



CROSSTALK

Official Publication of the Gloucester County Amateur Radio Club
September 1993



President's Message

Some years ago, I was a manager in a public accounting firm. My speciality was Management Advisory Services (MAS). I helped clients build and expand their businesses. Additionally, I worked to start a area of consulting services that few, if any, firms did at that time; consulting for other CPA's and their clients.

I also spoke at various seminars on MAS implementation and the use of computers (a real stretch, eh?). Along the way of teaching, I learned a great deal. One of the best lessons I learned was that each business or organization has a "personality". Even today, with my own business, I see how varied the attitudes, methods and personal interaction are. At one client's, they always buy lunch for me. At another's, it has never been offered. Both are happy with me and the services I provide, it is just a difference in personality

Along with that comes the plan(s) or vision(s) of an organization and its members. In the early 80's I was invited to assist a New York firm in starting their own MAS department. While being given the "nickel tour" of some extremely lavish and spacious offices, I was shown an empty room sealed with sliding glass doors.

I guess "empty" is a poor choice of words. The room was brightly light with some rather nice photographic art decorating the walls. Also, the room had a 'floating floor' and a halon fire suppression system. Yet, there was no furniture, no people and no activity. When I asked what it was for, I was told it was the computer room. Although they didn't have any computers yet, when they did get some, they would go in this room. In a way, it was a shrine to a vision that nobody had acted upon.

Our club has a resource that is severely underutilized. Affectionately known as 'The Site', it is a mobile home that was donated by one of our members and sets at the 4-H fairgrounds. Perhaps you saw it when you attended the Hamfest. Sadly, it is used about 14 days per year. In a way, it is a shrine to our clubs vision.

Why? It costs thousands of dollars per year to maintain and own. The Board of Directors meets there 12 time per year, and Field Day accounts for the other two. Other than that, not much happens out there. Many people have had ideas, visions and plans, etc., to truly utilize this resource. Have any become a reality?

There are many reason that could be offered to explain why this is. I've heard most of them and don't really believe they are insurmountable problems. While I don't think it is realistic to expect to hold General Membership meetings there, (unless we all stand()) there are many other things we could be doing to make this an asset to our club.

However, it is not currently much of an asset. It is more of an expense. From my own opinions and those others have shared with me, here is my vision of what I would like to see.

A weekly informal meeting or 'get together' where members can discuss DX and technical issues, provide continuing education, code practice, socialization, etc. Two radio shacks; one for HF work the other for VHF and up. Support for special modes that club members have expressed and interest in such as satellites. The operating positions would also have facilities for members to bring their own, familiar, rigs and use the club's antennas. Classroom-like training session for school-age children that may not be able to go all the way to Bellmawr. How about picnics and other family oriented activities? Get the idea? Then we would really be using this resource. It would be an investment in our club and it's members.

Before any of this can happen, though, we need to commit ourselves to make it happen. I don't expect to have every member to make use of it anymore then I expect every member to attend meetings. While getting to this point may be thought of as a long term project, it is really more of a way of doing things, since a project has a beginning and an end. This 'way of life' would be an on going and evolving experience.

Of course, there are two other possibilities; we can continue to pursue 'business as usual' and prolong things the way they have been, or, we can simply get rid of it.

Personally, I don't see any good reason for continuing with things the way they are. I also think we would be foolish to dispose of what should be a valuable asset. While it would be easier to continue to ignore the situation, we would be irresponsible for doing so. There are many amateur radio clubs that would *LOVE* to have what we have. Why should we take it for granted?

Would improving things at the site cost money? Yes, but at least we could be getting some return on our investment. The amount of money we have in the bank is only one way to measure our club's success. A better one, perhaps, is found in how we measure the benefits this organizations offers to it's members and they way it's members contribute to the organization.

Can one person fulfill this vision alone? Not unless Clark Kent becomes a member. It will require individual effort and teamwork. It will take time. It will demand leadership and commitment from all those involved. The kind of leadership and commitment I have seen from many people this year. The kind of vision and concern that have emerged from many of our newer members. The kind of foundations our long-standing members have built. The kind of results we have lauded throughout the year.

We stand at virtual crossroads. We can turn "The Site" into "Our Clubhouse" or, we can save our energy, concern and skills by eliminating the resource. It is up to each of YOU. What do YOU want to do? What decision (s) do YOU want to make? What is YOUR vision for this club?

