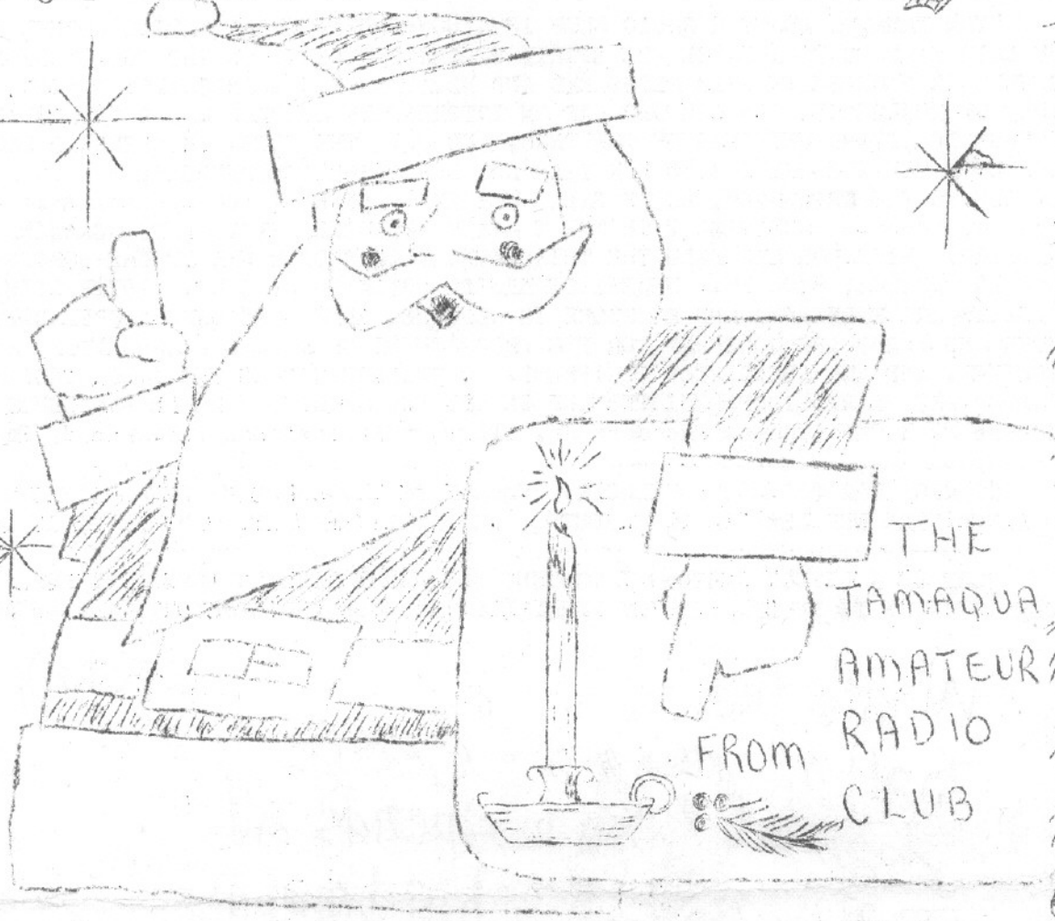
Season's Greetings



" MERRY CHRISTMAS "

RUMANIA	Sarbatori Serioite
SCOTLAND	Merry Christenmass
NETHERLANDS	Vrolijk Kerstmis
PORTUGAL	Feliz Natal
GREECE	Kala Christougena
RUSSIA	S Rozhdestvom Christovom
SWEDEN	Glad Jul
NORWAY	Gledelig Jul
GERMANY	Froeliche Weihnachten
ITALY	Buon Natale
LITHUANIA	Linksmu Kaladu
CZECHOSLOVAKIA	Vesele Vanoce
IRELAND	Nodlaig Mhaith Dhuit
POLAND	Wesolych Swiat
ENGLAND	Merry Christmas
AUSTRIA	Froeliche Weihnachten
FRANCE	Joyeux Noel
YUGOSLAVIA	Scretan Bozic
FINLAND	Hauskaa Joulua
BELGIUM	Zaligen Hoogdag (FLEMISH) Joyeux Noel (FRENCH)
SPAIN	Felizes Navidades
DENMARK	Gladedlig Jul
SWITZERLAND	Froeliche Weihnachten (GERMAN) Buon Natale (ITALIAN) Joyeux Noel (FRENCH)
HUNGARY	Kellemes Karacsonyi Unnepeket

