Selection of right converter and antenna critical for UHF

by I. S. Blonder
Chairman of the Board,
Blonder-Tongue Laboratories, Inc.

There has been a long-standing prejudice against UHF. Since the band opened in 1952, many otherwise knowledgeable technicians have considered UHF reception to be inferior to VHF. Yet the recent New York City tests conducted by the FCC have proved that this is simply not so.

There is a reason for this paradox — equipment. In 1953, the state of the UHF art was relatively primitive. Today, experienced manufacturers like Blonder-Tongue are able to produce equipment capable of providing UHF reception that is, in many ways, superior to VHF.

Today's Blonder-Tongue UHF converters reflect the improvements drawn from our experience in every UHF area of the country. The consumer has the opportunity to buy a converter which has withstood the most critical test of all, performance in nearly 3 million homes. Blonder-Tongue provide brilliant color pictures and sharp black & white reception on all UHF channels.

As for antennas, UHF has a definite advantage over VHF. Because the UHF wavelength is so small, high gain, efficient antennas are small and cost little. The periodic principle proved so successful in the U.S. Satellite program is especially applicable to UHF. The Blonder-Tongue Golden Dart (outdoor) and Golden Arrow (indoor) antennas utilize this principle. While they are compact, these antennas provide more gain than the large VHF yagis. What's more important, their patterns are clean, rejecting unwanted "ghost" signals.

With a little extra care in selecting and installing UHF equipment, you can often provide your customers with better UHF pictures than they've been watching on VHF.

Blonder-Tongue UHF converters

These all-channel UHF converters, your best investment in TV enjoyment, add channels 14-83 to your present set. They are particularly suited to meet the critical demands of color TV. The famed BTU-2T and 998 converters feature peak performance on all UHF channels, easy installation, reliable, long-term operation. Maximum stability for drift-free performance and a low noise figure for snow-free reception. The BTD-44 employs a tunnel diode circuit for excellent, low cost battery operation.

Blonder-Tongue UHF antennas

The UHF antennas are designed to match the high performance standards on all UHF channels of our famed UHF converters. They employ the well-known Periodic principle, to provide uniform, high gain across the entire UHF spectrum for sharp, ghost-free pictures. Full bandwidth makes these UHF antennas excellent for color and black & white TV. The Golden Dart is an outdoor UHF antenna which comes completely pre-assembled with nothing to snap out, no screws to tighten. The Golden Arrow is an indoor UHF antenna, which outperforms all other available indoor UHF antennas.

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<th>ALL-CHANNEL UHF CONVERTERS</th>
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<td><strong>DESCRIPTION</strong></td>
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<tr>
<td>BTU-2T - Deluxe all-channel converter/amplifier. Adds all UHF channels to any set. Requires only a small antenna. Used in outdoor antenna anywhere up to 60 miles from station. With indoor antenna, up to 25 miles.</td>
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<tr>
<td>BT-99S - All-channel converter. Adds all UHF channels to any set. Provides maximum signal, Drift-Free, distortion-Free, UL approved.</td>
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<tr>
<td>BTD-44 - All-channel, tunnel diode UHF converter. Utilizes tunnel diode for maximum reliability. Operates on ordinary flashlight battery which lasts from 4 to 8 months.</td>
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*In weak signal areas, use a model Able-22 UHF amplifier.

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- The UW-2 assumes NO potential difference between itself and the mast, allowing MAXIMUM lightning protection when the mast is grounded.
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- Excellent directivity, single lobe horizontal field pattern, 470 to 850 M.C.

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3 MOUNT ON MAST . . . JOB COMPLETE

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no. 8904 List $11.75 less mast

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