

Space Art

By Bob Krone and Gordon Arthur

IN MEMORIAM – MRS. JANET BURGESS

This Journal of Space Philosophy inauguration of Space Art publications is dedicated to Mrs. Janet Burgess. Janet was the sixty-year partner of Professor Lowry Burgess, one of the world's pioneers and scholars of Space Art. Janet died on 8 March 2014.

Philosophy and Art have been forever related. With this issue, the *Journal of Space Philosophy* initiates a permanent Space Art component. The few images in this issue are simply representative. One artist has a long professional Space Art career. Another is an amateur who has just created his first Space painting. Others are from the European Space Agency and NASA. Future Journal issues will publish from any source.

Don Davis



Double Sun Light

An Earth-like planet near a double star system, whose different colors create double shadows and reflections.



Center Vista

An overview of the Milky Way galaxy as it could appear from a vantage point well apart from the thin plane occupied by the spiral arms, looking toward the densely packed nucleus region.



Stanford Torus

Don Davis's interior concept for a 1.8 km wide wheel-shaped space colony that emerged from the NASA Ames 1975 Summer Study on space habitat design.

About Don Davis: Don Davis is a space artist and animator, as well as a photographer and writer. He has painted works for NASA, illustrating planetary exploration and visualizations of space colonies. He was on the team of artists for Carl Sagan's original *Cosmos* show, which was awarded Emmys by the Television Academy of Arts and Sciences. He created animations for the PBS shows *Planet Earth*, *Infinite Voyage*, *Space Age*, and two shows by Timothy Ferris, *Life Beyond Earth* and *Seeing In The*

Dark. Currently he produces animations of space subjects for modern planetariums that project high-resolution video. Don Davis is a member and fellow of the International Association of Astronomical Artists (IAAA) and has the rare privilege of having an asteroid bear his name – the [13330dondavis Asteroid](#).



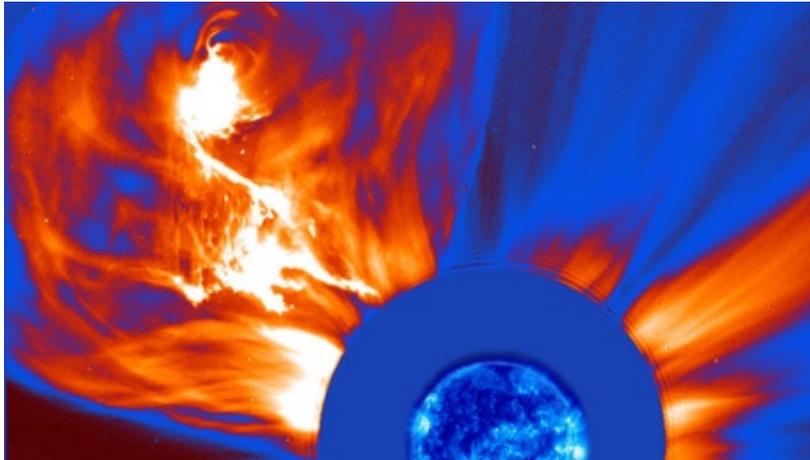
Henry Montanez, II



Deep Space

About Henry Montanez, II: Henry Montanez, of Beaumont, California, paints for fun and relaxation. His art signature is HMII. This is his first Space painting.

European Space Agency (ESA)



A fiery solar explosion: ESA Gallery

About the ESA: The ESA has created a world-class Space Art Gallery – real Space imagery equaling any artist's rendition.

