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CHARLOTTE, N. C., MONDAY EVENING, MAY 28, 1900.

NO. 3727

# SUN'S FACE BLOTTED OUT.

Awe Inspiring Spectacle of Total Eclipse.---Corona of Brilliant White Light .--- Prof. Young Fails to Find Line of Coronium.---Famous Astronomers, With Finest Instruments Ever Made Observe the Phenomenon at Wadesboro.---Instruments and Observers.

Special to the News. WADESBORO, N. C., May 28.-Hundreds today stood in awe while the dark shadow crept over the disc of the sun and at last blotted out. all its light except the rays of its beautiful corona. For days the astronomers had prayed for fair weather, and their prayers were answered. It was as per. feet a day as ever dawned with hardly a cloud in the sky and a sun that was dazzling.

The people of the town arose with the sun and local dealers did a land office business in opera and field glasses and smoked glass, At Carr's Mount, near the town, a large crowd gathered and from this elevation had a fine view of the entire eclipse.

When the eclipse began it seemed as

matter. charge and took a complete series of moving pictures of the eclipse. If these

develop well, the Wadesboro view of the event will be on exhibit all over the world. This is said to ue the only series of moving pictures taken in the line of tatality.

SHADOW BANDS MARKED. A party of young men from Princeton devoted their attention to the shadow bands, marking their number. direction and velocity. They found that the bands appeared 1:45 before totalmight have been only apparent and caused by the great speed at which they were traveling.

STARS VISIBLE.

if a tiny little piece had been sliced off ing Vulcan, the planet supposed to be tat mirror.

first contact; a multiple camera for photographing the corona; slitless spectroscope; sheets for observing KILLED STEP FATHER shadow bands, to be marked on a screen.

THE BRITISH ASTRONOMERS. Great Britain has its representatives in the persons of the delegation of the British Astronomical Society, consisting of Rev. John M. Bacon, Miss Gertrude Bacon, of Newbury; Mr. and Mrs. Nevil Maskelyne, of London; George Dixon, Mary E. Woolston and MURDOCK LIVED TWO HOURS have a number of instruments, which were set up yesterday. They devote especial attention to determining whether the light in an eclipse returns more rapidly than it disappears. This' was apparently so in the Indian eclipse, and they have constructed a special instrument to determine the

THE YERKES PARTY.

Near the location of the Smithsonian delegation is the plant of the Yerkee observatory, which is located at Williams Bay, Wisconsin, but is connected

# Mose Jaggers, of Nevin, Put Hot Shot in Charles Murdock.

He and His Wife. Were Quarreling When Jaggers Shot Him With an Old Musket-Jaggers Fled-Coroner Rendered Verdict To-Day.

Charles Murdock, colored, was shot and killed at his home near Nevin Sunday morning about 2 o'clock, by his step son, Mose Jaggers. Mose and his with the University of Chicago. Prof. brother lived across the road from Barnard, who made himself famous by their step-father. The old man and his discevering the fifth sattelite of Jupi- wife had been to town to take in the ter, is with this notable party, which Midway. They returned home about 10 consists of Prof. Hale, Prof. Frost, Dr. o'clock. Mose had also been to town Isham and Messrs. H. B. Frost, Ritch- and got home a few minutes before ey, Ellerman, and A. S. Flint. With them. The old man and woman got inity. They moved at the rate of 34 to 40 this party are also Profs. Goodwin and to a fuss which continued after they miles an hour, and appeared to wave Newell, of the Massachusetts Institute reached home. Family rows, it seems, decidedly and distinctly diminish as of Technology. Among their instru- were not in frequent, the Jaggers they disappeared. This settles the fact ments is the bolomoter, which is so brothers resting the manner in which that these shadow bands are not opti- delicate that it can register the one- the old man treated their mother. cal illusions though their agitation millionth of one degree of heat. Prof. There had been threats and counter-Hale attempts to determine whether threats, so the evidence before the the corona radiates any heat, and if so coroner's jury developed this morning. how much. Prof. Barnard has charge Jaggers had said a week ago that he It has spectroscopic tube 15 inches night, Jaggers left his happy home, prize. The races of last week were a and throws the light into a spectro- musket in hand, and walking over to scopes. One of the unique features is a Murdock's found him and his wife in long sliding platcholder with seven the yard As came around the house. plated mounted, which is moved along in Sight, Murdock picked up an axe. on rollers, and by means of which Jaggers had a gun-an old army rifle of seven plates may be exposed in four the vintage of 1864-which he turned loose. The load went into the old man's side, and he died in two hours. He THE SMITHSONIAN PARTY. talked to those about him before he died. He said ne did not intend to use the axe on Jaggers. Jaggers fled as soon as he shot Murdock, and has not been captured. The coroners jury today, which was composed of Messrs. L. A. Cathey J. A. Davis, J. T. Night, W. B. Gooding, W. A. and S. A. Todd, returned a verdist that Murdock came to his death from a wound made by gun used by Moses Jaggers

# THE RACE OF LIFE.

Dr. Chreitzburg Tell the Firemen How it is to be Run.

