

◆ Squelch Tales ◆

Volume 2 Issue 3

July, 1995

The Quarterly Newsletter of the North Fulton Amateur Radio League, Inc.

News from the North Side

by Jeff Weinberg, AA4RC



This year is going by fast. Turn around, and it's July already. I was recently reminded that I am now half way through my third year as president. When I was elected president last year, a friend of mine cautioned me about staying on "too long". His point was that after a while, we get a bit stale doing the same thing. The point was well taken, and those words have been popping up in my head a lot lately. Not that I think I'm getting "stale", but that maybe what any organization needs is a chance to experience fresh ideas and new energies.

Therefore, I have decided that this is my last term as president of the N.F.A.R.L. It's time for a new president of N.F.A.R.L. I am letting you all know of my decision now because this gives 6 months notice, and I want individual members of the club to start seriously thinking about taking on the office.

I have really enjoyed my three terms as president. This is the finest club I have ever been associated with in my 19 years of being a Ham.

I have tried to set some goals for my term as president. Since taking office, with the help of people like Fred Moore, we have seen the billing procedures of the club vastly improve. I believe the newsletter has improved in overall quality and reliability. We have become incorporated. And, we have joined the Olympic effort.

Being president of the N.F.A.R.L. is

New in this issue...

REPORT & ORDER

not a hard job. It is a rewarding job. You get to work with many fine people, both Hams and non-Hams. Responsibilities include running the meetings, finding and arranging for monthly meeting pro-

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grams, working with the Board of Directors, consisting of the vice-president, treasurer and secretary to insure that the day-to-day business of the club flows smoothly. And, encouraging people to participate in activities from contributing to the newspaper to volunteering to head up an activity. You get to make the "big decisions", such as where to hold meetings, when to start meetings, coordinating the annual auction and Christmas Party, and working with the Field Day chairman helping to see that that event goes off smoothly. And, you get to be the liaison with the ARRL. People call you to ask about the club and membership. In other words, lots of important things that directly affect the success of the club.

What does it take to be president of any club? A desire to give back to the club is a first step. Also, you need to be able to make good decisions for all members. You must be a current member of the club, and you need to be a member of the club for at least one year prior to being elected president. This last qualification is in the By-Laws of our club to insure that whoever takes over as president, at least knows what this club is all about.

As most of you may know, I also edit this newsletter. In the past 2+ years I have tried to make it one of the best in Atlanta. When I was first elected president, Hal Myers, K4JHM, a former officer of the club, noted at a general meeting that every club should do at least three things well: 1) have good programs for the meetings, 2) have reliable repeater service, and 3) have a good quality newspaper that people can count on getting. Hal, I

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110 992 9423

770 833 9464

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Vice-President - Steve Mays, KS4KJ
Treasurer - Fred Moore, N4CLA
Secretary - Rose Daley, KE4MCW
Membership Coordinator - Steve Mays

CLUB REPEATERS
145.470 MHz out (-0.6 MHz)
147.060 MHz out (+0.6 MHz)

INTERNET: jweinb@ix.netcom.com

NFARL BBS
552-0868 (1200-2400-9600 8-N-1)
Dan Turner, WA4BRO, Sysop

Articles for the NFARL newsletter may be sent on disk (ASCII text format) by mail to Jeff Weinberg, 2714 Fieldstone Path, Marietta, GA 30062, or uploaded via modem (in ASCII format) to the NFARL BBS, ATTN: Jeff Weinberg, AA4RC. Or, you can FAX your articles directly to 552-9495. Other types of input formats include Word for Windows, WordPerfect, RTF, RTF-DCA, XLS, MS Works, and Windows Write. Acceptable graphics formats include PCX, BMP, HGL, PIC, GIF, CGM, WMF, TIF, DRW, EPS, WPG, and PCD.

You may also contact Jeff at 552-9495 to discuss the submission of an article to the newsletter. No copyrighted material may be submitted to *Squelch Tales* without proper written authority from the copyrighted source.

NEWS NET EVERY MONDAY
At 8:00 P.M. on 145.470 MHz
Alt. Frequency: 147.060 MHz

Monthly Meetings:

Second Wednesday of Each Month at the
Ryan's Family Steak House
100 Mansell Place, Roswell
664-9512
Dinner - 6:30 PM
Meeting & Program - 7:30 PM

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North Fulton Amateur Radio League Quick Repeater Guide 145.470 & 147.060

Open Commands

- #1 Echo Test
- #2 Deviation Test
- #3 DTMF Test
- #4 Time
- #5 Sinad Test
- #6 Frequency Test
- #7 Display Mail
- #8 Send Command Out Link
- #9 Play Announcement

User Commands

- 0*N Emergency Patch
- 1*N User Patch
- 2 Patch Redial
- 7 Mailbox
- 8 Open Mail
- 10 Change Password
- 12 Record User Name
- 15 User Profile
- 20 Speedial Maintenance
- 25 User Hang-up Code
- 30 CTCSS Command

N = Number To Dial

Only from Phone Line

- 1 Reverse Patch
- 2 Monitor Air
- 3 Non-directed Patch Page
- 4 Directed Patch Page

Additional copies of the repeater manual are available for \$6 each. Contact Jeff Weinberg at 740-7939 for details. All checks should be made payable to the N.F.A.R.L.



Club Information On-Line

N.F.A.R.L. club information is "on-line", and is as easy to get to as picking up your telephone and dialing 552-9495.

Once the automated system answers, you will be presented with a short menu of items. Just press '5', and you will get a message that gives you a summary of basic N.F.A.R.L. information.

This is a great way for new people to find out more about the club and how to contact us both by mail or telephone.

One note, you will need a TouchTone® telephone to make the system work.