I hope to see YOU at the meeting. It may prove to be an interesting one.

September Program

Ever wonder about...

- the different courtesy tones on the repeater
- getting in contact with the police in an emergency
- placing a call via the repeater
- reporting misuse of the repeater
- or better yet, just what the heck is a repeater?

Well thanks to Chuck, WA2TML, you will have these and any other repeater related questions answered at the September meeting. Bring your questions, and a pencil & paper to take notes.

This is an especially good program for the newer members of the club and to those who are new to amateur radio. However, it is also good for us old timers who have been both in the club and amateurs for a while. New technology and all that!

See you at the meeting!

73,

KN2U, Ken
Vice-President

Who Really Reads The CROSSTALK ?

It has been brought to this editor's attention by a number of individuals, that the President's message from last month may have been unwise. Not that it was wrong, or not well presented, but rather, that it might have given some ideas to those individuals who are not to bright in the area of terrorist activities.

It is not now, nor has it ever been the intent of this newsletter to educate anyone in anything other than club news and items of interest to the amateur radio community. We apologize to those who were concerned and shall endeavor to present only educational information of interest to the amateur radio community. (Hey, how about an article on remote control?)



Hey! Check this out!
Some new ideas for us!

"Quick Quotes"

From various sources

Rank does not confer privilege or give power. It imposes responsibility.....Peter Drucker

Leadership is the art of getting someone else to do something you want done because he wants to do it.....Dwight D. Eisenhower

When angry, count ten before you speak. If very angry, count one hundred.....Thomas Jefferson

TNY K2F

DID YOU KNOW...

Left-Handed kids

If you have a child who is left-handed, don't try to change the preference. Lefties are inconvenienced by a right-handed world, but are often talented.

The top scores in the mathematics portion of SAT tests are left-handed males.

Left-handers make up 10-15% of the population, but 20% of the membership of MENSA, a group for people with very high IQ's are left-handers. Lefties are known to be individualistic and highly motivated. Albert Einstein and Thomas Edison was left-handed.

(Mensa News, Trx K2F

.....

How to ripen green tomatoes.

Put them in a paper bag in a cool corner of the kitchen, or on a never on a windowsill.

Trx K2J

Thank You...

A special THANK YOU to a couple of club members who saved me a load of work, time and frustration this month. Your editor, forgetting that this has happened before, tried to 'upgrade' his system this month. What happened? You guessed it!! Everything was lost.

Over two years of information for my wife's business; over 15,000 graphics; both the outside and inside cover pages of the Crosstalk... all of it - GONE!

Well, some (less than 15%) of the graphics I had copies of, but thanks to Sunny, WB2DXB, I have over 3500 graphics to use. Not the old ones, but new ones.

Ken, KN2U, was there too, offering encouragement and advice when I was too tired and getting frustrated. (Yes, Ken. I did backup the system this time!)

I just wanted to take this opportunity to say THANK YOU to both of you gentlemen for your assistance. (Now, if I can just keep from trying to improve on what is working OK!)

73..

Harry, N2DUZ
Crosstalk Editor

V E C Testing

October 21, 1993

Do you wish to upgrade your license? Now is the time. Metro Comm Repeater System (96 Over The Hill Gang) will do upgrade testing at the Marcus Baptist Church, Market & Omond, Linwood, PA.

Doors will open at 6PM for registering, and will close tight at 7PM. Testing will be for Novice (No Code), Technician Plus, General Advanced and Extra. Be sure to bring TW O for identification, your drivers license and current Amateur Radio License. Testing fee of \$5.6 for all classes except Novice and Technician upgrade to Technician

MAIDENHEAD GRID LOCATOR SYSTEM

The six character Grid Locator used by Radio Amateurs can pinpoint a location on the surface of the earth to an accuracy of about 4 X 3 miles.

The first two characters which are letters define the location to within 20 degrees longitude by 10 degrees latitude. The 20 degree sectors of longitude range from "A" to "R" in the eastern direction starting at the 180 degree meridian (Date Line). "A" is from 180 W to 160 W, "B" 160 W to 140 W, etc. The "I" sector is from 20 W to the 0 degree Greenwich Meridian. The "J" sector is from 0 to 20 E etc. "R" from 160 E to the 180 degree meridian.