The first sermon that has ever been preached to the firemen of the city, was preached last night in Tryon Street church by the pastor, Rev. Dr. Chreitzberg. The audience was large and representative. All felt that Dr. Chreitzberg would have something interesting INFLUENCE OF PLEIADES. to say, and realized their anticipations. The speaker took as his text: "Know ye not that they which run in a race run all but one receiveth a prize? So run that ye may obtain." 'The sermon was based in its illustrative points on the firemen's races of last week, and in its application had to do with the christian race. " Entrance," said the speaker, easy enough if one comes up to the requirements. The racer must not overlook the things necessary to the successful running. He must not eat too much, must sleep and exercise. He must test himself daily. With reference to the races of last week, each man had his place. In the squad each men depended on the other. If one failed all failed. The Bible has its Christian rule. In it as in the Grecian races of old, the first requirement is "Temperance." The racer cannot indulge in the things of flesh and sense, if he would run. Neither can the Christian allow his animal nature to get the advantage of his spiritual nature. As the racer in the tournament of last week divested himself of every vestige of extra clothing in order not to of the large photographic camera, was going to kill Murdock if he did be trammeled in the race, so must you, Astronomers have long looked for- which has a focal length of 61½ feet, not treat his mother better. When the my brothers, in the christian race, lay that was a beautiful, sweet, silent influence that was stronger and more potent ward to this eclipse in the hope of find- has a 6 inch'lense and a 12 inch celos- row between the old man and the old aside any sin that doth easily beset woman was at white heat, Saturday and hinder you from obtaining the object lesson. "The christian racer must be decided; he must have before him an object-the crown. The firemen had before them the goal-the touching of the board; the throw off of water first. They did not turn aside into Poplar street or into the crowd. Why? because the goal was not there. Press forward, as Paul did toward the work for the prize of the high calling of God in Christ Jesus. 'Every Christian racer must be in earnest. The firemen strained every muscle; the horses were going at full speed. It was a grand sight, they were in earnest. So must the christian stretch every nerve, and press with vigor on. "The Christian racer must not stop short of the goal. A pause means failure. Last week the ladderman haulted a second and lost the race. I thought as I looked at the races last week, if every church in Charlotte had every officer in his place running the christian race as intently as those firemen, what would the Master say? He would not put '0' on the board. If a mistake was made; if the racer halted or fell, he would lift him up again and say Be thou faithful unto death and I will give you a crown of life.' The crown of life is not to the most learned, nor to the most athletic, but to the faithful, to him who perseveres. And when the race is run will it not be something to hear the great Judge say: 'Well done good and faithful servant, enter thou into the joy of thy Lord?" After the sermon, which was one of the most appropriate and interesting ever preached in the church, and which commanded perfect attention, Mis Thurmond sang "There's a Beautiful Home on High," which was appropriate in sentiment and exquisitely rendered.

# DR. FAIR'S SERMON.

Beautiful Discourse on "Silent Influence" Before the College Graduates.

Lovely Thoughts as Suggested by a Beautiful Astronomical Figure in Job-An Original Text Basis of the Sermon last Night.

"Cans't thou bind the sweet influences of Pleiades or loose the bands of Orion?"