HAMFEST CALENDAR

courtesy of the SERA Repeater Journal and the ARRL

July 8	Salisbury, NC
July 15	Cary, NC
July 22-23*	Atlanta, GA
July 29	Ashville, NC
August 5*	Perry, GA
August 5-6	Jacksonville, FL
August 13	Charlotte, NC
August 19-20	Huntsville, AL
August 26*	Madison, GA
September 2-3	Shelby, NC
September 16	Anderson, SC
September 23*	Gainesville, GA
September 23*	Anniston, AL
October 7*	Boaz, AL
October 7*	Gallatin, TN

* - not a confirmed date

FCC License Status Number:

1-800-322-1117

Atlanta VEC Schedule

(All days are once a month for
each notation)

1st Saturday 9:00 AM	Jonesboro George White KN4NG 361-6850
1st Sunday 2:00 PM	Lawrenceville Duane Reynolds WB2YAD 962-9582
1st Monday 7:45 PM	Roswell/Marietta Delaine McCarthy KM4FV 993-9758
2nd Sunday 3:00 PM	Cartersville Mark Swicord KD4EYF 975-1309
2nd Tuesday 7:00 PM	Snellville Wayne Taylor WD4CCA 498-7759
2nd Saturday 8:30 AM	Stone Mountain Hal Martin KI4RD 978-9160
3rd Saturday 9:00 AM	Marietta Larry Huff WA4CQZ 955-3171
4th Sunday 2:30 PM	Atlanta John King AB4GK 381-5291
4th Friday 7:00 PM	Lilburn Howie Gould W4NVF 921-8362

Wanted:

To borrow service manual/
schematics for Singer/Gertsch
FMI0CS Station Monitor.
Contact Marvin Moss, Box
28601, Atlanta, GA. 30358.

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listened and have tried to meet those three goals. And, this newsletter was my biggest challenge. For you long-time members, you'll remember that although the newsletter was interesting in the past, it was not very regular.

We relied too much on the generosity of others to save money. Well we saved money, but we didn't have a newsletter people could count on. So, I gave the printing of the newsletter to the professionals, and they have consistently come through for all of us. As for folding and labeling. Michelle and I have spent some very pleasant evenings together sitting on the porch folding, stapling, stamping, and addressing 160+ newsletters every three months. Some good music, a cold drink, a breeze, and the job went fast.

Well, it's time to get fresh blood into the publishing of this newsletter too. So, effective with the mailing of the October, 1995, edition of *Squelch Tales*, I will be resigning my positions of publisher, editor, and reporter for this newsletter.

What do you need to do a newsletter? Well a computer helps. I use one running Microsoft Windows and Microsoft Publisher. You would be free to use any program you wanted to use. But, if you use Publisher, I will give you copies of the last two newsletters on disk for you to use as patterns for future editions.

Now, I must note this. The copy of Publisher I am now using is mine, and does not go to the next publisher of the newsletter. I will be more than happy to recommend another package to you, if you would like. But, this program stays with me.

I know this is a lot to digest in one sitting. And, I apologize for it. Am I stepping totally away from helping the club? No way! I will still manage the membership database, updating it as I serve as one of the control operators for the repeaters. As part of my

on-going duties, I will still perform maintenance on the user database on both repeaters, and send out welcome letters and user manuals to new members of the club. These are jobs I became involved with prior to being elected president or taking on the newsletter, and I have developed effective working relationships with people in these areas.

I know you are asking, "Why am I doing all this, especially now?" Well, 1996 will be a very, very busy year for me. I have volunteered to work in the Olympic effort. And, I guess I may have gotten further down the road than I expected, because I have since been called down to Olympic headquarters to be interviewed, ID'd, have a security background check made (no comments please Fred), and sit in for initial training.

As you know, being an Olympic volunteer is not a sure thing, but being repeater accounts manager, database manager, president, newsletter publisher, editor, and reporter, along with possibly working the Olympics is just too much to do everything effectively.

Also, I am just plain tired. As many of you know, before taking on the job of president, I restarted and was net control for the N.F.A.R.L. Monday Night Net for 2 1/2 years. So all told, I have been going full-tilt for the club for over 4 years now. It's simply time to give it a rest.

Finally, next year will be a busy one for me personally in that I want to get more involved with my work on the Internet, possibly starting some business services for people who will need my expertise in this area.

In closing, let me say that I have enjoyed my years as president and *Squelch Tales* publisher and editor. We now need others to pick up these torches to continue these services. So please, volunteer and help your club.

God bless you all.

