

The Tickler

From the Prez.....

Hello folks. Old man winter got us pretty good this last week. I hate winter storm warnings. Be careful out there.

Don't forget that the meeting this month will be held a week earlier due to Christmas. The meeting will be December 17th. Also there will be a small potluck and the club will be furnishing hot dogs and sloppy joes. Please bring a dish to pass.

Board nominations for 3 new board members were made. The following people were nominated: Norm W8TTH, Dick K8GX, Larry W8LNR, and Randy N4UUJ. Election will be held at the next meeting.

Joe K8YZA presented the program last month regarding message communication.

My daughter Tonya KC8DAR finally gave Norm W8TTH and I our second grandchild. She is a little girl and her name is Shyanne Lynn. She was born on December 8th after 23 hours of labor and a C section. Poor momma. Both momma and baby are doing great. Hopefully she and her little cousin, Wesley, will become hams when they grow up a little. You can't ever start too early, but I guess I will wait until they learn to read and that will be a few years down the road.

Make sure you visit the website. Dr. Bob (K2IBM) has done a great job as our webmaster. In case you forgot the address is w8tqe.com. There is lots of neat stuff on the site. There are pictures of your favorite Officers and Board Members. There are also lots of other great photos of events and folks from the club's past. Bob can always use new things to put on the site.

Also, make sure you keep articles and pictures going to Ted (K8AQM) for The Tickler. Remember if you read it, it must be true.

I have had a busy month and that is all for now. Hope to see you at the meeting.

73,
Ginny W8TTX

Report on the Tokyo HY-Power HL-1.2 Kfx Solid State Amplifier

One of the first rules about going on any Dxpedition is “Be Loud”. That means to either take big antennas or some sort of amplifier. My experiences have lead me to take an SB-200, an Ameritron AL-811 and most recently an Ameritron ALS-500 (solid state). All have proven to give a big signal but all have had “issues”. The SB-200 is heavy and has glass finals (572B...expensive); it requires either 110 VAC or 220VAC. The Ameritron AL-811 is lighter than the SB-200 but a bigger profile. This amp also has glass tube finals (811A's) but operates on everything from 100VAC to 240 VAC. N8CC and I operated it on 80 VAC in T88 while in the Pacific. The ALS-500 is solid state, light weight and low profile. The issue with this amp is the need for an outboard power supply, usually two switchers of 90 amps to delivery the full 500 watts. The SWR must be below 2:1 or it shuts down. Most switchers do not deliver the amperage needed for full power.

The solution, hopefully is the Tokyo HY-Power HL-1.2 Kfx. This is a solid state amp delivering 750 watts with a built in switching power supply running on everything from 100 VAC to 240 VAC.

Here is the fact sheet on the amp. The picture below compares it's size to an Alpha 76.



HL-1.2Kfx (FCC approval is pending.)
HF 750W Linear Power Amplifier

Freq.	: 1.8~28MHz all HF amateur bands including WARC bands
Mode	: SSB, CW, RTTY
RF Drive	: 75~90W
Output Power	: SSB 750W PEP max. CW 650W. RTTY 400W
Final Transistor	: SD2933 x 4 (MOS FET by ST micro)
Circuit	: Class AB parallel push-pull
Cooling Method	: Forced Air Cooling
Multi-Meter	: Output P1 1kW, Reflected Power 100W, Drain Voltage Vd 60V, Drain Current Id 50A
Input/Output Connectors	: Type M-J (UHF SO-239)
AC Power	: 1.4kVA max. when TX AC 100/110/115/120V AC 200/220/230/240V
Dimension	: 9.1 x 5.6 x 14.3 inches (W x H x D)
Weight	: Approx. 33 lbs.

Features

- Our solid-state broadband design engineers worked to make the HL-1.2Kfx, the lightest and most compact quasi 1kW HF amplifier in the industry. This world-class compact 750W HF amplifier is the easiest to handle and operate.
- The amplifier's main PA section includes 4 high power MOS FET SD2933's by ST Micro, resulting in 750W PEP (SSB max.) on HF. The amplifier's broadband characteristics require no further tuning once the operating band is selected.
- The amplifier allows operation in full break-in CW mode due to the use of the amplifier's high speed antenna relays (made by Panasonic/Matsushita).
- With the unique duct structure design and the powerful blower fan, the aluminum heat sink block for RF PA module (and other components), are effectively cooled. The fan's quiet operation allows for even the weakest DX signals to be heard.
- The amp utilizes a sophisticated circuit to run the various high speed protection circuits such as overdrive, high antenna SWR, DC overvoltage, band miss-set etc.
- This amplifier is compatible with both AC 230V (200/220/240V included) and AC 115V (100/110/120V included). See the illustration in the AC Power Section for changing primary wiring of the power transformer.
- For the safety of the operator, an interlock system is employed. The AC power is shut down if the top cover is removed, and the automated safety interlock is activated.
- An analog multimeter allows the operator to monitor P1 (Forward output power), Pr (Reflected power), Vd (Drain voltage of power FET), Id (Drain current) etc.



