

# A tradition of excellence

Collins products have been established leaders in high frequency (HF) communications since the early 30's. Admiral Byrd first used Collins HF equipment during his Antarctic Expedition in 1933. A tradition for state-of-the-art equipment with outstanding quality and dependability was established by the Company through its many innovations in communications.

During World War II, Collins developed the Autotone® ART-13 transmitters, which offered fast tuning of radio equipment for the first time. In the late 1940's, the pi-coupler was developed by Collins to simplify antenna matching. Collins also manufactured the first linear permeability tuned oscillator (PTO) with unheard-of frequency stability and accuracy.

The Collins KW-1, developed in the early 50's, was the first self-contained transmitter for the amateur user. In 1954, the KWS-1 was the first Collins single side band transmitter, giving it four times the talk power in less than half the physical size and weight of the

earlier KW-1.

The Collins developed mechanical filter improved carrier and opposite side band suppression for cleaner single side band operation. In 1956, Collins introduced the first amateur band transceiver, the KWM-1. The next step was in 1959, when the Collins KWM-2 was introduced with five amateur bands instead of three.

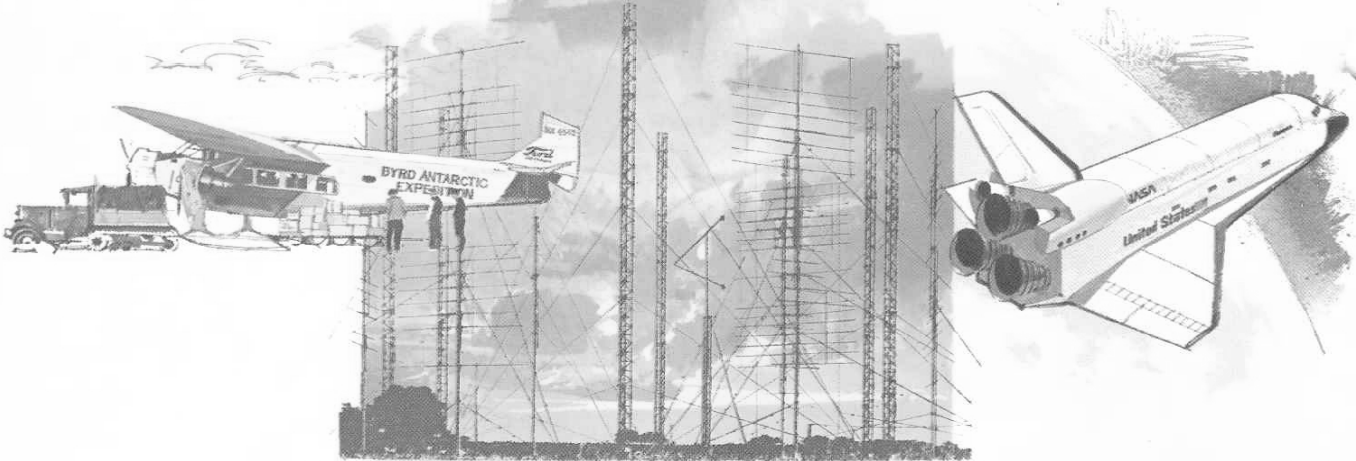
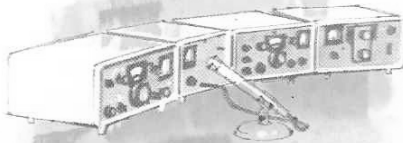
The Collins S/Line and KWM-2A were introduced in the 1960's and have set standards of performance for many years. The reliability of these product lines is well proven by thousands of hams. The U.S. Government has used Collins amateur equipment under rugged field conditions for over two decades.

Today, with the new Collins KWM-380, Rockwell is carrying on the tradition

with a new state-of-the-art transceiver. The same quality, service and performance of the earlier amateur products were combined with the experience that has given Rockwell the most complete HF product line in the world, including military, government and commercial users. Thousands of Collins HF systems are used in fixed stations, ocean vessels, vehicles, and aircraft all over the globe.

Rockwell's proven communications capabilities extend to most parts of the radio frequency spectrum and extra-terrestrial applications. Every American voice from space has come over Collins equipment.

Rockwell has the capability to configure, install and support HF communications equipment and systems anywhere in the world. A full range of products is available to satisfy most requirements ranging from basic, fixed-frequency transceivers, to fully automated communication systems. Today, the excellence which made Collins a leader is enhanced further by the extensive resources of Rockwell International.



For more details and information,  
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**Rockwell  
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...where science gets down to business