

TRANSMITTING TUBES

*We rebuild them and guarantee them.
We also guarantee that they will arrive
to you from our Factory without dam-
age. Special crates are the solution
of the Problem.*

We Build a 50-Watt Tube

Type 203, using a Tungsten filament
at 10 Volts and normal plate current
of 150 Mils at 1500 Volts on the plate.
It is low priced at \$20.00.

We Make Rectobulbs

a hi-voltage Rectifier Tube—handles
power up to 250-watt tubes—a small
investment gives you a carefree plate
supply—the note from the Rectobulb
Rectifier is distinctive and pleasing and
gets results—they handle 250 Mils at
3000 volts and have a UX base with
plate Terminal on top end.

Also low priced at \$15.00 each (in-
cludes fuses)

We Produce Inductrons

a short wave coil—sealed in a Vacuum
and with a UX base for plug in—
simple, durable and efficient for your
receiver: coil for each band at \$2.50
each.

WE REPAIR UV-203 at \$15

UV-204 at \$50

UV-203A (Tungsten Fil) \$19

UV-204A (Tungsten Fil) \$50

Water cooled Tubes and Rectifiers: ask for prices.
All work Guaranteed against defects.

No charge for Crates when cash accompanies
order.

NATIONAL RADIO TUBE CO.

(6EX) 3420 18th St. San Francisco, Cal.

(A ham institution)

transmitter will carry across the Atlantic
with R3 when a high-power outfit can only
duplicate the performance with R6. And
R3 is loud enough, if many people want to
listen to it. A low-power short-wave trans-
mitter aboard a trans-ocean plane will al-
most certainly be picked up by stations on
both shores. But it will miss the nearby
ships, if any, and landlubbers a thousand
miles distant cannot do much about a plane
down on the water.

The ideal system would be a combination
of both long and short waves. Immediately
the air-going brethren raise their eyebrows
and say, "more weight." But very little
more weight. Say that a fifty-watt set is
going to be used on long waves. The
generator must supply 150 to 200 watts of
filament and plate power anyway. An
extra 30 watts will not overload it. A
simple but stable (large capacity across
tube elements) 7.5-watt oscillator will
weigh something like a gallon or two of
gasoline, including its single wire Hertz
antenna in the wings. As both transmit-
ters run together and use the same key,
there is no extra trouble in their operation.
The diagram illustrates the essentials of
the idea. I think it worth the serious con-
sideration of anyone who contemplates fly-
ing an ocean this summer.

—William H. Wenstrom, 1st Lieut.,
Signal Corps. U. S. A.

Short Circuits

1001 East Main Street
Madison, Wisc.

Editor, *QST*:

I have recently made a discovery which
I think should be passed along for the
benefit of those who, like myself, wear
metal-rimmed spectacles. Since being
forced to wear them, I have had trouble
in hearing DX signals. I now have dis-
covered that my ears have been shorted
out by the metal frames and that a piece
of spaghetti over each of the ear hooks
removes this difficulty and makes an ef-
ficient and low-loss pair of eye pieces. Of
course, in some cases there is a high re-
sistance short through the skull, but in-
stitutions are provided for such extreme
cases.

—Don Mix.

Appreciative

Box 5
Niagara-on-the-Lake
Ontario, Canada

Editor, *QST*:

I am a beginner and wish to use this
medium for expressing my thanks to all
those who have been QSO nc3AY. With-
out an exception, these operators have been
both courteous and willing to lend a help-
ing hand.

Whether it is that the letters appearing
in the "Correspondence" section of *QST*
are having their effect or not we will prob-
ably never know but I must say right now
that I have yet to meet a snobby operator.

—Albert Davey, nc3AY.