

# SCIENTISTS PLAN PHOTO RECORD IN ECLIPSE OF MOON

August 13 Phenomena Will Be 'Shot' With Huge Telescope For Data on Elements Queen or Night

By Howard W. Blakeslee (Associated Press Science Editor)  
 NEW YORK—(AP)—Two astronomers expect to be inside a telescope pointed at the total eclipse in New England August 31 and never see the eclipse at all.  
 They will work in darkness, within the 40 foot instrument of the University of Michigan at Freyburg, Maine. Their job is to change photographic plates several times during the 100 seconds of eclipse.  
 The pictures will be four and one-half inches in diameter, large scale photos of the corona, the white radiance streaming millions of miles outward from the edge of the dark moon.

**To Photograph Flames**  
 These big photos will show also the "solar prominences," tongues of flame rising from the edge of the sun. Some of them are as high as the distance from the earth to the moon, nearly a quarter of a million miles.

The secret of "coronium," a substance in the sun's atmosphere which gives off a green color, will be sought with an interferometer operated by Heber D. Curtis, Ph.D., director of the Michigan expedition.

Once coronium was thought to be some element unknown on earth. Now it is believed to be oxygen in highly electrified form. But identification is not certain.

**May Have Practical Uses**  
 The identification might lead to practical uses on earth. Dr. Curtis has tried eight times at previous eclipses to make an interferometer assay, each time with the co-operation of Dr. Wright of Swarthmore. All eight attempts failed. This time Dr. Curtis has a bigger interferometer, said to be the largest ever used on an eclipse.

An interferometer splits a beam of light into two rays and reflects them so that they come back together again to fall on the same spot. At this spot details of the structure of light become visible to the eye. Thus the interferometer is a substitute for a microscope.

**Plan Movies of Eclipse**  
 Motion pictures of the eclipse by a new method is another Michigan project at Freyburg. The old principle is employed of intermittent photos, speeded up the same as a flower's growth is shown in the movies.

The new feature is a set of gears capable of following automatically the path of the moon. The queen of night deceives the eye into an illusion that she travels a straight path of unchanging speed. Actually the path is erratic with speed increasing near the horizon.

The Michigan party will also take a "look" at the invisible infra-red rays coming from the sun's corona. Specially sensitized photographic plates will record the spectra of atoms beyond the last visible red light, atoms which give off heat but no light.

This expedition is one of nearly 30 from the United States, Canada, Europe and the Orient, all of which will set up instruments and keep a number of astronomers busy taking scientific snap shots of this eclipse.

**Sour Milk Griddle Cakes**  
 Mix and sift together.  
 2 1/2 cups flour.  
 1/2 teaspoon salt.  
 2 tablespoons sugar.  
 Add—  
 1 1/4 teaspoon soda.  
 2 cups sour milk.  
 1 egg, well beaten.  
 Beat well and bake on griddle.

**Sour Milk Waffles**  
 1 1/4 cup flour.  
 1/2 teaspoon salt.  
 1 teaspoon soda.  
 1 cup sour milk.  
 4 tablespoons melted butter.  
 3 egg yolks, well beaten.  
 3 egg whites, beaten until stiff.  
 Mix and sift dry ingredients. Add cream, well beaten egg yolks and melted butter then fold in the stiffly beaten egg whites.

**Biscuits With Sour Milk**  
 2 cups bread flour.  
 1/2 teaspoon soda.  
 1 teaspoon salt.  
 2 tablespoons shortening.  
 1/2 to 3/4 cups sour milk (so that dough can be handled without sticking).

**Chocolate Cake**  
 1/2 cup butter.  
 1 1/2 cups sugar.  
 2 squares chocolate.  
 3 egg yolks.  
 2 cups pastry flour.  
 3 teaspoons baking powder.  
 1 teaspoon cinnamon.  
 1 cup sour milk.  
 1 teaspoon soda.  
 3 egg whites.  
 1 teaspoon vanilla.  
 Cream butter, add sugar gradually and cream thoroughly. Add melted chocolate and drop in the egg yolks, mixing all well. Sift the flour, baking powder, cinnamon together and add one-third to creamed mixture before adding any of the milk in which the soda has been dissolved.

Alternate until all is used then fold in the beaten whites and add the vanilla. Bake in layers at 350 degrees for 35 minutes.

**Sour Cream Pie**  
 2 eggs.  
 1/2 cup sugar.  
 1 tablespoon flour.  
 1 teaspoon cinnamon.  
 1 cup sour cream.  
 1 cup chopped raisins.  
 4 tablespoons sugar.  
 Separate the eggs and beat yolks, add the sugar which has been blended with the flour and cinnamon. Add one sour cream and one chopped raisin and cook until thick. Four into baked crust. Beat the egg whites stiff and add the 4 tablespoons of sugar then spread on top of the pie and brown in a very slow oven.

**Sour Cream Cake Filling**  
 1/2 cup sour cream.  
 1 cup brown sugar.  
 3 egg yolks.  
 1/2 cup chopped nuts.  
 Beat yolks until a lemon color, add to sugar and cream and cook in double boiler until thick, stirring constantly. Add nuts and spread between layers.