We tested the amp at N8CC's and ran it into a dummy load and through the bands using an IC-765 as the exciter. That's me below getting ready to flip the power on switch for the very first time. No smoke, lots of output and extremely quiet, this looks like it's going to be a great amp for Dxpeditions and would do well in anyone's shack. NU8Z has it's big brother, the HL-1.5 which is full legal limit and has many fine features beyond the HL-1.2. I have to say I am extremely impressed with this amp and it's construction is up there with Alpha



amplifiers. Of course the proof will be it's performance in February when we're in V63! Just listen for that loud DX signal, that'll be us! 73....Ted K8AQM



AARC Club Gossip!

Did you know that...

...K8NP “just wants to dance”? Ask him about it! He’ll even show you!
 ...KG8CO has issues with his ALS-600 amp and sent it back?
 ...NU8Z loves his HL-1.5Kfx Tokyo HY-Power amp?
 ...KG8CO and K8AQM are off to Micronesia (V63) in February?
 ...K8GX knows EVERYTHING about stereo equipment?
 ...WE8Z is having back issues now?
 ...W8TTH has as many radios as K8AQM?
 ...K8AA has a toilet in the middle of his garage?
 ...K8ADM made it another year without getting his big tower up?
 ...W8LNR although retired, still hasn’t hooked up his amp?
 ...K8AQM finally got a cell phone? A “Jitterbug”.
 ...K8TLT is hobbling along on crutches and even made it to Fort Wayne Hamfest?
...YOU don’t want to miss this month’s program?
 ...K8KIC is still going on 10m CW with K8UV and K8GX on Tuesdays?
 ...KG8EF and KB8OXX are in the “housing recovery” business?
 ...Neither KG8EF nor KB8OXX got their antenna work done this year?
 ...KA8SEW has a “herd” of puppies? They’re a lot cuter than KG8EF!
 ...KG8CO ordered and received a Tokyo HY-Power amp like K8AQM’s?
 ...K8UV compared his J-37 key to a “plain hotdog”, no frills?
 ...N8ROR manages to get into his satellite receiver? A first!
 ...poor K8AA is still waiting for his K-3 to arrive?
 ...KG8CO says his 160m pennant listening antenna is great!

AARC Club Minutes

The Adrian Amateur Radio Club Board met at the CAP building on November 26, 2007. President Ginny, W8TTX, called the meeting to order at 7:00 pm. The following were present: Dick K8GX, Norm W8TTH, Larry W8LNR, and Bob K2IBM. Our Secretary was absent. Discussion determined what old and new business needed to be presented at the club meeting. The board meeting was adjourned at 7:30 pm.

The Adrian Amateur Radio Club met at the CAP building on November 26, 2007 with 26 people present. Our Secretary was absent. The minutes from the October meeting were approved on a motion by Harold WA8QPS and a second by Denny WE8Z. The treasurer's report was read by Mark NU8Z and was approved on a motion by Bob K2IBM and a second by Norm W8TTH.

Old business

Discussion was brought up regarding the 2008 club dues.

New business

There was a discussion that the club is in need of a new coffee pot. Margie KB8TMM is going to check on prices and report to the next meeting. There was a discussion led by Mark NU8Z regarding the new band plan proposals.

The December meeting will be held on December 17, 2007 due to the regular meeting date falling on Christmas Eve. There will be a potluck using the left over hot dogs and sloppy joe meat at the December meeting.

The 50/50 raffle was won by Ray W8RAY and was donated back to the repeater fund.

Next month there will be a special raffle for a Repeater Directory and a Handbook. Tickets will cost \$3.00 each.

Board nominations of the following people were made: Norm W8TTH, Dick K8GX, Larry W8LNR, and Randy N4UUJ. Election will be held at the next meeting.

There was a motion to adjourn the meeting by Harold WA8QPS and on a second by Ken K8KIC.

And What Do You Want for Christmas?

So if you can't think of anything you want for Christmas why not ask for a Godzilla Flame-thrower amplifier? Now if these fellows have been good boys they may get their Christmas wish:

A CHRISTMAS MESSAGE FROM GODZILLA

At this joyous Christmas Season the people at Godzilla Products want to extend your family the very best wishes for the Holidays.



May the Brotherhood of Amateur Radio help bring peace on Earth and Good Will toward men.

But, Don't Forget.....

