

December, 1985

PAARA

GRAPHS

Featuring:

An announcement of the release of
the 145.230 MHz repeater autodial
codes, a relevant article dealing
with the causes and cures of VCR
TVI, Red Cross, and much more!



**THE OFFICIAL NEWSLETTER
OF THE PALO ALTO AMATEUR
RADIO ASSOCIATION
AND
THE MENLO PARK C.D. AMATEUR RADIO CLUB**

PAARAGraphs is the official newsletter of
the Palo Alto Amateur Radio Association &
the Menlo Park Civil Defense Radio Club

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Club Net 147.45 MHz, Monday at 8:30 p.m. local time

PAARA Policies

Membership in PAARA is 6 dollars per calendar year (payable in January) which includes a subscription to **PAARAGraphs**. Make payment to PAARA,

Speaker for Dec 6th meeting will be

Ken Manders

WB6CNI

who will speak on

Antenna Design

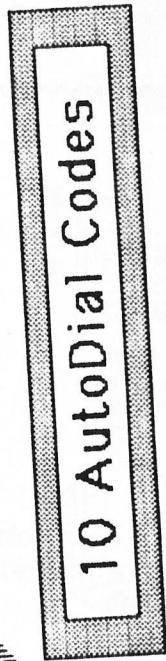
Misc Info

VEC info can be obtained by calling (408) 984-8353. The closest exam coming up soon is in Cupertino, on Dec 7th. It will be held at Tandom, walk-ins only, \$4.00 fee; call for more info.

Code Practice - W6QIE can be heard nightly starting at 8PM, every day except Monday, on 3.590 MHz. They start at 5WPM, and progress over the hour to 35 WPM!

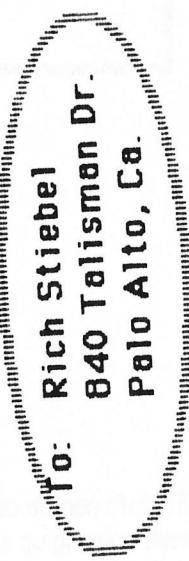


145.230 M



The 145.230 Repeater now has 10 AutoDial codes for AAA, Local Police, etc. These are available to licensed hams. To get yours, you need to send

- 1) A copy of your license.
- 2) a S.A.S.E (self addressed stamped envelope)



Hwy 101

Bay Road

Woodside Road

Ampex Cafeteria

8:00 PM - Dec. 3, 1985

The Pacific Packet Radio Society meets on the first Tuesday of every month. The next monthly meeting of the PPRS will be Tuesday Dec 3rd at the Ampex Cafeteria in Redwood City. This meeting will be our annual hardware review. We hope to have every type of packet board up and running at the meeting. Please plan to attend.

Reducing VCR TVI

Many of us are concerned about TVI. A particularly troublesome form of TVI is that which finds its way into home VCR's. After three early withdrawals from contests, I resolved to do something about my VCR interference, and hopefully find a solution that would keep both my kids and neighbors happy.

After five or six false starts, I discovered that most of the RFI was getting into my VCR from the shield on the 75 ohm coax. Most newer homes are wired for cable (as was mine), and the three or four hundred feet of shielding makes a wonderful antenna.

To test for this kind of interference, simply remove the antenna connection from the VCR and (with a tape playing) gradually put more power into your antenna system. In my case, if the cable distribution from my house was connected to the VCR, I had no interference while watching normal TV, but found that the picture was destroyed during record and playback. In my neighbor's case, I destroyed regular TV as well as VCR recording and playback with any power level above 100 watts. I also discovered that if I disconnected the cable system, I could run any power level and watch VCR tapes.

I first tried to get the RFI off the shield by using all of the published methods, i.e., ferrite, hi-pass filters, grounding, etc, etc. Nothing worked, until one day I figured that in a balanced system, both leads could be filtered. To accomplish this, I used two Radio Shack coax to 300 ohm baluns, and a six dollar balanced TVI filter.

(continued on next page)

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To use the set-up, simply hook the balun to filter to balun and place it into the line in front of the VCR (see diagram which follows). The results are very gratifying. I can run full legal power and See Page 10 simultaneously playback or record tapes on the VCR, in addition to watching regular TV. Somewhat more gratifying is the fact that my neighbor with the VCR hasn't had any interference after installing the same configuration.

TVI can take a lot of fun out of our hobby and cause a lot of bad publicity. I hope this simple, inexpensive remedy helps some of you put the fun back in contest weekends.

73,
Chuck,

W7MAP

(Editors note - this article is reprinted from the Nov 1985 "The Contest Jug", No 161. My thanks to Fred for submitting this article for reprint here)..

Tucson Amateur Packet Radio has announced that its new TNC 2 will be available beginning August 19. No orders are being taken before the 19th. Orders will be taken by telephone between 9 AM and 9 PM PDT, August 19 through 23, and during regular business hours thereafter. There are 280 TNC 2s on hand at TAPR, and these will be shipped immediately. Another 300 TNCs should be ready to ship sometime in mid-September. When you call to order a TNC, you will be told whether yours is to be part of the first batch or the second batch. The price of the TNC 2, including shipping, handling and credit-card charges will be \$200.85. The TAPR phone number is 602-746-1166. Congratulations to the TNC-2 volunteers for completing a significant packet-radio project.

