



DEDICATION OF U.S. NAVAL RADIO "T" STATION
ARLINGTON, WASHINGTON
"RADIO JIM CREEK"
18 November 1953



DEDICATION
"RADIO JIM CREEK"

Wednesday, 18 November 1953
Transmitter Building
U. S. Naval Radio "T" Station, Arlington, Washington

INVOCATION

Commander Paul R. Elliott, ChC, U.S.N.R.

OPENING REMARKS

Rear Admiral Allan E. Smith, U.S.N.
Commandant Thirteenth Naval District

REMARKS

Rear Admiral William B. Ammon, U.S.N.
Director of Naval Communications

ADDRESS

Brigadier General David Sarnoff, U.S.A. (Ret.)
Chairman of the Board,
Radio Corporation of America

FORMAL PRESENTATION OF TRANSMITTER TO U. S. NAVY

General Sarnoff

ACCEPTANCE ADDRESS

Admiral Robert B. Carney, U.S.N.
Chief of Naval Operations

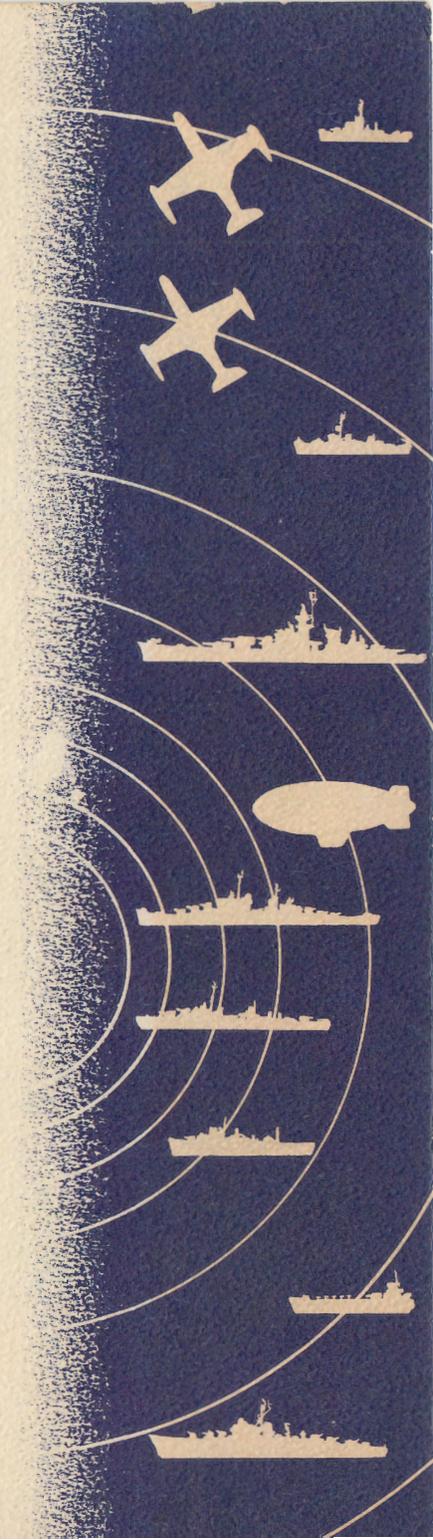
TRANSMISSION OF FIRST OPERATIONAL MESSAGE

Admiral Carney; General Sarnoff at key

CONCLUDING REMARKS

Rear Admiral Allan E. Smith, U.S.N.

Guests will adjourn to Naval Radio Station Firehouse
for Luncheon, during which acknowledgments of the
first operational message will be received and posted.



"RADIO JIM CREEK"

The United States Navy, in association with the Radio Corporation of America, today formally dedicates its new world-wide radio transmitter, the most powerful in existence. Nestled in the Jim Creek Valley of the rugged Cascade Range, Radio Jim Creek is located 11 miles from Arlington and 60 miles from Seattle. The "Big Jim" transmitter operates on VLF/HP (Very Low Frequency, High Power), transmitting its signal with a power output in excess of one million watts.

Twelve 200 foot steel towers atop the 3000 foot high ridges of Wheeler and Blue Mountains support the more than 30 miles of one-inch copper-shielded steel cable antenna. Crossing and recrossing the Jim Creek Valley, the 10 antenna strands vary from 7000 to 9000 feet in length. This gigantic antenna feeds down from the mountain tops to the actual transmitter building on 23 additional supporting towers.

Grounding mat for this gigantic source of the Navy's stentorian radio "voice" is formed from 280 miles of copper wire. Primary power source is furnished by the Bonneville transmission lines through a 110,000 volt sub-station.

"Big Jim," whose million-watt globe-encircling radio signal is the most effective means yet devised for alerting Naval units everywhere in the air, on the sea, or under the sea, is a major joint contribution by the Navy and RCA to the National security.