

### SCIENTISTS ARE READY FOR EVENT

Make Great Preparations to Watch the Eclipse of the Sun

Washington, Dec. 18.—Scientists believe they have gathered from experience a good idea of some of the unusual things that will take place in connection with the total eclipse of the sun January 24.

Prof. George H. Peters of the Naval Observatory, who has been on intimate terms with Old Sol for 23 years, related recently some of the developments that may be looked for in the "shadow path," with favorable weather, on the morning of the eclipse.

These include a fall of a few degrees in temperature. Animals are likely to become perplexed, and birds go to roost. Looking toward the west, just before the eclipse becomes total, one may observe the shadow of the moon coming toward the observer as if a thunderstorm were imminent.

The sun has just passed its minimum period of spots, and will probably have some spots in January at eclipse time, causing some disturbance of the corona, which can only be seen during total solar eclipse. The sun is 400 times farther away from the earth than is the moon.

The ideal spot to observe the eclipse would be far out in the North Atlantic ocean, for the central line, passing over Montauk Point, N. Y., traverses the sea for the rest of its length, until north of the British Isles, the total eclipse becomes visible at sunset.

At sunrise, just east of Red Lake, Minnesota, the eclipse will be total. In the eastern section of the United States, the eclipse will be visible early in the forenoon, and in the far west, not at all, for it will still be dark there. Over the North Atlantic Ocean, it will be noon and afternoon, at eclipse time. The best position for observations in the United States will be along the line from Buffalo to Montauk Point. In Minnesota, the "shadow path" will be about 35 miles broad, growing gradually wider to the eastward, until in the region of the Hudson river, it becomes 110 miles broad. At Martha's Vineyard and Nantucket, Mass., which will not be on its central line, the "shadow path" will measure some 120 miles across. Until the eclipse reaches Buffalo, however, the sun will be low on the horizon.

If at the equator, the moon's shadow, blotting out the sun's rays from the earth, would sweep across this body at the rate of 1,000 miles an hour. In the eastern part of the United States, this rate will be greater, as the shadow will have the benefit of the earth's most rapid rotation in miles, owing to the shorter circumference encountered nearer the earth's northern axis.

Another phase of the eclipse will be the possible revival of the weather insurance feature. Scientific bodies are put to much expense in sending out parties, and with unfavorable weather, their work goes for naught.

Scientists will conduct further tests of the Einstein theory, and will also observe the solar corona and make spectroscopic observations, if the weather is clear. It has been suggested that efforts be made to ascertain if they increase markedly while the eclipse is in progress, and decrease sharply near its conclusion.

### BOOTLEGGERS HAVE NEW HIDING PLACE

(By the Associated Press.)  
New Orleans, Dec. 18.—With the arrest of two St. Louis men, officers said they have uncovered a liquor ring which used a new method of transportation. Liquor has been shipped from New Orleans to Denver behind the paneling of pullman cars, it was disclosed.

John F. Martin, 30, and Sam Powell, 20, both of St. Louis, were taken in custody when 23 sacks of whisky and an automobile were seized at the union station.

The bootleggers unscrewed the panels from pullmans in sidings, put liquor in the open space between the outer and interior side of cars, screwed them up again and then wired confederates in Denver in code the name of the pullman and the train it would leave on, according to the police.

### RIGSBY FAMILY TO GO TO NEW YORK

Mr. and Mrs. R. W. Rigby and son leave Friday afternoon for New York city where they will spend the Christmas holidays. While there Mr. Rigby will confer with a number of experts in city planning and zoning as applicable to Durham.

### \$150,000 Salary Is Offered Brush



Matthew C. Brush, president and chairman of the Executive Committee of the American International Corporation, of New York has been offered the presidency of the American Sugar Refining Company, at a salary of \$150,000 a year. He refused to accept.

**Electric Curlers**  
Electric curling irons fully guaranteed for one year with long cord and plug. Complete ..... **\$1**

**Alarm Clocks**  
30 hour nickle plated alarm clocks. Guaranteed accurate for one year. A big value at ..... **\$1.29**

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**Umbrellas**  
Any lady or miss will be delighted if Santa brings her a beautiful "Gloria" silk umbrella. Navy, maroon, purple and green. Various handles. Each **\$3.98**

**Beaded Bags**  
Make bright cherry Christmas gifts. Shown in every hue. Patterns that compel admiration. Scores to select from. Each ..... **\$2.98**

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81x90 inch Monaghan fancy bed spreads with throws to match. Blue, rose or gold. Any wife or wife-to-be will be proud of a treat like this. Set ..... **\$4.95**

**Dresser Scarfs**  
18x56 Linen Dresser scarfs embroidered in beautiful designs of Red, green, blue and gold. Give linens like these and your gift is sure to please. **50c to \$1.00**

MANY PATTERNS

**GIVE HER DISHES**  
In Sets or Open Stock

**32-Piece Dinner Set**  
Floral patterns in elegant quality. 32 piece dinner set. Permanent designs in colors. Set **\$6.95**

**42-Piece Dinner Set**  
Beautiful blue bird design. Open stock for replacing old or broken pieces. Complete service. 42 large pieces ..... **\$9.95**

