

# ORGANS and ELECTRONICS

Manufacturers • Distributers • The Radareed Organ

IMPORTERS - EXPORTERS MECHANICAL AND ELECTRICAL PRODUCTS  
MARBRITE STRUCTURAL GLASS CENTRAL ELECTRONICS RADIO EQUIPMENT

BOX 117  
LOCKPORT, ILLINOIS

JOHN D. DALY, W5QEY  
2420 NORTH 40TH. ST.  
ORANGE, TEXAS

DATE 6/19/59

YOUR NO. \_\_\_\_\_

TERMS: \_\_\_\_\_

Received \$10 deposit plus trade-in items  
(not itemized here) for the purchase of  
one 100V Central Electronics transmitter  
Balance due at time of delivery \$546<sup>00</sup>  
J.M. Carter

FIRST NATIONAL BANK IN ORANGE

No. 386

ORANGE • TEXAS 19 June 19 59

88-179  
1131

PAY TO THE  
ORDER OF

Organs + Electronics

\$10<sup>00</sup>

Ten + 100/100ths

DOLLARS

JOHN D. OR CAROLYN E. DALY

John D. Daly

234-3-954-5



\$10<sup>00</sup> Deposit on 100V xmta -

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MARBRITE STRUCTURAL GLASS CENTRAL ELECTRONICS RADIO EQUIPMENT

September 10, 1959

BOX 117  
LOCKPORT, ILLINOIS

Mr. John D. Daly, W5QEY  
~~Route-3, Box-182E~~ 2420 North 40th St.  
Orange, Texas

Dear OM:

This replies to your letter of September 7, 1959 about your order for a 100V transmitter.

Production of the 100V was started long ago this summer and proceeded until assembly and testing of the vfo's disclosed temperature effects that had not been experienced with the two or three units first made by hand. Terrific effort has been put out by all companies involved but uniform results have not yet been achieved. It may be the coil form material is aging or some other article does not stay put, we are not sure just where the trouble is.

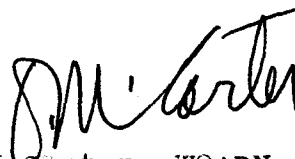
As a consequence of this, production was stopped, even though hundreds of sub-assemblies have been made. We guess that with all this effort being focused on the job, that a break through will come at any time.

Assuming that this comes about within the next week or two, we estimate that your unit should be available about two months after that time.

We are as eager as you to get on the air with one but try to console ourselves with the thought that when we finally do we shall have the best thing on the market.

You may hear or work one of the 8 or 10 on the air for testing purposes. There are no more than that out at this writing.

73,



O.M. Carter, W9ADN

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IMPORTERS - EXPORTERS MECHANICAL AND ELECTRICAL PRODUCTS  
MARBRITE STRUCTURAL GLASS CENTRAL ELECTRONICS RADIO EQUIPMENT

December 18, 1959

BOX 117

LOCKPORT, ILLINOIS

Dear Om:

We thought you would like to have a report of "On the air" operation of a 100 V.

As you may have heard, Central Electronics is furnishing one 100 V. to each dealer for use as a demonstrator. We received ours last week and have had it in operation on the air.

Our first tests were made with a local buddy who was close enough to hear us very loud and thus would be sure to hear any weak imperfections. He reported that the unwanted sideband was inaudible and the signal was smooth and free from any raspiness. On carrier suppression, he read a 9 + 40 db signal level with talk, and he had to turn up his volume control to hear the carrier faintly without talk. That's a lot of suppression! On speech limiting, he said that with the limiter indicator just flashing occasionally, as recommended for normal operation, the quality was perfect. With the volume control all the way on, he reported some degradation in quality but still very intelligible, where the utmost in talk power is wanted for special conditions -- and without any flat topping.

After this local check, we started reaching out. This is what really made us feel good. We had several contacts where the other fellow asked, "What are you using there? It sure sounds good". Other contacts, after hearing it was the 100 V., expressed the comments you would expect to hear, such as, "This is the first 100 V. I have heard, it sure sounds good".

