TOO PRECIOUS



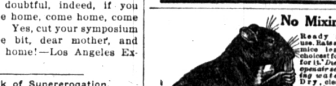
"What do you mean by refusing to chop some wood after the good dinner I have given you?" "Well, lady, de highest medical authorities agree that workin' on a full stomach is injurious, and I don't want to run any chances of ruinin' me super health!"

On a Time Limitation. In spite of the reputation for latitudinarianism he gained from his early trial for heresy, the late Prof. Jowett of Oxford was intolerant of pretentiousness and shallow conceit. One self-satisfied undergraduate met the master one day. "Master," he said, "I have searched everywhere in all philosophies, ancient and modern, and nowhere do I find an evidence of a God." "Sir," replied the master, "after a shorter pause than usual, 'if you don't find a God by five o'clock this afternoon you must leave this college.'"

Come Home, Mother. Mother, dear mother, come home from the club, and rustle some supper for me; 'tis time you were here to see the grub and getting things ready for tea. The table's not set nor the teakettle boiled, the vegetables are not prepared; no wonder my temp' and feelings are rattled, though 'tis doubtful, indeed, if you cared. Come home, come home, come home home. Yes, cut your symposium from a web bit, dear mother, and bustle right home!—Los Angeles Express.

DR. D. JAYNE'S Expectorant

is the oldest and best known medicine in the world for relieving and curing Coughs, Colds, Bronchitis, Pleurisy, Whooping-Cough, and Diarrhea of this kind. Your druggist will supply you. In three size bottles, \$1.00, 50c, and 25c. Dr. D. Jayne's Tonic Vermifuge is an excellent tonic for both adults and children. It is also a safe worm medicine.



Rat Bis-Kit

Henry dislikes being bathed and argues with his mother over every square inch of his four-year-old anatomy. One night, when his patience was especially tried by her over-anxiety, he exclaimed: "Oh, mamma, couldn't you skip my stomach? Nobody ever sees my stomach!"—Judge's Library.

DYOLA DYES

It is fast, beautiful in color, the most perfect color fast dye. It is sold in all drug stores and is the best. —Advertisement.

Readers of this paper desiring to buy...

W. N. U., DETROIT, NO. 41-1909.

COLT DISTEMPER

It is fast, beautiful in color, the most perfect color fast dye. It is sold in all drug stores and is the best. —Advertisement.

It is Not Enough to Buy Good Paint.

YOU must also buy the paint or varnish that is suited for the purpose you have in mind. A paint may be good for the outside of the house, and yet not suitable for use on a wagon. A paint for stoves would not make a good floor paint, and so on. To get perfect satisfaction you must buy the special paint or varnish for the work you intend to do. The Sherwin-Williams Co. specializes in the making of a good quality paint, stain or enamel for every purpose about the home or farm. All makers you buy do this. They lay out either the experience or the facilities. When you buy paint for Sherwin-Williams. If your dealer does not handle, write us.

SHERWIN-WILLIAMS PAINTS AND VARNISHES

Write for Booklet. 601 Canal Road, Cleveland, Ohio.

QUICKEST WITH SAFETY RISO'S CURE

For the baby often means rest for both mother and child. Little ones it soothes—its so palatable to take. Free from opium. All Druggists, 25 cents.

PUTNAM FADELESS DYES

Color never fades brighter and faster colors than any other dye. One box packages contain all colors. They do not fade in cold water better than any other dye. You can dye your clothes in hot water. Write for free booklet. Putnam Dye and Finishing Co., Quincy, Illinois.

FATTENED ON ALFALFA AND CORN

In Nebraska many farmers fatten their hogs entirely on alfalfa and corn. The alfalfa is the staple crop of the state, and when fed with corn, alfalfa produces larger gains than any other feed. Alfalfa and corn should be fed in equal portions, and this ration beats corn alone. Alfalfa is an excellent maintenance ration and will produce excellent pork. It is fed in connection with corn in many parts of the state, and the results are excellent. The pigs in the picture were fattened at the state experiment station on corn and alfalfa and made an average gain of 5 1/2 lbs. per week.

SOME POINTS FOR FEEDERS

Co-operative Effort. Two forms of co-operative effort are tried here: Farm fire insurance and respondent. The good roads question is agitating the farmers most of anything at present. Seven out of ten of the farmers voted on hard road proposition, and each one carried in the affirmative. What the farmers of our country want is some good state laws and aid without too many frills and red tape. Heating plants and water systems are being installed in the homes of the modern farm homes. The abundance of natural gas that is found in the West is a local question, but this is a popular heat, and in most parts of the country natural drainage is good.

Specialized Farming.

This is a day of specialization all right, but specialization in farming means that a man raises, or grows, crops for family and stock, then puts his best lands in on some particular line of farming. However, the farmer who specializes too much, if he the one-part farmer, has overstepped the legitimate limits of such and the law of diminishing returns will surely put him out of the business of farming.

Imported Weeds.

It is claimed that thousands of dollars worth of weeds are annually imported into this country to be used in making machine parts. Such quantities of imported weeds are used in the making of machine parts, and the quantities are so large that the value of a million dollars was paid last year for 5,000,000 pounds of wild mustard alone.

Dissertation On The Dawn

Humorous Writer in Lippincott's Makes a Few Remarks of More or Less Value.

The most difficult, exasperating and rankerous pessimist with which the smiling, festive and irrepressible optimist has to deal in the fellow who takes some stock in the fact that it is always darkest just before dawn. There is, of course, no argument over the fact that dawn is always darkest, even if it is more pleasant to stay up for it, under proper conditions, than to get up for it, but says the pessimist, and he doesn't doubt the adage, one cannot tell what is the darkest, until it actually sees the dawn. He is likely to say, further, that if it's going to be dawn, sooner, let it get dark as—almost anything, and the sooner and darker, the better. One positively cannot argue against such logic, for, as aforesaid, dawn is a joyous occasion, except to the man who is asleep, and he doesn't count. As for the man who is intoxicated, it

is also a question whether many of the beauties of dawn are not lost, because he is already so busy with his own responsibilities that he cannot take up any new joy.

Then there is the man who would stay up all night in a brilliantly lighted room, and then, when the dawn comes, repeating the word "good-bye" with a glare of criticism such a man would want to protest to claim that there was no dawn, and that it was still dark inside. But, if after setting up, went out at the first faint blush of dawn, it would look to him like about noon, and he would be ready to allow candles, and it might require several subsequent sittings with the cards remaining better to dispel the hallucination.