## EYES OF WORLD ARE CENTERED ON BAKER

Thousand Theories May Be Proved or Repudiated by Observation Taken by Scientists Who Will Study Phenomenon.

ASTRONOMICAL DISPUTES

ECLIPSE TO SETTLE MANY

Scientists Ready to Take Photographs and Study Eclipse

Of Sun Today.

ACTIONS ARE REHEARSED

Actions are expected to go to roost and birds to nest. Streetcars may run with hold the pencil and mark the line will be a sudden strain on all lighting uillies. The great cosmic titan who will hold the pencil and mark the line will for he will take 47 minutes of that sungles and the sungart will be a sudden strain on all lighting uillies. The great cosmic titan who will hold the pencil and mark the line will should the pencil and mark the line will show the same and hor of sunlight on that day.

Astronomers Practice Carefully Every Detail of Programme Which Is to Be Carried Out in 113 Seconds of Totali y.

BAKER, Or., June 7.—(Special.)

The eyes of the astronomical world will be on Baker tomorrow on the occasion of the states of Washington, Oreson, Utah, Colorado, Kanassa, Arkanssa, Missial ppt, Alabama, Georgia and Florida, in about the same manner that a milling this coron and accompanying specitum.

This will not be because Baker has a monopoly of the points of vantage from a war correspondent dispatch. This will not be because Baker has a monopoly of the points of vantage from the corasion of the states of washington, Oreson, Utah, Colorado, Kanassa, Arkanssa, Missial ppt, Alabama, Georgia and Florida, in about the same manner that a milling throm a war correspondent dispatch. This will not be because Baker has a monopoly of the points of vantage from a war correspondent dispatch. The stock of the pencil will be represented by a nebulous space of Infinity. Station have been established, how-

POSITION OF SUN, MOON AND EARTH AT TODAY'S SOLAR ECLIPSE, WITH COURSE OF SHADOW SHOWN ACROSS UNITED STATES.

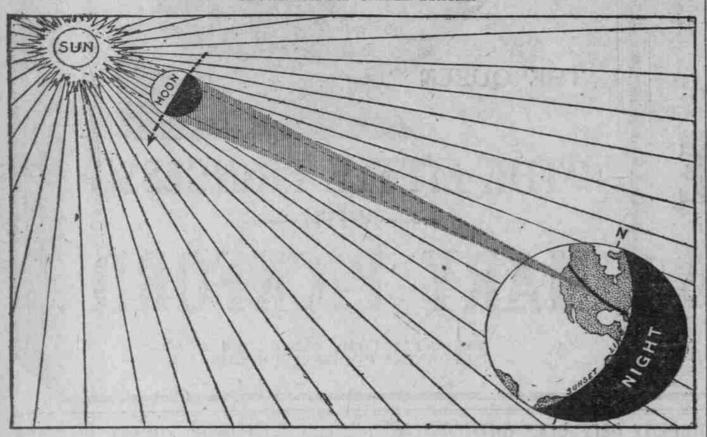


Diagram of the Eclipse, Showing Shadow Cone as the Moon Passes Between Sun and Earth. Drawn by Professor, J. W. Daniels, of Hill Military Academy.

which it may be observed but because the United States Government's official representatives, the party from the naval observatory at Washington, D. C., have located their station here and the result of their study is expected to play an important part in solving several problems, brought near to completion by observations made on former occasions, but lacking in some few details, which it is hoped the studies tomorrow may clear up for all time.

The Government party is here by wirtue of a special act of Congress which appropriated \$3500 for the undertaking by the naval observatory.

Hammond Heads Expedition.

millions of miles long, between the sun and the moon.

Many to View Eclipse.

Many to View Eclipse.

Many an astrological Christopher Co-dended, the United States Naval Observatory at Baker, Or., the Yerkes and Mount Wilson observatories at Green River. Wyo.; the Alleghany, Chamber-mosative identity. The great solar force that makes Mercury shake with an astrophysical Observatory at Eads, and the Smithsonian Astrophysical Observatory of rejativity, by its great astral pencil and are situated at all sorts of altitudes to get all possible effects.

