

The Heavens in October

By Prof. Eric Doolittle, of the University of Pennsylvania.

The brilliant constellation Taurus is now entering the evening sky in the east; overhead are the Great Square of Pegasus and the beautiful Northern Cross, while the bright Andromeda, with its wonderful Nebula and Perseus, with its striking star clusters, shine out nearby. In the north the Great Dipper in its ceaseless jour-

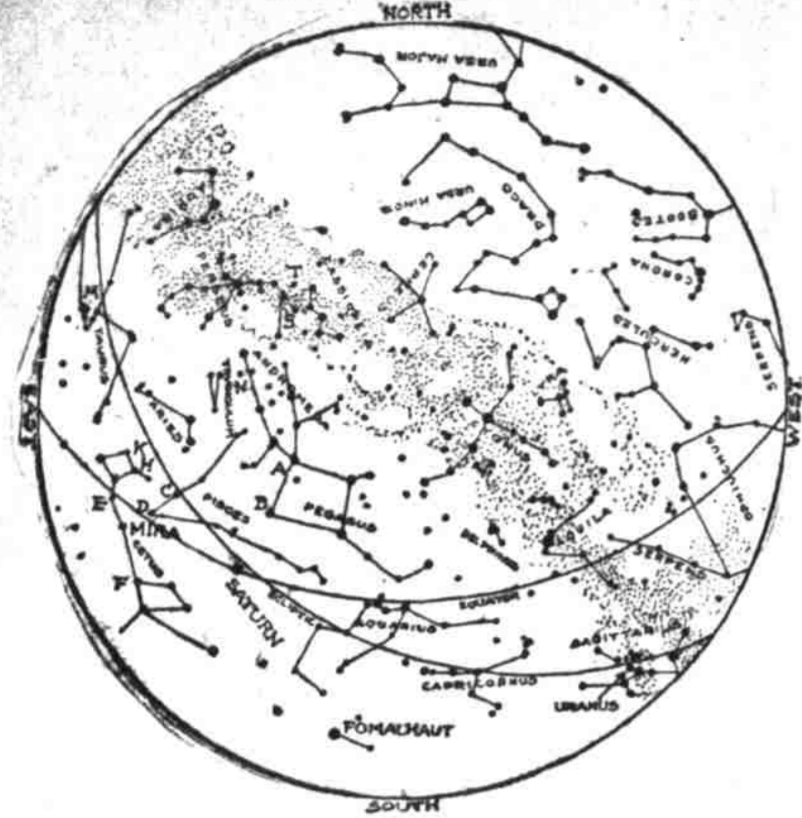


Fig. 1. The Constellations at 9 p. m., October 1.

ney around the Pole has reached its lowest position and seems almost to be resting on the ground, while its opposite constellation, the bright Cassiopeia, has been carried nearly to the highest point of the heavens.

In the west, the large, faint, summer groups of Serpens, Ophiuchus and Bootes are just disappearing. The brightest star of the last constel-

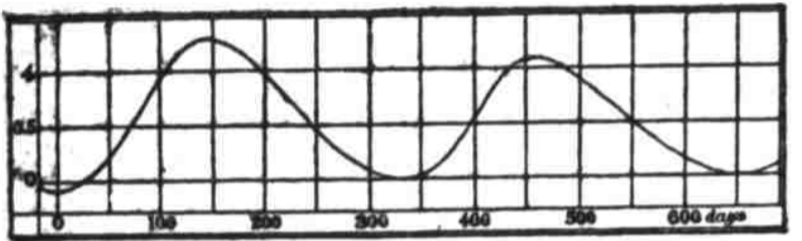


Fig. 2. Showing the Variation in Brightness of the Star Mira.

lation, the reddish Arcturus, a star probably several thousand times brighter than our sun, has already sunk from view to be seen no more in the evening sky until next March. In the southern heavens the observer's attention will be at once attracted by the solitary reddish star, Fornalbut, which is in its best position for observation during this month, and by the planet Saturn, which is seen shining out with a steady, yellowish radiance a little further to the east almost in line with the two east stars of the Great Square.

THE VARIABLE STAR MIRA. In this neighborhood also is the wonderful variable star Mira, which will this month attain its greatest brightness. The observer should not fail to keep watch of this star, for of all variable stars, it is the easiest to observe, and in some respects the most remarkable. It may readily be found since it is almost in a straight line with the stars C and D, and also in the line joining the stars at E and F of Figure 1. During five whole months this star is absolutely invisible to the naked eye; it then reappears, and for about seven weeks grows gradually brighter, remaining at its greatest brightness for about two weeks. It then fades away again, but much more slowly; its decrease occupying about three months.