Repeater Emergency Codes

<u>POLICE</u>		<u>FIRE</u>	<u>POLICE</u>	<u>FIRE</u>
<u>CHEROKEE</u>				
100	479-5511	County	110	345-5515
101	479-2525	Canton	111	479-2323
102	479-5518	Little River	112	926-7791
103	479-5518	Oak Grove	113	926-9870
104	926-7778	Woodstock	114	926-7778
<u>CLAYTON</u>				
200	471-4242	County	210	471-4242
201	366-4141	Forest Park	211	366-4141
202	478-7407	Jonesboro	212	478-7407
203	366-8035	Lake City	213	471-4242
204	961-4000	Morrow	214	961-4000
205	966-3382	Riverdale	215	996-1912
<u>COBB</u>				
300	499-3911	County	310	422-2121
301	974-3111	Acworth	311	422-2121
302	948-2514	Austell	312	948-6411
303	422-2505	Kennesaw	313	422-2121
304	422-5420	Mableton	314	422-2121
305	429-4300	Marietta	315	424-8333
306	943-1616	Powder Spgs.	316	422-2121
307	434-6666	Smyrna	317	434-6666
<u>DEKALB</u>				
400	294-2911	County	410	294-2911
401	458-0121	Chamblee	411	294-2911
402	294-2911	Clarkston	412	294-2911
403	373-6551	Decatur	413	373-0600
404	458-8561	Doraville	414	294-2911
405	768-7171	Hapeville	415	768-7171
406	294-2911	Lithonia	416	294-2911
407	469-0101	Stone Mtn.	418	294-2911
409	294-2911	Tucker	419	294-2911
<u>DOUGLAS</u>				
500	949-5656	County	510	949-1212
501	942-3211	Douglasville	511	942-3171
502	942-2121	Lithia Spgs.	512	949-1212
<u>FAYETTE</u>				
600	461-6353	County	610	461-6353
601	461-4111	Fayetteville	611	461-4111
602	487-7977	Peachtree City	612	487-7977
603	487-7977	Tyrone	613	487-7977
<u>FULTON</u>				
700	768-8200	County	710	768-8200
701	475-5900	Alpharetta	711	475-5353
702	658-6666	Atlanta	712	659-2121
703	766-3618	College Park	713	766-9621
704	768-8200	East Point	714	768-8200
705	964-1441	Fairburn	715	964-1441
700	768-8200	Mountain Park	710	768-8200
706	768-8200	Palmetto	716	768-8200
707	768-8200	Red Oak	717	768-8200
708	641-3714	Roswell	718	993-6677
709	964-1332	Union City	719	964-1332
<u>WINNETT</u>				
800	962-1900	County	810	963-0123
801	962-1900	Buford	811	963-0123
802	476-4151	Duluth	812	963-0123
803	963-2443	Lawrenceville	813	963-0123
804	921-2211	Lilburn	814	963-0123
805	962-1900	Mountain Park	815	963-0123
806	448-2111	Norcross	816	963-0123
807	972-2623	Snellville	817	963-0123
808	962-1900	Sugar Hill	818	945-5397
809	962-1900	Suwanee	819	963-0123
<u>HENRY</u>				
900	957-9121	County	910	957-9121
902	946-4512	Hampton	912	946-4512
903	957-5200	Locust Grove	913	957-5200
904	957-1217	McDonough	914	957-1217
905	957-9121	Stockbridge	915	957-9121
<u>FULTON COUNTY</u>				
ATLANTA POLICE				
FULTON COUNTY				
DEKALB COUNTY				
COBB COUNTY				
WINNETT COUNTY				
CLAYTON COUNTY				
GEORGIA STATE				
PATROL				
ATLANTA FIRE DEPT				
MARIETTA POLICE/FIRE				
ATLANTA GAS LIGHT				

Who's Who in the N.F.A.R.L.

(As of June 28)

137		John	Mills	800	KD4FTZ	Ina	Earhart
700		Joy	Watts	303	KD4FYJ	Bill	Pickens
4	AA4RC	Jeffrey	Weinberg	292	KD4HDE	Chris	Craig
72	AA4ZC	Larry	Boden Jr.	320	KD4HFR	Mario	Ruhnke
121	AA5NQ	Jack	Brabham	312	KD4HLM	Doug	Allen
47	AB6FD	Brad	Freeborn	304	KD4HYX	Donna	Pickens
341	AD4FB	Daniel	Ortiz	327	KD4IKZ	David	Jacoby
63	AD4GJ	Pat	Patterson	326	KD4ILA	David	Mayer
117	AD4YZ	Bill	Kimes	333	KD4KEY	Martha	Clark
255	AD4ZR	Russell	Akridge	165	KD4LJG	Chris	Cammons
336	AG6R	Bryan	Carl	169	KD4LJI	Richard	Cammons
62	K3GA	Stuart	Kravitz	335	KD4LXQ	Chuck	Daley
59	K3PPY	David	McBride	1	KD4NC	Doug	Drye
97	K4AHJ	Tom	Knight	21	KD4PEN	Joel	Garrett
260	K4GLZ	Everett	Thomas Jr.	60	KD4RFK	Rick	Patchin
71	K4JHM	Hal	Myers	300	KD4RTY	Caroline	Keown
20	K4JMX	Alan	Dages	148	KD4RUA	Phillip	Butler
252	K4UAF	Don	Rogers	351	KD4SGK	Alan	Manning
92	K6EID	Phil	Finkle	79	KD4SGR	Bill	Reynolds
30	KA4GGI	Joseph	Pastuch	37	KD4SHE	Marshall	Magee
272	KB4KAY	Todd	McGinnis	53	KD4TFG	Jeff	Medin
131	KB4KBS	Scott	Straw	237	KD4TWN	Ann	Seay
317	KB4KHQ	Lane	Watts	65	KD4UMM	Jim	Moore
124	KB4LWS	Diane	Andrus	33	KD4WLC	Jim	Booth
125	KB4LWT	Larry	Andrus	69	KD4YDD	Scott	Brown
64	KB4NUC	John	Hess	38	KD4YRA	Luis	Velazquez
91	KB4VSS	Greg	Culpepper	123	KD4ZDX	Erwin	Valdez
256	KC4AZR	Kathleen	Foulkes	76	KD4ZNP	Bill	Agee
89	KC4RIB	Al	Fischer	57	KD6CLO	John	Farr
220	KC4ROW	Kenny	Snyder	163	KE4ATI	Ray	Cammons
357	KC4VZQ	Brian	Dugger	189	KE4BSB	Ted	Cromey
275	KC4WHZ	George	Scott	94	KE4CKA	Wendell	Webb
126	KC4WZE	Randall	Routh	87	KE4CQG	Jonathan	Lorber
231	KC4YBO	Steve	Knittel	88	KE4CWG	Ken	Bishop
209	KC4ZLU	Paul	Grether	102	KE4DCJ	Nancy	Smith
122	KC4ZTP	Mike	Brooks	101	KE4EGD	Terry	Smith
262	KC4ZTY	Steven	Sheppard	99	KE4ENH	Adam	Lee
281	KD4APF	Brint	McClellan	54	KE4EPS	Judie	Medin
10	KD4APK	David	Fellows	50	KE4EPU	Gregory	Wieland
129	KD4APR	Kathleen	Coleman	48	KE4FOS	Edward	Hotchkiss
283	KD4APT	Shiona	Cavaliere	68	KE4FOV	Bert	Bruner
301	KD4ATP	John	Keown	191	KE4GBE	Michael	Hall
43	KD4BIO	John	Brewer	267	KE4GFN	Dan	Reid
302	KD4EQE	Philip	Zeigler	138	KE4GHA	Gary	Leazer
				108	KE4GXG	Steve	Potter
				132	KE4HIL	Rick	Clark
				104	KE4HMN	Oliver	Staley

