

I'm beginning to get reports from owners of the new CX11 and I want to include this newcomer in our newsletter. Will new owners of this rig drop me a note indicating the serial number of the CX11 and any problems and/or comments to date. Comments concerning operation with various linears is of special interest.

KØYTM has received his new CX11 and reports that it did not take him long to come to the conclusion that it is superior in many respects to his CX7. He has had excellent results on 40 and 80-meters. He comments on the IF shift and notch filter as being excellent and has promised additional comments when he has time to operate in conjunction with the A-77 linear and on other bands.

Complete Volume I and Volume II back issues are available for \$7.50 postpaid at this time. Individual issues are \$1.00 each, postpaid.

I apologize for these prices but I want to discourage ordering back issues, etc., unless you really want them! It is very time consuming to make these single issues. Thanks...ed.

Bill, W6FW, reports that improved transmit and lower second order harmonics can be achieved by changing zener CR-1 on the RF driver board from a 12-volt unit to somewhere between 6 and 8 volts. This reduces the change in impedance on the RF driver transistor by the positive swing of the 8074 grid. Output is decreased since AGC acts sooner to limit drive but on-air complements with heavy use of RF clipping are worth it.

Anyone have any ideas on eliminating poor audio quality (fuzz) that occurs at the onset of AGC action as the RF gain is turned up? AGC voltages check okay to the RF and IF sections and the audio output stage is NOT causing the problem. (Question by W6FW).

The following subscriptions are due: (NOTE NEW RATE BELOW)

WA6JPL, W8JQ, K8KEL, W2RID/4, W4BCV, K3NPV, WB4ADE, W6OAU, W2DIE, K2SIL, W6ZZ, WØESO, W1GUW, K4NX, K6GA, WB6AJR, W3RRX, W3DO, W5JDL, WA3KXC, WB5BYW, WA7QEX

S/1 NEWS is published monthly by Bob Sullivan, WØYVA/4, Post Office Box 6216, Arlington, Virginia 22206. Subscription rate is \$6.00 per year. Foreign subscriptions by air are \$11.00 per year.

C O M P L E T E I N D E X F O R V O L . I I A T T A C H E D

We had a very nice talk with John, WB8AKU, concerning his newly acquired CX11. He gave me permission to publish his comments concerning his experiences with the rig so far. As has been the case with everyone we have talked with, his opinion is very high concerning operation of the CX11 and the factory response to problems. John received only a typewritten instruction sheet with the rig and he noted that it is a good thing that the persons purchasing the rig are former CX7 owners since operation is nearly identical. John also noted that a manual has been promised for next March or April.

He has had some minor problems; soon after receipt of the rig, he experienced very low sensitivity (problem was a bad front end semiconductor) and intermittent output (problem was bad heat transfer between final output transistors and their heat sink due to improper mounting of the transistors - intermittent output was generated by the automatic circuits that reduce power when SWR is too high or if transistors overheat .. A VERY NICE feature..ed). Both these problems were promptly corrected by the factory when John sent the rig back. Another problem was an unexplained burn-out of a bridge rectifier assembly in one of the low voltage supplies - John fixed this himself with telephone help from the factory. His current problem concerns "mushy" audio reports while on-the-air. This problem remains unresolved, but the factory is concerned and explained to John that this rig should work well with any microphone and the audio should certainly not be mushy .. John is returning the radio at the suggestion of the factory.

John operated the CX11 during both phone and CW portions of the CQ WW contests with NO problems. Everyone operating the rig had favorable comments. There were no overload problems even with 5 other rigs operating at the KW level on all bands with all rigs in the same house (The CX11 was used on 20-meters).

John pointed out several times during our chat that he is very impressed with the factory response to his problems. He noted, for instance, that after a problem has been discussed with the factory, he will receive a return call asking if all is well. At one point, when he needed a repair part, the factory sent him the required part by air mail special delivery.

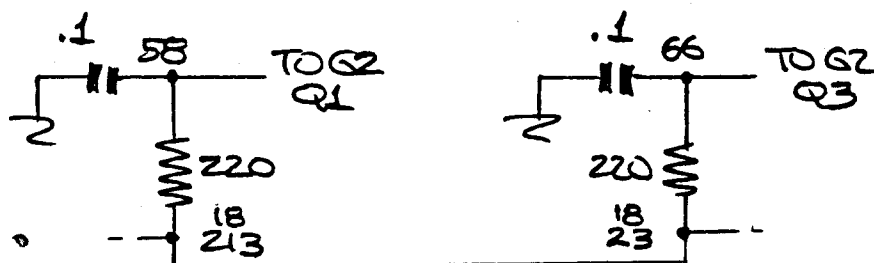
In Volume II, Number 11, Bill K2SIL asked a question concerning spurious signals in A/TO mode and how to cure it. Mark, K6BE points out that in Volume I, Number 9 there is a solution to this problem: In this issue, W8CXS sent in a number of modifications. His number 20 states: BFO board A4; Ground case of crystal Y-4 to adjacent foil to reduce dual transmit signal on A/TO. Components associated with the regular 34.2 Mhz circuit are grouped around the 11.4278 Mhz crystal and couple in a weak signal on the frequency of VFO A. Our thanks to Mark for this neat bit of detective work..ed.

Hint from K4BYM, Butch, concerning sensitivity on 160-meters: His problem was that receive sensitivity on 160 was down about 25db. On a suggestion from WA4RNO, he bypassed the high-pass front end filter and immediately 160 came alive! The filter is used to reduce interference from broadcast stations but Butch reports no problems (in his area anyway) with BC interference with the filter bypassed. The filter is located under the reed relay and hard to get at.

Carl, W2AZL, reports that the modification described in S/1 NEWS, Vol. II, Number 1 (top of page 3) concerning driving 2-meter transverter works FB. He recommends the use of "Microwave Modules" 28/144 and 28/432 solid state transverters which are distributed through Texas RF Distributors; 4800 W. 34th, D-12A, Houston, Texas, 77092.

Carl also notes an error in the schematic for the revised LM-380 audio output modification described in the TROUBLE GUIDE and S/1 NEWS Volume I, Number 8. The .1uf capacitor from LM-380 pin 8 to ground should not be used - it will cause the LM-380 to oscillate. The .1uf in series with the 2.7-ohm resistor should be retained. He reports the LM-380 modification is much better than the original PA-237 audio.

Finally Carl notes that a problem concerning motorboating on low signal levels on the 80 and 160 meter bands was traced to feedback through the AGC circuits on the front-end board, A2. This was cured by installing .1uf capacitors from pins 58 and 66 to ground (to foil on the board). The 220-ohm 1/4-watt resistors are run between the harness and these pins as shown below:



FOR SALE: CX7B \$1495. A70 vapor \$1150. Both for \$2550. The CX7B was previously owned by Dick Cunningham, KØHHP and included RIT in place of the FSK shift control. Both are being sold since they have been replaced by CX11 and A77D units. Contact John C. Gallucci, 2190 Cheltenham Rd., Columbus, Ohio, 43220.

FOR SALE: CX7 Series Number 00279. Florida model California modified to CX7A. Clean and works well. \$1000 firm. Contact Gordon Ichikawa, 321 E. Fairview, Apt. 213, Glendale, California 91207 Phone (evenings) 213/240-9513.

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