The 10 degree sectors of latitude range from "A" to "R" in the northerly direction starting at the South Pole. "A" is from 90 S to 80 S, "B" 80 S to 70 S, etc. The 10 degree longitude "I" sector is from 10 S to the 0 degree "Equator", "J" from 0 to 10 N etc. "R" from 80 N to the North Pole.

1st Char of Longitude	20 degree sector	2nd Char of Latitude	10 degree sector
A	DL-180 W 160 W	A	SP-90 S 80 S
B	160 W 140 W	B	80 S 70 S
C	140 W 120 W	C	70 S 60 S
D	120 W 100 W	D	60 S 50 S
E	100 W 80 W	E	50 S 40 S
F	80 W 60 W	F	40 S 30 S
G	60 W 40 W	G	30 S 20 S
H	40 W 20 W	H	20 S 10 S
I	20 W 0 -GM	I	0 S 0 -EQ
J	GM- 0 20 E	J	EQ- 0 10 N
K	20 E 40 E	K	10 N 20 N
L	40 E 60 E	L	20 N 30 N
M	60 E 80 E	M	30 N 40 N
N	80 E 100 E	N	40 N 50 N
O	100 E 120 E	O	50 N 60 N
P	120 E 140 E	P	60 N 70 N
Q	140 E 160 E	Q	70 N 80 N
R	160 E 180 E-DL	R	80 N 90 N-NP

The second two characters which are numbers define the location to within 2 degrees of longitude by 1 degree of latitude. The 2 degree sectors of longitude range from "0" to "9" in the eastern direction starting at the western meridian of the 20 degree sector. The 1 degree sectors of latitude range from "0" to "9" in the northerly direction starting at the southern parallel of the 10 degree sector.

3rd Char of Longitude	2 degree sector	4th Char of Latitude	1 degree sector
0	W-20 18	S-0	00 01
1	18 16	1	01 02
2	16 14	2	02 03
3	14 12	3	03 04
4	12 10	4	04 05
5	10 08	5	05 06
6	08 06	6	06 07
7	06 04	7	07 08
8	04 02	8	08 09
9	02 00-E	9	09 10-N

The last two characters which are letters define the location to within 5 minutes of longitude by 2.5 minutes of latitude. The 5 minute sectors of longitude range from "a" to "x" in the eastern direction starting at the western even degree of longitude (EvDL). "a" is from 60 to 55 minutes, "b" 55 to 50 minutes etc. The "l" sector is from 5 to the 0 minutes (the odd degree of longitude (OdDL)). The "m" sector starts at the odd degree of longitude from 60 to 55. The "x" sector from 5 to the 0 minutes at the eastern even degree of longitude).

The 2.5 minute sectors of latitude range from "a" to "x" in the northerly direction starting at the southern 1 degree parallel. "a" is from 0 to 2.5, "b" 2.5 to 5, etc. The "x" sector is from 57.5 to 60 (the northern 1 degree parallel).

5th Char of Longitude	5 minute sector	6th Char of Latitude	2.5 minute sector
a	EvDL-60 55	a	00.0 02.5
b	55 50	b	02.5 05.0
c	50 45	c	05.0 07.5
d	45 40	d	07.5 10.0
e	40 35	e	10.0 12.5
f	35 30	f	12.5 15.0
g	30 25	g	15.0 17.5
h	25 20	h	17.5 20.0
i	20 15	i	20.0 22.5
j	15 10	j	22.5 25.0
k	10 05	k	25.0 27.5
l	05 00-OdDL	l	27.5 30.0
m	OdDL-60 55	m	30.0 32.5
n	55 50	n	32.5 35.0
o	50 45	o	35.0 37.5
p	45 40	p	37.5 40.0
q	40 35	q	40.0 42.5
r	35 30	r	42.5 45.0
s	30 25	s	45.0 47.5
t	25 20	t	47.5 50.0
u	20 15	u	50.0 52.5
v	15 10	v	52.5 55.0
w	10 05	w	55.0 57.5
x	05 00-EvDL	x	57.5 60.0

Example:

The grid locator for the QTH of N2PKF is FM-29-ms
F: within the 20 degree longitude sector from 60 W to 80 W.
M: within the 10 degree latitude sector from 30 N to 40 N.
2: within the 2 degree longitude sector from 74 W to 76 W.
9: within the 1 degree latitude sector from 39 N to 40 N.
m: within the 5 minute longitude sector from 55 to 60 minutes west of 74 W
s: within the 2.5 minute latitude sector from 45 to 47.5 minutes north of 41 N.