A most remarkable fact in connection with these wonderful variations in brightness is their extreme irregularity. Sometimes when brightest, the star is brighter than any of the stars of the Great Dipper; in the time of Herschel it even rivaled Aldebaran, the brightest star of the brilliant constellation Taurus, at M. Figure 1. On the other hand, some three hundred years ago it disappeared entirely for four years, and in recent times it has usually remained always below the fourth magnitude.

The intervals between two successive brightenings is about 331 days, but this also is irregularly variable, sometimes to the extent of three weeks. It is expected to attain its greatest brightness on October 11th of this year. It will then be almost certainly as bright as the star at H, Figure 1, and perhaps as bright as K, and therefore it will be an easy object to find. It may even become one of the brightest stars of the sky; we cannot predict in advance exactly what it will do. If the observer will find this star when it is at its greatest brightness, and afterward glance at it occasionally at intervals of a week or two he can have the pleasure of witnessing for himself its gradual disappearance.

What is going on in this great sun, which, when brightest, pours out 1,500 times as much light as when faintest, and whose wonderful variations have continually recurred through the past centuries, with no sign of relaxation but it seems probable that the hot



Fig. 3. The Great Sun Spots of September, 1870.

action? We cannot say with certainty, but it seems probable that the hot central ball of the star is surrounded by a dense envelope of gas, and that it is a violent disturbance occurring

BEGAN IN THE ORIENT AND ENDED IN CHARLOTTE

Son of Far Away Land Began a Struggle For His Life Twenty Years Ago Which Continued Until Yesterday—John Farris, a Native of Syria, and a Well-Known Merchant of This City, Is the Victor in a Remarkable Battle With a Stubborn and Tenacious Enemy.

Sunday was a day of extreme thankfulness for John Farris, a well-known Syrian resident of Charlotte, as it marked the end of a twenty-year struggle for existence that had its beginning in the far away land of his birth. Sunday morning at 11 o'clock Farris was relieved of a monster tapeworm, one of the largest ever known, which measured fifty-three feet in length and was of sufficient bulk to almost fill a quart jar. Unlike many people who suffer with tapeworms, Farris was well aware of the presence of the despicable creature and had made numerous efforts to accomplish its removal. In discussing the subject Farris, who possesses a degree of intelligence far above that of the average Oriental, displayed an unusual knowledge of these parasites. This, he explained, is due to the fact that tapeworms are very common in Syria and all of Egypt, owing to the prevalence in these countries of the custom of eating raw foods, by which means the germ, in its later development, enters the stomach.

Before the ravages of this monster began to show on Farris, he was a strong man of robust health, weighing one hundred and eighty-five pounds. At the time the parasite company with the creature that had wrecked his health he weighed one hundred and thirty-three pounds. The presence of this worm had resulted in indigestion in its worst form and caused him to waste away to a mere skeleton. He had tried every supposed remedy and a few days ago began using Dillingham's Plant Juice, to which he thankfully attributes the saving of his life. After being relieved of a monster Farris appeared before a notary in this city and made affidavit to the following facts in connection with his case and the cause of his relief:

I have been a sufferer from an aggravated form of stomach trouble for about twenty years. My digestion for some time has been almost ruined; I had almost no appetite at times, and at other times would have an abnormal craving for food. When empty there was a colic, grinding sensation in my stomach, which seemed to demand food whether I was hungry or not, and when this demand was satisfied it was sure to be followed by all the pain and distressing effects of indigestion. I had violent pains in the left side of my stomach that extended around to my back and could plainly feel a large object or mass of something at this spot. I consulted a doctor concerning this feature of my case and was told by him that this feature there was something unusual inside my stomach was due to the presence of gas, caused by indigestion. I could not sleep and gradually grew weaker and I recently learned positively that my condition was due to the presence of a tapeworm in my stomach. I made every effort to have it removed and spent a lot of money in these attempts, but without success. Learning that Dillingham's Plant Juice had successfully removed several tapeworms in this city, I decided to try it, and as a result of this trial a tapeworm, measuring fifty-three feet in length, was expelled from me at 11 o'clock this morning.

I am 40 years of age and live at 34 Trade street, in this city, of which I have been a resident for about twelve years. I formerly weighed one hundred and eighty-five pounds and at the time this worm was expelled I weighed only one hundred and thirty-three pounds. Tapeworms have an established reputation for the tenacity with which they cling to the walls of the stomach, and the time this worm has been found that has been uniformly successful in their removal as Dillingham's Plant Juice, which may well be considered the greatest enemy of these detestable parasites, and man's best friend against them. This is only one of several cases in Charlotte in which Plant Juice has demonstrated its ability to relieve this form of stomach trouble, as it is popularly called, and the people of this State have learned to know that it can be relied upon to do all that is claimed for it.

