

RARE SIGHT TO BE VISIBLE IN SKIES MAY 3

Jupiter Without Moons to Be Spectacle for Star Gazers.

PHILADELPHIA, April 29.—One of the rarest of astronomical spectacles—that of the planet Jupiter without any moons—will be visible to star-gazers equipped with small telescopes on the evening of Tuesday, May 3.

Jupiter, largest of the earth's family of planets that revolve around the sun, is provided with nine satellites, or moons, of which four easily are visible through even a small telescope. These, in the order of distance from Jupiter, are Io, Europa, Ganymede and Callisto. As they travel in their orbits around Jupiter, these bodies often disappear from view, in one of three ways. A moon may disappear behind the planet; it may come in front of the planet, where its similarity of color makes it invisible, or it may enter the shadow of Jupiter. It disappears then because the moons are seen only by reflected light, and when this illumination is cut off, the satellite can not be seen.

Next Time in 1939
Any of the four large moons may so vanish, and every day one or more do so. It often happens that two are gone simultaneously, and occasionally three disappear at once, leaving only a single satellite visible. Very seldom do all four vanish together, leaving a moonless Jupiter on view, but this is what will happen next Tuesday.

The last time this happened, when Jupiter could be seen from the United States, was on May 10, 1914. After next Tuesday it will not be seen again from this part of the world until July 16, 1939.

If you look at Jupiter at 6 p. m., central standard time, on the evening of May 3, you will see two moons to the east of the planet and one to the west. From east to west they are Callisto, Io, and Europa. Ganymede already has disappeared, having hidden behind the planet at 4:12.

Then, at 6:45, Europa follows it into hiding. Two moons remain, both to the east. At 7:51, Callisto moves into the shadow of Jupiter, leaving only Io still visible. This only continues for about half a minute, for at 7:52 Ganymede emerges from behind the planet, and once again there are two visible, to the east.

One Moon Seen
But at 8:04 Io vanishes, as it crosses the planet's face. Again only one moon is to be seen, Ganymede to the east. At 9:24 Ganymede has moved over far enough to enter the planet's shadow, and then no moons at all are visible.

This state of affairs continues until 10:20, when Io, having crossed the disc of Jupiter, reappears. At 12:07, 5 a. m., Europa emerges from the shadow, which it entered before it passed from behind the planet. By this time Jupiter has set for people in the eastern United States, but it still is visible in the west. At 12:43, Callisto reappears from the shadow in which it was eclipsed. Now three satellites are visible: Europa and Callisto to the east, Io to the west.

Finally, at 1:01, Ganymede emerges from the shadow, and joins his brothers to the east. Once again, all four moons are shining.

HIGH SCHOOL PUPILS TO VISIT INDIANA U.
Special Programs Is Arranged for May 7 Guests.

BLOOMINGTON, Ind., April 29.—Indiana high school pupils will be entertained Saturday, May 7, in a special state high school day program at Indiana university, according to plans announced here today.

President William Love Bryan of the university has sent an invitation to high school pupils through their principals and indications are that the attendance, from many parts of the state, will reach 1,000.

A special program is being arranged, to include university sightseeing through the observatory, library, medical school, scientific laboratories, and other points of interest. The university band will play and deans and student leaders will welcome the visitors at a reception in the new Union building.

High school headquarters will be in the new building. All high school pupils will be guests of the athletic department at the Ohio State-Indiana Big Ten baseball game in the afternoon.

Deny Royal Dutch Crisis
AMSTERDAM, April 29.—Rumors that Sir Henri Deterding had resigned or intended to resign as head of the Royal Dutch Oil interests were denied today by directors of the company here. Reports Thursday that Sir Henri might resign sent Royal Dutch shares tumbling on the bourse.

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Plight of Agriculture Brands U. S. Farm Board as Huge 'Flop'



How the price of cotton has fallen, despite the \$500,000,000 federal farm board's activity since its formation in 1929, is shown in the above chart, prepared from data compiled by the United States department of commerce and covering cotton prices from 1910 to the present. Four purposes of comparison, a price of 12.4 cents a pound is rated at 100 per cent.

This is the second of three stories on the Federal Farm Board, Uncle Sam's \$500,000,000 organization which was designed to halt falling farm prices. Its expenditure of \$200,000,000 in trying to get wheat and cotton prices soon is to be investigated by a senate committee.

BY RODNEY DUTCHER
SEA Service Writer
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WASHINGTON, April 29.—The federal farm board, if you judge it by what has happened to the farmer in the nearly three years since it was appointed to effect his relief, has been a frightful failure.

Otherwise, it would not be in for such intense scrutiny from congress as it will receive during the investigation by the senate agricultural committee.

