

You'll KICK Yourself If You Build a Repeater

Without Checking Out Our Catalog First!

Hamtronics has the world's most complete line of repeater controllers, cw and voice id boards, dtmf controllers, autopatches, ctcss boards, exciter, pa, and receiver modules. Here's a sample...

CWID. Traditional diode matrix, permits field changes; use with COR-3.kit only \$59.



CWID-2. Miniature cwid board, eprom-controlled, easy to build.only \$54/kit, \$79 w/t

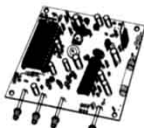
DVR-1. Add real speech to your repeater. Records your own voice up to 20 seconds. Use for voice id or to play club announcements.\$59/kit, \$99 w/t.

COR-3. Inexpensive, flexible COR module with timers, courtesy beep, audio mixer. kit only \$49.

COR-4. Complete COR and CWID all on one board. Low power CMOS logic, timers, courtesy beep, 2nd rcvr input, id in eprom.only \$99/kit, \$149 w/t.

COR-5. Microprocessor controller with all the bells & whistles! Full autopatch, reverse ap, phone remote control, lots of dtmf control functions, all on one board, as used in REP-200 Repeater.\$379 w/t.

COR-6. COR timers, courtesy beep, voice id - all on one board. Record your own voice up to 20 seconds. Low power CMOS, non-volatile memory. kit only \$99, w/t only \$149.



AP-3. Repeater autopatch, reverse autopatch, phone line remote control. Use with TD-2.kit \$89.

TD-2. Four-digit DTMF decoder/controller. Five latching on-off functions, toll call restrictor.kit \$79.



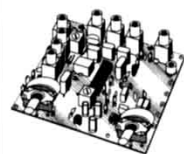
TD-4. DTMF controller as above except one on-off function and no toll call restrictor. Can also use for selective calling; mute speaker until someone pages you....kit \$49.

TD-5. CTCSS Decoder/Encoder. Prevents repeater access unless tone is present. Can also be used with mobile to access repeaters.kit \$39, w/t \$59.

FM EXCITERS: 2W output, continuous duty.
TA51: 6M, 2M, 220MHzkit \$99, w/t \$169.
TA451: 420-475 MHzkit \$99, w/t \$169.
TA901: 902-928 MHz, (0.5W out) w/t \$199.

VHF & UHF AMPLIFIERS.

Output levels from 10W to 100W Starting at \$99.



FM RECEIVERS:

• **R100 FM RECEIVERS** for 46-54, 72-76, 140-175, or 216-225 MHz. Very sensitive - 0.15uV, superb selectivity - both crystal & ceramic i-f filters for >100

dB at ±12kHz (best available anywhere), flutter-proof squelch.kit \$129, w/t \$189.

• **R144/R220 RCVRs.** Like R100, with 2M or 220 helical resonator in front end.kit \$159, w/t \$219.

• **R451 FM RCVR,** for 420-475 MHz. Similar to above.kit \$129, w/t \$189.

• **R901 FM RCVR,** 902-928MHz. \$159, w/t \$219.

Complete Repeaters:
Kit only \$1095
w/t only \$1295



See prior months' ads for more products. We make a full line of VHF & UHF FM Xmtrs & Rcvrs, PA's, Data Modems, Preamps, Helical Filters, Repeater Controllers, Autopatches, DTMF and Subaudible Tone Decoders, Digital Voice Recorders, WWV Rcvrs, Weather Fax Rcvrs.

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This Month in Amateur Radio

September 20 is **IARU World Amateur Radio Day**. The theme for this year's celebration is "35 Years of Amateur Radio in Space."

September 20 is also **Amateur Radio Awareness Day**. Write an article for your local paper, establish a station in a mall or park, give a presentation to a civic group, or do anything else that will acquaint the public with Amateur Radio. Contact Jennifer Gagne, N1TDY, at the ARRL Public Relations department at 860-594-0328, or via e-mail at jgagne@arrrl.org, for helpful tips.

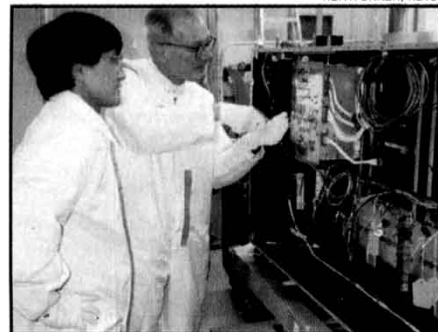
This is a great month for enjoyable competitions of every sort. The first seven days are devoted to the **10th Annual Straight Key Week**, sponsored by FISTS. CW is also the theme on September 7 during the **North American CW Sprint**.

Even though autumn officially debuts this month, the weekend of September 13 and 14 is going to be hot on almost every band. Tune up your VHF/UHF gear and head for the hills for the **ARRL September VHF QSO Party**. Or, if you prefer HF, check out the phone portion of the **Worked All Europe Contest**. (You'll find details on both contests in your August *QST*.) Are you an island hunter? Check out the second annual **American and Canadian Islands Contest** sponsored by the US Islands Awards Program. Three fun contests on the same weekend!

It's still warm enough for comfortable mountaintopping. That's where you'll find microwaving hams during the **ARRL 10-GHz Cumulative Contest**, September 20 and 21. HF digital operators will be looking forward to the **CQ World Wide RTTY** contest, September 27 and 28. On the same weekend, Tennessee amateurs will be coming out of the woodwork for the **Tennessee QSO Party**. See "Contest Corral" in this issue for more information.

September get-togethers include the **Kentucky State Convention** in Louisville, September 6 and 7; the **Southwestern Division Convention** in Riverside, California, September 12 through 14; the **Western New York Section Convention** in Hamburg, September 20; **Alaska State Convention**, September 20 and 21 in Anchorage; and the **Virginia State Convention** in Virginia Beach, September 20 and 21. See "Coming Conventions" in this issue.

KEITH BAKER, KB1SF



Dick Jansson, WD4FAB, (right) installs the JAMSAT SCOPE unit into the Phase 3D satellite as Yoshi Takeyasu, JA6XKQ (left), looks on. The IARU celebrates 35 years of amateur space activity this month.

HENRYK KOTOWSKI, SM0JHF



Chris, SP7GIQ, enjoys contesting from his station in Poland. Listen for Chris during the Worked All Europe contest this month.



Whatever you're looking for, you'll probably find it at a hamfest flea market. September offers perfect flea market weather, so plan to attend a hamfest or convention near you!