

**THE COMING ECLIPSE OF THE SUN.**  
**ASTROMERS GREATLY INTERESTED**

BY  
**MRS. M. A. TUCKER.**

Written for the Ocala Banner.

"Where ignorance is bliss it is folly to be wise." Again it is said: "This is life eternal, that they may know the only true God, and Jesus Christ whom Thou hast sent."

It seems that life eternal is to know God—not to live. To know God is to correspond with God. How are we to know? Christ said: "Seek and ye shall find;" "Knock and it shall opened unto you."

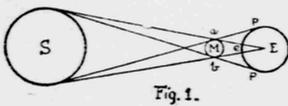
Scientific men have been doing this since the beginning of time. In the world which biology deals' evolution culminates in knowledge. It is not required to see truth before we believe in it, yet the adults are continually asking, "What shall I believe and why?" It is well. It aims at a life long yearning; and right here, we are never to old to learn though many of us may have passed the milestone of sixty years and are ripe for the doctor's morphine and table.

We cannot cheat nature, but with our small gifts we are bigoted and neglecting to sow at all. Christ said: "They have eyes but see not." I looking at the heavenly bodies, the moon came forth with all her splendor and glory and with it the thought all beautiful lights have their shadows and sun time dissipates to shining earth the angularity of facts. Great discoveries generally lead to a variety of conclusions, yet the aberration of life affords a direct proof of the motion of the earth in its orbit and its relation is proved by the theory of falling bodies, since the centrifugal force it induces retards the oscillation of the pendulum in going from the pole to the equator. Thus a high degree of scientific knowledge has been requisite to dispel the error of the senses as it is impossible to trace the path of the sunbeam through our atmosphere without feeling a desire to know its nature, by what power it travels the immensity of space and the various modifications it undergoes at the surface and must turn to science for aid.

The sun is eclipsed when the moon intercepts its rays. (See figure No. 1.) The moon, though incomparably smaller than the sun, is so much nearer the earth that her apparent diameter differs but little from his, but both are liable to such variations that they alternately surpass one another.

Were the eye of a spectator in the straight line with the centers of the sun and moon he would see the sun eclipsed. If the apparent diameter of the moon surpassed that of the sun the eclipse would be total. If it were less, the observer would see a ring of light around the disc of the moon and the eclipse would be annular as it was on the 17th day of May, 1836. If the center of the moon should not be in the straight line adjoining the center of the sun and the eye of the observer, the moon might only eclipse a part of the sun. The variation, therefore, in the distances

of the sun and moon from the center of the earth, and of the moon from her node at the instance of conjunction, occasions great varieties in the solar eclipses. Besides, the height of the moon above the horizon changes her apparent diameter and may augment or diminish the apparent distances of the centers of the sun and moon so that an eclipse of the sun may occur to the inhabitants of one country and not to those of another. In this respect the solar eclipses differ from the lunar, which are the same for every part of the earth where the moon is above the horizon. In solar eclipses, the light reflected by the atmosphere diminishes the obscurity they produce. Even in solar eclipses the higher parts of the atmosphere are enlightened by a part of the sun's disc and reflects its rays to the earth. The whole disc of the new moon is frequently visible from atmospheric reflection. On the 18th of July, 1842, a phenomenon occurred during the total eclipse of the sun. The moon was like a black patch on the sky surrounded by a faint, whitish light about an eighth of the moon's diameter in breadth in which three red flames appeared in form like the teeth of a saw; from what cause they originate or what they were is totally unknown even unto this day. Planets sometimes eclipse one another. On the 17th of May 1837, Mercury was eclipsed by Venus near their inferior conjunction; Mars passed over Jupiter on the 9th of January, 1591, and on the 30th day of October, 1825, the moon eclipsed Saturn. These phenomena, however, happen very seldom because all the planets or even a part of them, are very rarely seen in conjunction at once; that is, in the same part of the heavens at the same time. More than twenty-five hundred years before our great planets were in conjunction. On the 15th of September 1186, a similar assemblage took place between the constellations of Virgo and Libra; and in 1801, the moon, Jupiter Saturn and Venus were united in the heart of the Lion. These conjunctions are so rare that LaBrand has computed that more than seventeen millions of millions of years separate the epoch of the contemporaneous conjunctions of the six great planets.



