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Newington: The American Radio Relay League, 1994. — 342 p. — ISBN 0-87259-449-1. Contains dozens of construction articles for transverters, preamplifiers, power amplifiers, antennas, and test and measurement equipment. Some articles are previously unpublished; others are reprinted from conference proceedings, QST, and QEX. If your interest lies in the bands above 432 MHz, you'll find this book to be invaluable. Introduction. Making the Most of the Microwaves. Getting Started on the Microwave Bands. Construction Practices and Tips. RF Exposure Guidelines. Make Etching Patterns with a Hobby Knife than at lower microwave frequencies. On SSB, the indicated frequency should be within 500 Hz at both the transmitter and receiver, or you may not hear the station calling you. During a microwave contest, you don't want to adjust both the antenna and the frequency while trying to make a contact. I wasted many hours during the last 10-GHz-and-Up contest because the LO in my transverter was 85 kHz off frequency at 24.192 GHz. A lesser-known problem is phase noise. 3P. Wade, N1BWT, "Building Blocks for a 10-GHz Transverter," ARRL UHF/Microwave Projects Manual, Vol 2, pp 3-33 to 3-40. 4I use a surplus Efratom FRK-L rubidium oscillator obtained from Lehman Scientific, 85 Surrey Dr, Wrightsville, PA 17368. They will also perform calibration of oscillators, traceable to NIST. Read. The Arrl Uhf/Microwave by American Radio Relay League. Other editions. See a Problem? We'd love your help. Let us know what's wrong with this preview of The Arrl Uhf/Microwave Experimenter's Manual by American Radio Relay League. Problem: It's the wrong book It's the wrong edition Other. The American Radio Relay League (ARRL) is the national association for amateur radio, connecting hams around the U.S. with news, information and resources. A Single Board No-Tuning 23-cm (1296MHz) Transverter (1,301,863 Bytes, PDF File) ARRL UHF/Microwave Projects Manual, pp. 3-21 - 3-23 PC board template (32,768 bytes, PDF file). How to Work 10-GHz DX, Part 1 (149,177 bytes, PDF file) QEX Jan/Feb 2002, pp. 58-60 Location, Location, Location. How to Work 10-GHz DX, Part 2 (399,911 bytes, PDF file) QEX Mar/Apr 2002, pp. 55-69 Hardware.