

EPISODE GUIDE AND DATES

Nov 9:	Travelers' Tales
Dec 14:	The Backbone of Night
Jan 11:	Travels in Space and Time
Feb 8:	The Lives of the Stars
Mar 14:	The Edge of Forever
April 11:	The Persistence of Memory
May 9:	Encyclopedia Galactica
June 13:	Who Speaks for the Earth?
July 11:	"CONTACT: the Movie"



Dr. David Stevenson is the George van Osdol Professor of Planetary Science at the California Institute of Technology and an expert on the origin, evolution, and structure of planets.

He became friends with Dr. Sagan while earning his Ph.D. in theoretical physics at Cornell in 1976. He joined the faculty of Caltech in 1980, serving as a Division Chair and Chair of the Faculty along the way. His research highlights include the structure and evolution of both major and terrestrial planet, and magnetohydrodynamics. His awards include Goldberger Professor 2011, Fellow of the Royal Society, a member of the National Academy of Sciences. On occasion, he has participated in advising movie and TV directors on the science in their productions.

~ ~ ~ FUTURE PRESENTERS ~ ~ ~

Virginia Trimble, Prof. of Physics and Astronomy at UCI. Advisory staff member of Las Cumbres Observatory Global Telescope Network. Officer of the Int'l Astronomical Union, the Int'l Union of Pure and Applied Physics, and a number of other scientific organizations.

James Bullock: Prof. of Physics and a theoretical cosmologist at the UCI and a Hubble Fellow. Director of the Center for Cosmology. Director of the Center for Galaxy Evolution. Seen on NatGeo's *Inside the Milky Way*.

Michael Dennin: Prof. of Physics and Astronomy at UCI where he researches systems that are driven out of equilibrium. His projects include biological physics regarding interaction between proteins and monolayers. On History Channel's *Ancient Aliens*.

Garrett Lisi: Works as an independent researcher in theoretical physics. Lisi wrote "An Exceptionally Simple Theory of Everything," a paper proposing a unified field theory based on the E8 Lie group, combining particle physics with Einstein's theory of gravitation. www.garrettlisi.com

Tyler Nordgren, Prof. of Physics and Astronomy at Univ. of Redlands. Author of 'Stars Above, Earth Below: A Guide to Astronomy in the National Parks'.



The most widely viewed PBS TV series in the world comes to the Big Screen.

"Cosmos: A Personal Voyage", the 1980's breakthrough Emmy and Peabody award-winning series is being shown at the Regency Theater. Narrated by the great science popularizer and humanist, Dr. Carl Sagan, each episode concludes with live commentaries presented by top experts in the fields of astronomy and cosmology. You are not only watching 'Cosmos' but also being in the moment, being in the spirit, being embraced by the wonderment of nature both on and above our Planet Earth.

Episode 6: Travelers' Tales

In Traveler's Tales, Dr. Sagan draws parallels between our modern space exploration and the Dutch Republic. The enterprising and fearless Dutch travelers of the 17th century discovered previously unheard of wonders and vast riches in their journeys around the globe. Their achievements are not unlike the discoveries made in today's Golden Age of Exploration, as in during the Voyager missions to Jupiter and Saturn.

As Dr. Sagan points out, we gain new knowledge of our Solar System. We get our first glimpses of Europa and Io. We board the Spaceship of the Imagination to visit Saturn, which was visited by Voyager 2, and view the imaginary landing on Titan. The actual landing was accomplished in 2005 by the Titan probe, Huygens. The current end of the Cassini-Huygens mission plan is projected to be a Saturn impact in 2017. Prof. David Stevenson will introduce a captivating 21st century view of our Solar System.

◆◆◆ CARL SAGAN BIRTHDAY CELEBRATION ◆◆◆

BONUS! In honor of Dr. Sagan's birthday on November 9th, there will be special foods, exhibits and a variety of glimpses into the personal life of the renown and legendary life of Carl Sagan. **DON'T MISS IT!**



Wednesday – Nov. 9th

26762 Verdugo Street
San Juan Capistrano, CA
92675

Mixer at Rick's Café: 6:15-7:00

Episode: 7:00-8:45

Q&A: 8:45 – 9:00

949-661-3435
<http://www.regencymovies.com/>

Tickets: \$10.00