If you want to incinerate your local competitors in the pileups or create havoc in Tokyo during the next contest or most importantly, breathe fire in the pileup then...

YOU NEED A GODZILLA PRODUCTS AMPLIFIER!

"NIGHT BEFORE CHRISTMAS" SPECIALS:

• RF OUTPUT INDICATOR:

(A new product from Godzilla)

This unusual but handy item is made up of neon bulbs arranged to spell out "Merry Christmas".

Use it to tune up your amp and decorate your shack Only: **\$9.95**

• LEAD APRONS:

(For young Contesters/DX'ers who want to have children someday.)

Protects you from excessive amounts of RF Only: **\$19.95**

• GODZILLA 1™ LINEAR AMPLIFIER:

(Uses an Eimac 3CW10,000 tube)

Only: **\$10,995**

This water cooled Monster will cause submarines to surface in the Pacific.

ORDER DIRECT FROM THE FACTORY:

Godzilla Products

Box 69A

Tonganoxie, KS 66217

REMEMBER:

If your lights don't dim when you key the Amp — Your Linear is too small!

THE "MONSTER" JUST WANTS TO HAVE LUNCH!

GODZILLA PRODUCTS EATS EVERYBODY ELSE'S LUNCH ON A REGULAR BASIS!

Chomp!



Crunch!

The FLAMETHROWER 3™ is Now Shipping!

- Only 10 watts of drive to reach legal limit!
- Fan in amp can be used as a central vacuum system for your home!
- Uses (2) Eimac 4CX-10000 Tubes!
- Theft Free - Requires a crane to be moved from your hamshack!
- Safe Double-Shielded cabinet!
- Improved RF Design - Only about 30 percent of our customers go bald!

GODZILLA PRODUCTS

P.O. Box 69A

Tonganoxie, KS 66214

K8AA...my K3 to arrive!

NU8Z...more DX countries to chase and new Flex 5000

K8GX... a mega watt stereo system!

W8LNR...my AL-811 hooked up!

K8ADM...time off from work!

W8TTX...a deer/turkey free year for my van!

K8KIC...more music for my keyboard and cashews!

WE8Z...good health and the road to Florida!

K8NP... "I just want to dance and sing!"

K8UV...hours and hours of straight key QSOs.

N8ROR...no more TVI!

KG8EF...my antennas working!

KG8CO...160m AM rag chews!

N8AMM...my tower and antennas up!

N8CC...more guys coming to operate!

K8AQM...a new shack and 80m xmit gain at N8CC's!

W8TTH... more tools!

K8HCL...I just wanna pic and pic!

KB8TMM...I wanna be President!

N8QEW... a better hidden antenna here in Florida!

WA8QPS...more people to talk to on 2m!

K8KS...more DX on 160m and hot peppers!

KB8OXK... plans to go right in the MQP!

KA8SEW... more puppies!

KC8A... my Echo Link to work!

K8JVV... more time to operate

K2IBM... a contact with SETI!

W8RAY...more QSOs with my vacation G5RV antenna.

KC8DAR...HF for my Harley!

KA8ARK...an HF rig that works on 20m!



Fun From "DX Was"

AN 80 METER CHRISTMAS by WØJLC

John Chass, WØJLC stepped forward and contributed this magnificent verse.

*Twas the night before Christmas and all
through the band, not a station was heard
from near or far land.*

*The verticals were phased, the Bever-
ages were paired—in hopes that the rare
Zone would soon be heard.*

*Then through the ether there arose a
small clatter—I clamped on the headsets to
hear the chatter.*

*Way in the distance, almost covered by
noise—a weak signal appeared as I set poised.*

*The familiar CQ followed a pattern well
known—by my hopes that finally this was the
Zone.*

*The signal built as the sun slowly rose—
when I heard him call, I suddenly froze.*

*My hand was clasped on the Amplifier
switch—I know my voice had a nervous twitch.*

*HSØB—HSØB this is WØJLC.
Zone 26—a Zero Land Christmas wish!*

Due to the shortness of time between issues this month I had to resort to grabbing items from several books I had on hand. Hopefully next month I'll have more input for the paper and can bring the standard back up. It would be helpful to receive some member input to go along with the information I gather.

DX Was is a satire on HF Dxing and published by Mike Crabtree AB0X who is the editor of the Kansas City DX Club.

