



Ballantine Laboratories, Inc.

C Stuart Ballantine 3XQ *1897-1944* Founder of Ballantine Labs, Boonton NJ - IEEE Fellow member, author, inventor, businessman and esteemed member of the Franklin Institute. Licensed out of Mountain Lakes NJ in the late 20's.

We find Ballantine working for Philadelphia Navy Yard Lab in the war effort WW1 developing the radio direction finder or as they termed it "Radio compass" He left the Navy Yard after WW1.

I find many papers and prolific books pertaining to Radio and electronics for Hams and the industry written by Stuart Ballantine. He was given credit for the following inventions and circuits that helped make the electronics realm what it is today; Vertical antenna theory, Automatic Volume Control, Radio Direction Finding; Negative Feedback & Microphone acoustics.

Stuarts close friend was Mr Loughlin of the Boonton Labs fame. Ballantine was a staunch ARRL supporter and gave many lectures. Ballantine was elected president of the IEEE in 1935, the world's leading professional association for the advancement of technology.

Radio Club of American awarded our subject The Armstrong Medal in 1946 but his untimely death postponed the presentation until 1947 when his close friend Larry Horle at the 38th banquet accepted the award in NYC. As a Franklin Institute Laureate, Ballantine has a award presentation medal given in his name by The Franklin Institute in Philadelphia.



Ballantine was a life long ham radio operator and held several early wireless call signs. His business, Ballantine Labs in Boonton NJ made upper scale test equipment used in the best of research and development circles including college laboratories.

Boonton NJ is an unusual place for electronic industry and a product that I've always been enamored with "Bakelite." The radio industry created a large demand for radio parts and equipment and Boonton became that place that could supply the demand. Places such as R.F Labs, Air Craft Radio Corp - Measurements Corp. and Ballantine Labs.

Doctor Leo Baekeland invented the material called Bakelite and the electronic industry used it with great passion. The cooking industry got a hold of it and the first dinner ware was invented, "Boonton-Ware." Charles Stuart Ballantine 3XQ, thanks for the ride OM. In the July 1944 QST issue, Ballantine was lauded after his untimely death, a Philadelphia boy into radio in 1908 at the age of 10 years old. It was a nice editorial by the ARRL. Ex W8SU 2007