

Ryan Flexible Wing Concept Under Study

The Ryan Flex Wing concept is being investigated for possible surveillance drone applications under a contract from the U.S. Marine Corps to the Ryan Aeronautical Company, San Diego, it was announced this week.

Two test vehicles constructed by Ryan have been undergoing functional and flight testing at the Marine Corps' desert facility at Twenty-nine Palms.

This is the latest of several orders awarded Ryan by various agencies for different applications and studies of the new flexible wing.

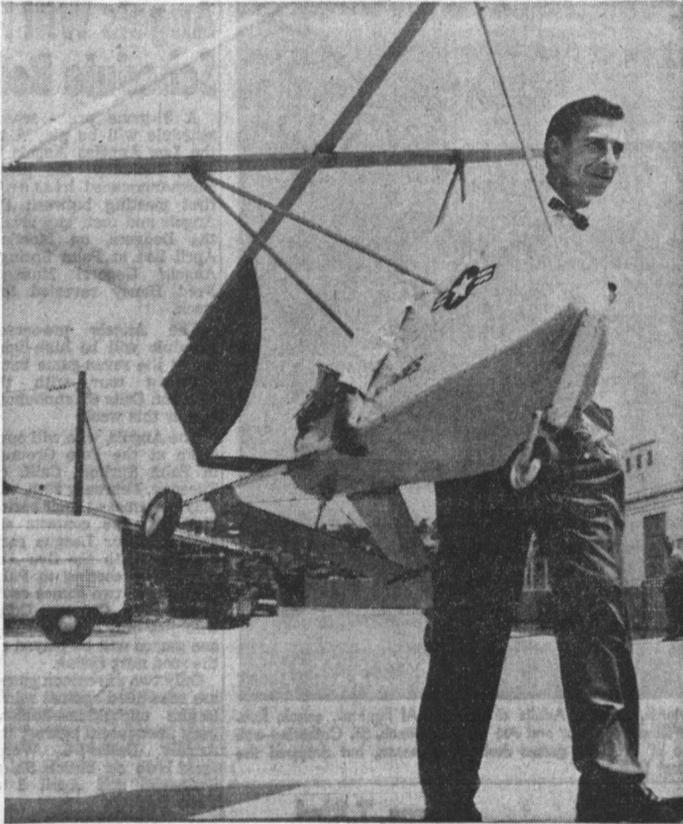
Flight testing and engineering studies of the Flex wing powered test vehicle, designed and built in Ryan's San Diego plant, have been conducted under contract from the U.S. Army Transportation Research Command.

Further wind tunnel and flight testing of the Ryan Flex Wing test vehicle is currently under way.

Recently, Ryan received another Army TRECOM contract to design Flex Wing unmanned towed gliders which could transport cargo for logistics requirements.

The newest contract, from Marine Corps Headquarters, Washington, D.C., will determine the capabilities of a flexible wing drone for surveillance over enemy territory in support of tactical combat operations.

Launched from a portable field launcher by two Marine infantrymen, such a low-flying drone could carry photographic or television equipment to report enemy movements and position. The drone also could be used as a platform for numerous other sensing systems.



RYAN FLEX WING DRONE, which is being investigated for surveillance applications under U.S. Marine Corps contract to Ryan Aeronautical Company, San Diego, is easily carried by Cecil Craigo, Ryan Flex

Wing Program Manager. Functional and flight testing is being performed at the Marine Corps desert facilities at Twenty-nine Palms.

Lindeman Gives Report On Telephone Service

C. O. Lindeman, president of Pacific Telephone, said recently his company spent almost \$330 million for expansion. Improvement of service in California in 1961.

Although business generally cut back its construction in 1961 because of the 1960-1961 recession, Lindeman said Pacific Telephone maintained its program without cuts. This was done for two reasons:

1. The need to meet the continuing demand for service;
2. Confidence that the recession would be short-lived.

"Our current plans," he added, call for spending about \$375 million in 1962.

Lindeman expressed confidence in the basic soundness of the economy and prospects for continued growth in the West in the year ahead.

AID ALL INDUSTRY

"A construction program of the size contemplated for 1962," Lindeman said, "will contribute to full employment and increased personal incomes, not just in our business, but in other industries throughout the state."

Major items in Pacific Telephone's 1962 program, covering approximately 1,200 communities, were described as follows:

New installations and additions to central office equipment will run about \$105 million;

Expenditures for land and buildings needed to take care of growth will amount to \$30 million;

Outside plant, the wire

and cable network that ties telephone users to each other and to central offices, will be expanded at a cost of \$90 million;

New telephones, switchboards for business use, and other equipment will cost about \$150 million;

Reviewing 1961 operations, Lindeman reported a gain of 371,000 telephones, bringing the total in service at year-end to about 6,750,000.

He said that direct distance dialing had been extended to about three-fourths of the Company's customers, and that long distance business had increased about 7 per cent.

LARGEST STATE BILL

Lindeman pointed out that Pacific Telephone's state and local tax bill is now the largest in California. The company's total tax payments to federal, state and local governments amounted to some \$237 million.

This was \$21.5 million more than in 1960, and almost four times what it was ten years ago.

Bell System employees, including Pacific Telephone, Western Electric and A.T. & T. people who live and work in California, will receive about \$415 million in wages this year.

Lindeman said total purchases of goods and services from some 2,500 suppliers in 200 locations will amount to about \$175 million for the year.

Other evidence of growth: Local and long distance

calls, combining those completed over Pacific Company lines and those fed into the nationwide Bell System network, are expected to total 7.7 billion in 1961. This tops the previous year's volume by 300 million.

"Wrapped up in this small

package of big figures is a brief story of Pacific Telephone's stake in the future of California, and of the importance of Pacific Telephone to California. The future "can be just as bright as private enterprise is encouraged to make it," Lindeman concluded.

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SALUTE

William D. Spidle, radio-man second class, USN, son of Mr. and Mrs. William D. Spidle of 2314 Dominguez, Torrance, was promoted, Nov. 16, while serving aboard the escort destroyer USS Carpenter, operating

out of Pearl Harbor, Hawaii. Promotions for Navy enlisted personnel are the result of semi-annual fleet-wide competitive examinations.

Donald F. Nigh, hospital corpsman first class, USN, son of Mrs. J. P. Nigh of 18801 Hawthorne, Torrance,

is serving with the Sixth Marine Regiment at Camp Lejeune, N.C.

An infantry unit of the Second Marine Division, the regiment conducts intensive training in the latest tactics of modern warfare including the Marine Corps' concept of vertical envelopment.

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