

Rutgers Professor Would have Jetport Located on Man-made Island

A Rutgers University engineering professor and a former student today described their plan for a fourth metropolitan area jetport that could provide an alternative to previously suggested sites.

The jetport would be located on a 6,000-acre man-made island three miles off the New Jersey coast at Long Branch. The island would be developed entirely to the jetport and the 30 million passengers it is designed to service each year.

The study was aimed at avoiding environmental factors that have aroused objections to other sites within existing land areas. It also focused on eliminating deficiencies in plans recently suggested for offshore airports elsewhere in the metropolitan area.

The authors of the plan estimate close to 10 years for construction and a cost of about \$1.75 billion.

The plan is the result of research conducted by Dr. Edward G. Nawy, professor of civil engineering, and his student, Fred C. Kolety, who conceived the plan in the course of research for a graduate degree. Kolety is now on active duty as a second lieutenant in the Air Force. The plan represents a comprehensive study of passenger movement, aircraft and airport operations, existing mass transportation facilities,

construction engineering factors and oceanic aspects. The authors emphasized, however, that they considered the report to be preliminary to further more detailed studies.

The island construction would consist of a seawall of reinforced concrete boxes sunk in place and filled with sand from the ocean floor. The basic location was selected to avoid any conflict with the busy Ambrose-to-Barnegat sea lane, while offering advantages not available at other suggested sites.

The plan emphasizes that an offshore location would avoid any encroachment on the airport by others, and would preclude creating any problems of noise or air pollution.

The authors pointed out that the more dense air offshore would reduce air and noise pollution because of the greater winglift and aircraft engine efficiencies possible in such air.

"Steeper climbs with more control and less engine effort are possible," the report states.

Dr. Nawy and Kolety envision the extensive use of the airport by international and long-haul passengers from New Jersey, Staten Island and Manhattan. The airport would also include a large cargo-handling facility which could attract increasing volumes of business as facilities at other area airports become saturated.

The report also points out that elimination of night all-cargo flights from existing airports would reduce currently objectionable noise there. Diversion of cargo flights to the projected facility would be acceptable to the cargo industry because lower landing fees, improved handling and loading operations and reduced ground traffic congestion would all lessen operating costs.

Access to the airport would involve a coordinated network of highways and rail lines on land, and waterborne and airborne carriers. Air cushion vehicles (ACV) would move passengers between the airport island and existing New York and New Jersey airports and coastal communities. A production model 250-passenger ACV, carrying 90 autos and traveling at 90 miles an hour, is already on the market.

The most direct rail link now exists as the Penn Central route between Penn Station in Manhattan and electrified track through Newark and So. Amboy where diesel locomotives take over. The line continues through Red Bank and passes through Long Branch at a point a half-mile from the shore. Current plans are to complete electrification of this route by 1980.

After planned improvements to the rail line are completed, travel



CAROLYN NOVICK OF BROOKLYN, a victim of a 1966 automobile accident, was crowned "Mrs. Day in the Sun" on the 42nd annual Hudson River cruise sponsored by the Institute for the Crippled and Disabled, a rehabilitation center in New York City. Mrs. Novick was honored in recognition of her unusual courage in overcoming severe disability. She is nearing completion of a comprehensive rehabilitation program at the Institute in preparation for employment as a secretary. Enjoying the ride with her is Benjamin Gastel of Westfield, who is assistant to the director of the vocational and industrial rehabilitation service at the Institute.

time estimates of less than one hour between Manhattan and Long Branch are foreseen. Currently, only three airports in the world have direct, rapid rail service. They are Brussels, Gatwick (London) and O'Hare (Chicago) airports. Tempelhoff is a stop on the Berlin subway and Tokyo has a monorail link.

Dr. Nawy and Kolety describe monorail and helicopter service as "impractical and unfeasible, respectively." They also reacted with only guarded acceptance to the possibility of using short-takeoff-and-landing (STOL) aircraft for local passenger movement.

