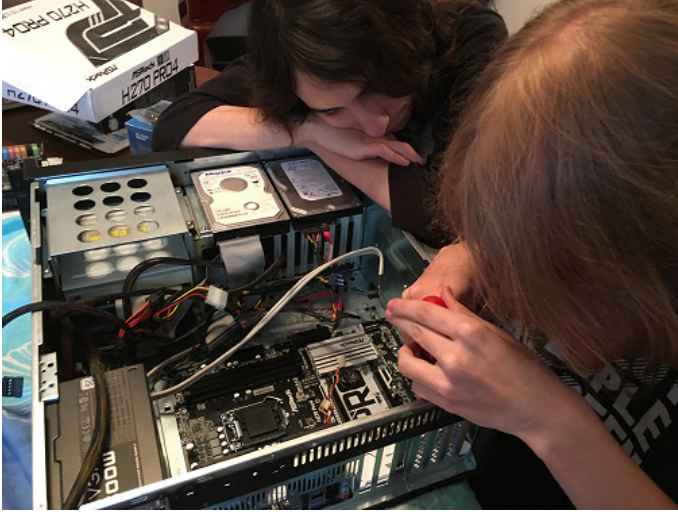


*November* 2017



It has been another busy month here at the KEØVH Hamshack. We have been re-doing our downstairs family room and turning it into a comfortable room with 2 sleeper couches and computer desks for my sons Doran and Aiden to have their gaming computers setup side by side with another TV/Monitor hung on the wall above. Here is Doran and Aiden and with direction from Dad building up one of the computers to be a really super gaming system.



