

**Frederic C. Doughty - W3PHL - \*1929-2007\*** Born 22 Jul 1929 in Philadelphia. Eventually of Valley Forge, Pa - Influenced at age 14 with his first ticket. Graduate of Wiedener University with a masters degree. Thus begins the Legend of Fred and double sideband, reduced carrier with 30db of audio clipping and something called “advanced modulation.” This will be a fairly difficult project as my intention is not to belittle Mr. Doughty nor our F.C.C. bear with us.

Fred did a stint in the USAAF probably during the changeover, to USAF in the mid to late 40's. It is believed Fred made a career with AT&T Eastern area for many years working in important positions. He owned and operated Acme Gear and Machine Co.



Fred picked up the moniker Fearless Freddie because of his personal confrontations with the F.C.C. When cited, he told them about his methods of modulation they couldn't measure nor have knowledge of its workings.

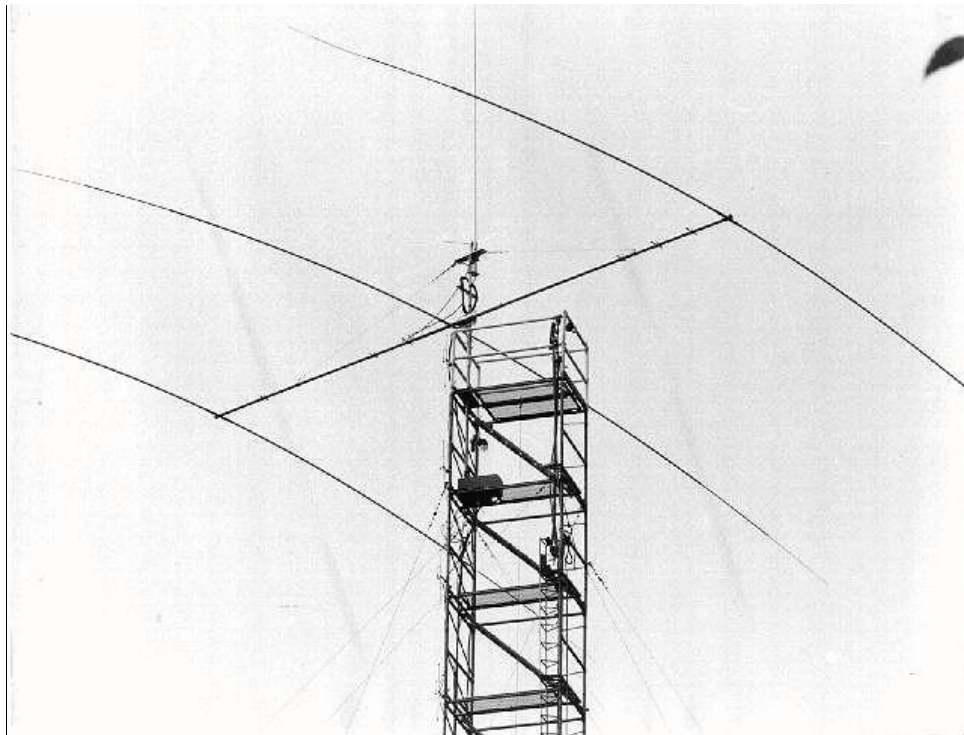
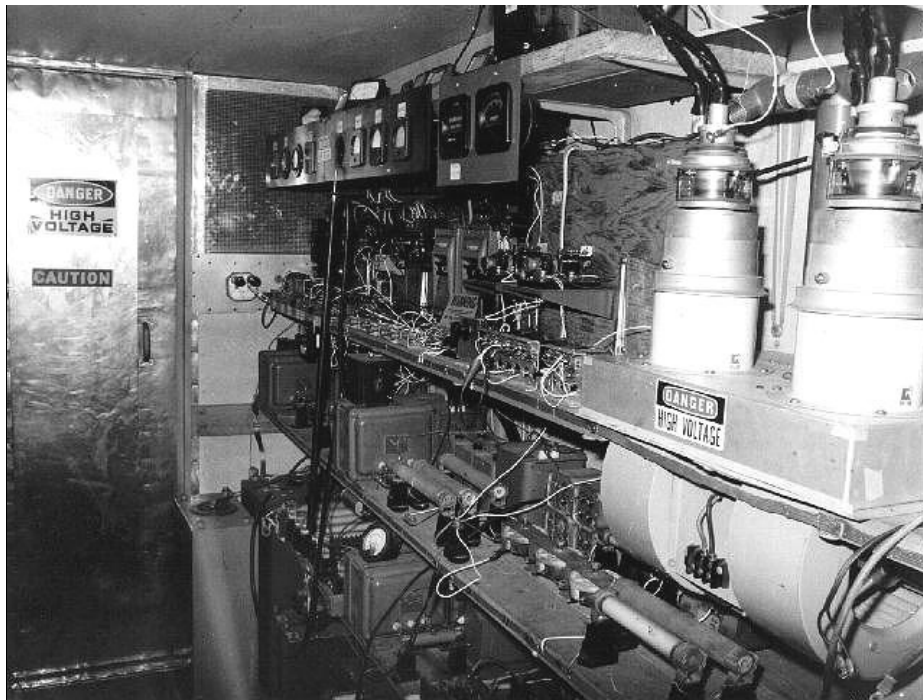
Myself as a budding SWL and amateur in Trenton, NJ in the mid to late 50's Fred's 40M meter phone station would show frequently around 7295. I

am not sure of the times, but when W3PHL was on the air, he could be heard! It seemed he could work easily into VK & ZL zones when the rest of us had no propagation. The harshness of his audio and sideband content made it difficult on adjacent frequencies. A result, many complaints filed from the SSB community.

I had heard of Fred's walk-in modulator closet and RF deck and self designed “Advanced Modulation” station, a process of double sideband reduced carrier. I had not seen pictures of the station, nor knew much about Fred. W3PHL truly belongs in the folk lure of amateur radio history.

It was in the late 90's that I heard from a Cleveland Telco friend that Fred was a telephone company executive and had a country QTH that was quite extensive. Also that Fred was quite sociable and entertained clubs and organizations. He enjoyed hosting VHF/UHF repeaters in the mode of public service. As is true in these cases Fred Doughty had proponents and detractors both pro and con.

The F.C.C. is a formidable governmental body and challenged in recent years. No one operates by their own regulations, they have plenty of teeth now. Continued page two



**Fred's tower was Military Surplus scaffolding with ladders housed inside which resembles the type used on US Forest Service Towers. Fred's super modulation would not be used after 1988 and he cooperated with RACES or repeater systems from his home. Above photo the Advanced Modulation system comprised of two Eimac 3X3000's at 14 KW of Audio. Fred expired at Paoli Hospital, Paoli Pa in 2007. Pictures from the N3EA Tribute file. W8SU 2009**