## Entertainment

## Light and bright:

'Ornaments' laser show is more colorful this year

AST YEAR, the Cranbrook Insti-tute of Science offered the laser-light show "Orna-ments" for the holiday sea-

ments" for the holiday season.

"It became an instant tradition," said Laser Coordinator Mel Drumm, who also put together this year's even more spectacular "Ornaments" show. What makes a difference is the new system that has been installed in the museum's Planetarium. "I spent 300 hours programming the show for the old system." Drumm said. "This time I spent probably another 100 hours to convert and perfect it." Crahbrook's state-of-the-art equipment has the power of an outdoor laser projector. For the indoor shows, images are projected onto the planetarium's 310-foot dome.

Describing the system, Drumm said, "The even one is bigger than anything you'll find in large planetarium. It can fill the entire dome with images."

images."

IHE EXPLAINED, "We don't have the clearance and equipment to do all that," so at present, only the top of the ceiling is being used. During a performance, geometric and representational designs dance overhead, accompanied by recorded music. In contrast to the old system, which could only ofter images in red, blue, green and yellow, the laser light shows now are visible in "new colora-

tion and intensity." Every color is available, including aquas, pinks, violets and shades of yellow and

voluties and shades of yellow and orange.

Also, new optional systems manipulate the beam. Yet sail digitally controlled, he said.

Another plus is better animation. Frosty the Snowman, for example. This year his hands and arms move. Drumm said.

In the planetarium a few days before the "Ornamenta" show opened, Drumm and Raymond Bullock, coordinator of astronomy, presented a minjurview of what would be in the holiday presentation.

Coloriul ornaments are among the geometric or kaledioscopic images viewers see, and there are also representational figures, such as a horse or a boy.

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DRUMM WANTS to give credit to artist Doug Goodle, who did the representational graphics for "Ornematics" and for "Lasers: Rocking in Space," Cranbrook's first laser light show using the new equipment, which ran during November.

He said the entire laser light show program is operated with just two staff members and two volunteers who act as technicians. He sligied out technical na Pitkos for prosise.

who act as technicians. He singled out technician Dan Pinkos for praise. Watching "Ornaments" should put anyone in a festive mood. Said Drumm, "It's real pretty, happy, upbeat. It has music. You can sing slong with it. It's real colorful." Songs that share laser light designs

include a medley with "Twelve Days of Christmas," "Frosty the Snowman" and "White Carlstmas." For "Ornaments," children as young as 3 years of age will be admit-ted to the planetarium. Showings are at 3:45 pm. Saturdays and Sundays through December, as well as at 2:15 pm. Thursdays-Fridays, Dec. 26-27 and 30-31.

ADMISSION TO the family show is

ADMISSION TO the family show is \$1.25 in addition to regular museum admission of \$3 for adults, \$2 for students and senior citizens, More information is available by calling the Cranbrook Institute of Science in Bloomfield Hills at 645-3230.

The museum, which has been presenting laser shows since July 1922, began having problems with the old system this spring. The laser we'd been using was discontinued and parts weren't available, Drumm said. The second week in July it failed completely.

A proposal for new equipment at \$82,000 — about the cost of the original investment — was taken by the director to the board of governors.

In the meantime, with laser show the memorarity discontinued, \$2 for the original constitution of \$2 for the original constitution of \$2 for the original constitution and \$3 for the original constitutions, Drumm explained that the light show pulls in the crowds, but that visitors are also encouraged to visit the rest of the museum. They have to stay here and look around. Continued on Noxt Page



coordinator Mei Drumm looks ceilingward as he projects images on the dome of the Cran-brook Planetarium for the laser-light show "Or-naments." The holiday family show continues

through December at the institute of science in Bloomfield Hills. Cranbrook's new laser system is said to have the most powerful indeer projec-tor in the country.

## You can see, hear, feel the spell of Christmas

Performances of "A it seems Nolte polishes Christmas Carol" by the magic a little more Charles Dickens concluded in the magic allittle more Charles Dickens concluded in the Christmas Present give proceedings of the Christmas Present give proceedings of the Christmas Present give compuse in Rochester months of forgetting how and to hear the Christmas Present give compuse in Rochester months of forgetting how and to hear the Christmas Present give proceedings of the Christmas Present give

office at 377-3300. pulled out.

The cantankerous old tighwad Ebenezer delight the senses. The Scrooge is up the sense of the sense of

un np-mucaung many in praise of food.

This year Nolle seems to have perfected sounds to enrich the production. As in previous years, carolters in 1830s dress greet theatergoers in the lobby. The collection of volces seems better matched than ever before. More volces, these whispered annonymously over the sound system, picely underscore the doom-to-be when the product of the control of the total of the sound system, picely underscore the doom-to-be when Ebenezer looks into the tuture at his own funeral. 



tious as someone with a case of non-stop giggles who makes everyone around break out with at least a smile, if not a bel-

Theatrical razz-ma-

THIRTY PEOPLE Dickens' ghosts meltargue process and plant to relate the production.

THIRTY PEOPLE Dickens' ghosts meltargue process who'd cursed as any Globetroiter, a trap door beleching forth a ghost amid sulfurous crange smoke, and a fireworks biast to rival Haydra's Surprise. The set by Barry Griffith is a marvel of fluid locomotion — both charming and unctional, and lighting by Reid Johnson is another carefully perfected detail of the production.

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