

Public Invited To See Eclipse At ECU

By LEO W. JENKINS
EAST CAROLINA UNIVERSITY—This column comes in the form of an open invitation to everyone in North Carolina to visit the campus of East Carolina University on the weekend of March 7. The occasion? A total solar eclipse which will occur over the Greenville area.

Dr. R. M. Helms, professor of physics at ECU, informs me that this eclipse is unusual in that it breaks the normal time separation between eclipses. According to Dr. Helms, an eclipse occurs on the average of about once every 360 years. But it has been only seventy years since a total solar eclipse was seen in North Carolina.

Recently, I received a letter from Mrs. Iris C. Jackson of Kinston. She said her mother remembered the eclipse that occurred here in 1900. Here's how she described it: "The chickens went to roost and the cows came in to go to sleep at ten a. m. Total darkness was present for a time and the fowls and animals were perplexed to the point they felt it was night and time to rest."

There have been only four in the United States in the past fifty years, and in all the British Isles in 1400 years there have been 18 total eclipses. London has had two in the same fourteen centuries. This points up the rarity of the relatively brief span of seventy years separating the two eclipses that will have taken place in Eastern North Carolina.

Our science departments are using this event as a highlight of a two-day scientific conference to be held on the ECU campus March 6 and 7. Science educators and research people from throughout the world have been invited to take part in this conference. Invitations have gone to Russia, England, France, and a number of other countries inviting science teachers to attend this meeting and observe the eclipse. We hope to be able to get one of our astronauts to appear on the program as a guest speaker, but we are still awaiting confirmation of this invitation.

Just for the record, here are some facts concerning the eclipse: The partial eclipse at Greenville begins at 12:15:05 p. m.; totality begins at 1:31:51; totality ends at 2:48:56; partial eclipse ends at 2:48:56, all Eastern Standard Time.

In the Tar Heel State, the center of totality passes near Elizabethtown, LaGrange,

Greenville, Williamston and Windsor.

Now, for those who wish to observe the eclipse, here are a few tips. According to Dr. Helms, one should not look at the sun, even if partially eclipsed, with the naked eye. Sun burning of the retina will occur with the probability of a permanent blind spot resulting. Do not look through a telescope or binocular, at the sun. Permanent damage will result if the sun is full, or partially eclipsed.

Do not direct either camera or binocular toward the sun, either full or partly eclipsed, unless a suitable front filter is used. The camera focal plane shutter and cemented lens may be damaged. A pin-hole tube or "camera" may be used to view the eclipse, with an image of the partially eclipsed sun cast onto a screen. A "camera" made with a yard-long tube will produce a solar image over a half inch in diameter, magnified four times. It is perfectly safe.

If you would like a fact sheet on the coming eclipse for more detailed information, just contact my office or the East Carolina University's News Bureau. We'll be happy to furnish any information you wish.

Foot Rot Is Included Among Cattle Ailments

Beef cattle producers and dairymen must include foot rot among their animal health concerns. This ailment is common and can produce severe lameness.

Foot rot is caused by a bacterial organism that is widespread in nature, according to Dr. Robert F. Behlow, extension veterinarian at North Carolina State University.

Even though the disease is common, farmers whose herds have a high incidence of cases probably will find a predisposing cause if they look around the barnlot. It may be due to a wet, muddy barnyard with coarse gravel or sharp stones, a mud hole at the watering tank, a bad spot in the lane where the cattle walk frequently or a rocky creek bed.

Lameness is the first indication of foot rot, Behlow said. A close examination probably will show that the skin between the claws or at the bulb of the heel is red and swollen. If the infection is not stopped, it undermines the sole and walls

One DD Case In Short Term District Court

One defendant was found guilty on a drunk driving charge and a number of traffic cases were disposed of in a short session of District Court last Friday afternoon.

The length of the district court session was limited by the Civil Term of Superior Court which did not adjourn until early afternoon.

Roy Perry Alston was sentenced to the roads for 60 days when he was found guilty of a drunk driving charge. The sentence was suspended for 12 months upon condition the defendant surrender his operator's license for 12 months, except as allowed in limited driving privileges granted the defendant, and that he pays a \$100 fine and court costs.

Roy Perry Alston was ordered to pay a \$10 fine and court costs when he pled guilty to speeding 70 miles per hour in a 55 mph zone.

Stacey Russell pled guilty to speeding 70 miles per hour in a 55 mph zone. He was ordered to pay a \$20 fine and court costs.

Rensy Bryant was ordered to pay court costs when he pled guilty to speeding 70 miles per hour in a 65 mph zone.

James Andrews, Jr., pled guilty to driving with an expired operator's license and was ordered to pay court costs.

Joseph Malcolm Floyd, who waived a hearing of a charge of speeding 60 miles per hour in a 45 mph zone, was ordered to pay a \$10 fine and court costs.

Nicholas Durrroll was ordered to pay a \$10 fine and court costs when he pled guilty to

speeding 50 miles per hour in a 35 mph zone.

Rensy Pou Bryant pled guilty to speeding 70 miles per hour in a 60 mph zone. He was ordered to pay court costs.

Walter Talley, who pled guilty to a charge of public drunkenness, was taxed with court costs.

Clinton R. Yancey was ordered to pay court costs when he pled guilty to driving on the wrong side of the highway.

Lessie Wood Faircloth was ordered to pay a \$5.00 fine and court costs when he pled guilty to a charge of speeding 65 miles per hour in a 55 mph zone.

Johnnie P. Walker, who pled guilty to a charge of public drunkenness, was taxed with court costs.

Eleanor Odom Hight was ordered to pay a \$5.00 fine and court costs when she pled guilty to speeding 65 miles per hour in a 55 mph zone.

Jerry Norman Stallings pled guilty to failing to stop for a stop sign and was ordered to pay court costs.

James Rawlings pled guilty to a charge of failing to produce a valid operator's license and was ordered to pay a \$25 fine and court costs.

Lucies Harrison, who pled guilty of overtaking and passing another motor vehicle at a marked intersection, was ordered to pay a \$10 fine and court costs.

James Walter Hockenberry was ordered to pay court costs when he pled guilty to a charge of public drunkenness.

of the affected foot. In advanced cases, the infection spreads deeper and affects tendons and joints.

Foot rot seldom causes death loss, but it does cut down severely on milk production and gain, Dr. Behlow said.

Early treatment is the most effective. Where foot rot is suspected, examine the foot first for nail or wire punctures, cuts, wire wrapped around the foot or foreign objects between the claws.

Many of the cases suspected of being foot rot are quickly treated by removal of the foreign objects and routine treatment of the wound. In more severe cases, it may be necessary to bandage the foot.

Dr. Behlow suggested that farmers dealing with an early case of foot rot may get the best results from using the sulfa drugs — penicillin or streptomycin — intravenously. A combination of these type drugs

can be used. The affected animals should be kept in clean, dry areas to hasten rapid recovery. Prompt treatment can prevent most cases of foot rot from becoming serious.

Tough Question

It was a delightful spring day and four high school girls skipped morning classes to go for a drive. After lunch, they reported to a teacher that their car had had a flat tire on the way to school that morning.

To their relief, she smiled understandingly and said: "Girls, you missed a test this morning. Please take seats apart from one another and get out your notebooks."

When the girls were settled and waiting expectantly, the teacher continued, "No talking. Now write the answer to this question: 'Which tire was flat?'"

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