The above beautiful text from the 38th chapter of Job and 31st verse, was the theme for one of the most eloquent discourses ever heard in Charlotte. The speaker was the Rev. Dr. J. Y. Fair, of Savannah, and the occasion was the baccalaureate sermon delivered yesterday before the graduating class of the Pre byterian college. The First Presbyterian church, where the sermon was delivered, was crowded. The main auditorium. the Sunday school room and the gallery were filled with fascinated listeners, eager to catch every word uttered by this beloved minister. The speaker said that in all creation there than others. In nature this was true in fact in all the handiwork of the great Creator there was to be seen the workings of this sweet silent influence. In the home where virtue receives its first schooling, there the sweet silent influence of the godly mother is felt. There it is that virtue receives its just reward and paves the way for the bright crown that will adorn this priceless jewel in the end. In the starlit heavens the great Creator has written on the clouds the word, silence. Across the rainbow silence is a'so written. In fact, throughout the created world, God, it seems, has emphasized the beauty of silence. "On a beautiful marble shaft in the Old Dominion one may read these words: "Mary, the mother of Washington." History gives but few such characters as the Father of our country, but what would Washington have attained had it not been for the sweet silent influence of the godly mother in whose memory the beautiful shaft stands as a monument to-day. Columbus the great discoverer was powerless to act without the aid of a woman, i. It was through the sweet influence of the Queen of Spain, that to-day we live in the greatest of all nations, # Jight H Speaking directly to the young ladies Mr. Fair said that it was well that this season, was called the commencement for such it was-the real commencement of life's work. With books laid aside, the young ladies would now enter upon a new and broader life. He emphasized the importance of the sweet influences of home. Make home lovely make it the one place to be admired and loved above all others. Assist, in so for as it is within your power, to bring sunshine, not shadows. into your home. Make the occupants happy and at all times respect and love the sweet silent influences that bring happiness on earth and heaven at last. "WHEEL WITHIN A WHEEL." At night Dr. Fair filled the pulpit of the Second Presbyterian church-his former church home. The announceletter from Lieut. Anderson in which ment that Dr. Fair will, at any time, fill a pulpit in Charlotte, is sufficient to pack the church. The audience which he faced last night was magnificent in size and personnel. It was a flattering tribute to the loved minister. Dr. Fair is noted for taking unusual texts and building thereon most beautiful and original structures in thought and word. His was "Provtheme last night dence;" his text, Ezekiel 1:16-"A wheel in the middle of a wheel." moving wheel typified a "moving Providence." The wheel turns, revolving on the same central axis but still it The "wheel within a wheel" is God's special care of his creatures. Not a sparrow falleth without his knowledge. God's plan was for the world to move d the high of Christ the "wheel

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the upper right hand corner. In a few minutes it looked as if some giant had taken a bite out of the disk, and a lit tle later it assumed the crescent shape of the new moon.

As the shadow gradually moved across the sun's face, a strange, pallid darkness fell upon the earth. Roosters began to crow, birds twittered and flew to their nests, cows far down in the meadows lowed in terror. Hardly a leaf stirred as the strange darkness and silence fell upon the earth. Just at the beginning of totality, a dark shadow moved across the landscape at an angle. to the sun. There, was a brilliant flash as the sun hid itself behind the moon. Then appeared the beautiful corona in all its pearly radiance. The corona was of pure white light and brilliant enough to somewhat relieve the darkness. An extended radiance was seen projecting from the upper right side of the sun, and from the lower left side. At the pole where many colored polar streamers appears, there was a projection of brilliant white light with some smalled er streamers beside it. For ninety secul onds there was darkness upon the face of earth. The only sound that broke the intense stillness was the voice of the pendulum man, counting the seconds as the clock beat them out. Two stars twinkled near the darkened sun. and to the left, near the horizon shone the queenly Venus. Suddenly there was a flash; the edge of the sun peeped out from cover of the moon, and the light ran out to kiss the earth again.

The crowds that had been watching with bated breath, broke into a cheer, that rippled from height to height until it was lost in the distance.

The shadow fled before the rays of the light, like some creature of darkness, retreating from the field of defeat.

Two minutes it lasted, but the time seemed an hour, and the strange phenomenon compelled a sensation of awe. It was a sight that will linger for a life time.

WORK OF OBSERVERS. Before day the observers were at work adjusting their instruments, and when the first contact came at 7:26 the final work of observation began. The eclipse was calculated in 1849, and arrived fourteen seconds ahead of time. The period of totality arrived at 8.30:1 (Princeton time ) and lasted not quite ninety seconds. The estimated duration of totality was 92 seconds. So both these calculations were slightly at fault. The astronomers predicted a corona even more extended than that of the Indian eclipse of 1898, and that it would appear in a variety of colors. This prediction failed, for the corona was not so extended as usual, and its light was dazzling white.