ESPERANTO (the Universal Language) Gajan Kristnaskon

DECEMBER 1956 S A R D I N E W R A P P E R ARRL AFFIL.

VOLUMN 2 NO. 14

3860 KC FONE --- CLUB FREQUENCIES --- 3700 KC CW

THIS IS OUR ANNUAL CHRISTMAS ISSUE OF THE TARC SARDINE WRAPPER PUBLISHED IN THE INTEREST OF " HAM RADIO ". THIS WRAPPER IS OF, BY AND FOR AMATEUR RADIO.

"THE TAMAQUA AMATEUR RADIO CLUB IS A NON-PROFIT ORGANIZATION FORMED IN THE LATE FIFTIES TO ADVANCE THE SPIRIT OF AMATEUR RADIO IN THE COAL REGIONS AS WELL AS FURNISH TRAINED PERSONNEL AND METHODS OF COMMUNICATION DURING TIMES OF EMERGENCY. ANYONE WHO HAS AN INTEREST IN AMATEUR RADIO IS ALWAYS WELCOME TO ATTEND MEETINGS OF THE TARC, AND JOIN THE CLUB. MEMBERSHIP FEES FOR ADULT MEMBERS ARE $ 3.50 PER YEAR AND FOR ASSOCIATE MEMBERS, $ 1.50 ALL PAYABLE TO THE TREASURER, BUDDY SARLI W 3 ZXF, 165 R, (164 Spruce, Street Tamaqua, Penna.) MEMBERSHIP IN THE T A R C INCLUDES THE MONTHLY "SARDINE WRAPPER". MEETINGS ARE HELD THE THIRD MONDAY OF EACH MONTH AT THE BOROUGH HALL IN TAMAQUA, 8:00 PM. UNLESS OTHERWISE NOTIFIED BY CARD. INTERESTING PROGRAMS ARE FURNISHED AND EVERYONE IS WELCOME. THE TARC OWNS A GRID DIP METER AND PLANS ARE UNDERWAY FOR THE PROCUREMENT OF A NAME BRAND XMTTR, AND RECEIVER, AND ALL ASSOCIATED EQUIPMENT. CONTRIBUTIONS TO THE TARC SARDINE WRAPPER ARE HEARTILY APPRECIATED AND IN ALL PROBABILITY WILL BE PUBLISHED. Address W 3 COW (Thomas Theodore Jr. 113 West Patterson St. Lansford, Pa.)

SO MUCH FOR THE ABOVE FELLOWS. PLEASE TRY AND SEND ME YOUR MATERIAL NO LATER THAN THE 15th OF EACH MONTH. NO MATTER WHAT, WE CAN USE IT ALL.

HERE IS A LITTLE CARTOON I THOUGHT YOU MIGHT LIKE TO SEE. THE ART WORK ISN'T UP TO SNUFF, ITS THE MORAL (if any) OF THE STORY..... W 3 COW



THE RADIO WIDOW



FELLOWS OUR WRAPPER WOULD NOT BE COMPLETE WITHOUT A POEM I READ THE OTHER DAY. I CERTAINLY HOPE YOU ENJOY IT AS MUCH AS I DID.....W 3 COW

H U S H, A L L Y E S O U N D S O F W A R

Hush, all ye sounds of war,
Ye Nations all be still,
A voice of heav'nly joy steals
over vale and hill,
O hear the Angels sing the
captive world's release,
This day is born in Bethlehem
The Prince of Peace.

