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## **AROUND TOWN**

## College to Shed New Light on Old Stars

Suffolk County Community College in Selden is home to a powerful telescope at new observatory.

by Dre w Biondo

he stars are shining a bit brighter on the Suffolk County Community College Ammerman Campus in Selden with the opening of the college's new stateof-the-art observatory, where stargazers can peer into the sky and look more than a billion years back in time. Suffolk County Community College now has one of only four observatories in Suffolk county — Stony Brook University, Custer Institute in Southold and Montauk have the other three - and Suffolk Community's is among the

In astronomy, first light is the first use of a telescope (or, in general, a new instrument) to take an astronomical image after it has been constructed. This is often not the first viewing using the telescope; optical tests have been performed to adjust the components. Despite this, a first light is always a moment of tremendous excitement, both for those who design and build

the telescope and for the astronomical community at large. "This is a fantastic new addition to our college," said Suffolk County Community College President Dr. Shaun McKay. "It will provide research opportunities for faculty and as-



Stargazers have another opportunity to

tronomy majors, as well as enhance our college's reputation in the scientific community while educating the public about

astronomy through public outreach."
The observatory's 10-inch Meade
RCX400 Ritchey-Chretien telescope has a resolving power of 0.45 arc seconds, which is equivalent to being able to see a dime a little more than five miles away, and is housed under a 20 1/2-foot rotating dome atop the Smithtown Sciences Building and equipped with networked computer controls allowing partial operation from remote locations. Full networking and remote operation are planned in the near future.

The instrument can also be operated via electronic hand controls and is equipped with software that accesses a catalog of coordinates for 145,000 celestial objects that make viewing and moving from one object to another easier. The telescope's primary mirror also has ultra-high transmission coatings to help increase light transmission by 20 percent, making objects

Suffolk County Community College's Ammerman Campus is located at 533 College Road in Selden. For more infortion, call 631-451-4110 or visit sunysuffolk.edu.

## **IN BRIEF**

### **A Community Friendly Global Resource**

Global Resource
Astronomers using the new telescope can also record what they are seeing through the college's CCD Camera equipped with filters that meet astronomical research standards. The telescope will soon be available to use by the general public.

"The college's new observatory offers our students and faculty the opportunity to conduct research and share information with other students and scientists throughout the world," said Suffolk County Community College Board of Trustees Chairwoman Daffy Irizzary, I't will also serve as one more college resource available to the community at large."

—Drew Biondo