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106	KE4HNN	Sue	Gutkes	11	N4HRA	Lew	Cason
105	KE4HNP	Mike	Langley	70	N4JH	Tony	Boden Sr.
113	KE4IGA	Sam	Freeman Jr.	74	N4LPU	Cliff	Walker
115	KE4IHC	John	Freeman Jr.	264	N4OSQ	Diana	Hess
111	KE4ILT	John	Dowdney	185	N4PZA	Patton	McKinney
112	KE4JKN	Anthony	Flowers	251	N4QVP	Bob	Stam
112	KE4JKN	Susan	Mays	16	N4QXH	Alan	Stern
119	KE4JTX	Susan	Mays	265	N4SE	Mac	McCarthy
127	KE4MCW	John	Vlad Jr.	44	N4SHO	Chuck	Rann
75	KE4MLU	Rose	Daley	202	N4UJO	Larry	Richardson
135	KE4NPE	Rose	Daley	207	N4UJO	Larry	Richardson
27	KE4NPF	Elaine	Sanders	207	N4UJO	Larry	Richardson
133	KE4NPG	Jerry	McKibben	285	N4VYP	Walter	Wilson
58	KE4OLP	Nicole	Reynolds	213	N4WTA	Dorothy	McKinney
32	KE4PIM	Ashton	Tomlinson	280	N4YIE	Nancy	Vogt
23	KE4QFE	Steve	Howard	261	N4ZCX	David	Gibson
42	KE4QFQ	Nelson	Ingalsbe	282	N4ZUQ	George	Price
26	KE4QVQ	Mike	Zachritz	73	NC4E	David	Cavaliere
31	KE4RQO	William	Chenault	90	ND4D	Jack	Sanders
24	KE4RST	Todd	Zachritz	120	NK4U	Chuck	McGinnis Jr.
83	KE4SJM	Cory	Russek	247	W2HIK	Nancy	Draheim
52	KE4SWX	Duane	Reece	181	W4DQT	Fred	Holcomb III
51	KE4TEG	Wesley	Shultz	18	W4EJF	Bill	Plage
36	KE4TUS	Michael	Gresham	253	W4IRZ	Forrest	Shelton
46	KE4UTT	Keith	Hylton	334	W4NAR	Bill	Reynolds
80	KE4WLQ	Rose	Ingalsbe	19	W4QO	George	Ryan
67	KE4WLR	Jonathan	Reich	35	W4SHP	Jim	Stafford
66	KE4WOC	Steve	Cook	49	W4UXJ	Jack	Van Hutten
78	KE4WYV	Robin	Cook	321	W4WKP	Marvin	Moss
84	KE4ZAA	Mike	Cook	152	W4YBV	Johnny	Fearon
170	KF4ZZ	Daniel	Render	400	W8BLA	Terry	Joyner
96	KG8EN	Jared	Baker	55	W8SOA	Vern	Fowler
8	KI4XO	Judd	Converse	61	WA4BNN	Jack	Conrad
41	KI6CQ	Dave	Vanderwall	5	WA4BRO	Mike	Henry
128	KJ4YM	John	Smith	230	WA4BV1	Dan	Turner
266	KM4FV	Paul	Brewer	6	WA4FNJ	Marvin	Ramos
56	KM4KB	Mark	Coleman	347	WA4POU	Mike	Connell
22	KM4MG	Delaine	McCarthy	276	WA4WSP	Gilbert	Butler
212	KM4OB	Charles	Earhart	305	WA4YNZ	Michelle	Weinberg
270	KO4CA	Marty	Stern	82	WB2HMG	Bill	Hampton
337	KQ4BG	John	Vogt III	100	WB3JAU	Frank	Lombardi
342	KQ4WZ	Mac	Brown	81	WB4GTL	Larry	Mottley
322	KR4OX	Richard	Seay	28	WB4PYL	Duane	Farmer
103	KS4CC	Donald	Reed	192	WB4RTP	Dan	Gustafson
268	KS4CM	Bob	Underwood	245	WB4RUJ	Avery	Davis
134	KS4GT	David	Hunt	45	WB4ZBV	Hal	Orego
2	KS4KJ	Bill	Slatton	145	WB4ZTA	Kim	Clough
25	N1ABM	Ruth	Clemens	319	WB5ZDH	Ginny	Clough
330	N3FDT	Steve	Mays	29	WD4NIT	Don	French
329	N3FDU	James	Alderdice	39	WV5R	Warren	Coleman
130	N4BNC	Michelle	Bonelli			Cam	Clayson
3	N4CLA	Mike	Bonelli				
85	N4GFF	Dave	Isom				
		Fred	Moore				
		Carl	McKinney				



Something special this month... Amateur Radio addresses on the Internet. This is just a small sample of what I have run across in searching out interesting places on the net. Callbooks, names, special interests are all represented. So look closely, and enjoy surfing "the net".