NOTE.—Solar Eclipse. Let S, Fig. 1, be the sun; M, the moon, and E, the earth; then a, e, b is the moon's shadow which sometimes eclipses a small portion of the earth's surface at e, and sometimes falls short of it. A person at E in the center of the shadow, the eclipse may be total or annular; to a person not in the center of the shadow a part of the sun will be eclipsed, and to one at the edge of the shadow there will be no eclipse at all. The spaces p, b, e; or p, or e are the penumbra.

**Card of Thanks.**

Before returning to Atlanta I desire to express my highest appreciation of the great kindness shown to my son, Morgan C. Looney, and family during his continued debility and sickness with also repeated assurances of deepest gratitude to the noble ladies and gentlemen who have given their time and assistance to my daughter-in-law, her brother, and myself in our deep affliction. During the experiences of a lifetime I have never known a young family blessed with so large a circle of friends among so noble and excellent a people as those I met around the casket of my dear boy.

God be praised that he deserved to have a family worthy of this marked attention.

Respectfully,  
**GEO. C. LOONEY,**

**To Be or Not to Be—That's the Question.**

To the Editor Ocala Banner:

To be wet or not to be wet? That is the question, not with the community but with a few fanatics, regardless of the fact that our country districts, are already dry and are trying to coerce the people of Marion county to subscribe funds to create an agitation for what purpose? To hold an election to determine whether it is more advantageous to sell liquor legally or illegally; whether it is more advantageous to have liquor shipped into our town or out of it; whether we shall circulate the money in Ocala or send it to Jacksonville or Tampa.

The last legislature killed a bill prohibiting the shipping from wet counties into dry counties, because Florida could not prevent Georgia or any other state from shipping all the whiskey people ordered into this state. A similar proposition is about to be presented before you in Marion county, saying "sign our petition." Have a vote on it. So we are sure in case it comes to an election, to create excitement and make a few cranks conspicuous (for a little while anyway,) and in the event, by misguided judgment, you should vote for the bill and carry it, you would have done what? You would have driven your own trade from this county and adjoining "smart" dry counties away from you for the benefit of the town that tells you when you want to do business go to Jacksonville or Tampa.

In order not to hurt the feelings of yourselves don't sign any petition. It is dangerous. **V. J. SHIPMAN.**

**Better than a Gold Mine or Oil Well.**

Over one hundred and forty wagons loaded down with fine tobacco, were in town by seven o'clock last Wednesday morning. This only applied to one tobacco factory. Other factories here were busy all day receiving this valuable staple from the prosperous farmers. Quincy and Gadsden county are booming. Texas oil is not in it. Klondike gold give out but our fine tobacco never fails to bloom. When you get Texas or Klondike struck, just ask your nearest ticket agent to sell you one to Quincy. This is no dream but a reality. —Quincy Herald and Era.

**Just a Little Irritated**

Bulletins of the Florida Department of Agriculture contain some rare and racy reading. Not long since a comparative table was issued, showing the products of the several counties. In this table all the counties led Jefferson until the figures were reached showing the number of "asses"—and lo! Jefferson's "name led all the rest." We are credited, possibly by a typographical error, with a fabulous number of asses—more, in fact, in proportion to population than any other section of the globe can boast. We are ashamed to state the exact number. The bulletin of July 1 reached us on August 8, and it solemnly declares that the watermelon crop of Jefferson is fine, but imparts the touching tidings that our "peach crop is a failure." It might have added just as pertinently that we are producing no more crude petroleum than we did last year, and that monkeys are cutting off the cocoonut crop.—Monticello News.

**Public Is Aroused.**

The public is aroused to a knowledge of the curative merits of that great medicinal tonic, Electric Bitters, for sick stomach, liver and kidneys. Mary H. Walters, of 546 St. Clair Ave., Columbus, O., writes: "For several months, I was given up to die. I had fever and ague, my nerves were wrecked; I could not sleep, and my stomach was so weak, from useless doctors' drugs, that I could not eat. Soon after beginning to take Electric Bitters, I obtained relief, and in a short time I was entirely cured." Guaranteed at Tydings & Co. Price 50c. m

Miss Caro Liddon and her attractive guest, Miss Florence Mellon, of Tampa, who have been spending the week with Miss Annie Mathews at Eastlake, came up to Ocala yesterday.

