

# Space shuttle as recycling program

The reusable Space Shuttle, scheduled to fly late this decade, is in many ways the "ultimate recycling program," said Robert Anderson, head of Rockwell International Corp.

The shuttle program, which will be international in scope, is the first major step towards the economic and effective utilization of space.

The shuttle's recycling features include the reusability of its orbiter and boosters, and its ability both to retrieve payloads from orbit for reuse and to service or refurbish satellites in space.

"The space shuttle is designed to reduce the cost and increase the effectiveness of using space for commercial, scientific and humanitarian needs," said Anderson. Rockwell is the prime contractor for the shuttle or-

bit and its main engine and also is the integrator for the shuttle transportation system.

THE PRIMARY mission of the shuttle is the delivery of payloads to Earth orbit, and it can place 65,000 pounds in orbit.

But, he noted, "the space shuttle is more than a payload hauler. The orbiter has the capability to carry out missions unique to the space program."

The shuttle, in addition to retrieving and servicing satellites, will be able to supply space laboratories in orbit, operate as a space observatory, and carry payloads with their own propulsion systems.

"Of tremendous added importance," Anderson said, "is the fact

that the space shuttle will be international in scope."

The Canadian team — headed by Spar Aerospace of Toronto — will design and build the remote manipulating arm that will enable the shuttle to perform a multitude of operations.

THE 11-NATION European space agency will design and build the Spacelab for the program.

"The shuttle's flexibility and economy will enable the peoples of the Earth to realize more tangible benefits than ever before from the frontiers of the universe."

As an example, sensor systems in space can help the world solve its food problems by identifying crops in each field, estimating probable yield and determining plant diseases or in-

sect infestation. This information will help agricultural specialists predict total food available on a worldwide basis.

Improved satellites of the space shuttle era also will be able to locate new sources of fossil fuels, such as oil and natural gas.

SHUTTLE-DELIVERED satellites can be used in numerous other important activities, he said, including: gathering weather information; conducting air quality studies; making mineral discoveries; and conserving forest resources.

The shuttle will also take new and improved communications satellites into Earth orbit, enabling nations to better understand each other through more efficient communication and utilization of information transfer," Anderson said.

## SEMTA names new GM

Clarence Generette has been named general manager of the Southeastern Michigan Transportation Authority. The 51-year-old Obion was chosen by the SEMTA Board following a six-month screening of over 300 applicants.

Generette assumed his new duties on Aug. 4, after winding up his current engineering consultant projects with the firm of Coverdale and Coppitt, Inc., where he has been vice president of mass transportation.

Born in Urbana, Ohio, Generette grew up and was educated in Cleveland. He was graduated from Howard University with a degree in Civil Engineering and began his career in 1948 with the Cleveland Transit System. In a career spanning 25 years with CTS, he rose through the ranks to become Superintendent of Engineering and Maintenance.

In this capacity, he was responsible for engineering and construction, power, and signals and radio communications systems. He also supervised maintenance of way, structures, and rolling stock, including 800 buses and 117 rapid transit cars.

In 1971, Generette joined the New York based firm of Coverdale & Coppitt, Inc., as a consultant in the design and operation of mass transit facilities. He has supervised technical studies for the Tri-Met Transit System in Portland, Oregon, and a study to increase commuter train volume of the Penn Station in New York City.

In a subcontractor capacity, Generette has been a consultant on the design of the MARTA Subway facility in Atlanta and the Baltimore Subway system.

Generette is married to the former Catherine Allen of Berken Harbor. Mrs. Generette was graduated from the University of Michigan and received her master's degree in education from Western Reserve University in Cleveland. The couple has two daughters, Lauren, 20, a student at Howard University, and Lynne, aged 12.

## White collar crime examined Sept. 16

Crime within companies and crime between companies will be examined Tuesday, Sept. 16, by Kenneth Haber, assistant U.S. Attorney.

Haber, an authority on white collar crime, will speak at noon at the Mayflower Hotel in Plymouth.

Tickets may be purchased at the lobby desk. The speech is sponsored by the Suburban Employers Association.

## LIT names woman editor-in-chief

Barbara Miller, 18, has been named the first woman editor-in-chief of Lawrence Institute of Technology's (LIT) student weekly newspaper, The Tech News.

Miss Miller, a junior in mathematics and chemistry and an honor student, recently was voted the most active LIT student by fellow student government members.

Her mother, Margaret, is the Wayne County public health and religion editor of the Observer & Eccentric Newspapers. Her father, Joe, is news editor of the Detroit Free Press. The family lives in Farmington.

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