



THE LARGE SUN SPOT OF JULY 12 In first photo, the spot is on upper left side of solar disc; second photo is an enlargement of the spot.

BLAME IT ON THE SUN

radio communications were interrupt- Observatory to the scientific world. ed by serious and sustained black. The picture of the disc of the sun their all-important messages vanishing outs. Radiomen found their earphones on this page shows the large sun spot into thin air. The trouble on July 16 silent for hours.

ering a bit too close.

in the ionospheric regions of our at- waves could penetrate to their reflect- beauty to it but it is a deadly dan-

Recently, long-distance short-wave riodic reports sent out by the Manila ing layers in the ionosphere. Instead,

of July 12. The photo is known as was not an S.I.D. but an ionospheric These were serious and costly in- a Calcium Filtergram — the result of and magnetic storm, expected after terruptions. What was to blame? light coming from the sun's calcium. the appearance of the S.I.D. of the Certainly not the costly electronic The spot looks like a Greek tragic days before. This also caused vast equipment nor the well-trained per- mask. In the six years of continuous disruption of radio services. sonnel. The causes were identified operation of the ionospheric work of quickly. They originated on the smil- the Manila Observatory, the mornings es they seem to be on our photograph. ing surface of the sun above us, hov- of July 10, 14 and 16 will be historic. The area of the large one is in the For close to two hours each morning, neighborhood of two million sq. miles, Noting these sudden changes in the the upper atmosphere was found so which is 40 times the cross sectional incandescent furnace of the sun and disturbed that no long distance radio area of our earth. There is a certain

they were absorbed and dissipated,

Sun spots are not the small blemish-

gerous beauty. In its magnetic field is stored up more energy than Ambuklao Dam could supply in 40 million years. When such an amount of energy is released into space, it is not surprising that we find ourselves in a certain amount of trouble. - FR. PAUL B. HUGENDOBLER, S.J., Baguio City.

Phenomenal Memory

The man moved from one row to another of the speeding passenger bus, inquiring from each of us 48 passengers our respective destinations. Then, whistling a merry tune, he went back to his conductor's seat, took out his sheaf of tickets, hurriedly made 48 different sets of punches, and then handed us our tickets. Finally, after some three hours, and just when some passengers were nearing their destinations, he stopped his merry whistling and once more approached us - this time to collect our fares. And he remembered every single destination and how much fare each of us should pay! He didn't have to ask us again.

That conductor apparently possesses a very good memory, but I have met another man with an even more phenomenal memory.

It was in a town north of Manila, at a cockpit. Just before the gamecocks were released in the arena, there were three to four minutes of frenzied betting among the crowd. I saw the hero of my story at the edge of the arena, both hands uplifted and gesticulating in a manner that unmistakably indicated he was for a particular game-cock and was calling for bets against his choice from the packed gallery. "Your 10 pesos is accepted," he yelled at an equally frantic man in the upper tier of the gallery. "Your 15 pesos is accepted," he yelled to another just behind the first bettor. "Yes, your five pesos... and your 30 pesos . . . and your 25 pesos." He kept