**Sour Cream Salad Dressing**  
 1 cup sour cream.  
 3 tablespoons vinegar.  
 2 tablespoons sugar.  
 1/2 teaspoon salt.  
 Few grains cayenne.  
 1/4 teaspoon mustard.  
 Beat cream until stiff. Add seasonings and vinegar very slowly and continue beating until very thick. Serve with cabbage or lettuce.

**Pork Tenderloin with Sour Cream**  
 Slice meat crosswise, flatten and roll in flour. Brown 1 tablespoon of minced onion in fat and then add the piece of meat and season with well on both sides, add one-half cup of sour cream, cover and cook 30 minutes either on top of range or in oven with dinner.

**Chocolate Filled Cookies**  
 1/2 cup shortening.  
 1/2 cup brown sugar.  
 1/2 cup white sugar.  
 1/2 cup ground chocolate.  
 1 cup flour.

1 teaspoon soda.  
 1/2 cup sour milk.  
 1 egg.  
 Cream shortening well with the sugar. Sift soda and chocolate with flour and add the slightly beaten egg. Add milk gradually and turn onto floured board for rolling rather thin. Cut and bake at 400 degrees from 8 to 10 minutes. When cool spread with a frosting made with  
 1 tablespoon butter.  
 2 tablespoons hot water.  
 1 tablespoon vanilla.  
 Powder sugar to stiffen.  
 Put together like a sandwich.  
**Sour Milk Gingerbread**  
 1 1/2 cups flour.  
 1/2 teaspoon salt.  
 1/2 teaspoon cinnamon.  
 1 teaspoon ginger.  
 1/2 cup sour milk.  
 1/2 cup molasses.  
 6 tablespoons sugar.  
 3 tablespoons fat.  
 Stir soda into milk. Mix dry ingredients, leaving hollow in center; pour milk into this center and add melted fat then egg and molasses. Beat until smooth. Fill pan two-thirds full of this mixture and bake 45 minutes at 375 degrees.

## HIGHER EDUCATION SYSTEM OUTLINED

SALEM, Aug. 5.—(AP)—The first descriptive booklet containing the outline and essential details of the new Oregon state system of higher education was distributed today by the state board of higher education. The course of study offered at the six units within the state.  
 C. L. Starr, chairman of the board, said the booklet was prepared primarily for information of high school graduates seeking further education.

## ABANG-UP BIRTHDAY PARTY means plenty of hospitality. When you make a lot of preparations, naturally you want good results. Use BUDWEISER MALT and you'll get results.

BUDWEISER uniformity is due to 75 years' experience and the finest ingredients money can buy. 3 lbs. in the big red can—light or dark.

**ALL SET... for Dad's birthday**



# Budweiser MALT

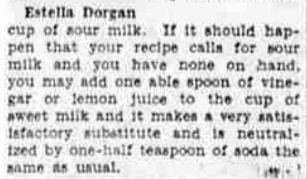
ANHEUSER-BUSCH-ST. LOUIS

## CULINARY CRAFT....

By Estella Dorgan, Director of Home Service, California Oregon Power Co.

### THESE ARE DELIGHTFUL SOUR MILK RECIPES

With the coming of good refrigeration, particularly electric refrigeration, into the home sour milk is not a problem; in fact, it has to be especially "soured." But the tenderness of foods made with sour milk is known to all good cooks and recipes of this type are among the most prized in any collection.  
 The rule for using sour milk is to use one-half teaspoon of baking soda to each cup of sour milk. If it should happen that your recipe calls for sour milk and you have none on hand, you may add one able spoon of vinegar or lemon juice to the cup of sweet milk and it makes a very satisfactory substitute and is neutralized by one-half teaspoon of soda the same as usual.



## PERMANENT WAVES

French Steam Push Wave Complete \$1.98

Finger Wave 50c For a limited time only

ALAINE'S Beauty Shop Phone 1518 113 E. Main

Buying for Cash at the Star Market

# SAVES MONEY

## SATURDAY SPECIALS

Apricots Home grown. Per lug	<b>45c</b>	Fresh Bread Made in Medford. 1-lb. loaf	<b>5c</b>
------------------------------------	------------	---	-----------

Beef Pot Roast, lb.	9c
Beef Short Ribs, lb.	7c
All Choice Beef Steaks, lb.	15c
Beef Liver, lb.	5c
Fresh Side Pork, lb.	12c
Swift's Picnic Shoulder, lb.	13c
Wienerwurst, lb.	12c
Libby Sauer Kraut, 2 1/2 size can	12c
Fresh Ground Hamburger, 2 lbs.	19c
Home Rendered Lard, 3 lbs.	25c

# STAR MARKET

314 E. Main We Deliver Phone 273

ELECTRIC Drive—GYRATOR Action LOVELL Wringer  
 And FULL Capacity PORCELAIN Tub.

# WARDWAY SPECIAL

Count the Features—then Imagine This Low Price!



