

In 1937, ABB began activities in electronic fields, and began the development and design of Broadcast Transmitters, Antennas and Tubes. Since this beginning, ABB has become a world leader in the development, design manufacture of high power transmitters, antennas and tubes. Unlike most manufacturers, ABB manufactured most components used in their transmitters, which enabled them to maintain a high quality product.

All three companies subscribe to the ABB philosophy that our customers have the right to expect their transmitters to do their job efficiently today, next month, next year and for a great many years to come. We implement our philosophy by:

1. Sound electrical design complimented by rugged mechanical construction.
2. Use of components of high quality and generous rating.

These principles result in equipment which is reliable under extreme climatic conditions.

Prime Contractor: ABB Technology Co.
North Brunswick, New Jersey

Sub-Contractors: ABB Service Co.
Columbus, Ohio

ABB Infocom Ltd.
Turgi, Switzerland

*Asea Brown Boveri is proud
to be a part of VOA's
next half-century of broadcasting!*

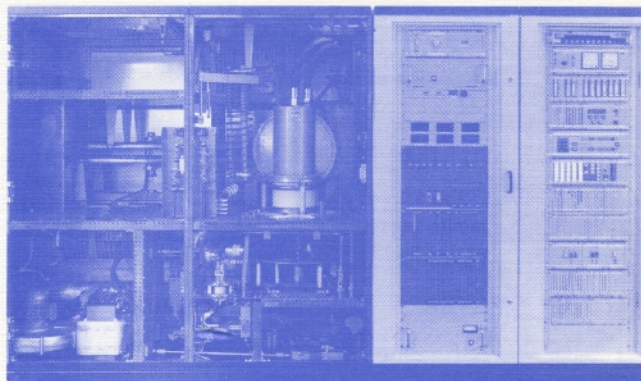


VOA BETHANY RELAY STATION
MASON, OHIO



Dedication of Three ABB 250kW Shortwave Transmitters

November 1, 1991



*ABB congratulates Voice of America
on the dedication of
three 250 kilowatt Shortwave Transmitters
at Bethany Relay Station.*

This completes a contract between the United States Information Agency and ABB which began December 22, 1978 for furnishing nine 250 kilowatt short-wave transmitters for various Voice of America stations .

In 1981, ABB installed two transmitters at the VOA Relay Station, Tinang, Philippines.

In 1985, ABB installed four transmitters at the VOA Relay Station in Delano, California.

In 1991, ABB installed three transmitters at VOA's Bethany Relay Station in Mason, Ohio.

During these thirteen years, ABB added state-of-the-art improvements to the transmitters and also furnished a 500 kilowatt shortwave transmitter to the VOA Relay Station in Greenville, North Carolina under a separate contract.

The work done at Bethany was unique, in that this was a "turn-key" project in which the following elements were included in an integrated package:

- Demolition of existing equipment.
- Site and building modification to accommodate new equipment.
- Modifications and/or provision of new auxiliary equipment to meet the conditions at Bethany Relay Station.
- Shipment of all transmitter ancillary equipment to Mason, Ohio.
- Provision and installation of new indoor antenna feeder lines.
- Erection, commissioning and the acceptance testing of the three ABB 250 kW transmitters.
- Removal of existing 2400 volt substation equipment.

- Extension of existing Allis-Chalmers outdoor 4160 volt switchgear.
- Removal and replacement of PCB contaminated equipment.
- Disposal of surplus material.

Work commenced on January 31, 1990 with completion required by September 30, 1991 (20 months). Actual completion was August 31, 1991.

ABB Technology was responsible for overall project management, administration and coordination, including scheduling and maintaining records for monthly project meetings.

ABB Service Company was responsible for site management, demolition, design and civil work to the existing building; oversight of all sub-supplier activities, receipt and inventory control of all materials and supervised and performed the erection of the transmitters. A major accomplishment was keeping the work area safe and clean while avoiding the disruption of ongoing broadcasting operations.

ABB Infocom was the transmitter manufacturer. In addition, they were responsible for technical support during the commissioning and acceptance testing.

Bethany Relay Station was fully operational during the entire length of the contract work. The transmitters being replaced were manufactured in Cincinnati by Crosley Radio Broadcasting Corporation. On September 23, 1944 the Office of War Information, the Office of the Coordinator of Inter-American Affairs and the Crosley Corporation officially dedicated six 175 kilowatt transmitters at Bethany. In the mid-1960's three of the old Crosley transmitters were replaced. Forty-six years after they were installed, the last three Crosley transmitters have been retired and replaced by three new 250 kilowatt transmitters.