skies: 2 eclipses, 1 we can see

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MODERN & EUROPEAN STYLES

THE LAST HALF of August features two cellpses — the one last night is the the only one which is visible to us.

Full moon was at 11:07 p.m. on Aug. 16. The moon was opposite the sun, as seen from the earth, and was fully lighted. In fact, the moon was catchly opposite the two, and it was totally ecilpsed as it passed through the earth's shadow. This is a lunar cellpse, an cellpse (covering) of the moon.

éclipse, an eclipse (covering) of the monon.

The earth always casts a shadow. It always points away from the zun and out into space. When the moon is opposite the zun, as the moon is during its full phase, it usually passes above or below our shadow and remains lighted. But should things line up precisely, the moon will pass through the shadow, and the light of

County offers handicap discounts

Persons with permanent disabili-ties in Oakland County can enjoy the put of doors with a Handicap Dis-count Card offered by the Oakland County Parks and Recreation Com-

count Card offered by the Oakland County Parks and Recreation Comhission.

"The program is a cooperative eftyrt between the Oakland County Parks and Recreation.

"The handled per pass will permit free entry on weekdays for the cardhigher and vehicle passengers to Adtigon Oaks County Park near Oxfreit, Groveland Oaks near Holly and
Independence Oaks near Clarkston.

"In addition, there is a 50 percent
received to the cardhigher than the county Park near Oxhalf price Sunday House the
higher of the Cardhigher of the Cardhi

she must be a participant in that activity.)

"The discount card will provide handleappers, many of whom are on fixed incomes, an opportunity to maintain a quality lifestyle and better utilize the parks and facilities that we operate," said Jackie McParlane, therapeutic recreation supervisor for Oaktand County Parks and Recreation.

In addition to park discounts, a number of private businesses in the community will honor the card.

TO BE ELIGIBLE for the card, applicants must be at least 18 years of age and permanently disabled (mentally or physically). They must bis receive some type of disability compensation from a recognized agency and have a signed physician's statement certifying their disability.

The cost for the lifetime, photo I.D. pass is \$10 to cover processing and mailing.
Individuals can apply at Easter-Seals Society of Oakland County, 1105 N. Telegraph, Pontiac, or call \$38-9626 or \$38-3030 (TDD).



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the sun, streaming past the earth is blocked.

Many cellpses are partial; the alignment is close but not exact. The moon will pass through a part of the shadow and only a portion of the moon will durken. This month, however, the alignment happens to be quite precise. This produced a total cellpse; the moon was totally covered and should have darkened considerably. The last total eclipse visible from our area was in 1982.

An eclipse of the moon is totally safe to observe. Best views of the eclipse are through binoculars or with a telescope at low power, although there was plenty to enjoy through the naked eye.

ONE WEEK after the total eclipse of the full moon, the moon is at Last Quarter phase (officially at 2:40 p.m. on Aug. 23). Look high in the south-cast, about 45 minutes before survise on the 23rd, and locate the moon in Taurus. Below and to the left of the moon is the beautiful Pielades (PLEE a dees) star cluster. This is the "shoulder" of Taurus. The buill's "eye." the orange-red star Aldebaran (al DEB a ran, ils located below the Pleiades. On the morning of

object that is more than 3 billion

miles away.

Launched in 1977, two Voyager Laurence in 1977, two voyager spacecraft were sent on a mission to examine the planets Jupiter and Saturn. After these encounters the spacecraft would both cruise the empty blackness of space for all eternity. A meeting with Pluto is not possible.

LOOK FOR the moon, high in the cast before sunrise, on Aug. 26. The bright star to the right of the moon is Jupiter.

The moon is near the "heads" of the Gernial twins on the 27th. The star to the left of the moon is Foliux and above Pollux is Castor. On the 28th ther moon is located below Castor and Pollux.

Mercury is at maximum elongation (greatest apparent distance)

SOLID WOODS

from the sun on Aug. 20. It will be 27 degrees east (left) of the sun in the evenling sky, but it is clocke to the house of the sun in the evenling sky, but it is clocke to the house of the sun in the sun is not in the sun in the sun is not in the sun is on in the sun is not in the sun is on in the sun is not in the sun is on in the sun in the sun is on in the sun in the sun is on in the sun is on the sun in the sun is not in the sun is not in the sun is not in the sun is not in the sun in the sun

an Ocean.

An excellent aid for learning constellations and keeping up to date with the sky is the monthly "Sky Calendar," a one year subscription is \$6. It is available from Abrams Planetarium, Michigan State University, East Lansing, 48824.

Raymond E. Bullock was the former coordinator of the plantetarium and observatory at the Cranbrook institute of Science. He now works for a company specializing in laser displays and effects.

After Inventory

Greenstone's invites you to its annual year-end clearance event, offering 20% to 50% savings on selected fine jewelry, estate items and nationally-advertised warches. Included is a special selection of Concord 14kt. gold men's and ladies' watches at 25% to 50% below factory list prices.

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