

N. N. O. 35

IN REPLY ADDRESS NOT THE SIGNER
OF THIS LETTER, BUT
SUPERINTENDENT, NAVAL OBSERVATORY,
WASHINGTON, D. C.

REFER TO NO.

EN23/H5(12)(105)

NAVY DEPARTMENT
U. S. NAVAL OBSERVATORY
WASHINGTON, D. C.

19 September 1929

*Eclipse 8
May 9/29*

Dear Father Selga:-

At the request of Doctor H. C. Kellers, I am transmitting to you under separate cover two identical positive prints of an eclipse film that the Doctor made at Antique, Panay, to indicate the varying intensity of light during the progress of the eclipse of 9 May last.

The Doctor's official report on this subject reads as follows:

"To study the intensity of the light, during the eclipse, I took a series of pictures on 5 feet of standard panchromatic super-speed moving picture film with my Leica camera at a constant shutter speed of 1/30 of a second, stop 9. These pictures were taken of the landscape alternately North and South, the first picture 5 minutes before the First Contact and continuing at 5 minute intervals to the second contact, when 4 pictures were taken, then continued at 5 minute intervals to the end of the Fourth Contact, this film was developed in a tank giving all exposures the same treatment and shows well the diminution of the light to no image during totality and the gradual increase of intensity during the Fourth Contact."

We hope to have our definitive report of the Iloilo eclipse in manuscript form ready for the public printer before June first next. I trust our data may prove interesting.