We have been waiting all this time for the 100 V. because we believed it would be a "Sensational" transmitter. Never-the-less, it is a real pleasure to get it and find that all the advanced features we had been expecting were really there and as valuable and effective as we had dreamed.

We wish we could deliver your 100 V. to you for Christmas. Since that cannot be, it should be comforting to know that the wait is coming to an end; that the shipping rate for demonstrator use has increased very substantially since the 1st of December and this means that the back-log of demonstrators should be out of the way in January. The factory has not made any promises, but we are hoping that shipment of units for customers will start in late January and become substantial in February. It won't be long now!

73 for Christmas

O. M. CARTER - W9ADN



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MARBRITE STRUCTURAL GLASS    CENTRAL ELECTRONICS RADIO EQUIPMENT

BOX 117  
LOCKPORT, ILLINOIS

February 27, 1960

Mr. John D. Daly, W5QBY  
2420 North 40th St.  
Orange, Texas

Dear OM:

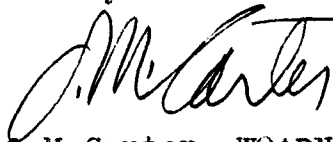
Did you ever say you would do something and then fall flat on your face?? That is about what happened after our letter of December in which we thought C.E. was squared away for production.

The concern making hf crystals for C.E. ran into difficulty with the 10 and 15m crystals and for about six weeks nothing, substantially, went out. This corrected itself about two weeks ago and they are now getting back into the swing of things but much time has been lost.

C.E. is now running out their orders from 1957. Ours were dated 1958 and so will not come up for filling until the 1957's are out, which will take most of March, it appears. Then the dealers who do not yet have a demonstrator will also have to be taken care of along the way. We think now that we can schedule yours for the third or fourth week in April. We wish we could be first but shall have to be thankful we are not among the hundreds who are after us. The factory is estimating six months delivery on new orders placed with them now.

Time does permit us to get on the air very much. We work a little SSB around 7205 evenings, late. Hope to talk to you on 15, where we get on a very little bit.

73,

  
O.M. Carter, W9ADN

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BOX 117  
LOCKPORT, ILLINOIS

June 6, 1960

Mr. John D. Daly, W5QEY  
2420 North 40th  
Orange, Texas

Dear OM:

This replies to your inquiry of June 4, 1960 about the 100V you have on order with us.

The C.E. factory has been virtually shut down as far as 100V production is concerned because of a strike at one of its suppliers. This has been going on for about two months and has set everything back that far, or more. They are now hoping that they will resume production in two or three weeks and if so to give us some sets early in July. We can not tell for sure just which week it will be.

Our present guess is that around the second or third week in July we can ship to you.

73,



O.M. Carter, W9ADN

28 Aug 60

# ORGANS *and* ELECTRONICS

*Manufacturers · Distributers · The Radareed Organ*

IMPORTERS - EXPORTERS    MECHANICAL AND ELECTRICAL PRODUCTS  
STRUCTURAL GLASS    RADIO EQUIPMENT

BOX 117  
LOCKPORT, ILLINOIS

September 6, 1960

Mr. John D. Daly, W5QEY  
2420 North 40th  
Orange, Texas

Dear John:

We have just returned from a trip to find your letter waiting for a reply.

You will be happy to know that C.E. is finally beginning to roll and is delivering on our orders.

If you will send along your certified check or cashiers check for the unpaid balance, \$546. we shall send your 100V to you within a few days.

It has been a long wait but now it is over.

73,



O.M. Carter, W9ADN

# ORGANS *and* ELECTRONICS

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IMPORTERS - EXPORTERS MECHANICAL AND ELECTRICAL PRODUCTS  
STRUCTURAL GLASS RADIO EQUIPMENT

BOX 117  
LOCKPORT, ILLINOIS

September 24, 1960

Mr. John D. Daly, W5QEY  
2420 North 40th St.  
Orange, Texas

Dear OM:

We cannot seem to find a record that we answered your letter of September 14 and acknowledged receipt of your check for \$546. enclosed with the letter. Please excuse us for not writing sooner, or, if we did, for repeating ourselves.