the star nearest the sun, so near that the sun's light prevents it being seen. But the corona radiated so much light that Vulcan was not observed. Mercury shone brilliantly just above the sun. Aldebaran was also visible and just above the horizon Venus glowed

like an evening star. MANY PHOTOGRAPHS TAKEN. Hundreds of photographs of every part of the eclipse were taken by cam-

eras of almost every size and quality. Some of these are expected to show new discoveries or throw new light n things known. Most of these will be developed this week, and the result announced. The observers are busy at this hour, looking over the field and making the intricate calculations required to prove the exact results of

their experiements. Prof. Magie and Mr. Russell, of Princeton, made excellent drawings showing the radiances of the corona and the brilliant light at the pole. The prominences could be seen plainly, even through an ordinary field glass, and through the larger telescopes they appeared a brilliant scar

let. The present eclipse was not so beautiful nor the corona so large as that of 1869. Prof. Caldwell, of Wabash College, tells me. He observed the eclipse of that year, and has numerous drawings of it. The shadow was much deeper and Nore sudden than it was today. Miss Gertrude Bacon of England, who observed the eclipse in India in 1898, says the corona was more extended in that year, and this eclipse was in several respects different from the Indian eclipse.

Mr. Riley and others took numerous photographs of the crescent shaped shadows cast by the sun when it was nearing the period of tolality. Some of these are very curious and beautiful. The next total eclipse of the sun will take place in 1901, but will be visible only' in Sumatra.

The next eclipse visible in the United States will take place in 1918, and the belt of totality will extend from Oregon to Florida. J. W. J.

## **GATHERING OF FAMOUS MEN**

Some of the World's Most Noted Astronomers-The Wonderful Instruments used in Observing an Eclipse.

### Special to the News.

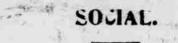
WADESBORO, N. C., May 28 .- Never since astronomers began to observe eclipses have such elaborate prepara tions been made for the event as for The path of totality from Virginia to HUNTING FOR CORONIUM. Prof. Young, of Princeton, has long oped to see through the spectroscope oped to see through the s the eclipse of today. Scattered all along

seconds time.

The largest party here is the party from the Smithsonian Institute, which includes the government experts. Prof. S. P. Langley, secretary of the Smithsonian, inventor of the flying machine and a noted astronomer, is the head of the party; Prof. C. G. Abbott is in charge of the party; Prof. J. W. Smiley is in charge of the photographic department; Prof. DeLancey Gill is in charge of the who equatorial camera; Professor F. E. Fowle, in charge of 40 foot telescope; Prof. George E. Hole, Father Searles, Mr. Clayton, G. 'R. Putman, C. E. Mendenhall, Father Woodman A. Kramer, C. Smith, Mr. Little, Paul Draper. The largest instrument is the immense camera, the largest ever made, 135 feet long, which has a photographic plate thirty inches square. The mirrors which reflect into his camera are placed on a solid stone foundatiion. One of these mirrors reflects the image of the sun through a long The eachre circle will be smaller. distance lense into 136 foot camera the end of which the at photographic plates are located. The left tube of this camera is for spectrum work. Photographs are taken direct and reflected; and it is expected that six exposures of each will be made during the period of totality. The most wonderful of all the instruments is the bolometer. The instrument used by this party is said to be the finest ever made. Mirrors reflect the rays into the instrument, which measures and records the variations of heat to the ten millionth of one degree, it is claimed. The wire that holds the needle of this delicate instrument is the finest ever created. It was made by melting quartz, tipping an arrow with the material and shooting it. This drew the quartz out to such fineness that the wire is actually invisible except in certain lights. After repeated experiments a wire was produced so fine that a spider cannot climb it. One of the professors tells me that the light of a candle five miles away, if reflected on the mirrors will perceptibly affect the instrument. It is enclosed in a board paper house built inside a wooden house. The man in charge records the varying heat of the light and dark bands of the

### corona. OTHER PARTIES ON THE GROUND.

the eclipse of today. Scattered all along The professor of astronomy at the the path of totality from Virginia to Citadel, Charleston, has his class of



### Several Events to Interest Society This Week.

Several functions will mark the so cial calendar this week.

To-morrow Mrs. Percy M. Thompson gives an afternoon tea, and euchre at night, in honor of her guest, Miss Moorman. The invitations to the tea include about 200 matrons and maidens

The Misses Hutchinson, of North Tryon steet, give a euchre to-morrow long night in honor of their two charming kinswomen, Misses Addie and Mary Moore, of Angusta. The affair will be one of the brightest and most recherche of May events.

> On Thursday afternoon a delightful set of society women will assemble at Mrs. A. C. Hutchison's on West Trade street to enjoy an afternoon which she gives in honor of Mrs. E. W? Stitt Mrs. Stitt's bridesmaids and about 59 or 60 young married women will constitute the crowd.