Amateur Callsign Server -

telnet://cs.buffalo.edu 2000 <need logon>

Amateur Radio -

ftp://ftp.think.com:/pub/radio/ham

Amateur Radio - ** E-COMM **

Emergency Communications Center

http://www.rmsd.com/acomm/

Amateur Radio 9600 Baud Packet Guide

file://hydra.carleton.ca/pub/hamradio/packet/96man2x0.txt

Amateur Radio Newsline

http://www.acs.ncsu.edu/HamRadio/News.html

AmSofts "The World of Ham Radio CD-ROM" page

http://hamster.business.uwo.ca:80/~amsoft

ARRL Home Page

http://www.acs.oakland.edu/barc/arrl.html

Amateur Radio - Bdale Garbee (N3EUA)

http://www.gag.com/bdale.html

Beacon List (Under Construction)

http://www.rmsd.com/hamradio/beacons.html

CODE (Colorado Digital Eclectics)

http://www.code.org/code

Colorado Connection Winter Newsletter, 94-95

http://www.rmsd.com/hamradio/colcon.html

Colorado TCP/IP Group

http://www.rmsd.com/hamradio/tcpip.html

Edge of Space Sciences (EOSS)

http://usa.net/~rickvg/eoss.htm

Enter the BAYCOM Driver

http://www.rmsd.com/hamradio/baycom.dvr

Getting Started in Amateur Radio

http://www.rmsd.com/hamradio/getstarted.html

Internet<-->Packet Gateway for N.E. Colorado

http://www.rmsd.com/hamradio/pinewg.html

K6LY: Naval Postgraduate School ARC

http://www.nps.navy.mil/npsarc/k6ly.html

Welcome to the world of Internet Amateur Radio

http://www.acs.ncsu.edu/HamRadio

Local Clubs

http://www.rmsd.com/hamradio/clubs.html

N6GN's High Speed Packet Page

ftp://col.hp.com/hamradio/packet/n6gn/index.html

N6GN's Microwave Link Page

ftp://col.hp.com/hamradio/packet/n6gn/uwavelink/uwv.html

News, Special Events, Hamfests, etc.

Radio Amateur

Telecommunications Society (RATS)

http://www.webcom.com/~arfunk/ats.html

SAREX Info

http://hypatia.gsfc.nasa.gov/sarex_mainpage.html

The Packet Radio Home Page

http://dingus.n5lyt.datapoint.com/tapr/html/pkthome.html

Tucson Amateur Packet Radio (TAPR) - FTP Archive

ftp://ftp.hereford.ampr.org/pub/hamradio/tapr

Tucson Amateur Packet Radio (TAPR) Home Page

http://dingus.n5lyt.datapoint.com/tapr

University of Buffalo hamradio

FTP archive

ftp://ftp.cs.buffalo.edu/hamradio

University of Maryland

http://w3eax.umd.edu

VE3JF's High Speed Packet Equipment Page

http://hydra.carleton.ca/articles/hisped.html

VE6LNZ: Calgary area ham radio page

http://www.cuug.ab.ca:8001/~lenzk/ham.html

Voice, Digital and ATV Repeaters (Under Construction)

http://www.rmsd.com/hamradio/corptrs.html

W1AW Schedule

http://www.rmsd.com/hamradio/w1aw_sched.html

W6YX: Stanford ARC

http://w6yx.stanford.edu/w6yx.html

WB2OSZ: Slow Scan Television

http://www.ultranet.com/~sstv

Why Packet Radio?

http://dingus.n5lyt.datapoint.com/tapr/html/pktrm1.html

Amateur Radio Callsign Database

http://www.mit.edu:8001/callsign

<use exactly as noted here to get to html form>

Amateur Radio rules and regulations (Part 97)

ftp://ftp.oak.oakland.edu (cd /pub/hamradio/arrl/infoserver/rib/part

97.txt)

ARRL - BBS 1-203-686-0578

ARRL - Infoserver

email info@arrl.org (request in body, only) (commands include: 'reply'

<address>, 'help', 'index' (gets list of available files), 'send' <filename>,

'quit'

sample: send W1AW.SKD
send KITS.TXT
quit

ARRL - Technical Articles, Technical Correspondence

email ppage1@arrl.org

ARRL - Technical Information Service

email mtracy@arrl.org

ARRL - Technical Questions

email tis@arrl.org

ARRL - VEC

email bjahnke@arrl.org



Quarterly Treasurer's Report

N.F.A.R.L. Balance Sheet As of June 27, 1995

Assets:

Current Assets	
Checking/Savings	
NFARL Checking	1,634.01
Petty Cash	66.35
Total Checking/Savings	1,700.36
Accounts Receivable	
Receivables	1,460.00
Total Accounts Receivable	1,460.00
Other Current Assets	
Savings Account	4,599.79
Total Current Assets	4,599.79
Total Assets	7,760.15

Liabilities & Equity:

Liabilities	
Current Liabilities	
Other Current Liabilities	
Sales Tax	-0.75
Total Other Current Liabilities	-0.75
Total Current Liabilities	-0.75
Total Liabilities	-0.75
Equity	
Open Balance Equity	3,239.50
Retained Earnings	2,582.63
Net Income	1,938.77
Total Equity	7,760.90
Total Liabilities & Equity	7,760.15

Repeater Sleep Mode

Beginning some time later this year, both N.F.A.R.L. repeaters will have a new feature. To help with night-time monitoring, all club repeater will go into a "sleep" mode at 11 PM, and return to normal operations at 6 AM.

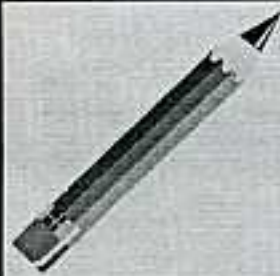
Once a repeater is in sleep mode, it may be "awaken" and used by any member of the club. All that will be needed is the entry of your ID number and password. Once activated, the repeater will stay up for a pre-determined amount of time.

Once asleep again, only a valid ID and password will awaken the repeater for further use.

Since most repeater operation during the late evening and early morning hours has little monitoring, by instituting this feature, repeater managers can be assured that the repeaters are only used by qualified individuals who realize that the responsibility of each repeater falls upon the club and its members.