The following letter was received by AI, N2FJQ, which indicates that our club is still an ARRL Special Service Club...

MAY 18, 1993

JAMES ECKERSLEY, K2IXE
10 HOLLYWOOD BLVD SOUTH
FORKED RIVER, NJ 08731

DEAR JAMES:

WE ARE PLEASED TO REPORT THAT THE GLOUCESTER COUNTY ARC HAS BEEN OFFICIALLY RENEWED AS A SPECIAL SERVICE CLUB. THROUGH THE WORK OF ITS MEMBERS, THIS CLUB IS RECOGNIZED FOR ITS CONTINUED EFFORTS ON BEHALF OF AMATEUR RADIO AND SERVICE TO ITS COMMUNITY.

YOU ARE TO BE COMMENDED FOR YOUR WORK WITH THE CLUB IN HELPING IT REALIZE AND MAINTAIN ITS POTENTIAL. BECAUSE YOU HAVE BEEN SO CLOSELY ASSOCIATED WITH THE CLUB DURING THE DEVELOPMENT OF ITS SSC COMMITMENT, WE WANT TO GIVE YOU THE OPPORTUNITY OF INFORMING THE CLUB DIRECTLY OF ITS SUCCESS. THE CLUB WILL CONTINUE TO RECEIVE PERIODIC MAILINGS OF MATERIALS AND INFORMATION FROM HEADQUARTERS.

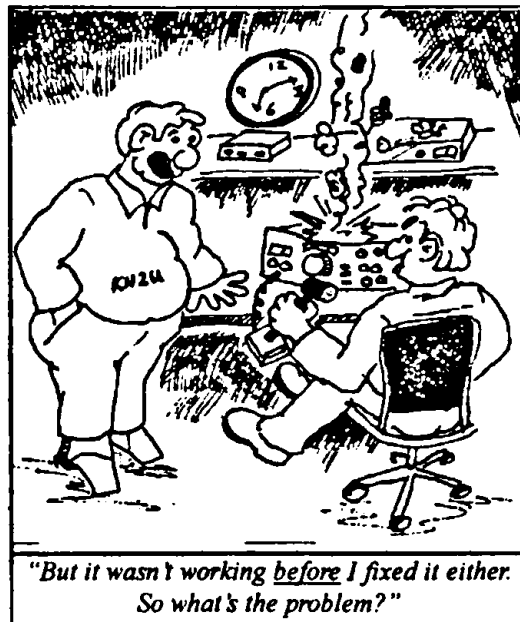
CONGRATULATIONS, AND THANKS FOR YOUR GOOD WORK. IF WE CAN BE OF FURTHER ASSISTANCE, JUST LET US KNOW.

73,

VICKY ARMENTANO
CLUB ADMINISTRATIVE ASSISTANT

CC: SM BRUCE EICHMANN, KE2OP

Thanks to AI and those who helped him get this through the system.



PENDING FEDERAL LEGISLATION

QST de WIAW
ARRL Bulletin 90 ARLB090
From ARRL Headquarters
Newington CT August 20, 1993
To all radio amateurs

SB QST ARL ARLB090
ARLB090 Amateur bill in congress

Through ARRL efforts a bill has been introduced in the U.S. House of Representatives, H.R. 2623, that would amend the communications act of 1934 to "facilitate utilization of volunteer resources on behalf of the Amateur Radio Service."

The League in seeking the legislation said that many amateurs are reluctant to participate in volunteer programs such as the Amateur <Press ENTER to continue, or /EXIT to quit>

Auxiliary of the FCC's Field Operations Bureau, the volunteer examiner program, and the yet-to-be implemented volunteer club and military recreation station call sign administration program.

The League said that volunteer monitors face the prospect of being accused of bias or other motives, and that volunteer examiners may fear being blamed by an examinee for failure to pass a test.

The legislation is needed, the League believes, to eliminate an obstacle to volunteer participation in these programs, as well as to prevent civil actions against good-faith volunteers.

