

# Spider Antenna

U.S. Patents 4349825, 4480988 Made in U.S.A.

Spider™ Family of Multi-Band Antennas

**GO WITH THE ORIGINAL NO HASSLE, MULTIPLE BAND ANTENNA**

Four amateur bands (10, 15, 20, and 40 meters) at your command without having to change resonators or retune — just band switch your rig. Also available are the 75, 12, 17 and 30 meter bands. Needs no antenna tuner. Custom made with highest quality workmanship and materials.

**Wherever you roam, on Land or Sea . . . or even at Home**

### On Land

Suitable for use on any motor vehicle from a compact automobile to a motor home or trailer. Work four bands without stopping to change resonators.

### Or Sea

The Spider™ Maritimer is for use on or near the ocean. Highly polished stainless steel and nickel-chrome plated brass. Commercial marine frequencies (8, 12, 16 and 22 MHz) are also available.

### At Home

If you live in an apartment, condominium or restricted area, the Spider™ may well be the answer to your antenna problems.

DIPOLE

## MULTI-BAND ANTENNAS

7131 OWENSMOUTH AVENUE, SUITE 263C  
CANOGA PARK, CALIFORNIA 91303  
TELEPHONE: (818) 341-5460



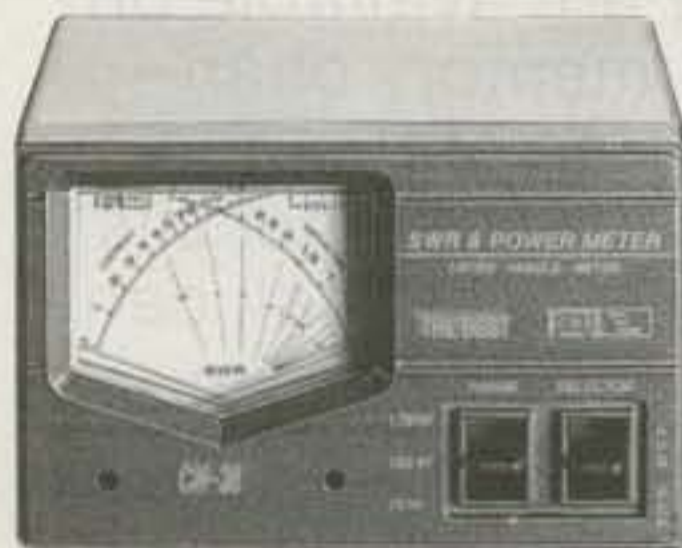
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EXPORTER

27024 CILAVEGNA - ITALY -  
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## CROSS NEEDLE POWER & SWR METERS



-- HIGH QUALITY INSTRUMENTS --  
FOUR MODELS TO CHOOSE FROM:

CN-30 26/28 MHz  
CN-144 140/170 MHz  
CN-220 1.8/150 MHz  
CN-V/UHF 140-170 & 410-450 MHz

- 3 Power Ranges 15-150-1500 Watts
- Forward & Reflected Power & SWR all at the same time without switching or calculus
- Selectable Average or PEP switch

