

**MOSQUITOES AND MALARIA.**

**PART PLAYED BY THESE PESTS IN SPREADING MALARIAL FEVER GERMS.**

**Result of Recent Scientific Investigations as to the Cause of Malaria. Poison—Traced to the Sting of a Certain Variety of Mosquito—How They Breed and the Precaution Necessary to Their Prevention.**

The most prevalent disease in North Carolina, certainly from now until frost, is malarial fever in one form or another. It is by no means confined to the low lying Eastern section of the State, but is quite abundant in many localities in the hill country, having been reported even from Cherokee.

By recent scientific investigations the cause of the fever has been shown to be a microscopic animal known as the plasmodium malarie or hem-amoebe vivax, which feeds upon the red corpuscles of the blood—hence the pallor of persons suffering from chronic malaria. The development of this little parasite in the blood is as follows: One of the spores, or baby germs, so to speak, enters a red corpuscle and, feeding on its contents, grows until at the end of twenty-four hours it has become nearly as large as the corpuscle. It then, by a process known as segmentation, splits up into a dozen or more little spores again, which for a short time are free in the blood and unattached to the corpuscles. It is just as the segmentation occurs that the chill comes on, which explains the periodic recurrence of the chill every twenty-four hours, and as it has been found that quinine is most effective in killing the germs while they are free in the blood and not buried in the substance of the corpuscles, the best time to give quinine is just before the chill is expected.

The method of the introduction of the malarial poison, the plasmodium, certainly the chief method, has been demonstrated beyond all question to be the sting of a certain variety of mosquito known as anopheles, the common mosquito, which while more abundant is innocent as a carrier of disease, being known as culex. The latter species will breed in still water of any kind, no matter how pure, but the former, our enemy, will only breed in stagnant pools in which there is a certain amount of vegetable matter, especially if there are no fish, such as top minnows or sunperch, which feed upon the larvae or wiggletails. This explains the fact that malaria is much more abundant after freshets, in the course of which the stream, getting out of its banks, washes holes in the ground, and speedily falling leaves these stagnant pools with few or no fish in them. Mosquitos are very much more abundant this exceptional year of freshets than usual. It also explains the danger of brick holes.

The larvae, or wiggletails, as we generally call them, are the young mosquitos. Although they live in the water from the time they are hatched from the time they are laid on the surface until they reach maturity they cannot live without air—they must breathe. Contrary to the general rule, they breathe "wrong end foremost"—through a long breathing tube which springs from the body near the tail and which they stick out of the top of the water when they want air. The bearing of this arrangement on their destruction will appear later.

There is a popular misapprehension in regard to the movement of mosquitos. The general impression is that they are carried by the wind, and people at the seaside say that a land breeze brings mosquitos. It is a fact that they are more abundant when the breeze is from the land or in a calm, but according to those who know best that fact probably is not that they are blown from the swamps to landward, but that they simply come out again from the trees and shrubbery and the sea side of houses where they had taken refuge from the strong sea breeze which was too rough for their fragile bodies. With rare exceptions they travel, it is said, seldom more than a mile, and generally not so far. When one is troubled with mosquitos a careful search will almost always reveal stagnant water in the near vicinity. The destruction of mosquitos

and the consequent prevention of malaria is accomplished in two ways: First and best, by the thorough drainage of all stagnant pools of water, and second, by keeping the surface of such pools covered with petroleum, what is known as light fuel oil, or even the crude petroleum being better and cheaper than ordinary kerosene. The film of oil prevents the larva from breathing and smothers them. The quantity necessary is one ounce or two tablespoonfuls to every fifteen square feet of surface, repeated every two weeks. This oil method was employed with great success last year by the city of Winchester, Va., and our own town of Tarboro has recently shown a most commendable spirit of enterprise in adopting it. Some care and a little expense in securing protection against mosquitos and in providing a supply of pure drinking water will practically insure against malaria.

To those interested in this subject I cordially commend a very interesting and valuable book written on mosquitos written in popular and entertaining style by Dr. L. O. Howard, the Chief Entomologist of the United States, and published by McClure, Phillips & Co., New York, at a cost of \$1.64, postpaid.

**RICHARD H. LEWIS, M. D.,** Secretary State Board of Health.

**Astounded the Editor.**

Editor S. A. Brown, of Bennettsville, S. C., was once immensely surprised. "Through long suffering from Dyspepsia," he writes, "my wife was greatly run down. She had no strength or vigor and suffered great distress from her stomach, but she tried Electric Bitters which helped her at once, and, after using four bottles, she is entirely well, can eat anything. It's a grand tonic, and its gentle laxative qualities are splendid for torpid liver." For Indigestion, Loss of Appetite, Stomach and Liver troubles it's a positive guaranteed cure. Only 50c at Hood Bros.

**Train Struck a Tough Bull.**

Elizabeth, N. J., Aug. 25—The locomotive of an eastbound train on the Long Branch road ran into a bull owned by James Brady, a farmer of Rahway avenue this afternoon, hurling the beast high in the air. In coming down the bull struck a cow grazing near the track, knocking her on the rails. She was killed by the locomotive, which hit the bull again, flinging him into a ditch, where he lay some time.