No more divided be,
Ye families of men,
Old enmity forget, old friendship
knit again,
In the new year of God let brothers'
love increase,
This day is born in Bethlehem
The Prince of Peace.

By ... wm. H. Draper

READY FOR CONELRAD????? IT HAS BEEN A FULL YEAR SINCE THE F C C ADOPTED THE PLANS TO REQUIRE AMATEURS TO PROVIDE SOME MEANS OF MONITORING THE BROAD CAST BANDS TO INSURE YOUR STATION'S SILENCE IN THE EVENT OF CONELRAD ALERTS. AS REPORTED IN Q S T FOR LAST FEBRUARY THESE NEW RULES BECOME EFFECTIVE..... JANUARY 2nd, 1957..... THIS IS BY WAY OF BEING A 30 - DAY REMINDER THAT YOUR STATION MUST NOW HAVE SOME METHOD TO MONITOR THE BROADCAST BAND CONTINUOUSLY OR AS A SUBSTITUTE BE SURE BEFORE GOING ON THE AIR AND BY CHECK EVERY TEN MINUTES THEREAFTER THAT THINGS ARE " NORMAL " OR "NON-ALERTED ".....

WE HAVE MADE A SLIGHT STUDY OF CONELRAD.(W3COW) that is what issues dealt with it) I HOPE THE LIST BELOW WILL SAVE YOU THE TROUBLE OF LEAFING THROUGH YOUR BACK COPIES. PERHAPS YOU HAVE A SPECIAL PIECE OF EQUIPMENT OR METHOD OF DEALING WITH ... CONELRAD ... WRITE IT UP FOR YOUR BROTHER HAM'S. DON'T FORGET TO SEND ME A DIAGRAM AND PARTS LIST BY THE 15th OF THE MONTH.....

QST CONELRAD FOR AMATEURS

1. APRIL 1953 Page 9
2. SEPTEMBER 1953 Page 17
3. AUGUST 1954 Page 46
4. AUGUST 1955 Page 31
5. OCTOBER 1955 Page 47
6. JANUARY 1956 Page 34 Conelrad Compliance (Grammer)
7. FEBRUARY 1956 Page 38 Docket 11488 (Happenings of the Month)
8. JUNE 1956 Page 17 Conelrad Alarm Circuits
9. NOVEMBER 1956 Page 21 Audible/Visible Conelrad Alarm (Chambers)
10. DECEMBER 1956 Page 40 Conelette (Lukoff)

CQ 1. MARCH 1956 Page 17 Simple, Tubeless, Conelrad Monitor

WE ALSO LOOKED THROUGH "THE RADIO AMATEUR HANDBOOK" FOR THE YEARS 1954 AND 1955 BUT FOUND NOTHING ON CONELRAD. HAD NO 1956 issue SO CANNOT REPORT. WE HAD ON HAND "GE-HAM NEWS" JANUARY 1951 to DATE. NOTHING TO REPORT. THE 14thEDITION "RADIO HANDBOOK" PRODUCED NOTHING ON CONELRAD. WELL FELLOW'S THE REST IS UP TO YOU OR MAYBE YOU HAVE YOUR JOB DONE????? W3COW

FCC REGULATIONS: Section 12.135 , FREQUENCY MEASUREMENT AND REGULAR CHECK. THE LICENSEE OF AN AMATEUR STATION SHALL PROVIDE FOR MEASUREMENT OF THE EMITTED CARRIER FREQUENCIES AND SHALL ESTABLISH PROCEDURES FOR MAKING SUCH MEASUREMENT REGULARLY. "THE MEASUREMENT OF THE EMITTED CARRIER FREQUENCY SHALL BE MADE BY MEANS INDEPENDENT OF THE MEANS USED TO CONTROL THE RADIO FREQUENCY OR FREQUENCIES GENERATED BY THE TRANSMITTING APPARATUS AND SHALL BE OF SUFFICIENT ACCURACY TO ASSURE OPERATION WITHIN THE AMATEUR BAND USED". - - - - SO BROTHER HAMS WHAT DO YOU HAVE AVAILABLE BESIDES AN OLD ABSORPTION TYPE WAVE METER AND A CRYSTAL TO SEE THAT YOU ARE IN THE BAND....W 3 COW (SEND IN YOUR ARTICLES ON THIS ONE ALSO FELLOWS)