The nubbin of this theory is that the

The party is headed by J. C. Hammond, with W. M. Conrad and C. C. Wylle as his assistants, and includes Dr. George H. Peters, Professors S. A. Mitchell and L. G. Hoxton, of the University of Virginia, and Dr. P. W. Merrill, of the Bureau of Standards, Co-operating with them are the representatives of several other institutions, guests of the Government on the occasion.

Study of the solar atmospheric conditions and composition will be the principal object of the official Government representatives. This study will be the principal object of the official Government representatives. This study will be carried on during the less than two minutes totality by means of spectroscopic and photographic work entired to prove the carried on during the less than two minutes totality by means of spectroscopic and photographic work entired to get all possible circuis. The line of totality will be 50 miles wide and that of semi-totality 150 miles wide and that of semi-totality 150

Dr. Merrill will make an attempt to extend knowledge of the flash spectrum to greater wave lengths by photo-graphing with plates stained with

One of the novel features that will be introduced at this eclipse is the use of moving picture cameras. It is hoped that some of the films will bring to light phenomena hitherto unobserved. Women, to Assist.

For the first time, too, women will assist in the observations, Drs. Harriet Bigelow and Mary Murray Hopkins, of Smith College, being here for the event. In addition to the work undertaken by the Government party and the Burosau of Standards, as noted, Edward D. Adams and Kemuton Adams of New York, will make a special study of coronal lights and Dr. Howard Russell Butler, of Princeton, N. J., will study the colors of the corona by a special system of shorthand listing, devised by himself and designed to enumerate the saveral hundred thus and shades of the several hundred tints and shades of the

that Dr. Peters, while he has traveled to all parts of the world to study eclipses, has never made a visual ob-servation and expects to enjoy that experience on the present occasion.

Townley Station in Hills.

Professor S. D. Townley, of Leland Stanford University, has set up a telescope at a distance from the Government station, having located in the feothills just east of town, where, in addition to study of the corona, he will make a special study of the moon shadows, more readily accomplished from eminence, rather than in the valley. He will be assisted by Mrs. Townley. If the day is clear the scientists state that nothing can prevent their work meeting with unqualified success and if Townley Station in Hills. meeting with unqualified success and if cloudy weather prevails their five weeks of preparation, which included the building of a station of permanent character, with all instruments mounted on concrete bases, will go for naught. The local Weather Bureau predicts showers and partly cloudy predicts showers and partly cloudy weather and the outlook is none too bright for clear sky during the eclipse. In the matter of preparation nothing has been left undone making for the success of the undertaking. The past week has been almost entirely devoted by the scientists in rehearing their by the scientists in rehearsing their programme for the brief period of study, which will be carried on strictly in accordance with a schedule prepared

in advance. Sailor to Call Seconds. A lusty-lunged sailor from the Bremerton naval station party, which has been assisting in establishing the sta-tion, will call the seconds of totality as tion, will call the seconds of totality as indicated by the beats of the chronometers, the accuracy of which has been thoroughly established, so that the time-keeping instruments beat in unison with the Government clock at the naval observatory, which fixes the time of the Nation, to a degree of exactness within 1-100 of a second, as

The nubbin of this theory is that the to get all possible effects.

determined by exchange of time signals by wire between Baker and Washington. This will leave no opening for a slip in checking the time of the first contact, when the moon first darkens the surface of the sun and the succeeding stages of the passing of the Go., shipping agents at Honolulu.

As each second is called by the sailor every member of the party will perform some particular task carefully practiced to make certain of no mistake. In all about 50 photographs will be made during the 113 seconds of totality and the revelations of the photographic plates when developed will or will not answer the problems which the as-

HAWAIIAN AGENCIES CLOSED Railroad Order Affecting Traffic Offices in Effect.