Red Men's Convention at Gaffney. Special to The Observer. Gaffney, S. C., Sept. 27.—The first district convention of the Red Men convened in the court house at Gaffney Friday night. The members of the local lodge were out in full force to welcome the visitors. In addition to the members of the order a large audience assembled to witness the exercises. Judge J. E. Webster presided and introduced as the first speaker, Capt. J. B. Bell, who delivered the address of welcome on behalf of the city council, which was fittingly responded to by H. T. Huskey, of Spartanburg. W. S. Hall, Esq., was then introduced and in a beautiful speech welcomed the delegates on behalf of the Knights of Pethias. Senator J. C. Otis in a few well-chosen words then extended a welcome on behalf of the Odd Fellows and Col. T. B. Butler in one of his inimitable talks addressed the delegates on behalf of the Odd Fellows. Junior Order and W. O. W. W. D. Kirby in one of his characteristic speeches then brought down the house by setting forth in glowing terms the advantages of the W. O. W. Mr. John T. Gastie, the grand sachem of the Red Men, concluded the exercises in a splendid speech, setting forth the advantages of the order of which he has the honor to be at the head. The lodge here is in a flourishing condition and bids fair to do a great work.

A SURE-ENOUGH KNOCKER. J. C. Goodwin, of Reidsville, N. C., says: "Buckley's Arnica Salve is a sure-enough knocker for ulcers. A bad one I had made many friends here. A wonderful salve knocked it out in a few rounds. Not even a scar remained." Get a quart for ulcers, sores, burns, etc. at all drug stores.

Were Married Last Thursday Night. Correspondence of The Observer. Winston-Salem, Sept. 26.—As a surprise to their many friends to-day came the announcement of the marriage last Thursday evening at the Calvary church parsonage of Miss Roba Pohl and Mr. Beeman O. Jones. They are now away on a short bridal trip to Greenville, S. C., the former home of the bridegroom, and other points in South Carolina.

The bride is the daughter of Mrs. R. L. Pohl, of No. 955 Liberty street, and is a popular young woman. Mr. Jones is circulation manager of The Morning Journal and has made many friends here. The marriage ceremony was performed by Rev. E. S. Crowland, in the presence of a very few friends and relatives.

The common flavoring extracts in the market bear no comparison for fine flavor to Dr. Price's Delicious Flavoring Extracts.

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Democratic Appointments.

The following gentlemen will address the people on the issues of the campaign at the cities and places stated: HON. W. W. KITCHIN, Rockingham, Monday, Sept. 28th. Lumberton, Tuesday, Sept. 29th. Wilmington, Wednesday night, Sept. 29th. Southport, Thursday, Oct. 1st. Whiteville, Friday, Oct. 2d. Fayetteville, Saturday, Oct. 3d. HON. R. B. GLENN, Concord, Monday, Sept. 28th. Charlotte, Monday night, Sept. 28th. Fallston, Tuesday, Sept. 29th. Marion, Wednesday, Sept. 30th. Newton, Wednesday night, Sept. 30th. Taylorsville, Thursday, Oct. 1st. Statesville, Friday, Oct. 2d. Mooresville, Friday night, Oct. 2d. A. H. ELLER, Chairman State Democratic Executive Committee. ALEX. J. FEILD, Secretary.

WALL PAPER

Interior Decorators Torrence Paint Co. 10 NORTH TRYON.

You have determined to insure some day. Let this be the day, it may be too late some other day.

Prompt action is desirable (1) because the older a man grows the higher the charge, and (2) because delays are dangerous. Upwards of 4,000 policy-holders of the Equitable died in 1907. Of these more than 100 had been insured for less than a year. In one case the insurance had run for only four days. Many persons who could have obtained policies when first invited to insure were declined by the Society in 1907 on account of impaired health. Moral: Insure in the Equitable Life: the strongest in the world. W. J. RODDEY, Manager, ROCK HILL, S. C. WM. WHITE JOHNSON, Res. Agt., Hunt Bldg., Charlotte, N. C.

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Advertisement for Saco and Pettee Machine Shops, listing various machinery like Pickers, Revolving, Flat Cards, Railway Heads, Drawing Frames, Slubbing, Intermediate, and Roving Frames. Southern Agent A. H. WASHBURN, Charlotte, North Carolina.