AMATEUR OF THE YEAR NOMINATIONS

It's time again to be thinking about nominations for Amateur of the Year. As you know, in October, the N.F.A.R.L. requests nominations for the annual Amateur of the Year award. A very nice plaque is presented at the December meeting to the ham who best exemplified the spirit of Amateur Radio in Atlanta during the past year. Please note, the recipient does not have to be an N.F.A.R.L. member. So start thinking about who should receive this very important award and honor for 1995.



Quarterly Secretary's Report

April 12, 1995

The meeting was convened at 7:34 PM at Ryan's Steakhouse. The evening's presentation was a packet demonstration presented by John Farr, KD6CLO.

Both the treasurer's and the secretary's reports are to be included in the next newsletter. An item omitted from the April treasurer's report was the check to be written for the 440 repeater controller card.

Our first topic of discussion was Ham Radio '95. Thanks were extended to all club members who were able to donate their time to work this event. Special kudos to Jonathan, KE4UTT, and Michelle, WA4WSP, who both worked all 3 days of the event. The members in attendance seemed pleased with the event as a whole. The hope is that this event would be repeated next year.

Jeff Weinberg, AA4RC, suggested that we revive an old meeting item: All members in attendance were asked to stand and introduce themselves to the group. It was really great being able to match faces to those familiar voices!

The next topic of discussion was our annual auction, to be held at Gordon's Auction Barn in Cumming on May 10, 1995. All members were urged to spread the word to other amateurs and/or other radio clubs to encourage greater attendance. The picnic gathering was scheduled for 6:00 PM, and the auction was to commence at 8:00 PM. Of the sales proceeds, 10% was to go to the NFARL; minimum bids will be permitted. Talk-in was to be on

145.47.

Al, KC4RIB, had been working on press releases for Field Day (June 26 and 27). He was looking for suggestions and amendments to the material. Al has also been working as our liaison for the Atlanta Olympics next year and has volunteer applications.

On the subject of vanity call signs, Jeff, AA4RC, advised that the new forms needed to apply for the call signs would not be available until May, 1995. Further discussion led to a vote being called re: a club call sign for the repeater to replace Fred's, N4CLA. That vote was approved by a majority of the members present.

Steve, KS4KJ, our '95 Field Day coordinator spoke next. Our president, Jeff, AA4RC, has proposed a target of 12,000 points this year, which would be slightly less than double last year's results. Field Day will again be at the Roswell soccer field, just under the water tower. A picnic will be set up at 6:00 PM. Attendees are asked to provide a dessert or side dish, and the club will provide hot dogs, hamburgers, sodas and condiments. Steve needs both volunteers and equipment for the weekend, especially computers for logging contacts.

Brad, AB6FD, continues to run the Insomniac Net each Tuesday at 10:30 PM. This is a great way to both demonstrate and build your trivia knowledge. So be sure to drop in!

New licensees who attended the meeting were Dan, KE4WYV, and Steve, KE4WLK.

Thanks for meeting with us guys, hope to see you at many more meetings. There were no reports of upgrades among the membership. There were no visitors.

Rose, KE4MCW, asked for any volunteer radio operators who could help out with the Roswell March of Dimes Walk-a-Thon to contact Chuck, KD4LXQ.

We were reminded that the club receives \$5.00 for new ARRL memberships submitted through the club, as well as \$2.00 for each renewal submitted through the club. Please keep this in mind when considering ARRL membership or renewal. It's an easy way to contribute to our club's revenues.

A brief discussion of Hamwatch '95 followed. The meeting was closed at 8:05 PM.

May 10, 1995

A brief meeting was convened at 7:50 PM. This evening's activity was our annual auction. After extending thanks to Gordon for supplying his Auction Barn for the festivities, the auction rules were explained by Jeff, AA4RC, club president.

The next newsletter will be published in July '95, and will include the treasurer's and secretary's reports. The newsletter will include an application for membership to the NFARL, which is also available from Jeff, AA4RC. Please

(Continued on page 10)

(Continued from page 9)

remember that ARRL memberships and renewals done through the club generate revenue for the club.

The subject for the June meeting will be Field Day! Steve Mays, KS4KJ, will have all the info on Field Day, and has already been hard at work soliciting volunteers and equipment.

Remember the contest in the last Squelch Tales? The photo was correctly identified by all entrants as our own Fred Moore, N4CLA. That photo was of Fred as a 14 or 15 year old while he was living in Germany. A drawing was held to determine the winner. Mike Cook will receive a gift at the June '95 NFARL meeting.

One new licensee was present: Jared, KE4ZAA. Marshall, N4DQJ, had upgraded to General Class.

Avery, WB4RTP, had books, catalogs and magazines to give away.

Adam, KE4ENH, announced the start dates for the '95 NFARL Bowling League at the Roswell Brunswick Lanes. A bowling party sponsored by the bowling center was to be held Friday, May 12, at 7:30 PM.

The meeting concluded at 8:05 PM.

June 14, 1995

The meeting convened at 7:48 PM, directed by our Vice President, Steve Mays, KS4KJ, in the absence of President, Jeff Weinberg, AA4RC. The program for the evening was Field Day '95.

After everyone stood and introduced themselves, Steve asked anyone with ideas for future programs to contact Jeff, AA4RC. The other issue raised for consideration was locating an alternate meeting site. We are seeking a quieter location, but it still should be a restaurant environment in the same general area. Anyone with a recommendation should contact Jeff, AA4RC, or Steve,

KS4KJ.

The deadline for inclusion in the next newsletter is June 23. The secretary's report will be in the newsletter. Fred, N4CLA, had some information from the treasurer's report which will be included in the newsletter. The figures were approved by the membership. If you received your annual statements from the club, please submit your dues promptly.