Lunar Orbiter Image Recovery Project

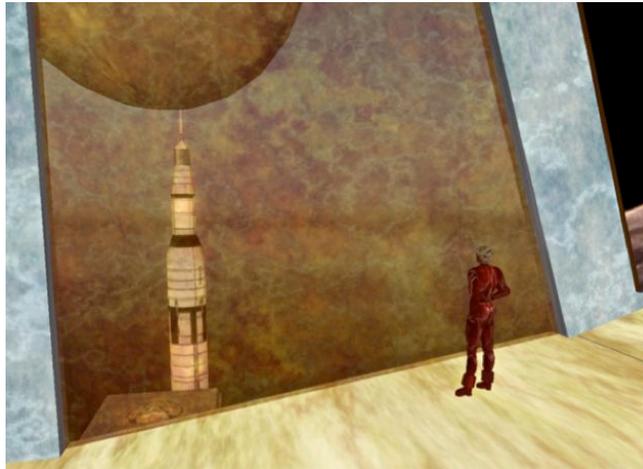


Earth Rising

This Earth rising image is the most reproduced NASA picture. The technology to capture it and its visual impact on all Earth's humanity were unprecedented. It is Space Art that everyone appreciates.

About the Source: The **Lunar Orbiter Image Recovery Project** (LOIRP), funded by NASA, SkyCorp Inc., SpaceRef Interactive, Inc., and private individuals, is digitizing the original analog data tapes from the five Lunar Orbiter spacecraft that were sent to the Moon in 1966 and 1967. This image comes from the NASA image gallery. For more details, see http://www.ask.com/wiki/Lunar_Orbiter_Image_Recovery_Project.

Kim Peart



Alone



Dreaming

About the Artist: Born in 1952, Kim Peart was raised in the Australian island state of Tasmania, where he trained as a visual artist, launched a Viking Society in 1975, and became a life-long space advocate in 1976 when joining the L5 Society. He founded the Southern Cross L5 Society in 1981, now the National Space Society of Australia, which was given its national launch in the Observatory at The Rocks in Sydney in early 1982.

After a journey to India in 1986, he became a human rights defender and urban environmentalist, gaining an entry among Tasmania's top 200 movers and shakers in 2007 at number 123. In 2006, he wrote the document "Creating a Solar Civilization," moved north to Queensland in 2007, and is currently director of Space Pioneers.

In March 2012, he worked with research scientist Dr. Jennifer Bolton, to identify a way to build a working model of an orbital space settlement in the virtual world, the virtual orbital space settlement (VOSS), which allows any number of people to be involved in a space-like virtual environment, as if in space. When they discovered that Second Life had activated the RayCasting function, it became possible for an avatar to walk around the inside of a torus space station, as if in space. Responding to this new potential, they built a torus space station above Nautilus in Second Life to develop their virtual space program further. They now look toward the potential of the Oculus Rift and the Omni to provide a more realistic virtual experience of space, as well as the development of a more advanced form of the virtual world by High Fidelity, where astronauts may train in a realistic virtual space environment and people can prepare for space tourism.

Over the past couple of years they have been working with members of the Overview Institute, seeking to develop a virtual experience of the Earth from space. They are also pleased to develop their relationship with the Kepler Space Institute, seeking ways to develop space studies in a global context in the virtual world.

They see a unique opportunity with the virtual world environment for people to meet globally and plan locally, toward building celestial futures. Kim Peart now lives in Mountain Creek on Queensland's Sunshine Coast with his wife and partner in space and virtual world development, Jennifer.



Starfates in Second Life Kim Peart in real life

Editors' Notes: Two unique human characteristics are the abilities to communicate through language, with the written word, and through the brain's creative cognition of images. Philosophy continues to do the former. Science is still penetrating the complexities of the latter. See the discoveries of Dr. Joel Isaacson in this, and previous, *Journal of Space Philosophy* issues – particularly his “*Nature's Cosmic Intelligence*” article in the Fall 2012 issue (accessed via www.bobkrone.com/node/120). Dr. Isaacson's identification of Recursive Distinctioning of Nature's Cosmic Intelligence being “*fundamental to all perception, and, by extension, to cognition and intelligence*” is a finding leading to the hypothesis that what happens in human brains with images is an application of Nature's Cosmic Intelligence. ***Bob Krone and Gordon Arthur.***