The Seaboard special took 350 peo-

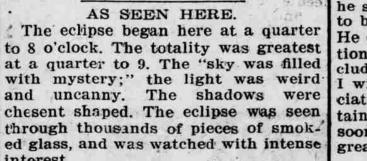
WILMINGTON WANTS CHARLOTTE

Wilmington has caught the floral pa.

MRS. ANDERSON ILL. Mr. Campbell this moring received n he says that Mrs. Anderson is confined to bed in Washington with high fever. He expressed his thanks and appreciation of his treatment in Charlotte, concluding with: "Both Mrs. Anderson and I wish to again express to you appreciation for your kindness, and we cer-tainly hope to have the opportunity of soon repaying in some measure your great courtesy to us."

BAPTIST SUNDAY SCHOOL EXCUR-SION.

The Sunday school of Tryon street Baptist church will have its 10th annual picnic on June 19th. Asheville finial of events. God's plan now is for has been chosen as the objective point, around His will, but all the while He and will be reached by way of Spar- is uplifting the world and making it tanburg and Salforda mountain.<sup>(1)</sup> This is better. This is done by war and blood-a new route to the Sunday school and shed as well as by peace and plenty.



nterest. ple from Charlotte to Wadesboro to see the great astronomical event. The special left at 5 a.m., and returned at 12 o'clock. 100 Sec.

FLOWERS.

in the green division, the line of coro- nium, the only material supposed to exist in the sun which has not been found on earth. The composition of this substance would have been a great dis- covery, as great as that of argon and helium, and it was a disappointment to Prof. Young that he could not find the line. It is probable, however, that the spectroscopic cameras recorded this line, and thus its existence may be firmly established. The increasing experiment of Prof. Barnard who hoped with the bolometer to ascertain if the corona radiated any heat, also failed, owing to the failure of the galvanometer to record correct- ly. The government bolometer worked perfectly however, and measured the differences in the heat of the light and dark parts of the corona. MOVING PICTURES TAKEN. Astronomer Maskelvne of London	eral days. Prof. Charles A. Young, the author of "Young's General Astrono- my" and numerous other text books and the world's greatest authority on the sun, is in charge. He has as his assistants Professors C. F. Brackett, William Libbey, W. F. Magie, Taylor Reid, McLanahan, Messrs. Russell, Riley, Morgan, Fisher and Mrs, Ma- gie. The equipment includes a pendu- lum for counting the seconds; an in- tegrating spectroscope, which shows all parts of the spectrum; a five inch equatorial telescope with analyzing spectroscope; a spectrograph for photo- graphing the spectrum; a four-inch telescope to observe the corona and	the flowers that Charlotte used. Mr. Campbell therefore asks all parties to whom flowers were given to return them to-morrow and Wednesday to the city hall so he can dispose of them to Wilmington and thus help to pay Charlotte's floral debt. The flowers will be shipped to Wilmington as soon as they are sent in. <u>NEW DEACONS.</u> At a congregational meeting at the Second Presbyterian church yesterday morning after services, the following named were elected deacons: John F. Jamison, John W. Todd, John.M. Har- ry, J. Arthur Henderson, James T. Por- ter. <u>A CARD.</u> Veterans for Louisville will meet at the city hall Tuesday morning at 8:45 sharp. By order of the Commander.	ADDRESS TO YOUNG MEN. Rev. Dr. Barron has consented to de- liver a series of four addresses to young men at the Sunday afternoon meet- ings of the Young Men's Christian As- siciation beginning next Sunday. The doctor's ability and popularity with young men ensures a successful series of services. Good music will be fur- nished by Prof. McCoy and the Y. M. C. A. orchestra. CARDS FROM FLORIDA. Mr. and Mrs. P. B. Mays have receiv- ed cards to the marriage of Miss Emily Pasco and Mr. George Newton Conrad which takes place June 6th, in the Pres byterian church at Monticello, Fla. The groom is the senior Senator of Florida. <u>CHURCH NEWS.</u> Rev. J. Y. Fair left this morning for Lincolnton to visit his brother, Mr. Adger Fair. Dr. Fair will return to	toward the coming of Christ. The speaker appealed especially to the young—to whom his appeals are never made in vain—to fall in with God's ways of moving the world. The sermon was a gem. Dr. Fair's words are ever like "Apples of go'd in pic- tures of silver." Beautiful thoughts fill his mind, and beautiful words fall from his lips. He was heard with deep interest morning and night. <u>AN HONEST MAN.</u> Mr. J. D. Collins, of the Bee Hive, has received a letter from a man in Morven in which he says: "Several. years ago I got in debt to you to the amount of three cents. I have thought of it often, and still feel that I owe it
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