The act is referred to as the Amateur Radio Volunteer Services Act of 1993. The legislation was introduced by Congressman Jim Slattery (D-KS). Initial co-sponsors were Reps. Dan Glickman (D-KS), Dennis Hastert (R-IL); Mike Kreidler (D-WA); Bernie Sanders (I-VT); Jolene Unsoeld (D-WA); and Peter Deutsch (D-FL).

Goofed Again!
Seems the Editor thought the meeting was Wednesday, September 8th, NOT September 1st.
My apologies!

4-H Fair 1993...Parking Project (July 29-31, 1993)

Charlie Olinda N2SRQ, Chairman

Dear Fellow Hams,

According to the leadership of 4-H, this year was the absolute best year that they have had...this equates to a lot of work for all of the volunteers...but it also equates to a greater awareness of the 4-H organization and The Gloucester County Amateur Radio Club.

We have had the opportunity to "work together" with them for a number of years...and I see it...this is a real good "working relationship!"

When the request was made for someone to coordinate the volunteers for the "Parking Project", I hesitated because I did not know that many of you, what your talents were and how you would work together. These are very important aspects of a team effort! I found that the GCARC has a diverse group of great folks, that have the ability to "roll up their sleeves" and get a great job done.

This team spirit was demonstrated when the sign up sheet was passed around. I received a whole sheet of notebook paper filled with willing members...as I was to find out later, they were greatly needed!

Our peak parking time came between 4:00 and 7:00 PM Friday evening...this was incredible!!..cars were coming in a rate greater than 15 per minute...that figures out to about 900 cars per hour! We had 5 people selling tickets at a staggering rate and our parking flagmen were constantly on the move trying to keep order over the onslaught of cars and trucks...In short we were very busy!!

A project of this magnitude requires the support of many people...below I have included a listing of the people that helped out this year...Next year please consider how you can help so that we can continue to show our appreciation to the Gloucester County 4-H, and maintain a positive image within the community...YOU make the difference!

The Hero's

	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>
<u>7:00AM</u>	K2HPV-Herb Schuler WB2OZE-Jose' Lopez KA2KMW-Ed Wargo K2OWE-Jim Mollica N2TXG-Danny Tremolini * KB2ODJ-Ed Hankin *	WA3UVV-Cory Sickles KA2KMW-Ed Wargo N2QEB-Bill Babarge * WB2OZE-Jose' Lopez N2PKF-John Yeager N2SVN-Jim Wilson	N2TXG-Dan Tremolini * KB2EVA-Miriam Kravitz * KD2CR-Len Kravitz * KB2PAU-Jim Langworthy *
<u>12:00PM</u>	KE2SC-Skip Mawson KB2EVA-Miriam Kravitz KD2CR-Len Kravitz	N2QEB-Bill Babarge * *****- Jerry Conley *****-Scan Conley N2NLE-John Cliver N2SRO-Mike Mollet * KG2G-Bert Onachila *	KB2EAH- Bob Budd * *****-Diane Budd KB2EAL-Beth Barnish WB2CAK-Jerry Barnish KA2DZF-Pete Butler N2NLE-John Cliver N2SRO-Mike Mollet *
<u>3:00PM</u>	K2JF-John Fisher KB2ODJ-Ed Hankin N2DWR-Marla Bozarth * N2ASV-Russ Glans(Ten.) N2QEB-Bill Burbarge * *****-Jerry Conley * *****-Scan Conley * *****-Mike Mollet *	K2JF-John Fisher KA2DZF-Pete Butler K2ZA-Jack Zaruba *****-Ray Flanigan * *****-Kevin Flanigan * *****-Scan Conley *	N2AKL-Roslyn Marder WA2IBZ-Howard Marder WA2FGA-Milt Marder N2FNF-Irma Colabrese N2DWK-Sam Rosenberg *****-Goldie Rosenberg *****-David Bozarth *
<u>6:00PM</u>	AA2BN-John Zaruba Jr. N2MHO-Mike Harla N2KLE-Joe Wells WA2NPD-Doug Gehring *****-Chrissy (KB2ODJ's YL) * *****-David Bozarth *****-Billy Bozarth	N2KLE-Joe Wells N2GVR-Steve Fidler III KN2U-Kenneth Bozarth *****-Don Miller WA2UDO-Bob Krukowski *****-Chrissy (KB2ODJ's YL)	WA2TML-Chuck Colabrese N2SRO-Mike Mollet N2JIB-Harry English N2KLE-Joe Wells * *****-Don Miller * *****-Sarah Miller * N2SRQ-Charlie Olinda

(*) - This designates an individual that worked a second shift or came in to help when they heard my plea on the repeater during the peak times.

