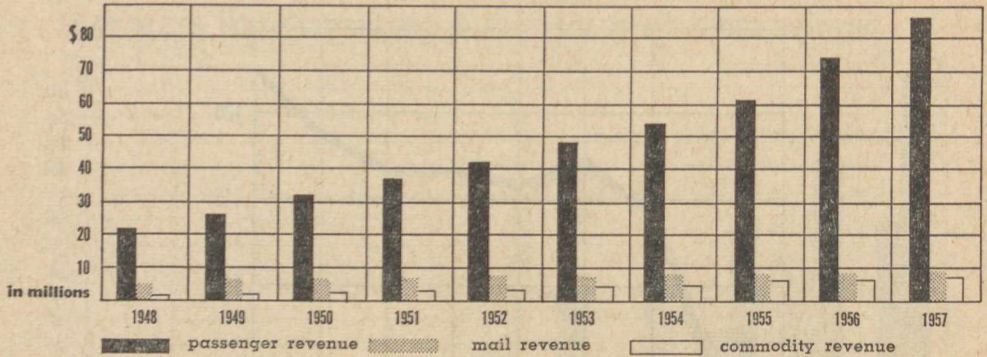


## SOURCES OF TCA SYSTEM REVENUE 1948-1957



In conformity with Company policy of long standing, the "management development" programme continued through 1957. In addition, particular attention was paid to personnel instruction at all levels in the organization.

### Planning

The pace of TCA's preparation for what is generally referred to as the Jet Age quickened in 1957 and will accelerate as the time approaches for delivery of the advanced aircraft of tomorrow.

Scheduled operation of aircraft of the size and speed of the full jet DC-8 and the turbine propeller powered Vanguard which the Company will undertake in 1960 and 1961 calls for the planned development of new procedures and facilities, for air and ground personnel training, maintenance and overhaul, ramp handling and flight management. It is gratifying to be able to report that a large proportion of this exacting work has been completed.

To the extent that the equipment plans of other carriers are now known, TCA will be the first international air line in the world to be completely equipped with turbine powered aircraft.

The DC-8, of which six are on order, will carry 120-135 passengers and fly at 550 miles per hour. The Vanguard will accommodate as many as 107 passengers and fly in excess of 420 miles an hour. Together with the proven Viscount, they will give Canada an unexcelled standard of air transportation. The DC-8 will enter service in early 1960 and the Vanguard in 1961. The speed and capacity of these airliners will make them extremely productive, if sufficient traffic is available to ensure good load factors and utilization. In acquiring them, TCA is expressing confidence in Canada's future.

For the care of the DC-8s and Vanguards, a large overhaul and maintenance base will be built at Montreal. It will be the first of its kind to be devoted entirely to the needs of turbine aircraft.

TCA has, for some years, been engaged in the study of special applications of modern electronic techniques to air line operations. In 1958 the Company will take delivery of an IBM 650 Magnetic Tape electronic computer. The programming associated with revised inventory control procedures is well advanced and studies are under way with respect to possible applications in the areas of Maintenance and Operations Planning. In addition, good progress has been made in the development of the prototype of a new electronic reservations system which offers promise of speed and accuracy unattainable by manual means. Tests are continuing.

The delivery of fifteen more Viscounts during the first half of 1958 will enable TCA to introduce this fine equipment to a number of additional cities and to intensify its use generally on domestic routes. This expansion of the