

# Journey Through the Universe 2006

January 20 - 27, 2006, Hilo, Hawaii



The second year of the Carl Sagan Center for Earth and Space Science Education sponsored Journey Through the Universe program on Hawaii Island. The program engages our community in sustained science, math and technology education in a celebration of human exploration: how we have come to know what we know about the Universe, and the joys of learning.



The master teacher training session involved 21 educators from Hilo-Laupahoehoe-Waiakea complex.



A general teacher workshop was held the following day for over one hundred educators



Family Science Night (Saturday) featured Jon Lomberg and his art before a screening of the movie "Contact".



Local scientist orientation with Keck's Greg Wirth (moon) and Cathy Ishida (Earth)

## Hawaii Island Chamber of Commerce Social - January 23



Hawaii Island Chamber of Commerce Pres Richard Nelson with Carol Van Camp



Imiloa Astronomy Center Director Peter Giles addresses the audience



Visiting Journey Scientists assemble onstage for a brief photo opportunity

The Hawaii Island Chamber of Commerce held a Business After Hours social event at the Naniloa Resort on Monday evening, with a special speech by the Director of the new Imiloa: Hawaii's Astronomy Center, followed by recognition of the visiting Journey scientists (left to right in photo on left) Tom Nolan, Jessica Robin, Tom Troland, Kevin Caruso, Harri Vanhala and Betsy Miller.

## Journey Scientists in the Classrooms - January 23-27



Tom Nolan, NASA JPL talks to students in Hilo Intermediate School about explorations



Local IfA scientist Paul Coleman and ambassador Julie Rivera from Keck



Electrical Engineer and NASA Solar System Ambassador Kevin Caruso blasting off at Waiakea High School



So you wanna be an astronaut? Student volunteer dons a mass absorption device before his low-budget spacesuit



Jessica Robin, soil scientist has some Haahoe Elementary students conduct an experiment on various soils collected from around Hilo



Koa Ell about to introduce Kevin Grazier (JPL) and Hiro Takami (Subaru Telescope) at Connections Charter School



Harri Vanhala awaits his turn, while Chris Davis (Joint Astronomy Centre) speaks at Ka'Umeke Kaeo Hawaiian Charter School



Kevin Grazier started out apprehensive about kids younger than 3rd grade, but had the kindergarteners at Kaumana El captivated

## Family Science Night at UHH Theater - January 25



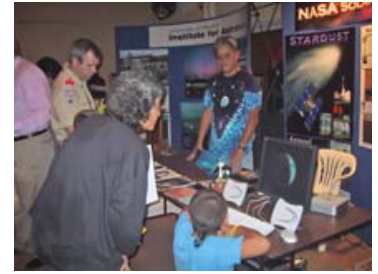
A damp (but not in spirit) Erik Rau hosts the Gemini Observatory booth



Susan AkimSeu from HELCO talks to some people about the science of alternative fuels



Gary and Koa hosted IFA and NASA Solar System Ambassador (SSA) booths



NASA SSA booth featured New Horizon and Stardust missions



Linda Tran and Anne Michels demonstrate mirror grinding to some youngsters



Sarah Blanchard, Customer Service Specialist at Imiloa: Hawaii's Astronomy Center



UH Hilo Physics and Astronomy exhibit featured an air-track demonstrating collisions



Harri Vanhala demonstrating the Earth-Moon distance scale with models on stage

## Farewell Dinner at Hilo Daijingu - January 27



Students from the Ke Ana La'ahana Public Charter School perform for the audience



More performances from the students of Ke Ana La'ahana Public Charter School



Kevin Caruso, Tom Troland, Tom Nolan, Kevin Grazier and Harri Vanhala



Irene Nagao presenting gifts from the Japanese Chamber of Commerce