Your 100V, Serial No. 546 went out from Chicago September 21, 1960 via Railway express. You should have it before you get this letter.

Enclosed is a sheet that will arrive a little too late to do maximum good, but still may be pertinent. Note particularly the suggestions for setting the speech level and output control pots. Most fellows do not follow these instructions from ordinary reading of the manual.

Work lots of dx and let us hear from you about it.

<sup>73,</sup>  
  
O.M. Carter, W9ADN

When you need an antenna, take a look at the wide choice shown in the Telrex pamphlets. They make the quality antennas in this country (or anywhere).

We are currently quoting \$599.75 for the 100V (plus "paper" trade-in). If any of your friends want one, have them mention your name so that we will know their inquiry is legitimate and not fishing by another dealer.

# Central Electronics, Incorporated

# ~~HS~~  
E 546

A subsidiary of Zenith Radio Corporation

AMATEUR — COMMERCIAL — MILITARY — COMMUNICATION EQUIPMENT

1247 W. BELMONT AVENUE • CHICAGO 13, ILLINOIS • EAsgate 7-7460

March 1, 1961

TO ALL 100V OWNERS:

Our warranty records indicate that you are the owner of a 100V Exciter-Transmitter below serial number 863. If this equipment is no longer in your possession, please forward this letter to the present owner if possible.

100V's below serial number 863 may be transmitting a spurious signal when operating on the 80, 40, and 15 meter bands approximately 40 db down from full output. Although the level of this signal is somewhere in the vicinity of 10 or 20 milliwatts, it is possible to sustain communication for several hundred miles with favorable propagation conditions.

By changing the 12BY7 mixer circuits, these products can be reduced to at least -50 db, and usually to -60 or -70 db.

There are basically three categories of 100V's--those without Rheostats in the mixer circuits from serial 1 through 448; those with mixer rheostats from serial 449 through 862; and all units from serial 863 and up that have mixer rheostats and the improved mixer circuits.

Some units below 448 have had mixer rheostats installed at the factory; however, they may still require mixer circuit revision. These can be identified by the shaft of a rheostat protruding from the right side of the chassis below the first mixer plug-in coil unit. Units below serial 863, stamped with the letter "W" following the serial number, have all the latest mixer changes.

Central Electronics, Incorporated is prepared to furnish, at no charge, the necessary components and instructions for performing these modifications. For 100V's below serial 448 that do not have potentiometers installed, you should request 100V Modification Kit "A". For 100V's below serial number 863 with rheostats that do not have the letter "W" stamped next to the serial number, 100V Modification Kit "B" should be requested. Modification Kit "B" only requires one resistor and one rheostat to be changed.

Adjustment of these rheostats is very simple. Merely adjust them while listening to the signal in a receiver, as described in the kit instructions.

*Ordered modification kit "B"*



TO ALL 100V OWNERS:

March 1, 1961

- 2 -

For those who are not in a position to do this work, Central Electronics will make these modifications free of charge, provided the owner pays all transportation charges. Of necessity, this work must be scheduled and will be performed in the order in which the requests are received. After your reply is received, you will be notified regarding the shipping date for your unit.

The most economical method of shipment is by Motor Freight, and all charges should be prepaid. Any Shipment that arrives collect will not be accepted.

Radiation of spurious products is not limited to the 100V. We have measured competitive equipment and find spurious output signals varying from -35 to -70 db below full output.

The following chart of power level vs. db should be of interest to you:

100	watts	=	0 db
10	"	=	-10 db
1	"	=	-20 db
.1	"	=	-30 db
.01	"	=	-40 db
.001	"	=	-50 db
.0001	"	=	-60 db
.00001	"	=	-70 db
.000001	"	=	-80 db

If you add a power amplifier to the output of the Exciter that has a gain of 10 db to furnish 1 kilowatt output, add 10 db to the level of all of the above figures.

Very truly yours,

CENTRAL ELECTRONICS, INC.



Wes Schum  
Vice President

WS:rs