HELPING HAND: ANYONE GOING ON VACATION AND WHO WOULD LIKE TO HAVE THEIR TRANSMITTERS AND RECEIVERS STORED (must be in good working condition) CAN MAKE USE OF W 3 COW's BASEMENT. I GUARANTEE TO OPERATE THE EQUIPMENT AT LEAST ONCE A DAY --- 6 meters --- JUST TO MAKE SURE IT IS IN OPERATING CONDITION, OF COURSE. I WOULD PREFER, OF COURSE, TO STORE EQUIPMENT FOR SOMEONE GOING OVERSEAS FOR TWO OR THREE YEARS. THE WORD "STORE" IS USED VERY LOOOSELY --- THE EQUIPMENT WILL BE OPERATED VERY OFTEN...PROVIDING THE ELECTRIC BILL DOESN'T GET TOO HIGH AND THE XYL DOESN'T MISS ME TOO MUCH. (Being away from her you know) W 3 C O W.....

CONSTRUCTION: IN ANY RADIO HANDBOOKYOU WILL FIND A LIST OF TOOLS REQUIRED FOR CONSTRUCTION WORK. YOU CAN GET BY ON LESS, OF COURSE, BUT TRY AND BUILD UP A TOOL--KIT FOR YOU SELF THAT WILL LET YOU WORK PROPERLY AND EFFICIENTLY. BUY THE BEST TOOLS YOU CAN AFFORD. YOU WILL NEVER BE SORRY ABOUT THE EXTRA 35 cents YOU PAID FOR THE GOOD DIAG. CUTTERS, FOR EXAMPLE. WHEN YOU HAVE SOOME GOOD TOOLS ASSEMBLED, MAKE SURE YOU TAKE CARE OF THEM. DON'T THROW THEM AROUND LIKE SO MUCH JUNK. NOTHING IS MORE DISCOURAGING TO USE THAN DULL CUTTERS OR CHIPPED BLADE SCREW-DRIVERS. AND ABOVE ALL E ELSE REMEMBER YOUR NEIGHBORS OR YOUR BROTHER HAM'S EQUIPMENT IS OF GREAT VALUE TO HIM. IF YOU HAVE IT, RETURN IT AS SOON AS POSSIBLE, AND WHILE YOU BORROW IT, TREAT IT WITH RESPECT.

NOW LETS START TO BUILD SOMETHING. A TWO-TUBE TRANSMITTER FOR INSTANCE. YOU BOUGHT A CHASSIS OF THE PROPER SIZE AND LEFT IT, I HOPE, IN ITS PROTECTIVE WRAPPING. YOU HAVE ALL THE PARTS AND YOU JUST CAN'T WAIT TO START CUTTING UP THAT BRIGHT NEW CHASSIS. DON'T DO IT YET. ALL CONSTRUCTION IS DIVIDED INTO TWO PARTS. MECHANICAL - AND - ELECTRICAL. FINISH THE MECHANICAL PART FIRST. SET OUT THE PARTS THAT BELONG ON THE TOP OF THE CHASSIS. USE A SQUARE TO ESTABLISH THE MOUNTING HOLES FOR ANY VARIABLE CONDENSER. REMEMBER THAT WHEN YOU PUT A PANEL ON THE UNIT THOSE CONDENSER SHAFTS MUST BE AT RIGHT-ANGLES TO THE PANEL OR THE CONTROL KNOBS WILL BE AT A HORRIBLE ANGLE TO THE PANEL AND THEIR SKIRTS WILL NOT SNUG UP AND LOOK TIDY. REMEMBER, ALSO, THAT SOME PARTS HAVE TO BE MOUNTED UNDER THE CHASSIS AND PROBABLY ON THE FRONT AND REAR CHASSIS DROPS. TO BE CONTINUED.....(Stolen from where I can't remember)..W3COW

Receiver Hash..... By W3KJJ

Glad to see Roy, W3ZPW at the last TARC meeting. Roy has not been too active lately but manages to get on 75 meter foney with the boys on weekends.