General catalogue available

RMS is producing many attractive communication products

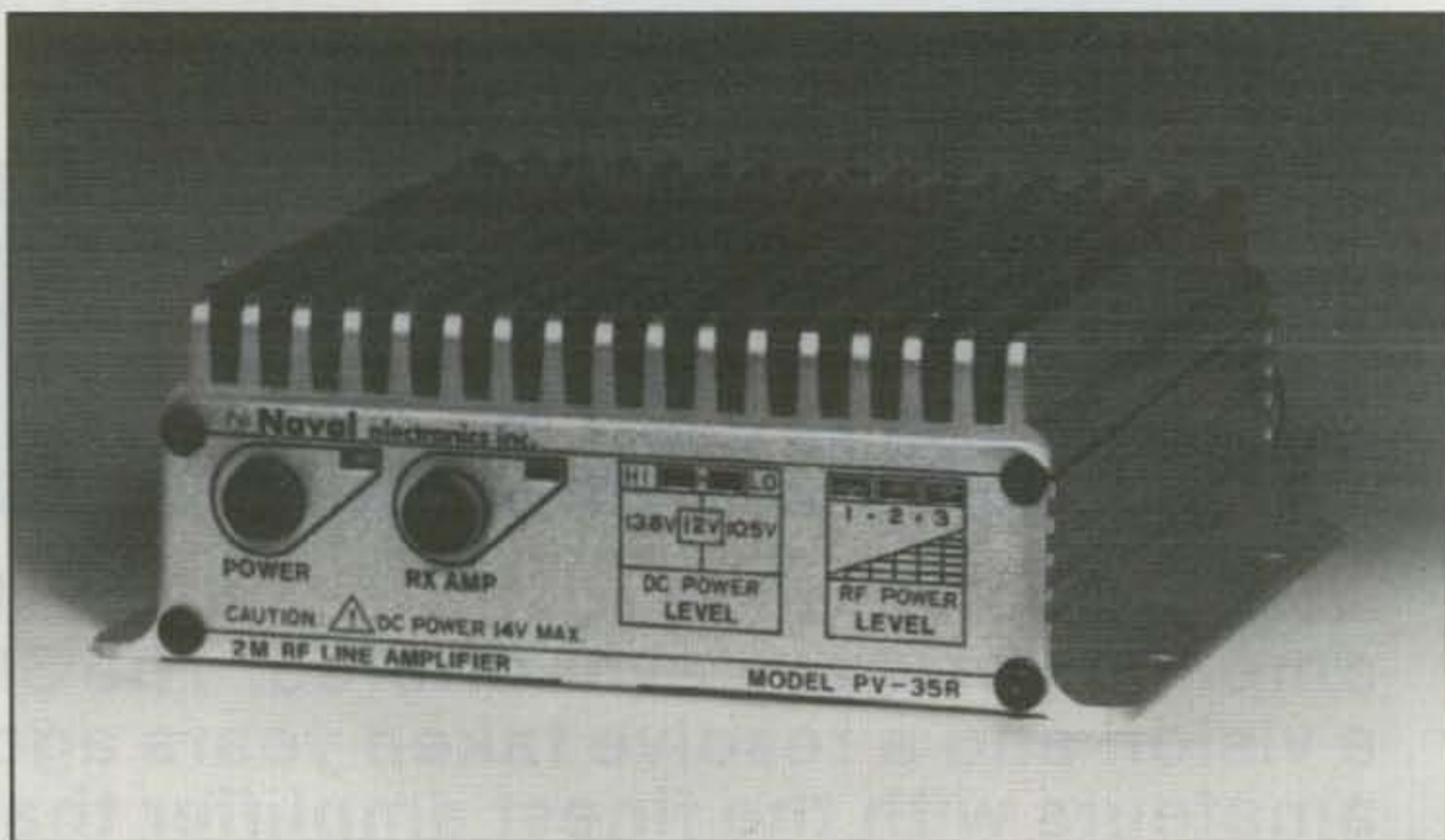
WORLDWIDE AGENTS & DISTRIBUTORS WANTED

CIRCLE 93 ON READER SERVICE CARD

## CQ REVIEWS:

# The Naval PV-35R 2 Meter Linear Amplifier

BY LEW McCOY\*, W1ICP



The PV-35B presents a neat amplifier package. At the right is the power switch, and to its right is the receiver amplifier. The DC power levels are displayed via LEDs, as are the output levels.

The PV-35R, marketed by Naval Electronics, Inc., is a linear amplifier designed for 2 meter signal amplification, both on transmit and receive. Primarily, this amplifier is for use with a handheld in either base or mobile operation. The unit I had for review was not an "all mode" type, but an all-mode version can be had for an additional charge of \$10.00 for the modification. This means that in addition to 2 meter FM, the amplifier can be used with AM, standard FM, CW, SSB, RTTY, and packet.

Essentially, the amplifier provides 10 decibels of gain. I tested it at one-tenth watt input and got 1 watt out. Next, at 1 watt input I got 10 watts out. And last, at 3 watts input the amplifier put out 30 watts.

\*Technical Editor, CQ, 1500 W. Idaho St., Silver City, NM 88061

On the front of the amplifier are three LEDs which show the power output at either 10, 20, or 30 watts. This is a very handy display. Power-supply requirements are 10.5 volts to 14 volts (13.8) DC at 5 amperes. The amplifier measures only 4" x 4" x 2". It comes with UHF fittings.

The receiving preamp uses GaAS FETs and does an effective job on weak-signal amplification. I found the amplifier to be very useful in marginal repeater situations. Many times a repeater can be on a fringe for your operation, particularly if you are using a handheld. This amplifier, along with a reasonable antenna, will certainly cure such problems.

The PV-35R is manufactured by Naval Electronics, Inc., 5417 Jetview Circle, Tampa, FL 33634 (613-885-3789). The amplifier sells for \$149.00 plus \$7.50 shipping and handling.