QLF - A NEW TECHNIQUE IN CW CONTESTING

The popularization of memory keyers has reduced fatigue and improved performance in a long CW operating session. Operators were given just a few seconds more to log and dupe contacts. A new technique gained popularity and spreading around the country that allows the operator free hands the whole time he is sending. This operating procedure is called QLF. The operator sends and activates the keyer with his bare left foot. The left foot is used for the sending. The right foot should remain shoe covered and free to activate the foot switch. QLF obviously requires some coordination and motor skill, but it is surprisingly easy to learn. QLFers even admit to using straight keys with their left foot until their muscles are built up and used to the rapid movement needed to send high speed CW. The paddle should be gripped between the big toe and the index toe. Dexterity exists between these toes if the sender will bend or scrunch them together. The memory keyer should be placed on the floor because the big toe is used to punch the buttons on the keyer and activate the memories. QLF operators will have more time to log accurately while experiencing less general fatigue during a long contest. Disadvantages to QLF are that the heat must be turned up a little higher in the shack during the Winter. If you want to improve your speed and accuracy in the Contests you should seriously consider learning the QLF technique. Several KC DX Club members have been sending with their left foot for years.

SAVING THE ARRL DXCC PROGRAM by WDØSRI

The Royals' game had just started and I had just gotten comfortable in my recliner in front of the TV, when the door bell rang. I had hoped for a relaxing evening but I found Elmer, WDØSRI, waiting on my doorstep. He had a big grin on his face and a stack of nautical charts under his arm. Some how I had the feeling I was in for a long evening! On our way to the shack we picked up a couple of cool ones to aid the almost certain discussion to follow on the state of the art of DX. Elmer plopped himself down at the operating desk and quickly scanned through the station log. "Just as I thought!" he exclaimed. "Huh?" was all I could get out before he started. "You haven't worked a new one in months. The DXCC program has a built in obsolescence for the skilled DX'er. The more countries you get the less you have to look forward to working!" Dramatically he said, "You have worked yourself out of one of the activities you do best and enjoy most."

*"Just make all the oil
well drilling platforms
that are spread out in
the oceans count as
separate DXCC
Countries."*



Yes, the DXCC awards program has a fatal flaw." I had heard the argument many times before and wondered why Elmer had such a strange grin on his face after such a serious statement. I urged him on, "You must have a solution, right?" "I sure do," he exclaimed! "What countries to work to keep us actively Harvey, NØLID, have come up with a great new idea that will save DXCC!" What we DX'ers need is a whole lot more places involved in our pursuit. "How are you going to create a lot more countries without drastically changing the DXCC rules?" I queried. "Easy" replied WDØSRI, "Just make all the oil well drilling platforms that are spread out in the oceans count as separate countries. Just one simple rule change and we could have over 2000 new countries to work overnight!" Completely dumbfounded by this radical proposal, I said, "Tell me more." "Just think what a boon to DX this would be," he said seriously. The ARRL would have to get some new stickers for the awards, I just smiled and said, "That's no big deal!" "Just look at these nautical maps that Harvey got at work that show where each offshore drilling platform is located" he said as he unfurled a large map of the North Atlantic. "Wow" I said in veiled sarcasm "It would only take 2307 countries to get on the Honor Roll under your new plan." "Yeah, the Honor Roll would really mean something then. Also, just think of all the new DXpedition possibilities this would open up," Elmer quipped. "Well," I said, "maybe you should write up your ideas in a formal proposal and send them in to the Awards Committee at the League. They're always looking for new ideas from League members." "Oh, we plan to as soon as possible," he explained as he rolled up his maps to leave. As WDØSRI drove away I said, tongue in cheek, "Hope Don Search likes your idea to save DXCC!" Later that evening as I listened to idle chatter on our 2 meter DX net frequency I tried to imagine what it might sound like if WDØSRI's proposal was adopted. "Yeah, I worked Exxon #397 today on 20 CW... Texaco #121 is supposed to get on for the contest... Phillips #269 has just put up a new 160 antenna..." "Sorry Elmer—I don't have that good of a DX imagination!"

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Local Area 2 Meter Net and 10 Meter Chats

Sunday 9:00 p.m. The ARES Net on 145.370 - Ken, K8KIC -Net Control
Tuesday 10 Meter CW Local Chat at 8:00 p.m. on 28.050 +/- QRM
Tuesday and Thursday 10 Meter Local Chat 9:00 p.m. on 28.325 +/-QRM

Local Area Repeaters

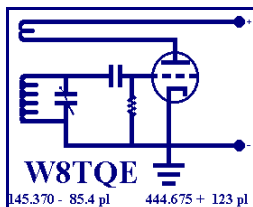
W8TQE 145.370 - 85.4 pl Adrian, Michigan
W8TQE 444.675 + 123 pl Adrian, Michigan
K8ADM 443.375 + 107.2 pl Adrian, Michigan
K8ADM has access to Echo Link

Adrian ARC 32th Annual Hamfest and Computer Show

September 16, 2007
Hamfest Chair Ray, W8RAY Marge, KB8TMM

AARC Web Page and E-mail Reflector

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First Class