Fred, N4CLA, also gave the technical report. As you have noticed, the controller has a new voice now; group comment was positive. The 440 repeater may be closer. When Fred gets to the mountain to check for noisy connectors, he will attempt to set up the 444.475 machine as well. Keith, KE4TEG, asked how the upcoming 10 digit telephone number requirement would affect each user's programmed speed dials. While the software to allow 10 digit numbers on the system will be loaded by Fred, each user will be responsible for updating his/her own entries with the applicable area codes.

Steve, KS4KJ, had the individual receipts that had been picked up at the manager's request. He also asked everyone to leave a gratuity as it had not been billed with the meals as per prior arrangements.

A new licensee joined us this evening: John Mills, KE4WOB. When you hear John on the air, please make him feel welcome. There were no upgrades reported.

Chuck, KM4KB, announced that he had several years of magazines begging for a good home. The last announcement was to remind everyone of the Amateur Family Breakfast at the Southern Skillet restaurant in Roswell on the 3rd Sunday of each month.

The meeting concluded at 8:05 PM.

Respectfully submitted,
Rose Daley, KE4MCW,
NFARL secretary

1995 Public Service Calendar

Please provide comments, additions, and corrections to Chuck Daley, KD4LXQ, 475-8140.

July 4

Where: Atlanta

What: Peachtree Road Race

Contact: Tim Doolittle, KA4RCR, 489-8979

Comments: Half-day event

July 4

Where: Atlanta

What: WSB Parade

Contact: To be determined

Comments: Half-day event

July 20 - 24 (Thurs. - Mon.)

Where: Multiple locations

What: Georgia Games

Contact: Hugh Manning, WB4DEB, 987-0668

Comments: Multi days/multi locations

September 16 (Saturday)

Where: Dunwoody

What: Juvenile Diabetes Found. Walk

Contact: Mark Coleman, KJ4YM, 565-8137

Comments: Half-day event

September 16 & 17 (Sat. & Sun.)

Where: Atlanta - Eatonton and return

What: MS Society MS 150 Bicycle Tour

Contact: Steve Knittel, KC4YBO, pager 785-8412

Comments: Two-day event with overnight.

September 30 (Saturday)

Where: Sandy Springs

What: American Diabetes Walktoberfest

Contact: To be determined

Comments: Half-day event

Report & Order

If you know where to look on the Internet, you can get, first hand, all the information you would ever want to get regarding the Federal Communications Commission, free to the public each day. Most people hold the FCC in absolute awe, but they are a regulatory body, just like the Food & Drug Commission. In order to help "demystify" the FCC to some degree, I have replaced the "In My Opinion" column with "Report & Order". When appropriate, this column will contain Report and Orders, and any other public materials that relates to Amateur Radio. Of particular interest is the Report and Order regarding Vanity Callsigns, with the section of the Appendix that states how the Amateur Rules will be changed. It makes for very interesting reading....

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D. C. 20554
940374

In the Matter of) FCC 94-343
)
Amendment of the Amateur) PR Docket No. 93-305
Service Rules to Implement)
a Vanity Call Sign System.)

REPORT AND ORDER

Adopted: December 23, 1994 Released: February 2, 1995

By the Commission:

I. INTRODUCTION

1. On December 13, 1993, we adopted a Notice of Proposed Rule Making (Notice) in the above-captioned proceeding. In the Notice, we proposed to amend our rules to provide a system for the assignment of vanity call signs to amateur stations. This item adopts final rules implementing a vanity call sign system.

2. Each new amateur station licensed by the Commission is assigned a unique call sign. An automated process selects the call sign according to our sequential call sign system. Until recently, we have been unable to accommodate the many thousands of requests that we receive for call signs of the licensee's choice. One of our many steps in reinventing Government is to implement new licensing processing capabilities that make it practicable to grant such requests. To this end, we proposed a vanity call sign system, and asked for public comment on our proposal. We further proposed to use our increased capabilities to resume issuing new club and military recreation station licenses. We received one hundred and five timely comments and four timely reply comments. All of the comments have been carefully considered.

3. The comments confirm the ardent desire of many amateur operators to select the call signs for their stations and their willingness to pay a fee for this service. There were, moreover, several excellent improvements to the proposed system suggested. We hereby adopt rules for a vanity call sign system, incorporating several suggestions from the commenters as discussed below.

II. DISCUSSION

Fairness

4. A major concern of the amateur service community is that the system adopted for allocation of vanity call signs be fair and equitable. Specifically, many commenters suggest using a method of priority with respect to filing applications for vanity call signs. The American Radio Relay League (ARRL) states that, in the interest of fairness and efficiency, the timing and priority in the filing of applications should be

important facets of the system that we adopt. The ARRL favors giving the first priority in applying for a call sign to the former holder or, where the holder is deceased, to a close relative. Several commenters favor giving high priority to those who hold the higher classes of operator license. Other commenters favor giving priority to those who have held their licenses the longest.

5. The ARRL's suggested method is to open the system gradually through four "starting gates." Gate One would allow a previous holder to apply for that call sign or, where the holder is deceased, a close relative could apply. Gate Two would allow the 66,000 Amateur Extra Class operators, who have passed the most difficult license examinations, to apply. Gate Three would allow the 112,000 Advanced Class operators, who have passed the second most difficult license examinations, to apply. Gate Four would open the system to any licensee. A club station license trustee would also be allowed to apply for the call sign of a deceased former holder.

6. The suggestions regarding filing priority and fairness are persuasive. Given the strong interest in vanity call signs shown in the comments, it is obvious that the number of applications filed initially could be very large. We agree that a filing priority schedule would be helpful in maintaining fairness and efficiency during the initial implementation of the system, as well as ease administrative burdens on the Commission. The suggestions concerning giving the highest filing priority to former holders and close relatives of deceased holders appear to be perceived as fair by the amateur service community generally, as does the giving of high priority to those who hold the higher classes of operator license. Information on the class of operator license held by each amateur operator, moreover, resides in our licensee data base and lends itself to an automated process. Information on the length of time a person has been an amateur operator is not readily available, thus making that criterion impracticable to use as the basis of a filing priority schedule. Thus, after all amateur operators have been given an opportunity to obtain call signs that they, or deceased close relatives, formerly held, we will use operator license class as the basis for the filing priority schedule. In this regard, we are adopting the ARRL's suggested starting gates.