Finally he got up, and, with a roar, scampered off and began to graze as if nothing had happened. The series of impacts jarred the locomotive, but it kept the track. The flagman at Castaret stopped a passing train, the crew of which pushed the mangled carcass of the cow off the track. The accident delayed travel half an hour. Brady will sue for the value of the cow.

Mrs. S. H. Allport, Johnstown, Pa., says: "Our little girl almost strangled to death with croup. The doctors said she couldn't live but she was instantly relieved by One Minute Cough Cure. Hare & Son, Hood Bros., J. R. Ledbetter.

An obedient husband up in Franklin county, Me., was objecting to do certain work about the house, and he quoted scripture to his wife showing that the household duties should properly be assigned to the woman. The good wife replied by reading to her astonished liege II Kings xxi: 13, "I will wipe out Jerusalem as a man wipeth a dish, wiping it and turning it upside down." That husband has wiped the dishes ever since.

**Stops the Cough and Works off the Cold**  
**Laxative Bromo-Quinine Tablets** cure a cold in one day. No Cure, no Pay. Price 25 cents

By the collapse of a burning oil tank Wednesday at the Atlantic refining company's plant at Point Breeze, Philadelphia, where a fire has been raging since Monday afternoon, about 100 persons, firemen, employees of the company and spectators, were more or less severely burned. It is difficult to secure an accurate idea of the loss. President Lloyd of the Atlantic refining company said that even the officials of the company did not know how many tanks had been destroyed. He estimates the loss at \$300,000 or \$400,000.

Efforts, to be permanently useful, must be uniformly joyous, a spirit of all sunshine, grateful from very gladness, beautiful because bright.—Carlyle.

**AROUND SANDERS CHAPEL.**

Miss Gussie Smith is spending this week with her brother, Mr. W. A. Smith.

Mr. Harry P. Stevens, of Goldsboro, spent Saturday and Sunday with Mr. Thomas J. Holt.

Master Dan Powell and Master Beverley Whitley left for Sampson county Saturday, where they will spend some time with relatives.

"Uncle" John Smith, who has been quite sick, is much improved.

Mr. C. S. Powell returned from Wrightsville last Saturday.

Messrs. W. C. Smith and J. C. Whitley returned from Clinton Sunday accompanied by Miss Annie Martin, of Faison.

Miss Nona Powell is at home again, much to the delight of her many friends.

Rev. K. D. Holmes delivered an interesting sermon at Sanders Chapel last Sunday, but did not begin a series of meetings, as was expected. He thinks it will be better a month later, when the farmers will have finished pulling fodder.

W.

**To Save Her Child**

From frightful disfigurement Mrs. Nannie Gallego, of La-Grange, Ga., applied Bucklen's Arnica Salve to great sores on her head and face, and writes its quick cure exceeded all her hopes. It works wonders in Sores, Bruises, Skin Eruptions, Cuts, Burns, Scalds and Piles. 25c. Cure guaranteed by Hood Bros., druggists.

**A Merry Picnic.**

Many thanks are due Mr. and Mrs. Edwards for the nice picnic and good time which they prepared for the young people at Poplar Springs last Saturday, about one and a half miles from Princeton.

The guests were, Mr. C. T. Woodard and Miss Nannie Woodard, Mr. John Blackman and Miss Ida Fitzgerald, Mr. Jon Roe and Miss Delia Edwards.

There were many others that enjoyed the nice picnic. After the delicious dinner was served the merry party returned to Mr. Edwards' to enjoy a few hours with cold drinks, etc. Then the party returned home thinking of the joy of the day.

A FRIEND.

James White Bryantsville, Ind., says DeWitt's Witch Hazel Salve healed running sores on both legs. He had suffered 6 years. Doctors failed to help him. Get DeWitt's. Accept no imitations. Hood Bros., Hare & Son, J. R. Ledbetter.

Diamandi, a native of Pylaros, one of the Greek islands, is a remarkable calculator. After a mere glance at a blackboard on which 30 groups of figures are written, he can repeat them in any order and deal with them by any arithmetical process. It is said that he never makes an error in calculation involving millions, and he can extract square or cube roots with marvelous rapidity and accuracy. Diamandi writes poetry and novels in the intervals of business, and shows considerable intellectual capacity.

If the action of your bowels is not easy and regular serious complications must be the final result. DeWitt's Little Early Risers will remove this danger. Safe, pleasant and effective. J. R. Ledbetter, Hare & Son, Hood Bros.

The trees now growing on the New Hampshire farm where Daniel Webster was born are to be cut up into match sticks, a manufacturing company having paid \$2,800 for the standing timber upon it. The Legislature of New Hampshire refused at its late session to pay \$3,000 for the entire farm, though many patriotic citizens of the state petitioned to have it preserved as a perpetual memorial of New Hampshire's greatest son.

**To Cure a Cold in one Day**

Take Laxative Bromo Quinine Tablets. All druggists refund the money if it fails to cure. E. W. Grove's signature on each box. 25c.