"Utilization of such service from smaller city centers to the airport depends as much on the facilities at these cities as on the facilities at the airport."

Problems of coastal beach erosion would be minimized by locating the airport sufficiently far offshore and by utilizing offshore breakers to divert wave action. The authors cite the international legal problem of redefining national and state ocean boundaries because the airport extends more than three miles from the existing shore.

Overall, Dr. Nawy and Kolety emphasize that the feasibility of the proposed offshore airport depends on the continued unacceptability of current conventional onshore jetports. These have been widely criticized as socially, environmentally and politically unacceptable.

In Massachusetts

E. B. Mayo Jr. of Westfield was a participant in recent ceremonies during which the Governor of Massachusetts, Francis W. Sargent, signed a proclamation in honor of the American Council of Independent Laboratories.

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Mrs. Farrow Summer Student

Mrs. Helen Farrow of 1963 Lawrence Ave., assistant professor of English at Union College, will be spending her fourth consecutive summer in a college classroom, but in the student's seat, not the instructor's.

Mrs. Farrow will attend the fourth session of a five-year advanced study program at the Graduate School for Teachers, Wesleyan University, Middletown, Conn.

This year's session opened on June 4 and will continue through Aug. 13. Mrs. Farrow will take courses in Seventeenth Century poetry and in Twentieth Century avant-garde literature and will also audit a humanities course in world literature.

All courses in the program are of a seminar nature and are designed especially for "intelligent, serious students who have imagination and initiative" and "to promote opportunity for free discussion."

Upon completion of the five-year program, Mrs. Farrow will be awarded a Certificate of Advanced Study with a major in literature from Wesleyan.

A graduate of Swarthmore College with a bachelor of arts degree with high honors, Mrs. Farrow earned a master of arts degree from Syracuse University and has done additional graduate work at Columbia University.

Mrs. Farrow joined the Union College staff in 1961 as a part-time instructor and the full-time faculty in 1963. She was promoted to the rank of assistant professor in 1969. Mrs. Farrow is married and the mother of four children.

Enjay Promotes B. C. Clarkson

B. C. Clarkson of 1661 Wychwood Rd., has been appointed corporate secretary of Enjay Chemical Company. He also becomes secretary of the company's administrative committee and retains responsibilities for executive development and manpower planning.

Born in New Haven, Conn., Mr. Clarkson was graduated of Rensselaer Polytechnic Institute in 1950, and has since held a number of engineering and management positions with various petroleum and chemical affiliates of Standard Oil Company (New Jersey) both domestically and abroad.

Mr. Clarkson and his wife, Betty, have a son, Thomas Richard.

Adult Educator Earns Award Citation

Mountainside — Harry E. Linkin, director of adult education of the Union County Regional High School District No. 1, has been honored with an award citation from the New Jersey State Department of Education, bureau of adult and continuing education. It was announced today.

Linkin received the award at a resident institute on community education held at Rutgers University. The institute was limited to selected adult education leaders in New Jersey and was geared to training them in the concept of community education.

The regional district operates adult schools at each of its four high schools and the Lincoln School in Garwood.

Schnepf to Retire After 43 Years

Richard G. Schnepf of Scotch Plains has elected to retire Oct. 1 from Mobil Oil Corporation after nearly 43 years of service.

Mr. Schnepf joined Mobil as a clerk in 1929. Later, he became a marine representative in Norfolk, Va., and then in New York City. In 1945 he was named Southeast district marine manager, with headquarters in Baltimore, and in 1950 he returned to New York as district manager. He has been marine sales manager of the North American division since 1958.

Mr. Schnepf is a member of the Society of Naval Architects and Marine Engineers, Propeller Club, Downtown Athletic Club, Maritime Exchange and the Marine Square Club.

SUNNY DAYS

Sunny days can mean trouble, warns the American Cancer Society. Repeated overexposure to the sun can cause skin cancer.



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