Battered by a 50 per cent decline in farm prices since 1929, by huge surpluses in the big crops, by continued depression with its effect of lower consumption, by rural bank failures and drought and other adversities for which the farm board hardly can be blamed, the American farmer today is far worse off than before he ever heard of the agricultural marketing act, which was hailed as the means of his salvation.

Farm income fell from about \$12,000,000,000 in 1929 to about \$7,000,000,000 in 1931. Farm prices stand at about two-thirds the pre-war level.

MEANWHILE, the farm board has drawn \$500,000,000 of Uncle Sam's money to improve marketing conditions, stimulate and aid co-operatives and, when the big breaks in wheat and cotton came, to plunge into the market through the Grain Stabilization Corporation and Cotton Stabilization Corporation in an effort to hold up the price.

The general results are well-known. The board bought 330,000,000 bushels of wheat and, when it made its figures public last fall, still held 190,000,000 bushels. It paid an average of 82 cents a bushel. Wheat lately has been selling below 60 cents.

On the first of last November the board estimated a "paper loss" of \$102,000,000. Congress has since voted 40,000,000 bushels of the wheat for unemployed relief and a few million bushels have been sold.

CARRYING and operating charges have mounted on the

NEGRO BATTLES GUARDS; DELAYS HIS EXECUTION

Tear Gas Subdues Doomed Slayer in Frantic Fight to Escape Chair.

EDDYVILLE, Ky., April 29.—The final minutes before death in the electric chair which engender in most prisoners a religious calm, brought only fury from Walter Holmes, 31-year-old Chicago Negro who fought off his executioners for an hour and a half.

Holmes died in the electric chair at state prison here at 2:12 a. m.

Tear gas fumes still lurked in his cell as he was led forth, subdued, smiling, and smoking a cigaret. There had been a terrific struggle. The Negro was to have died with A. B. (Peggy) Cooksey, Negro, who killed Police Chief John H. Ashby at Madisonville and Charles Rogers, 23, Chicago, convicted with Holmes of slaying Thomas Tilley, Hardin county farmer, during a robbery and criminal attack foray through three states. Cooksey and Rogers died shortly after midnight.

When guards went back for Holmes, he was running hot water into a cup and sent them back with a cry by hurling the scalding fluid at them.

They closed in again. The Negro wrenched a pipe from the plumbing in his cell and beset them. The guards retreated for a consultation. The Negro's curses rang out in the corridors.

Tear gas was obtained. The Negro relented when his stinging fumes almost blinded him.

The prisoner some hours before had stabbed Guard Claude Ramey with a crude weapon made from a water bucket handle. Ramey's wound was not serious.

PLANT MAY EXPAND

Inland Steel Company Considers Move to Duplicate Factory.

HAMMOND, Ind., April 29.—Plans of the Inland Steel Company to duplicate its present plant at Indiana Harbor were disclosed at a hearing conducted by Colonel W. G. Caples, United States district engineer.

Urging that their petition to fill in a large area off the shore of Lake Michigan be granted, representatives of the company said the land on which they proposed to build would "render available a site for duplication of our present mills."

Seeks Title



Butler university's representative in the final competition in the national intercollegiate oratorical contest to be held in Chicago Saturday will be Paul Duncan, a senior. Five other speakers will compete for the national title.

Duncan, according to Professor Claude Sifrit, head of the Butler speech department, is one of the best orators ever developed at Butler. He won the state contest in 1930, and has placed in various other state and local contests.

STAPP TO RACE HERE

Auto Driver's Injuries Are Not Serious.

Injury to Babe Stapp, race driver, who crashed at Ascot track, Los Angeles, Wednesday night will not prevent him from competing in the annual 500-mile race here May 30, a wire from Art Pillsbury, American Automobile Association representative, to the Indianapolis Motor Speedway, stated today.

Pillsbury indicated that early reports of the accident were exaggerated. "Stapp was badly shaken up and has an arm broken, but otherwise he is coming through fine," Pillsbury said. "I have accepted his entry in your race. He will drive a Gilmore Special, owned by Art Sparks. Stapp will be there and expects to drive. His entry will be sent you by air mail tonight."

Entries for the Decoration day race close at midnight Monday, May 2, and applications postmarked before midnight are accepted.

THOUSANDS JAM JAILS OF INDIA

40,000 Arrested in Effort to Crush Civil Revolt.

LONDON, April 29.—India's jails and prison camps are filled with thousands of Nationalists, men and women, as the result of Mahatma Gandhi's civil disobedience campaign and the efforts of the Indian government to crush the movement.

by a series of the most repressive measures in the history of the Nationalist movement.
More than 40,000 persons were arrested and convicted in the government drive during the first three months of 1932, and several thousand more have been detained during April.
Leaders of the Indian national congress claim that despite the imprisonment of scores of the most prominent figures, the government has failed to strangle the movement, but only driven it underground.
Government spokesmen hesitate to claim victory. Hundreds of persons are injured daily in clashes with police, according to information reaching London.

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