From DRNET.

Taken from *Gateway*-- A.R.R.L.

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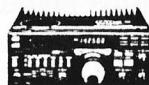


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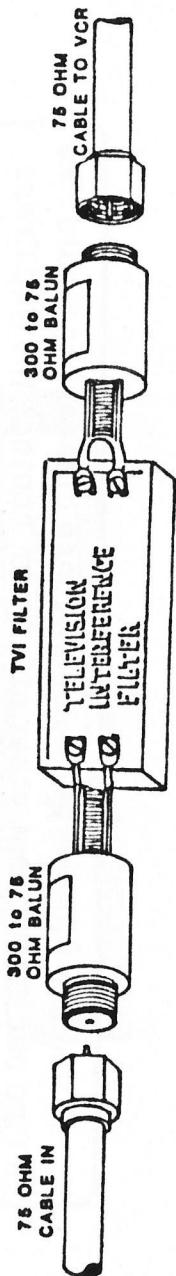
Prices, specifications, descriptions subject to change without notice. Calif. and Arizona residents please add sales tax.

The Palo Alto Red Cross is located at 400 Mitchell Lane, just across from the Palo Alto train station. Their phone number is **322-2143**.

The Multimedia Standard First Aid class are given at 3 locations (1 in Mountain View, 2 in Palo Alto). Upcoming classes include Dec 7th, or Dec 11/13, or Dec 2/4 CPR classes being offered include one class beginning on Dec 3rd (meets tues/thurs thru Dec 12), and another beginning on Dec 9th (meets mon/wed thru dec 18).

If you are interested in any of these classes, or would like to find out more about other offerings, contact the Red Cross at 322-2143.

VCR TVI Reduction Set-Up





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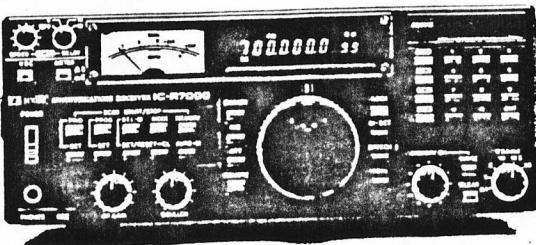
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IC-R7000



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Keyboard Entry. For simplified operation, the IC-R7000 has direct keyboard entry. Precise frequency can be selected by pushing the digit keys in sequence of the frequency. The frequency will be automatically entered without changing

The main tuning knob. Memory channels may be called up by pressing the Memory switch, then keying in the memory channel number from 1 to 99.

99 Memories. The IC-R7000 has 99 memories available to store your favorite frequencies, including the operating mode. All memories are backed up by a lithium battery.

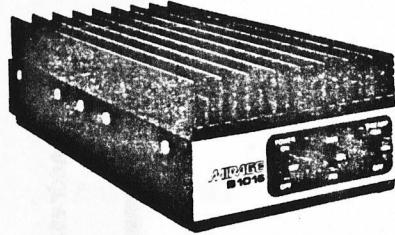
Other Outstanding Features:

- FM/AM/SSB Modes
- Scanning, memory, mode, select, memory scan, priority, or programmable frequency limits

- Narrow/Wide Filter Selection
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- Compact Size: 4 1/4" x 11 1/4" x 10 1/4"
- DTMF
- Auto Lock
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- S-Meter, Center Meter
- Fluorescent Display with Dimmer Switch
- Optional RC-12 Infrared Remote Controller
- Optional Voice Synthesizer

See the IC-R7000 receiver at your authorized ICOM dealer.

MIRAGE
COMMUNICATIONS EQUIPMENT
B1016 2 Meter Amplifier
10W IN — 160W OUT



DUAL PURPOSE — H.T.s or transceivers
FEATURES:

- Built-in receive preamp
- Adjustable relay delay for SSB
- Remote control operation with optional RC-1 Remote Head
- Automatic internal or external relay keying
- 1 to 2 Watts in will give 30 to 60 Watts out

SPECIFICATIONS

Frequency Range

144 to 148 MHz

RF Power In 200 mw to 15 Watts

RF Power Out 160 Watts nom. (10 in - 160 out)

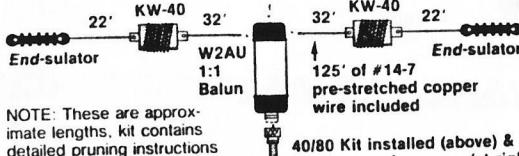
SSB, FM and CW

Modes

Receive Preamp 10 db gain min — 2.0 db ± .5 db noise figure

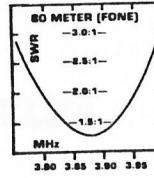
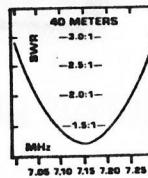
DC Power 13.6 VDC 20-25 Amps

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NOTE: These are approximate lengths, kit contains detailed pruning instructions for getting exact lengths.

40/80 Kit installed (above) & Typical SWR performance (at right).



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