**50-Piece Dinner Set**  
Big home place set with attractive borders in blue or brown. Heavy, perfect. **\$12.95**

**8 IN. PLATES.**  
Bluebird pattern, 8 in. Plates Set of 6 for ..... **\$1.25**

**BOWLS**  
9-12 inch Safford bowls. Each ..... **48c.**

**PLATTERS**  
11 inch Safford platters. Each ..... **39c.**

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**DOLLS!**  
Large Mama dolls neatly dressed **\$1.00 to \$5.98**  
Large jointed dolls in blue or brown. Heavy, perfect. **\$2.98**  
American made dolls **50c to \$2.98**

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Complete instructions for building many things. **75c.**

**Trains**  
American Flyer mechanical trains with plenty of track. **\$1.00 to \$11.95**

**Tool Chests**  
Complete with strong tools for the boy. **98c to \$3.50**

**Rocking Horses**  
Extra large size and strongly made ..... **\$2.48**  
Smaller size ..... **\$1.98**

**Kiddie Kars**  
with disc wood wheels, disc steel wheels or spoke wheels. **\$1.48 to \$3.50**

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**Ladies' H'KERCHIEFS**  
Fine white or colored handkerchiefs with embroidered corners. 6 in a box for ..... **98c**

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Ladies' dainty handkerchiefs in white and all good shades. 3 in holiday box for ..... **69c**

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Children's cute little handkerchiefs, with embroidered corner designs in colors. 3 in holiday box for ..... **25c**

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Men's fine satin-finished white handkerchiefs with colored borders. Packed 3 in Christmas box for ..... **75c**

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Men's plain white linen finish handkerchiefs in large size. 3 in Christmas box for ..... **50c**

**Women's H'KERCHIEFS**  
Hundreds of dainty gift handkerchiefs with designs or plain white or colors. Each **10c to 25c**

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12 piece Ivory Manicuring Set in satin lined folding case. A gift that will make her happy and our price is only ..... **\$1.48**

**Men's Set**  
Men's Military brush set. Two strong brushes and comb in satin lined case ..... **\$4.98**

**Collar Bag**  
Men's leather collar pouches splendid lining in several colors. He may need one. Each ..... **\$1.00**

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American Flyer mechanical trains with plenty of track. **\$1.00 to \$11.95**

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Complete with strong tools for the boy. **98c to \$3.50**

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**Kiddie Kars**  
with disc wood wheels, disc steel wheels or spoke wheels. **\$1.48 to \$3.50**

**Colgate's Florinth Vanity Set For "Her"**

Set consists of Powder, Rouge, Perfume and toilet water and is packed in pretty satin lined box. Set ..... **\$5.98**

**Mavis Set**  
Mavis vanity set with powder perfume and toilet water. Satin lined case. **\$2.98**

**Vanity Set**  
Hudnuts Rose of Omar set. Toilet water, talcum and perfume in satin lined box. Set ..... **\$2.98**

**Give Something for the Home - A Gift of Lasting Usefulness**

**Art Rugs**  
Diamond Brush Velvet Rugs in many attractive colorful patterns. 9x12 feet only ..... **\$35**

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Beautiful Chinese and Persian patterns in Wilton or Velvet rugs 9x12 feet. Nothing better for a gift to the home. Only ..... **\$49.50**

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Neat and attractive all over designs in 9x12 feet wool fibre rugs. Doubly durable. Only ..... **\$12.95**

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27 x 54 inch Velvet Scatter rugs in many patterns and colors. Also an ideal gift. Only ..... **\$3.75**

**Floor Covering**  
Birds Neponset Felt base floor covering. Fully guaranteed. 2 yards wide. Many different patterns. Square yard ..... **69c**

**Remnant Special**  
Remnants of Gold Seal Congoleum and Neponset floor covering. Pieces 1 yard square or bigger. Choice of dozens at ..... **39c**

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**Army Wools**  
66x80 inch army wool blankets in brown, tan or grey. Each ..... **\$2.98**

**Cottons**  
66x80 inch double bed cotton blankets in pairs. Grey with pink or blue border. Pair ..... **\$2.98**

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Wool mixed blankets in pretty colorful plaids. 72x84 inches in pairs \$5.00 values ..... **\$3.98**

**Our "Special"**  
Gilmer's Special wool mixed blankets in heavy pairs. Double bed size too. Priced low at ..... **\$4.98**

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Beautiful plaids or solids in all wool blankets for biggest bed. 70x80 inches. Satin binding. Pair ..... **\$8.98**

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Choice plaid blankets of nearly all wool. Many colors. An ideal gift. Pair ..... **\$6.98**

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**For Women**  
Women's heavy all-wool felt bedroom slippers in many colors. 3 to 8. Pair ..... **69c**

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Leather soled, fur trimmed felt Juliets with rubber heels. Several good colors in sizes 3 to 8. Pair ..... **\$1.69**

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The men, too, appreciate the comfort and restfulness of these all-wool felts with soft soles. Dark colors. Hy-lo turn over top. Pair ..... **\$1.19**

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