The polarized light of the sun will at the stake for their beliefs

Multnomah oHtel Dance.

One of the delightful affairs for the soldlers planned for tonight, to be the first of a series, is the party to be given at the Multnomah Hotel by the given at the Multnomah Hotel by the girls employed throughout the city in the department stores and offices, who are working to aid the fund for the relief of the refugees in devastated France and Belgium. All proceeds of the evening will go to this fund. Dancing will start at 3 o'clock.

The chairman in charge of the affair is Mrs. Thomas W. Saul, wife of Captain Saul, now serving in France. Among the patronesses of the evening are Mesdames Farrell, Platt, Curry, Whitehouse and Skene.



## BEGINNING TODAY

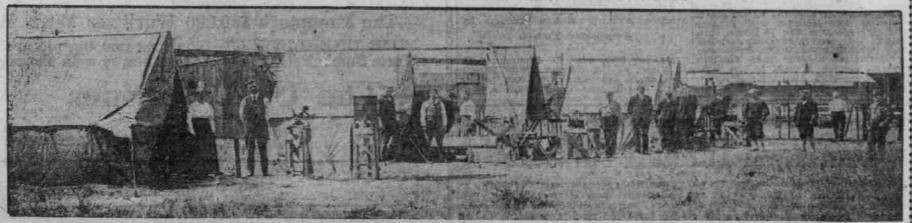


Wallace Reid and Ann Little in "Believe Me, Xantippe"—A \$40,000 bet—a \$100 forgery—a million dollar's worth of girl. Like "Xylophone" it sounds different than it looks-and like "Xmas," it's something to look forward to! Try and pronounce it.

## Abolishment of foreign agencies, as the traffic offices situated far from the lines of the companies were called, extended to some far corners of the earth, as well as to cities in the continental United States. Yesterday Frank Bollam, the steamship agent for the Pacific Steamship Company and the McCormick sine, received a letter from A. B. C. Denniston, now of Honolulu, formerly general passenger department representative of the Great Northern at Seattle and chestra. S. N. Steele will lead the Church, was the speaker, and spoke soloists. The chairman in charge of the affair is Mrs. Thomas W. Saul, wife of Captain France. Among the patronesses of the evening in France. Among the patronesses of the evening in France. Among the patronesses of the evening tare Mesdames Farrell, Platt, Curry, whitehouse and Skene. Rev. H. F. Geldon to Be Speaker. Rev. Harry F. Geldon, of Clatskanie, Or., will be the speaker at the Men's Resort Sunday night at 8 o'clock, Miss passenger department representative will also be special music by the on- of the Great Northern at Seattle and chestra. S. N. Steele will lead the Church, was the speaker, and spoke soloists. It Was a Scream on the Stage—It's a Riot in the Picture

And Billy Parsons, the Hairless Comedian, in a Love Song in Two Spasms.

READY FOR ACTION AT THE ECLIPSE STATION OF UNITED STATES NAVAL OBSERVATORY, BAKER, OR.



PHOTOGRAPH SHOWS THE MORE IMPORTANT INSTRUMENTS TO BE USED IN THE STUDY OF THE ECLIPSE TODAY. Members of the party, from left to right, are: Dr. Mary Murray Hopkins, Smith College, Northampton, Mass.; Dr. S. A. Mitchell, director Leander McCormick Observatory, University of Virginia; G. H. Pehling, naval station, Bremerton; Dr. P. W. Merrill, Bureau of Standards, Washington, D. C.: Dr. Harriet Bigelow, Smith College; Dr. L. G. Hoxton, University of Virginia; J. C. Hammond, in charge of naval observatory party; Dr. George ft. Peters and C. C. Wylle, of the observatory; H. H. Horrick, C. Krummel and P. Weish, Bremerton; W. M. Conrad, naval observatory, and Howard Russell Butier, Princeton, N. J.

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