

# Canadian Jet Airliner Opens New Vistas

By Albert D. Hughes  
Aviation Editor of  
The Christian Science Monitor

Visualize an airliner slightly larger than the American Convaire, able to carry 50 passengers at a speed equal to that of piston-driven fighters, and 100 miles an hour faster than the fastest American domestic airliner.

Provide the airliner, moreover, with a delivery possibility of two years and a small idea may be gained of the impact that the first public test of the Canadian Avro Jetliner has made upon the American air transport world.

As Canadian Government and military officials, American Ambassador Laurence Steinhardt and American and Canadian civil transport officials looked on at Toronto's Malton Airport Oct. 4, the Avro jet-propelled aircraft clearly showed that it is not a tricky plane to operate. The Jetliner is designed to cruise at speeds up to 430 miles an hour at altitudes up to 30,000 feet.

With the first general public showing of the paces of its new jetliner, Canada disclosed that it has a 24-month jump on any known American developments in the jet-propelled commercial transport field.

## Medium Range

The Avro liner is a medium-range transport designed to travel up to 1,400 miles, and thus is a type for service between major cities in the United States and Canada.

Though the liner's specifications were suggested by Trans-Canada Air Lines, the Canadian Government airline, it was indicated that this airline would be just as exacting in its requirements as any private organization, when it finally got out its checkbook for a jet liner.

Britain earlier scooped the world in the long-range jet-propelled field through the successful test flights of the deHavilland Comet transport.

The Canadian jet-propelled craft was constructed at the A. V. Roe plant in Toronto, with some financial help from the Canadian Government. The company is predominantly Canadian, though it was organized in 1945 by the huge Hawker Siddeley aircraft and automotive group in Britain.

## Canadian Design

Though British experts came over to get the plant into operation, and the airliner employed some ideas of Tudor aircraft, much of the design as now represented is entirely Canadian.

The Canadian company hopes

to compete in the American market. This feeling was enhanced, perhaps, by the fact that an official of Eastern Air Lines was in the observing group. It was learned that Eastern is considering the use of the jet liner on its New York-Miami run.

On takeoff the Jetliner used only about 2,500 feet of runway and was airborne in 23 seconds. It climbed in a sharp steep turn and made several circuits around the airfield to show that it can be operated within the perimeter of a normal-size airport.

## Rapid Ascent Made

But its jet parentage showed up when the amazing ability to climb 6,000 feet a minute was demonstrated. The ship is powered by four Rolls Royce "Derwent" turbine engines, each developing 3,500 pounds of thrust. The engines are in pairs in nacelles on each side of the fuselage. The aircraft is conventional in appearance.

Emblematic of the distance which competitors must travel was the fact disclosed that the Jetliner is three years away from the drawing board.

Avro officials said that the jet ship cost would probably be around \$700,000.

Told of an American estimate that the development of a jet aircraft in the United States would cost close to \$20,000,000, Avro officials stated that the Avro liner cost "rather less than half the figure usually cited in the United States." Materials and labor costs are held to be a bit cheaper in Canada.

## Economical Operation

Canadian engineers of the company pointed out that the jet liner would burn more fuel than a conventionally powered aircraft, but that it would be more economical to operate. This was due to the greater speed, which also would permit greater utilization.

Poised closer to the ground because of its tricycle landing gear, the Avro Jetliner measures 82

feet, nine inches long, and weighs 60,000 pounds. It is designed to carry 50 passengers and their baggage.

## Negro Pastor Named Head Of Virginia Clergy Group

By Religious News Service

Middleburg, Va.

Members of the Loudoun County Ministerial Association, which includes both white and Negro ministers, elected their first Negro president. He is the Rev. A. M. Erwin, son of a former slave.

The name of the Rev. Mr. Erwin, pastor of the Asbury Methodist Church, was placed in nomination by the Rev. M. Douglas Newman, pastor of the Middleburg Methodist Church, a white congregation.

## New Low Prices

### MUTATION FLANK MUSKRAT COATS

\$245.00 up  
plus tax

Pay the 'Philmor' Way

*West Hartford Furriers*  
981 FARMINGTON AVE.  
"In the Center"

## Gifts

"Just over the hill  
from Hartford"



*The Village Handcrafters*  
Collinsville - Conn.

William B. Andrus, Prop.

COLLINSVILLE, CONN.

HARTFORD, CONN.

## Wise-Smith

**B**ARGAIN  
**B**ASEMENT  
IS NOW OPEN

**LUX, BOND  
& GREEN**

DIAMOND IMPORTERS

AND JEWELERS