Southern Railway

N. B.—Following schedule figures published only as information, and are not guaranteed. Sept. 28, 1908. 1:30 a. m. No. 30, daily, for Washington and points North. Pullman drawing room sleeper to New York. Day coaches to Washington. 3:30 a. m. No. 23, daily, for Columbia, Savannah and Jacksonville. Pullman drawing room sleepers to Augusta and Jacksonville. Day coaches to Jacksonville. 5:30 a. m. No. 5, daily, for Richmond and local points. 5:55 a. m. No. 44, daily, for Washington and points North. Lay coaches Charlotte to Washington. Pullman sleeper Atlanta to Raleigh. 6:30 a. m. No. 23, daily, for Columbia and local points. 8:00 a. m. No. 16, daily except Sunday, for Statesville, Taylorsville and local points. Connects at Mooresville for Winston-Salem, and at Statesville for Asheville. 7:15 a. m. No. 33, daily, for Atlanta. Day coaches Charlotte to Atlanta. Stops at principal points en route. 10:05 a. m. No. 34, daily, for Washington and points North. Pullman drawing room sleeper to New York. Day coaches to Washington. Dining car service. 11:10 a. m. No. 23, daily, for Winston-Salem, Roanoke and local points. 10:45 a. m. No. 11, daily, for New Orleans and local points. 3:00 p. m. No. 46, daily, for Greensboro and local points. 4:00 p. m. No. 41, daily except Sunday, for Seneca and local points. 4:45 p. m. No. 27, daily, for Columbia and local points. 6:05 p. m. No. 24, daily except Sunday for Statesville, Taylorsville and local points. Connects at Statesville for Asheville, Knoxville and Chattanooga. 6:00 p. m. No. 12, daily, for Richmond and local points. Handles Pullman sleeper Charlotte to Washington, and Charlotte to Richmond. 7:35 p. m. No. 28, daily, New York and New Plant sleeper to Washington. Sleeper observation and club cars to New York. Dining car service. Solid Pullman train. 9:35 p. m. No. 35, daily, for Atlanta and local points. Pullman drawing room sleeper New York to New Atlanta. Solid York to Birmingham. Day coaches Washington to New Orleans. Dining car service. 10:25 p. m. No. 43, fast mail. Pullman sleeper, Raleigh to Atlanta. Tickets for sleeper reservations and detail information can be obtained at ticket office, No. 11 South Tryon street. C. H. KEBERT, Vice Pres. and Gen. Mgr., Washington, D. C. W. H. TAYLOR, P. T. M., Washington, D. C. R. L. VERNON, T. P. A., Charlotte, N. C.

SEABOARD

These arrivals and departures as well as the time and connection with other companies are given only as information and are not guaranteed. Direct line to the principal cities North, East, South and Southwest. Schedule making effect Dec. 1, 1908, subject to change without notice. Tickets for passage on all trains are sold by this company and accepted by the passenger with the understanding that this company will not be responsible for failure to run on any schedule time or for any such delay as may be incident to their operation. Care is exercised to give correct time of connecting lines, but this company is not responsible for errors or omissions. Trains leave Charlotte as follows: No. 40, daily, 4:28 a. m. for Monroe, Hamlet and Wilmington, connecting at Monroe with No. 41 for Atlanta, Birmingham and the Southwest; with No. 42 for Raleigh, Weldon and Portsmouth, with No. 44 for Raleigh, Richmond, Washington, New York and New Orleans. No. 44, daily, 5:10 p. m. for Monroe, Hamlet, Wilmington and all local points connecting at Hamlet with No. 43 for Columbia, Savannah and all Florida points, and No. 44 for Raleigh, Richmond, Washington and New York. No. 132, daily, 6:40 p. m. for Monroe, connecting with No. 41 for Atlanta, Birmingham and the Southwest; with train No. 44 at Hamlet for Raleigh, Washington and Norfolk. Trains arrive in Charlotte as follows: No. 38, daily, 11:30 a. m. from points North and South. No. 6, daily, 11:55 a. m. from Wilmington and all local points. No. 12, daily, 6:35 p. m. from Rutherford, Shelby, Lincoln and C. & N. W. Railway points. Connections are made at Hamlet with No. 132, daily, at 9:30 a. m. for Lenoir and the Southwest; with No. 43 for East, North and Southwest, connecting at Hamlet and Monroe. Connections are made at Hamlet with No. 132, daily, at 9:30 a. m. for Lenoir and the Southwest; with No. 43 for East, North and Southwest, connecting at Hamlet and Monroe. For information, time-tables, reservations or Seaboard descriptive literature apply to ticket agent or address: JAMES KER, JR., C. P. A., Seaboard Hotel, Charlotte, N. C.

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