## The Eclipse Of The Sun On May 9th

At the request of the editor, the present writer asked the Director of the Weather Bureau for information regarding the coming eclipse, especially as affecting Zamboanga. In reply Fr. Selga sent a twenty-four page booklet with charts, maps and general information, and gave some specific details about the eclipse as it will appear in Zamboanga. His letter dated March 27, 1929, is as follows:

"I am more than pleased to send you the pamphlet on the eclipse of May 9, 1929. I hope you will find therein all the information you may wish for yourself and your friend of the MINDANAO HERALD. As you see in the map, mid-totality is due at Zamboanga at 3:26 p. m., and the sun-although not totally eclipsed, will be

Sincerely yours, etc.,
MIGUEL SELGA."

To this splendidly prepared booklet, and to the Encyclopedia Britannica and to books on astronomy, the scientifically inclined may go for technical information. The present article, prepared by a layman in astronomy and intended for laymen, presents merely some of the more popular phases of the question. The preparations that have been made for observing the phenomenon and a few extracts from Fr. Selga's pamphlet will be found in another article in this issue

The Shadow of the Moon First then, what is an eclipse of the

Heavenly Body Will Be 90 Per Cent. is about 2,000 miles in diameter. So that even if the moon were right up Obscured from the People of Zamboanga at 3:26 O'clock, Post Meridian

## What is an Eclipse and Why? Why a tis an Eclipse and Why?

By Father Thomas J. Murray, S. J.

A solar eclipse has been defined as obscured at all. the complete or partial obscuration of the disk of the sun by the interposithe complete or partial obscuration of the disk of the sun by the interposition of the moon. In other words, the moon passes between the sun and the earth and so close to the earth that the moon's shadow falls on some portion of the earth's surface.

Like a Bird's Flight by the heavenly bodies.

In all ages, when an eclipse loas taken place, it has excited the proportion of the earth's surface.

Three men are standing ten feet taken place, it has excited the proportion of the earth's surface.

There men are standing ten feet taken place, it has excited the proportion of the earth's surface.

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The individual of the earth of the earth of the proportion of the earth's surface.

body, the moon is comparatively small, smaller in fact than the earth. Hence is list only when the moon is relatively left both continue to see the building. In 69, B.C. 160 and the rotal near the earth that the sun is eclipsed. For them there is no eclipse. The eclipse is recorded at Nirseveh, on Moreover the shadow of the moon building is the sun. The bird results on only part of the earth. This shadow on May 9th will be approximately 110 miles wide. Only those observers at Cebu or Hollo. The men into the Christian era, the Anglo-observers, then, who are within on the right and left are observers at Saxon Chronicle mentions eclipses this belt on the earth's surface will the north or south ends of the earth. Statistics often confuse. Neverthese at Cebu, Hollo and places of like less, at the risk of becoming obscure, 1191 A.D. Every important eclipse latitude in the Philippines will see I am going to quote in round figures from 1803 to 1999 is given in the the sun, the earth Encyclopedia Britangia, together natitude in the ramples are sense and the sun, the earth Encyclopedia Britannica, together Manila and in Zamboanga will see the and the moon.

with the exact time, blace and durantee the sun, the earth Encyclopedia Britannica, together the sun, the earth Encyclopedia Britannica, the eart the sub totally obscured. Feeple in Manila and in Zamboanga will see the and the moon. with the exact ti sun partially obscured. People far to The sun is approximately 886,000 tion of the eclipse the north or south will not see the sun miles in diameter, the earth is about (Continued)

Bear in mind that the sun is a huge the middle. As it crosses his line of before the time of Christ we have a body, the moon is comparatively small, vision, the building is obscured or historical record of an eclipsef, smaller in fact than the earth. Hence eclipsed. The men on his right and One occurred in Babylon on June 20,

8,000 miles in diameter and the moon close to the earth, its shadow would not completely cover the earth. On the other hand, if the moon were moon's average distance from the earth is only 240,000 miles.

## Eclipses of the Ages

Eclipses are among the most in To illustrate with a homely example: teresting phenomena presented to this

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