**Installing a new mother board, processor and cooling tower in the Chassis**

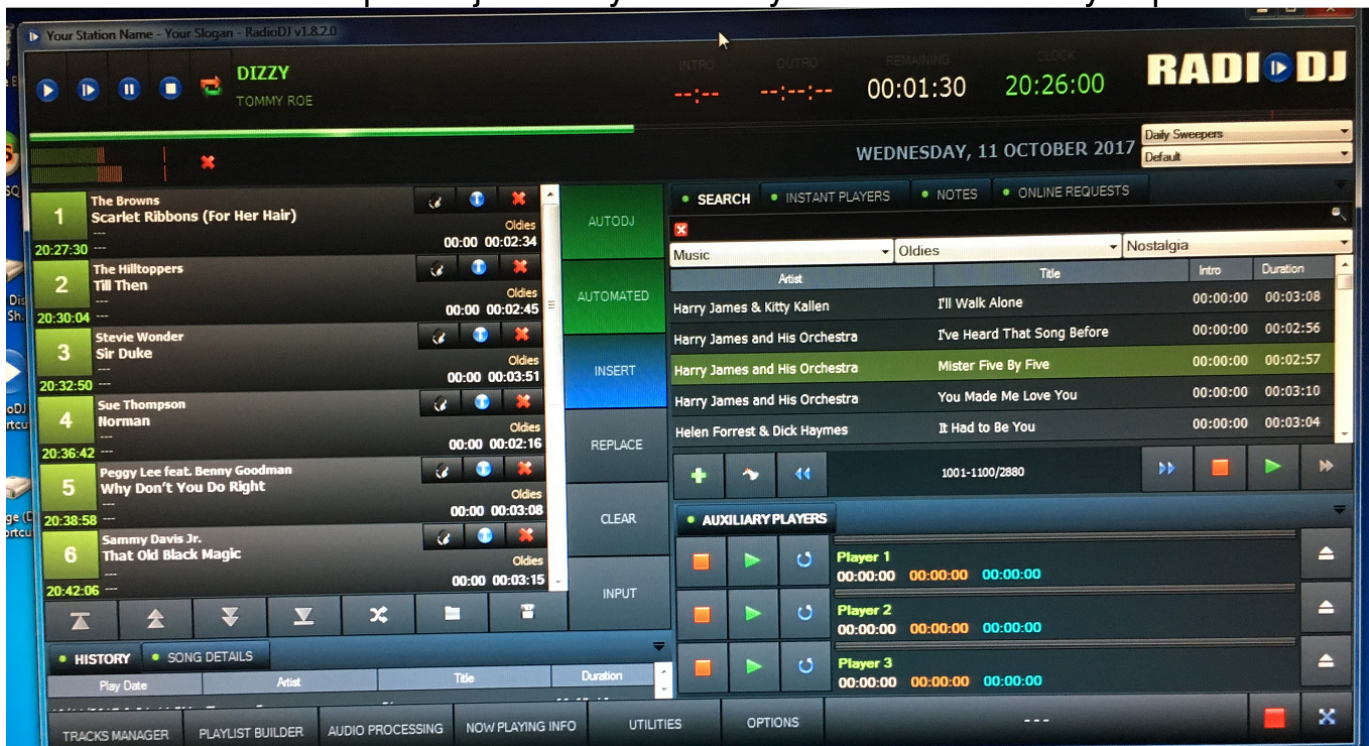


**The guys online gaming down in the “Nerd Dungeon” (they named it!)**

Another project I have had was to get a total automation computer going in the hamshack for playing music thru my little AM Transmitter upstairs to our old tube radios. I rebuilt a HP computer to run on Windows 7 with the “Radio DJ” software available online. It uses an SQL database and is just as fine as just about any “real”



automation software I have ever worked with. When you import songs into the database, it automatically sets up segue-way points on the files that rivals setting up the intro and outro points just like you did it yourself. I am really impressed with it.



The Software playing the Nostalgia format over my little "station"





Another project this month was the long awaited move of the WØKU 449.625 repeater from its location on Lookout Mountain above Golden Colorado to the site on Mt. Chief above Morrison at the same facility that has our K-LOVE KLDV 91.1. This site has better coverage and since Scott WØKU was going to loose his internet connection at the original site. We have one available on Mt. Chief courtesy of Tracy KIØHC that is currently connected to Tracy's 900 Mhz voting receiver. It will be our intention in the near future is to have .625 on both IRLP and AllStar in the next couple of months. We will then have EXCELLENT COVERAGE up and down the front range to the north and south with this repeater and the WØGV 448.975 repeater already on AllStar.



