

Response to the newsletter continues to be good and I thank all of you who have written to me with suggestions and comments to be included for publication.

The subject of classified advertising has been brought up a number of times and although I do not want to compete with some other monthly want-ad publications, there is no reason why I cannot add a classified section to S/1 NEWS. Since the purpose of this newsletter is to provide information to Signal/One owners, it seems reasonable to allow Signal/One related advertising the cheapest rate. Starting with the next issue, I will have a classified section with rates as follows to subscribers of S/1 NEWS: Business ads @ .40¢ per word; Signal/One related individual ads @ .10¢ per word and all other non-related individual ads @ .15 per word. Non-subscribers add 10¢ per word to the above rates. Please include complete name and address in the advertisement.

I would like to start keeping track of serial numbers so as to build up a "master registry". This list might prove useful, for instance, in case of theft. Drop me a note with your serial number next time you have some interesting info for the newsletter. My thanks to Howard, W6AXX for the suggestion.

I am told that the local expert for Signal/Ones in the Los Angeles/San Diego area is Alan Emerald, K6GA.

I received a very interesting letter from Dick Cunningham, KØHHP. He does most of the Signal/One repair work for Don Payne and also repairs and modifies units for owners. Dick also sells an improved LED counter board using 4 large H-P LED's. He says the last digit is flicker-free, that all IC's are in sockets and resolution can be increased to 10Hz (from 100Hz) by means of a single jumper on the PC board.

Dick indicated he has had many problems with the Johnson and Associates power supply board because of CR12 through CR15; they should be 3 amp units. The 1 amp units used on some boards have caused transformer failures! He will modify existing power supply boards to provide the same protection advertised by the Johnson people. I will publish details of this modification in the next issue of S/1 NEWS.

Dick will install his new LED counter board, make his power supply modifications, and other protective modifications, and perform a complete checkout and alignment for \$200. Write to him at 1477 N. 96th Avenue, Omaha, Neb., 68114. Dick has promised to provide me with additional modification information for future publication.

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. Bob, WØYVA/4

I spoke with Don Roehrs, the president of Signal/One in Franklin Lakes, N. J. to discuss the status of the new CX-11. I was informed that the CX-11 is presently in production and the first run is sold out. All sales are through Don Payne who incidentally, is not just a Signal/One distributor but a part of the Signal/One company. Price is \$2600.

Mr. Roehrs also indicated that a unit will be sent to the ARRL within a few days for their evaluation. He also indicated that manuals for the new CX-11's will not be available for 'several months'. I assume that the first units will be shipped without manuals. 4-digit LED (red or amber) boards and power supply boards are available directly from the factory. See sheet attached to S/1 NEWS, VOL I, No. 2 for details.

Mr. Roehrs said he would furnish me with additional information concerning details of new circuits when literature is available.

#### MODIFICATIONS AND REPAIR INFORMATION

W7IV suggests the following method of adjusting R46 (carrier oscillator adjustment) using a BC221:

1. Take unit out of case, connect to dummy load, and set OUTPUT control to zero (full CCW).
2. Turn audio gain up, switch between LSB and USB while adjusting the PASSBAND control for the same pitch of the front-end noise. Leave PASSBAND control in this position and switch to CW.
3. Feed some carrier oscillator signal into the BC221 by picking up the signal from terminal #495 on board A9, the AGC/Detector board.
4. Using headphones with the BC221, tune the BC221 to zero beat with the carrier oscillator (8.8165 Mhz). Leave the BC221 set at this zero beat.
5. Depress the key or TRANSMIT button. If R46 needs adjustment the signal heard will no longer be zero beat with the BC221. If necessary, adjust R46 for zero beat.

Repairing PTO backlash (re: WB4RSK). Remove PTO per Thomas manual. Remove covers and visually check. In general, the backlash will be eliminated by oiling the screw shaft and top mechanical slider.

Normal voltages at collectors of power supply chassis mounted transistors (re: W1NXY): Q1: 21.5, Q2: -22.0, Q3: 13.0, Q4: 41.0.

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Dick Cunningham, KØHHP, informs me he is very busy repairing and modifying Signal/Ones and cannot answer letters concerning specific problems. However, if anyone has a question about a particular problem, Dick can be reached at home in the evenings after 1730 (local time) and during the weekends at (402) 391 6230. No one answers this phone except Dick so call station-to-station and save a few cents!

Dick turns around Signal/Ones for repair and mods in TWO WEEKS OR LESS. The LED counter board is available for \$169 (and includes all parts to make his power supply modifications) but Dick will only sell the board (and parts) to someone that knows what he is doing! (A good idea - ed.)

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INFORMATION WANTED & CLASSIFIED

Details concerning modifications from CX7 to CX7B. Send to editor.

WANTED: CX7 Speaker and CX7 in need of repair. Will swap 2-month old TX520 with original box and manuals. Up or down. WB4RSK.

Bob, WØYVA/4