W3FLJ has worked some DX on 20CW but a good neighbor of his turns on some electrical gadget and puts Bill out of business most of the time, a bad case of neighborhood interierencetitis or sumpin Hi.

W3EEK has built another ether buster.... a 'lil 13 watter so I guess the neighbors around the Gay St. section won't mind that so much.

Now that football season is over we sorta expected to hear W3ZXF on but we understand that he now has a bad case of YL'itis, boy that stuff is tuff on the younger group of hams.

Wonder when W3CMA is ever going to get off 75 meter foney and start trying the other bands, come on Tony, lots of fun down on 20 bucking the KW gang.

WN3IGF from Coaldale way has been active on the 80 meter novice band working some of the locals. Understand he is using a 6146 in the final.

No word from WN3IOA as yet. We are waiting to hear some signal from up Hunter St. way, come on Reilly, get that speed up for that General.

Sorry to hear that W3CUK is leaving Tamaqua, he has been transferred to Coatsville, Pa. and by the time you read this he will be in his new QTH. Good luck with your new job and keep looking for the gang with that new DX35 you got going.

Haven't heard anything from W3RZV, guess the Xmas rush at the Post Office will help cut down Tex's operating time. Last time we heard him was on 10 meter foney.

Wonder when W3COW will get on 6 meters with that new Technician ticket of his, understand that band is going good these days but so far no one from those parts use that band. Guess the COW will be a 6 meter pioneer around here.

Nothing to report on activities from up Hometown way....W3YZS. last we heard he was on 10 meter mobile.

W3ZRQ is busy with the AN net and 75 meter foney so we dont hear him down on the DX bands so much lately. Al has been doing dome work on the rig, chasing some of the T I bugs out of it.

W3KJJ was QRT for several days after the SS, but now that he has his wind back is rolling up the totals on the DX bands again.

Locals heard and worked during the SS Contest were W3ZRQ, EEK, FLJ es KJJ.

W3KJJ had 245 contacts, 52 districts in 13 hours. W3ZRQ had 90 and 15 no report on FLJ or EEK totals.

W3ZRQ has a new Freq meter and does a swell job.

SWL Lattanzi from Brockton has his ARC-5 receiver going now, rig next?

How many of the gang are started on their CONELRAD indicator or alarm system? Tex, W3RZV is working on his now. He is using a circuit from one of the recent issues of QST mag.

Merry Christmas and a Happy New Year to all de W3KJJ.

DX.....By W3KJJ

Now that the Sun Spot activities has made the Ham bands good for DX again, We thought it would be fine and fitting to revive this DX column again so here goes.

W3ZRQ is now 30-20, meaning 30 countries worked and 20 confirmed.

Some of Al's latest include UA3,OZ,SM,PY,CN,IT es PY. Mostly on 40 es 20 CW bands. Al runs 300 watts to a Trap doublet antenna.

W3FLJ has 11-2 and reason for low confs due to just working most of them the last few weeks. Bill's latest include G,F, es VP6. Bill works most of his DX on 40 es 20 CW. He is running 200 watts to a 5514 final es center fed tuned doublet.

W3RZV has an 8-5 log and some of Tex's latest include KZ5,VO, G es DL.

W3EEK is 8-4 es Carls latest include, G,KP4 es CM. and he runs 65 watts to a center fed tuned doublet.

Tex runs a B&W 5100 and a center fed tuned doublet. Mostly on 10 Fone.

W3KJJ now has 167-145 and some of the latest include VP8 Falklands, VP8 South Georgia, KR6, DU es ZK1.

Karl runs 600 watts to a 4-250 A and for rare DX uses a vertical ground plane antenna and for other DX a trap doublet. All bands are used for DX from 80 to 10.

