

The Cosmic Reporter

"August Sky Events"

By Tim Linder

Of the sky events occurring during August the most interesting will be the annual Perseid Meteor Shower which yields up to 60 or more meteors per hour. On August 25th-26th there will be a penumbral eclipse of the moon. This should also be an interesting event to follow. Here's what's happening in the August sky.

AUGUST 3: Today is the Last Quarter Moon. The moon is now only half full and is almost straight up at sunrise.

AUGUST 7: Before sunrise this morning look of the moon and Venus high in the eastern sky. At this time these two objects should be only about 3½ degrees apart.

AUGUST 10: New Moon today. The sun and the moon are now on the same side of the Earth and the moon cannot be seen.

AUGUST 11-12: The night of the 11th and the morning of the 12th is the peak of the annual Perseid Meteor Shower. The Perseids are the best shower of the year since more than 60 meteors may be seen per hour. The Perseids are favorable this year since they occur just after new moon and it's light will not interfere. To see the Perseids look towards the east just after dark. As the night progresses the radiant of the shower (the constellation of Perseus) will move higher into the sky and more meteors may be seen. Perseus will be almost straight up just before sunrise. More on this shower and how to photograph the meteors next week.

AUGUST 18: First Quarter Moon. Tonight the moon is half full and is visible in the evening sky.

AUGUST 25-26: Tonight the moon is full and there will be a penumbral eclipse of the moon. During a penumbral lunar eclipse the moon passes through the lighter part of the cone of the Earth's shadow. This lighter part of the shadow is called the penumbra. Since the moon will pass through only the lighter part of the shadow only a slight darkening of the moon's disk will be noticed. The eclipse will begin at 9:41 p.m. on the 25th when the moon will first begin to enter the shadow. Mid-eclipse will occur at 11:30 p.m. when 73 percent of the moon will be covered by the penumbra. The eclipse will end at 1:20 a.m. on the 26th when the

moon will leave the Earth's shadow

That's it for this week, **HAPPY STARGAZING!!!!**

New Appliances Will Save Money

CHARLOTTE — Last week we discussed the new federal "Energy Guides" labeling program for major appliances, as well as ways to save when choosing and using these large appliances. With additional energy-saving standards to be developed this year, new home appliances will soon cost less to operate.

The standards, proposed by the U. S. Department of Energy will apply to several major types of home appliances. These include refrigerators and refrigerator-freezers, freezers, clothes dryers, water heaters, room air conditioners, home heating equipment (not including furnaces), kitchen ranges and ovens, central air conditioners (cooling only) and furnaces.

The standards will save consumers money on utility bills by requiring the production of more efficient appliances. While saving money we will also be saving energy.

It is true that appliances built to the standards may cost a little more but the increase will be offset by lower operating costs. When purchasing major appliances it is important to consider the life cycle cost of the appliance or in other words, the cost of purchasing the appliance plus the cost of operating the appliance for its lifetime.

The standards will raise the efficiency and lower the total life cycle cost of the appliance. For example, the extra expense of choosing a more efficient refrigerator-freezer over a less expensive and less efficient model, can be recovered in a matter of only a few months.

Thomas Stelson, assistant secretary of the department of energy, said that a family of four would save "in the range of a couple of hundred dollars a year" after it has replaced existing appliances with models made under the standards.

The standards will set minimum energy efficient levels for each of the products mentioned. One way appliances can be made more efficient is through the addition or improvement of insulation in refrigera-

tors, freezers and ovens.

The product categories covered by the standards account for 75 percent of energy used in homes today.

DOE reports that the standards could result in energy savings to the nation of up to the equivalent of 4.28 billion barrels of oil and savings to consumers in reduced utility bills up to \$29.4 billion by the year 2005.

The standards are being formulated under congressional mandate and are expected to be finalized in December of this year. Appliances built under them will be on the market in about a year.

20 Years Ago

Miss Lula Burrell, secretary of Tryon School System is in Durham, New Hampshire, attending the national convention of the Educational Secretaries Association. Miss Burrell is secretary of the National Assn. and is a former state president.... Forest City edged Polk County 9 to 8 in the area Little League playoffs at Harmon Field. Forest City scored 8 runs in the 1st inning and then the locals came back to knot the score at 8-all. The Forest City left fielder made 2 sensational catches to rob Polk batters of extra base hits. On one of the catches he doubled a runner off second base.... Patricia Carson, daughter of the Rev. and Mrs. Charles Carson of Tryon captured a role in "The Male Animal" in the Charlotte Summer Theatre. Miss Carson is employed as a teacher in the Charlotte School System.... Mr. and Mrs. Joseph F. Bridgeman of Columbus are parents of a son born July 25th at St. Luke's Hospital.... The Tryon Little Theatre will present two plays Aug. 2 and 3 at the Lake Lanier Tea House. "Here We Are" will star Ronald Mosseller and Sally Esdale. The second "The Lighthouse Keeper's Daughter" played by Susie Gilliam; Donald Bridge is the Lighthouse Keeper; Jack Stephenson, the doctor; and Ace Rickenbacker the villian.... Philip Wilson of Polk County was second in the Dairy Judging contest at the annual State 4-H Club Week program in Raleigh. He is the son of Mr. and Mrs. Grant Wilson.

Mrs. Willard C. Thayer of Tryon has as a guest, her sister-in-law, Miss Marian Thayer of Wilmette, Ill.

Organizational Meeting



The Great Books Discussion Groups will hold an organizational meeting on Thursday, July 31 at 10:00 a.m. in Lanier Library. All those interested in participating are asked to attend.

This program is sponsored by Lanier Library for its members. New members are welcomed by Lanier Library, the only subscription Library in North Carolina.

Bulletin Readers

Out of town subscriptions have been entered for the following: Mrs. George Heckler, 84 N. Main St., Essex, Conn.; Mrs. Gilbert Pollitt, Rt. 3, Clarksville, Ga.; Rev. W. C. Pate, Star Route, Box 126-B, Black Mountain; MSC Robert K. Rhodes, C.P.O. Sellers DDG-11, c-p FPO, Miami, Fla. 34093; Isothermal Community College, P. O. Box 804, Attn: President's Office, Spindale; Phillip Hamrick, 14116 Springwater Dr., Matthews; Mrs. Robert Hofland, Rt. 1, Tryon; Mrs. Eleanor Searles, Ivan J. Kuster, Shank Hipp, O. B. Thompson, all Rt. 2, Tryon; Mrs. Pauline Tucker, Thermal Belt News Journal, Columbus; Hugh Finch, Mrs. Robert Jolley, Rt. 1, Columbus; Barbara H. Ravan, Rt. 2, Columbus; G. L. Metcalf, Bear Creek, Myra G. Rhodes, Rt. 1, Saluda; Dr. Byron Richardson, Rev. O. F. Wiesmann, Glenna Carruth, B. B. Dempsey, Landrum, S. C. Oren Brady, Jr., Rt. 1, Landrum; Mrs. Jerry Ayers, Mrs. Frank Miller, Austin Carswell, W. E. Branyon, Rt. 3, Landrum.

Changes of address have been made the following: Mrs. Clyde Wait from Tryon to Park Sumter Terrace Apt. 2, Shelby; Henry McClintock from Cazenovia, N. Y. to Tryon; Mrs. Robert A. Brooks, Jr. from Pensacola, Fla. to Rt. 3, Landrum.

Rick Pratt, who had a heart attack recently, is in the Rutherford Hospital. He is making a full recovery and according to reports will be home soon.