Whole world in his lens
Astronaut takes more photos of Earth than anyone else

At 7 p.m. today and 7:30 p.m. Monday and Wednesday will be Megan Harwell, Anna Athline, Bob Loom, Robert MacNeil, Karyl Marten, Lesley Allier, Pauline Nelson, Margie Orland, Jan K. Bashin and Yolanda Waring.

Tickets are $20 general admission and $15 for students and military. For more information, call 962-0430.

— Marilyn McMahon

On Stage
Youth Symphony to play today
The Santa Barbara Youth Symphony will perform its free Winter Concert at 4 p.m. today at the Lobero Theatre, 315 E. Canon Perdido St. The concert begins at 3 p.m. The concert consists of 80 to 90 musicians, ages 12 to 18, from Santa Barbara and Ventura counties. The symphony is overseen by the Santa Barbara Youth Symphony Music Education Center. The youth symphony's music director is Sandy Geschke, the Santa Barbara Symphony's principal bassoonist. For more information, call the Lobero box office at 805-597-3366 or go to www.theysymphony.org/
education/youth/symphony.

— Dave Mason

SUNDAY, FEBRUARY 25, 2018
He set his eyes on the sky and beyond

Heat cut into Calif.’s wine grape crush; some varieties flourished

At left, Col. Terry Virts prepares to take a photo from Cupola, the seven-window observatory module at the International Space Station. At right, this is the eastern U.S., as photographed by Col. Virts.

SPACE

Col. Virts spent 296 days from November 2014 to June 2016 on the International Space Station. During part of that time, he was the expedition commander. He took photos from the Cupola, the observatory module with seven windows, providing a stunning view of Earth and the beverage also on display.

The number of stars out there is just staggering,” Col. Virts said. “I had a sense that I was seeing a slice of the universe that humans aren’t used to seeing.”

He shared several frames a second on a Canon EOS-D3 camera for the 2015 IMAX movie “A Beautiful Planet,” as well as his own pictures on his Nikon D4.

Films usually are shot at 24 frames a second. Col. Virts said IMAX used special software to make his photography, which normally would appear like fast time-lapse pictures, is presented at the pace of a normal movie.

Before the mission, Col. Virts received training from IMAX director of photography John Nielson and NASA instructors. Col. Virts said space photography involves extremes.

“When the sun’s out, it’s the brightest light that exists. On the dark side of the Earth when it’s nightfall, it’s the darkest dark you’ve ever seen. The exposures are very extreme,” he said.

In addition to shooting from inside the Cupola module, Col. Virts took some pictures during his space walk outside the station.

“I paused once and gazed at the horizon and rotated my body 360 degrees to look out into space,” he said. “It was like a spiritual experience being outside in the vacuum of space, really capturing that feeling of an amazing moment.”

After the spacewalk and the other shuttle were retired. Endeavour went on permanent display at the California Science Center in Los Angeles. To reach the station in 2014, Col. Virts endured 227 days in space. During his 227-day stay, Col. Virts learned a lot about Earth, including the fact that most of its mountains looked similar.


“The Zagros Mountains in Iran actually did not look like those anywhere else on Earth. Col. Virts said. “They were said to be an upside down wedding cake.”

Col. Virts said that what might have been either pollution or humidity on Earth and a smog as well.

Col. Virts said that people can work and live in a weightless environment in space because of the time and return to Earth is good.

“I was actually happy,” Col. Virts said. “I knew I would come back to Earth and would have the rest of my life on Earth. I enjoyed space while I could.”

Col. Virts said he believes humans can return to Mars in the 2030s, as NASA hopes. To be a physicist, political science, and nuclear science.

Col. Virts said that it was money and stability. Every time a new president comes in, he can undo what the last president did. We have to figure how to be free of a program that can be perceived over the long term.

Col. Virts said that international cooperation would make a mission even more efficient and cost-effective. “More important than that, it’s harder to pull out of an international program than a domestic program.”

“Whatever we do in the future, I will plan to stick to it and compete in it. It is an international program.”

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A Red for Women supporters are all heart

The ladies were going “in to ferry” to Barcas to lunch for a women’s conference. Go Red For Women event to educate about heart disease and how they can self-screen. One in three women will die of heart disease.

Co-chaired by Jeanne Froelich and Janet Garbino, the luncheon was organized by the American Heart Association to educate women about the importance of keeping the heart healthy.

To learn more about the Go Red for Women campaign and how you can get involved, visit Americanheart.org or call 1-800-AHA-USA 1.

On the ground

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The Red Tie Society is a group of men dedicated to ending heart disease and stroke. Members include films, books, and other media. The group is partnered with the American Heart Association. The members include films, books, and other media.

The Red Tie Society also has a group of men dedicated to ending heart disease and stroke. Members include films, books, and other media. The group is partnered with the American Heart Association. The members include films, books, and other media.

A Red for Women supporters are all heart

At left, co-chairs Janet Garbino, left, and Jeanne Froelich, right, provided an informative and well-run program at the American Heart Association’s Go Red for Women event held at the Downtown Club downtown. At right, the program was to help men and women who are going red for women all left in the park.

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