THE HERALD and the National Magazine, of Boston, both one year for \$1.50 in advance. The National is one of the best 10 cent magazines published. Regular price is \$1.00 per year.

**TO MAGISTRATES:—THE** HERALD office is the place to buy your blanks of all kinds.

**Out of Sight.**



It was a trifle uncomfortable for Jones, but then he saved car fare.—New York Evening Journal.

**He Fancied a Sprint.**



Jailer—The rules of this prison allow a day's recreation every year to prisoners, and it's your turn tomorrow. Convict—All right, boss. If you don't mind, I'd like a nice cross country run with somebody.

**Cruelty to Animals.**



First Scientist—I hear that your dog went mad and bit Professor Snagroots. Any serious results? Second Scientist—Yes, the poor dog is barking in Latin and Greek!—Chicago News.

**Can You Eat**

anything you want? Most people cannot. When you can't, it's called "indigestion," which develops "dyspepsia"—the agonizing terror of the age.

**Coleman's Guarantee**

positively cures all forms of indigestion and dyspepsia. "Take it, eat what you want and be happy."

**CURED BY ONE BOTTLE.**

"I suffered for several months with indigestion and could scarcely eat anything without intense suffering afterwards. I found no relief until 'Coleman's Guarantee' was recommended. I bought one bottle, and took it as directed, and from the very first found relief, and by the time I had taken the first bottle was not only feeling better, but was entirely cured."

V. W. JEFFERSON, Danville, Va.

**PRICE 50c. A BOTTLE.**

Sold by all Druggists.

Take no substitute.

COLEMAN REMEDY CO., Danville, Va., U. S. A. For Sale by Hood Brothers.

**—THE— NEW YORK WORLD, Thrice-a-Week Edition.**

Time has demonstrated that the Thrice-a-Week World stands alone in its class. Other papers have imitated its form but not its success. This is because it tells all the news all the time and tells it impartially, whether that news be political or otherwise. It is in fact.

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W. M. Sanders.

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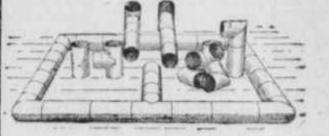


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A HARDWARE STORE WITH A WELL ASSORTED STOCK OF HARDWARE, CONSISTING OF **Stoves, Ready Mixed Paints, Oils, Lead, Guns, PISTOLS, AMMUNITION, TINWARE, GLOBE CULTIVATORS, WAGON MATERIAL, NAILS and HORSE SHOES, POCKET and TABLE CUTLERY, FIRST QUALITY BELTING, SASH, DOORS, BLINDS, LAMPS, Extra Heavy Team Collars, etc. Devoe's Old Reliable Paints and Colors in Oil. Every Gallon Guaranteed. Also Sherin Williams' Paint.**

**Osborne Mowers and Reapers for Sale. 14-FINGER GRAIN CRADLES.**

**Prall's Food.** Wire Poultry and Fish Netting. Wire Screen Doors and Windows.

**Acme Powder Guns for Tobacco.**

**Clayton Hardware Company,**

C. W. CARTER, Owner and Proprietor, D10—tf. CLAYTON, N. C.

**Here is the Place To Save Money.**

IF YOU WANT TO SAVE MONEY GO TO

**R. I. Lassiter,**

SPILONA, N. C.,

to buy your goods. He has a big stock and sells cheaper than any one we know of.

All who owe him for fertilizers can settle with Will H. Lassiter, at the Riverside Warehouse, Smithfield, N. C.

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At Smith's Bakery you will find

Loaf Bread, Rolls, Cakes and Pies.

Also Fruits, Confectioneries, Canned Goods and

**Fancy Groceries.**

My bread is handled by J. W. Liles, Selma; R. E. Creech, Four Oaks; J. W. Canaday, Benson. Your patronage asked.

**W. G. SMITH,**

J15—1m. Smithfield, N. C.

**VALUABLE FARM FOR SALE.**

I have for sale a valuable farm of 542 acres three miles southwest of Smithfield. Well timbered with four-horse crop cleared. Suitable to raise cotton, tobacco or any other crops grown in this section of country. Houses and everything in good condition. It is an extra fine place for stock raising. Could be made in three tracts if buyer so desires. Will sell part cash and balance on good time. Call to see me or write to me.

ALEX MUNS, Smithfield, N. C.

Aug. 1—2m.

**Cash Counts.**

I want to remind you that I carry a full line of

Dry Goods, Shoes, Notions, Hats, Tinware, Groceries, Canned Goods,

And will sell cheap for cash. x x x

**GOOD SHOES A SPECIALTY.**

Country Produce bought for cash or barter. Don't forget me when you come to town.

**J. W. CANADAY,**

July 24-3m BENSON, N. C.

**THIS IS The New Number 8**



**Domestic Sewing Machine,**

FOR SALE BY **J. M. BEATY,** SMITHFIELD, N. C.

**WHITE'S BLACK LINIMENT.** 25c. BOTTLES REDUCED TO 15c. "I have used White's Black Liniment and his other horse medicines with great success and found them to be as represented." "W. L. FULLER, Smithfield, N. C." Druggist.

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