Mrs. J. H. Butler and daughter, Mrs. G. R. Lynes, of Romeo, were among the out of town ladies in the city shopping Monday and made the Ocala Banner a pleasant call.

**TO FLORIDA GIRLS.**

Where a Complete Collegiate Education Can be Obtained.

When the Buckman bill was first introduced in the last legislature there was objection to it for the reason that a radical change in higher educational work was proposed. This objection was overcome, the bill was enacted into law, and the law has since been executed in such a satisfactory manner as to meet with the hearty approval of the most skeptical. Florida today has a most excellent university for young men and college for young women.

Fred W. Kettle, known all over Florida as a journalist, has taken up educational work and is making a tour of the state as secretary to President Murphree, of the college for women at Tallahassee. It is Mr. Kettle's mission to acquaint parents and guardians of the young ladies of Florida with the advantages of which the Tallahassee college has to offer.

Because the tuition is free in nearly every branch, and expenses in consequence but nominal, is no reason why the college should not be equal to the best of its kind in the south. By means of a liberal allowance of the state appropriation a most efficient faculty has been enlisted for this work, with President Murphree at the helm. Of the remaining expenses, that of board, is about the only item and all that parents are called upon to pay is about \$120 to \$140 for the entire school term of thirty-four weeks.

Tallahassee has been for many years an educational center. Its charming society, healthy climate, beautiful scenery and general charm are assets that should charm students from all parts of the state.

The scholastic year begins the last Wednesday in September and terminates the last Wednesday in May, giving eight of the most delightful months of the year for study.

Catalogues are now being mailed to applicants all over the state. Those interested should write at once to President A. A. Murphree, and such other information as they may desire.

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**CURED HER SICK HEADACHE**  
 Mrs. Joe Cameron, Centralia Avenue, Temple, Texas, writes: "I find HERBINE gives me quick relief, and take pleasure in recommending it to all women who suffer from sick headache."

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Nelson County Rye	2.90	4.25	Rye, Gin, Corn, Rye	\$3.00 per gal.	
Monogram Rye	5.20	4.60	"41" Rye, Peach and apple brandy	Mellow by age. \$4.00 per gal.	
Hanne's "44" Rye	3.75	5.00	Victoria Rye Social Drops Rye	Medical quality	
Social Drops	4.50	6.00	LEMP ST. LOUIS BEER	Per doz.	
Malt Whiskey	2.75	5.00	Pilsener	1.10	
Peach Brandy	3.75	5.00	Extra Pale	1.10	
Apple Brandy	3.75	5.00	Standard	1.00	
Mountain Corn	3.75	5.00	Malt extra dark	1.00	
Geneva Gin	3.75	5.00	Colberger, imported	2.00	
North Carolina Corn	2.65	4.00	Rare Ale pints	2.75	
Apple Brandy	3.75	5.00	Guinness Stout pints	2.75	
Holland Gin	3.75	5.00			
Geneva Gin	3.75	5.00			
Medford Rum	2.00	4.50			
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King of Kentucky Bourbon	3.75	5.00			

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**HANNE BROS.,**  
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Here is the way the Milton Index humorist discusses the mosquito theory:

"Golly! Just read what Dr. Porter says about our night-blooming humming bird: "A single female mosquito will lay a sufficient number of eggs in a water pitcher in an unused bedroom to not only fill the house with her offspring but supply the neighbors within the radius of the square." If that's so how can we ever expect to get rid of the terrible animal? If a pitcher will breed a housefull what will a ten mile swamp do? If a single mosquito can do all that how much worse would it be if she went off and got married! Oh lawsamacy, then terrible "sketers!"—Tallahassee True Democrat.

The Ladies' Home Journal patterns for September are now on sale the Helvenston Pasteur Co's. It wd