Almost all of my volunteers worked past their shift time so that we could have a smooth changing of the guards!

My sincerest thanks goes out to all of the great people that I had a chance to work with...many have expressed a desire to help out next year!...that's the spirit of a great Amateur Radio club!!!

tnx...73's...

Charlie Olinda
4-H parking Chairman.

Using the MALAGA KANode

Here are some notes and tips for using the MALAGA KANode. The node is located at the Township of Franklin Municipal Building. It is a Kantronics KPC-4 Dual Port TNC, operating on 145.07 Mhz and 441.05 Mhz. The power output is 25 watts on 2 meters, and 35 watts on 70 cm. The antennas are mounted about 100 feet above ground level, have approximately 6 db of gain, and have an omnidirectional pattern.

There are three basic ways to use the node. It can be a straight AX.25 digipeater, an AX.25 crossband digipeater, or as a network node. To use the digi, connect to your destination VIA AA2BN-1. This operates just like any other digipeater.

To crossband digipeat, issue a connect to your destination VIA AA2BN-7. If you signal is going in on the 2 meter port, it will come out on 70 cm, and vice versa.

When you connect to MALAGA, you gain some features. The KANode programming is a bit more flexible than a standard digipeater. However, the Kantronics software is not as sophisticated as other networking schemes such as NET/ROM, The Net, and G8BPQ. It does not support node tables or automatic network routing. After connecting to MALAGA, you receive a welcome message, then a menu :

(B)ye - disconnect from the node and/or your destination station.

(C)onnect - connect to your destination station. You can also specify a stay parameter, e.g. C S KF2AW. If you logoff from a BBS, normally the node would also disconnect from you. The S option keeps you connected to the node so you can connect to a new destination station.

(J)heard - gives a list of most recently heard packet stations, along with the date and time they were heard. A "/1" after the call indicates it was monitored on 2 meters, and the "/2" indicates 70 cm. The L option, e.g. J L, will specify if the station was coming via a digipeater. KB2XYZ VIA N2AAA 01/01/94 13:22.

(N)ode Heard - Similar to "J", it only lists nodes. They can be NET/ROM, The Net, or G8BPQ nodes, as well as Kantronics nodes. The Kantronics node will connect with all these node types. The listing shows the alias first, then the node callsign. ESS /1

(WB3ESS-1) 12/25/93 08:31

(X)cross band Connect - Allows you to issue a connect on the opposite port. e.g. XC KF2AW, would connect you to KF2AW BBS on 70 cm if you came in on 2 meters. You can also come in on 441.05 and go out on 145.07.

HELP - an on-line help file.

If you have any questions about using the KANode, drop me a line at AA2BN@KF2AW, or connect to MALAGA, the connect to AA2BN-10.

73 de John Zaruba Jr., AA2BN

YOU DID IT AGAIN!

During this past summer, everyone in Amateur Radio hears about Hamfests and Radio Shows but no one really gets too excited when the topic comes up - that is until Gloucester County, South Jersey is mentioned. At the break of dawn they are lining up to get the choicest spots. They try their best to negotiate with our parking people and get rather "huffy" when they can't get their way. BUT they settle in and the early bird buyers are looking and claiming items before the vendors can even put out their items for proper inspection. By the opening bell of 8am the place is full of sellers and buyers and some of the buyers are on their way to their cars smiling about the deal they just made.



That's the way it was at the Gloucester County Amateur Radio Club's Hamfest. Thanks to the work of some dedicated club members and non-members the day, which was gorgeous as far as the weather was concerned, was a GREAT success. All of the Chairpersons had their crews all "powered up" and working on all "cycles". The food was good and the people came ready and willing to spend their money.

The committee feels the day was really one of the best yet and only time will tell when the receipts are tallied and the comments filter back from those in attendance. In the meantime, we sincerely want to thank each every person who contributed in anyway to the success of the day. Whether you gave an hour or two, or all day We Give YOU Thanks from the bottom of our hearts.

N2KLE and KA2DZF