The Far East DX Stations have been coming thru at the following times on the 20 Meter CW Band. 8-11 AM, 3-4PM, 6-8 PM, and again around 3 AM.

Lots of fellers are missing a good bet by not looking for some of those LU-Z es VP8 calls down in the Antartica Regions. They are usually worked from 6 to 10 PM on 20. and a little later on the 40 meter band. Of course European Stations come thru most any time now. South Africa usually comes thru from about 3 to 6PM on 20 and around midnight on 40. South America Stations come thru all evening on both 40 es 20. Australia es New Zealand come thru around mid to 3 AM on 20 es again around 8 to 10 AM. On 40 they start comming thru at mid-3 AM es again arou -nd 6-9AM. Some times they can be worked at 4PM on the 40 Meter band byt not often. Most of the DX on the 80 Meter Band starts coming thru about 10 PM es con- tinues to about 3 AM. New Zealand usually comes thru at about 3 AM on 80 es European, North Africans es South Americans earlier. Most of the DX on 80 is workedaround 3500 Kc end tho some DX fone stations are usually heard right outside the low end of our DX 75 meter fone band. 15 es 10 meter bands are about the same you can work DX most of the daylight hours. That about rounds out the DX for this month and if any of you fellers have some interesting dope on DX, passit along to this column es we will make sure its in here.



THIRD ANNUAL TARC BANQUET

JAN. 26th

THE BANQUET COMMITTEE REQUESTS THAT YOU HAVE YOUR RESERVATIONS ($ 3.00 ADULTS - $ 2.50 STUDENTS) IN NO LATER THAN JAN. 12th TO BE ABLE TO ATTEND —— TURKEY - FAMILY STYLE - PRIZES AND MORE PRIZES

MORE DOPE ON OUR BANQUET IN OUR NEXT ISSUE FELLOW'S. HPE TO CU THEIR.

NEW EQUIPMENT: WEST HAZLETON ELECTRONIC'S 120 North Broad St. West Hazleton, Pa.

WELL FELLOWS NO LONGER NEED YOU TRAVEL LONG DISTANCES FOR HAM EQUIPMENT. NO LONGER NEED YOU PAY LARGE SUMS FOR FREIGHT. STAN KNOSAL of West Hazleton Electron -ic's has just received a COMPLETE LINE OF NATIONAL RECEIVERS AND SPARE PARTS. Run up to West Hazleton and see good old Stan and tell him you seen it in the SAR* DINE WRAPPER. W 3 COW

THE LAST WORD - BY W3ZRQ

Due to sum heavy persuasion I finally broke down and am writing an artice for the "Wrapper". In a few words I hope to cover a number of items. # 1. Our C D set-up in Schuylkill County. You know as well as I do that politicaly this county is tied up in red tape as far as CD is concerned. To this "We" the ham operator can do nothing. BUT-Should we work out some type of practical plan with what equipment we have on hand I'm sure we can shame some of our County Fathers to CD consious es give us a little support. Talking of support; do u remember the obligation we made when I took over as Key Station for the East Able Fox CD Net for this County? To date vry few of us have held up on their part of the bargin. On fone we meet every Sunday AM,0830,EST on 3997 Kc. To the CW op, call into the net on 3503 Kc at 0900 EST. Wat Sa? It only takes a half hour of your time. # 2. Regards the AN Net. For the past 2 month now the Anthracite Net has not been to active. I have tried to act as NCS as often as my limited time permitted. I make an appeal to all former members to give your support agn. After Jan. 1, I shall take NCS for Mon. Wed. es Fri. If es when net members can take other nites we shall go back to a reg. sked. New members are always welcome to report. Don't forget 3610 Kc 1900 EST C U AN. # 3. "OUR CLUB" First, every member should read our Charter hanging in Borough Hall also "The Amateur's Code" page 8 of ARRL Handbook. es Third; read our Constitution and By-Laws. Then take stock of yourself and our club. (MERRY XMAS-HAPPY NEW YEAR)

73's