**The old site on Lookout Mtn and the repeater**

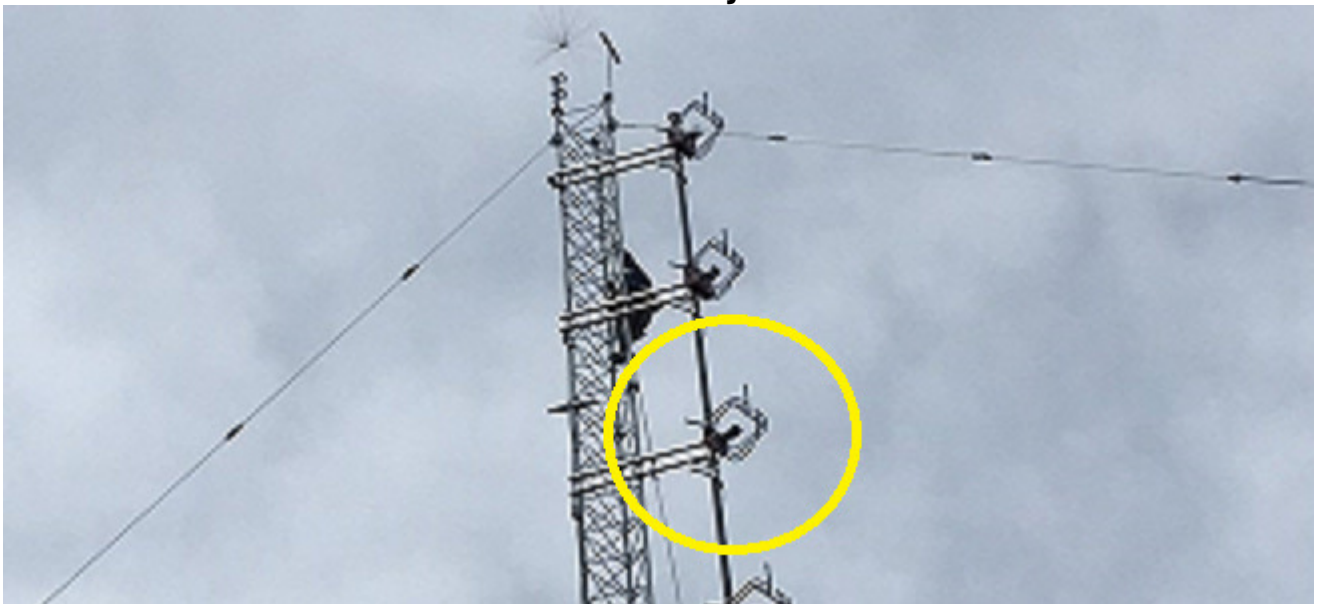


**Robert KC8GPD and Scott WØKU getting the repeater operating**

Our main Denver K-LOVE antenna



**Note the 3<sup>rd</sup> bay down**



Hard to see in this, but the heater element in the 3<sup>rd</sup> bay has totally burnt up. The tower crew took pictures close up on the tower and it really looks as though the antenna is going to have to be replaced because of damage to the bay. More to come on this in a future "Hamshack" article.





Uh OH!

Yep theres the problem. We had a report of my Buena Vista station, 10,800 feet up the side of 14'er Mt. Princeton off air and satellite receiver faults. Note the 1.2 meter dish on the right side of the roof. Got it! There you go!



Meanwhile down at the end of the tower:





**DISH RESCUE READY TO GO!**



Di

### **Does RF flow downhill?**

So I made a trip back up the mountain with Rich to put up another dish, and that day my splitter was missing from my Field Fox kit, so another trip up the mountain after a snowfall was in order, and I ran into this:





And No, I didn't have chainsaw with me, and I was alone this day, so abort mission!



Well long story short, I went back up the mountain with Vic Michaels sons, Adam, Kris and Eric a couple of days later (after they had cut thru the tree above) and we erected a temp tower and got the stations back on the air! They did a TREMENDOUS job



cutting thru the debris of the wreckage and formulating a plan to get stuff back on the air. While they cleaned the site I got the satellite dish aimed and ready to feed the audio to the transmitter. Here are pictures of the finished temp tower.



Kris and Eric working at the base of the temp tower, attaching it to a 5 foot section already in the ground, and Adam attaching our antenna



What a beautiful view, and the final antenna placement on the temp tower.  
**GREAT JOB GUYS!**  
And back on the AIR!





**Our “new” Satellite antenna and remote control temp setup. All is GOOD!**

And finally this month, our VP of Engineering for EMF Sam Wallington visited Denver and I had the pleasure of visiting with and enjoying his company. I also want to thank Barry Thomas of KXKL for giving Sam and I a tour getting a tour of the brand new facility on Mt. Morrison west of Denver. What a beautiful setup. Thanks Sam and Barry for a great week!



**Barry and Sam checking out the KXKL (KOOL-105) transmitter site**





**Yeah pretty cool Barry!**



**Here's RF in your eye!**





Sam visiting the well done rack of Crawfords translators on Lookout Mountain Colorado. Nice job Cris and Amanda!



**The FILTER!**



HAPPY THANKSGIVING ALL!

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**TWO YEARS AGO:**

<http://www.smpte-sbe48.org/wp/2015/11/>

**THREE YEARS AGO:**

<http://www.smpte-sbe48.org/wp/2014/11/>

I will be adding more to my website archives here soon.

**AND**

Don't forget the SBE Chapter 73' Of the Air  
AllStar (and Echolink) Hamnet, every **MONDAY EVENING**  
At 7pm Mountain time (9pm Eastern) for radio discussions, both  
Broadcast engineering and amateur radio.

Details on how to

Join are at <http://www.ke0vh.com/net/net.html>. I hope  
You will be able to join us and share your engineering and  
Ham exploits! 73' es God Be With You!