\$49.95

—No center post to tangle clothes.  
 —Tri-Vane Gyrator Agitator.  
 —Lovell Swinging Wringer.  
 —Full 8-Sheet Capacity Porcelain Enameled Tub, Blue and White.  
 —Ballon Rolls Safety Release.  
 —1/4 H. P. Splash-Proof Motor.  
 —Oversize Drain Faucet for Hose.  
 —Water-Tight Cover.  
 —Adjustable Casters.  
 —Washes in 6 to 8 Minutes without hand rubbing.  
 UNCONDITIONALLY GUARANTEED  
 —Prompt expert service.

\$1.25 A WEEK \$5 DOWN Small Carrying Charge on Deferred Payments 30 DAYS TRIAL

## CLEARANCE SALE On All Wicker Furniture

Prices Reduced From 20% to 40%

3-PIECE WICKER SET—Built durable and strong; very good-looking. Regular price \$39.95. Sale \$29.95

WICKER PORCH CHAIRS—Ideal for cabin. Reg. \$6.95. Now \$5.60

9x12 IMPORTED GRASS RUGS—Bright and cheerful. Extra heavy weight. Reg \$24.95. Now \$15.95

MEDIUM WEIGHT IMPORTED GRASS RUGS, 9x12. For porch, bedroom or cabin. Originally \$16.95, now \$9.60

SMALL GRASS RUGS—3x6. Can be used many places in the home. Regular price \$5.95. Now \$3.00

LARGE SIZE WATER SPRINKLER, 12 qt. Galvanized. Reg. \$1.39. Now \$1.00

SPECIAL SALE ON GARBAGE Cans, 20 gal., galvanized, with lid. Ordinarily sells for \$1.75. Now \$1.00

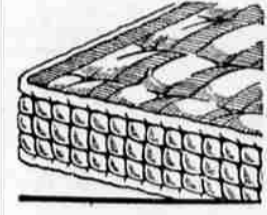
# MONTGOMERY WARD & Co.

117 So. Central Medford, Ore. Phone 286

Probably the Greatest Furniture Sale This Generation Will Ever See!

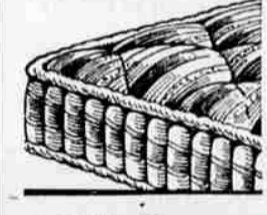
# AUGUST SALE of FURNITURE

Hogs up 55% in three weeks — Cattle up 33% in 18 days—Cotton up \$5.75 a bale. Seems the depression has hit bottom, and prices are going up. Economists agree this generation will never again see values such as are offered in the August Furniture Sale.



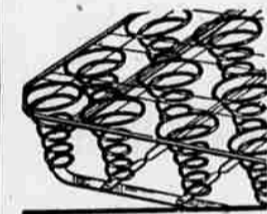
50-lb. Cotton Mattresses \$6.95

Floral drill ticking over layers of felted cotton, with inside of new clean cotton. Deep tufting. Roll edge.



40-lb. Cotton Mattresses \$4.95

New clean, fluffy cotton between layers of felted cotton; floral art ticking. Firm tufting; neat roll edges.



Single Deck 99-Coil Spring \$5.95

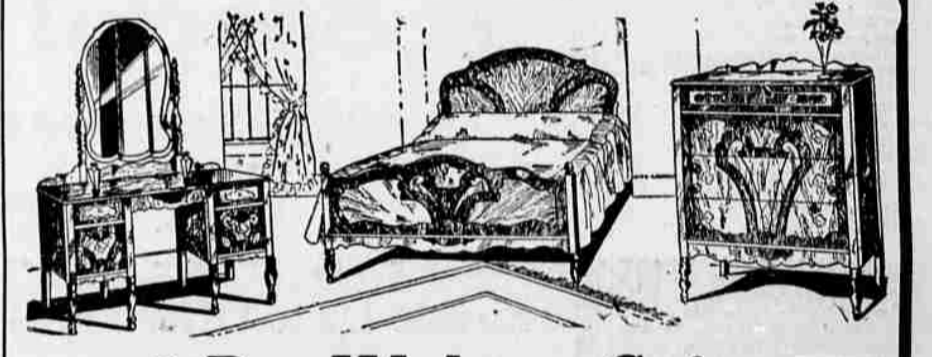
Each spring anchored to drop slat steel base, and cross tied for sturdiness and comfort. Green baked-on enamel.



## Beautiful 8-Pc. Walnut Veneer Dining Room Suite

Here is the newest thing in dining room suites. All hardwood construction, splendid lacquer, hand rubbed finish. Table of graceful proportion with chairs of harmonizing style. New style buffet with maple overlays—over which is stenciled patterns in darker tones. \$54.95

\$5 Down. \$6.50 Monthly Small Carrying Charge



## 3-Pc. Walnut Suite

WITH BEAUTIFUL BIRDSEYE MAPLE OVERLAYS  
 Now is your chance to furnish your bedroom at a saving during the August Sale—and here is the Suite! 3 beautiful pieces faced with Oriental wood veneers with maple overlays and walnut finish. Notice the size of the Bed, deck-top Chest, Large Size Vanity. Hardwood interiors; dustproof top and bottom! \$39.95

\$4 Down. \$5.50 Monthly