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## **Sally K. Ride Papers - KidSat Publicity Articles**

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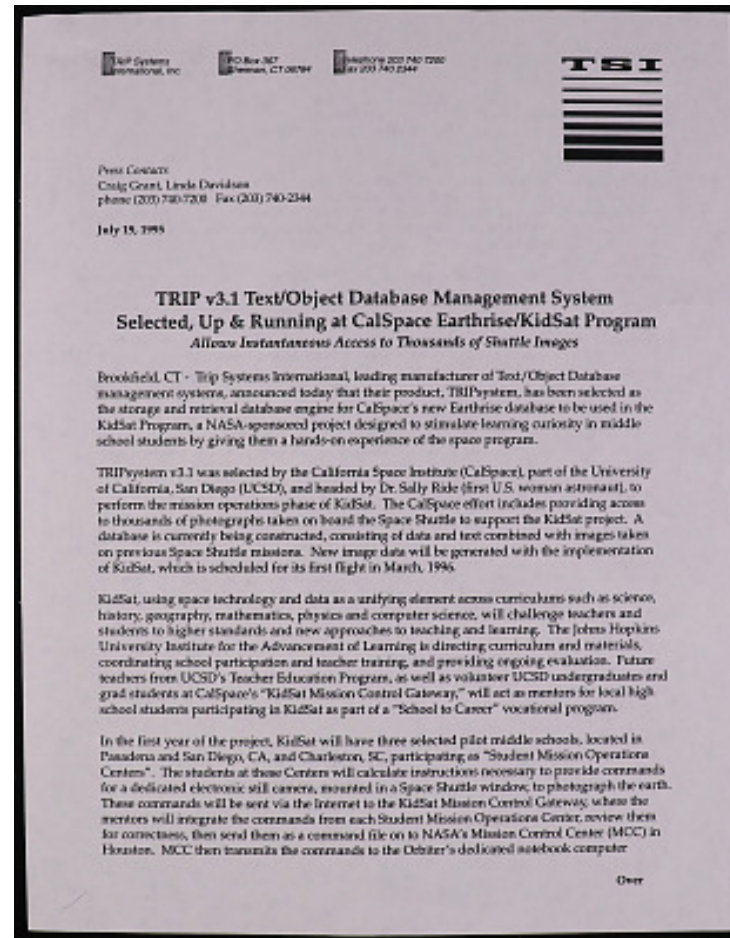
**TRIP v3.1 Text/Object Database Management System  
Selected, Up & Running at CalSpace Earthrise/KidSat Program  
Allows Instantaneous Access to Thousands of Shuttle Images**

Brookfield, CT - Trip Systems International, leading manufacturer of Text/Object Database management systems, announced today that their product, TRIPsystem, has been selected as the storage and retrieval database engine for CalSpace's new Earthrise database to be used in the KidSat Program, a NASA-sponsored project designed to stimulate learning curiosity in middle school students by giving them a hands-on experience of the space program.

TRIPsystem v3.1 was selected by the California Space Institute (CalSpace), part of the University of California, San Diego (UCSD), and headed by Dr. Sally Ride (first U.S. woman astronaut), to perform the mission operations phase of KidSat. The CalSpace effort includes providing access to thousands of photographs taken on board the Space Shuttle to support the KidSat project. A database is currently being constructed, consisting of data and text combined with images taken on previous Space Shuttle missions. New image data will be generated with the implementation of KidSat, which is scheduled for its first flight in March, 1996.

KidSat, using space technology and data as a unifying element across curriculums such as science, history, geography, mathematics, physics and computer science, will challenge teachers and students to higher standards and new approaches to teaching and learning. The Johns Hopkins University Institute for the Advancement of Learning is directing curriculum and materials, coordinating school participation and teacher training, and providing ongoing evaluation. Future teachers from UCSD's Teacher Education Program, as well as volunteer UCSD undergraduates and grad students at CalSpace's KidSat Mission Control Gateway, will act as mentors for local high school students participating in KidSat as part of a "School to Career" vocational program.

In the first year of the project, KidSat will have three selected pilot middle schools, located in Pasadena and San Diego, CA, and Charleston, SC, participating as "Student Mission Operations Centers". The students at these Centers will calculate instructions necessary to provide commands for a dedicated electronic still camera, mounted in a Space Shuttle window, to photograph the earth. These commands will be sent via the Internet to the KidSat Mission Control Gateway, where the mentors will integrate the commands from each Student Mission Operations Center, review them for correctness, then send them as a command file on to NASA's Mission Control Center (MCC) in Houston. MCC then transmits the commands to the Orbiter's dedicated notebook



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Over

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