

Here's how to define when summer arrives

Summer officially arrives Friday, June 21, at 6:19 p.m. Eastern Daylight Time. On this day the sun will be rising at its farthest point north of arc, have its highest altitude in the sky, and set at its farthest point north of west for the entire year.

The sun appears in different parts of the sky at different times of the year. Remember where the sun was rising back in December? It was rising far south of east and setting south of west. The days were short and cold and we had winter. The difference in the sun's position is not due to any movement on the part of the sun. Instead it's due to the tilt of Earth's axis of rotation.

We orbit around the sun, but our axis is tilted 23.5 degrees. It just happens to be pointing toward a star named Polaris, the North Star. In summer, when the North Pole of the earth is pointed toward Polaris, it is tilted 23.5 degrees toward the sun as well. Six months later the earth is on the opposite side of the sun. The North Pole is still aimed toward Polaris, but now it tilts 23.5 degrees away from the sun. Therefore the sun appears in a different part of the sky.

The moment when the earth reaches the point in its orbit, where the North Pole is at the greatest tilt toward the sun, is the exact moment of summer. At least it is for the Northern Hemisphere. When the North Pole is tilted toward the sun, the South Pole is tilted away from it. We may be enjoying the start of summer, but for people south of the equator the days are short and cold and it's the start of winter.

If it were not for the tilt of Earth there would be no change of seasons. If the earth's axis was straight up



skywatch
Raymond E. Bullock

and down, everyone would have March-type weather year-round. That may not be bad if you live in the tropics, but it's not so great in Michigan.

MARS IS only 1 1/4 of a degree from Venus on the evening of the 22nd. Mars could be lost in the glare of brilliant Venus.

The two objects are at their closest, 0.2 degree apart, on the following evening. Jupiter is four degrees to the lower right of Mars and Venus.

The bright star to the right of the moon, on the evening of the 23rd, is Antares (an "AR" see). Antares is the "heart" of Scorpius the scorpion.

Full Moon occurs at 10:58 p.m. on June 26. The moon is opposite the sun, as seen from the earth, and is fully lit. In fact, the moon is almost exactly opposite the sun and it will pass through the penumbra (get UM try), the faint outer shadow, of the earth. A penumbral eclipse will occur, but it will be nearly undetectable; the darkening of the moon will be negligible.

Look for the moon, in the east southeast, two hours after sunset on the 28th. The star five degrees below and to the left of the moon is Saturn.

On the morning of the 29th, Saturn is four degrees to the upper left of the moon in the south-south-west.

Face west on June 30 and have a look at the alignment of the three planets. It is quite a bit different from what it was on June 1. Venus still dominates the sky, but now it is to the left of red Mars. Jupiter, the second brightest object, is below and to the right of Mars.

Draw a line from Jupiter past Venus. It will bring you to the star Regulus (REG u lus), the "heart" of Leo the lion, located nearly due west. Turn the line around and go from Venus, past Jupiter and extend it (along the same angle) to the horizon.

You will be looking right at Mercury but, at only one degree above the west northwest horizon, you won't see it.

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 and is available from Abrams Planetarium, Michigan State University, East Lansing, 48824.

OCC screens would-be chefs Saturday

Saturday, June 22 is the date scheduled for screening applicants who wish to enroll this fall in the special chef apprenticeship program at Oakland Community College's Orchard Ridge Campus. The screening will start at 8 a.m. in Room J 305, Tirrell Hall.

Applicants must bring a certified check for \$80 made out to the Michigan Chefs de Cuisine Association, a handwritten essay of 150 words on "Why I Desire a Career in Culinary Arts," a high school diploma, a resume, a record of documented work experience and references; and, if applicable, post-high school transcripts.

Successful applicants must also

complete the college's ASSET testing procedure before being accepted into the program. The \$80 fee is fully refundable if the applicant is not accepted.

"Oakland Community College is accredited by the American Culinary Federation — the only school with this status in the Detroit Metropolitan area," says Kevin Enright, chef apprentice coordinator.

IN ADDITION TO 6,000 hours of on-the-job training, says Enright, students enroll in OCC courses that lead to an associate degree in applied science. Completion also leads to recommendation for a certificate

of apprenticeship as a journey man chef.

Jointly sponsored by the U.S. Department of Labor, the American Culinary Federation and the Michigan Chefs de Cuisine Association, the OCC program was awarded the 1990 Kraft Foodservice Award of Excellence, Central Region, by the ACF Educational Institute National Apprenticeship Training Program.

To obtain further information about the OCC chef apprentice program and screening, call Enright at 471-7785.


The Orchard Ridge Campus is located at 27055 Orchard Lake Road, south of I-696 in Farmington Hills.

Area families sought to host students

Oakland County families are urgently needed to host high school students from Germany, France, Spain and Brazil for the school year beginning in September.

The English-speaking students, ages 15-18, will arrive in Michigan in late August and return home in late June of 1992. They are participants in an exchange visitor program of the American Institute for Foreign Study, Scholarship Foundation (AIFS).

Additional information can be obtained from Lynne Levenbach of Plymouth at 313-453-8562.




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Tim, Rose, Gert, Anthony, Yvonne, and Ramon.

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The Case of The Tucson Tip-off. In a particular neighborhood in Tucson, Arizona, folks were having a real problem with burglaries and break-ins. They started talking to each other about what they could do. They got fed up. About 400 people went to the police for advice. They learned about surveillance. They got to know their beat officers. Citizens and police became partners in crime prevention. In just three weeks, 17 arrests were made and burglaries went down 30%. And Tucson is only one case where people successfully worked to beat crime. To find out more, write: **The McGruff Files, 1 Prevention Way, Washington, D.C. 20639-0001.** You can make a difference. You can help...

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A public service message of this publication and Selective Service System.



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