7. We will announce the opening of each gate by a Public Notice. The first gate will open as soon as our new FCC Form 610-V is available and our licensing facility is prepared to begin processing the applications. Gate One will open the system to the smallest group, i.e., a few thousand prior holders and close relatives of deceased prior holders. This phase will provide validation of our system procedures and alert us to any adjustments needed. We will then open the subsequent gates at such times as it is clear that the system is ready to accommodate more applications. We will also continue our sequential call sign system for new licensees and for those who do not want vanity call signs.

Assignable call signs

8. In the Notice, the system we proposed would require applicants to file a form, together with the required fee, with our fee collection contractor. The applicants would request that their station licenses be modified to

show vanity call signs. We further proposed that the applicant would list on the form a maximum of ten call signs in order of personal preference. After receiving the forms from our contractor, we would use an automated process to compare each applicant's list of preferred call signs with the list of call signs that are assignable at that time. The forms would be processed in the order they are received at the processor's work station. The first assignable call sign from the applicant's list would then be assigned to the station.

9. We requested comments on how the call signs that are already assigned could be made known to applicants so as to allow them to make prudent requests and thereby increase the probability that their requests can be granted. The ARRL states that private sector entities can easily provide applicants with lists of assignable call signs, but only after the initial surge of applications is completely processed. Until such time, even with starting gates, it foresees a very heavy demand for certain specific call signs so as to make it difficult for the applicant to determine which call signs are assignable. The ARRL suggests, therefore, that an applicant be permitted to submit a preferential list of twenty-five call signs, thus increasing the chances of requesting an assignable call sign. We agree with ARRL that increasing the number of call signs that may be requested will reduce the number of unsuccessful applicants. We will allow, therefore, applicants to list up to twenty-five call signs in order of preference.

10. The ARRL prefers that an applicant be permitted to request only those call signs that are assignable to stations in the call sign region where the licensee resides. We have carefully considered this suggestion. We have decided, however, not to impose that limitation. Otherwise, the applicant's choice of vanity call signs would be reduced to ten percent or less of the call signs that would otherwise be assignable to the station. A limitation based upon the person's place of residence, moreover, could easily be circumvented by using a mailing address in another call sign region.

11. We proposed that a call sign vacated by a licensee be made assignable immediately under the vanity call sign system. Several commenters, however, believe that a two-year period is necessary before a call sign again becomes assignable in order to avoid confusion in over-the-air station identification, to maintain accuracy in the licensee data base, and to accommodate QSL bureaus. Further, they believe that it would preclude "trafficking in licenses" where a licensee, in exchange for some type of consideration, vacates a desirable call sign so that another licensee could immediately apply for it before its assignability becomes known generally. A two-year interval would, moreover, make the assignability of vacated call signs consistent with the assignability of a deceased person's station call sign, or a licensee's expired station call sign. The comments are persuasive on this point. Therefore, the rules will reflect that a vacated call sign will not be assignable for a two-year waiting period.

Club stations

12. There was support in the comments for resumption of the issuance of new club station licenses. In the Notice, we proposed that an applicant for a vanity call sign must be a current holder of a station license. The Hill Country Radio Club (Hill) suggests that applicants for new club station licenses be able to request a vanity call sign immediately, rather than having to wait and apply after they receive licenses. Hill considers a two-step procedure ponderous and unfair to new clubs that have been precluded from obtaining club licenses for many years. The two-step process, however, is an administrative necessity because of the fee required for a vanity call sign. The application for a vanity call sign is the only amateur service application that must be filed with our fee collection contractor. Persons not already holding a club station license, therefore, must first apply for and receive a license before they can file an application with the fee collection contractor requesting that the license be modified to show a vanity call sign. However, we will begin accepting applications for club and military recreation station licenses on the date this Report and Order becomes effective. In many cases, therefore, the license trustee will be able to obtain a license document and thus will be eligible to apply for a vanity call sign for the club station when the starting gate for his or her class of operator license opens. The final gate will also allow a club station licensee trustee to apply for the call sign of a deceased former holder. The license trustee must obtain a written consent from a close relative of the deceased.

Special event stations

13. The ARRL requests that specific call signs in a unique call sign block be made assignable only to certain special event stations, and suggests the one-by-one call sign block for this purpose. The ARRL states that such specific call signs should be

reserved for assignment to stations operating in conjunction with short term special events of national significance. A special event vanity call sign system may meet the needs of amateur operators for temporary operation of their stations during events that are of special significance to the amateur service community. We will, therefore, set aside the one-by-one call sign block until the matter can be addressed in a separate proceeding.

Filing procedures

14. In our Notice, we asked for comments concerning alternative ways, such as magnetic computer disks, that applicants could use to apply directly to the Commission for a vanity call sign. Several ways were suggested. One commenter suggests a procedure where applicants would file the application form by facsimile and provide a credit card number. His second suggestion is an electronic on-line filing procedure where the applicant answers a series of questions to search the Commission's data base for an assignable call sign. If the call sign is assignable, the applicant would file an application form after paying the fee by credit card. The Commission's printed acknowledgment of the transaction would constitute a temporary license. These suggestions were helpful and we will investigate these ideas for possible future use.

15. Some commenters believe that the fee charged for a vanity call sign should be charged on a one-time basis only, and that no fee should be required when the license is renewed. The ARRL believes that a one-time fee is more appropriate because the Commission's additional workload occurs at the time of the initial processing of the vanity call sign. Section 9(g) of the Communications Act of 1934, as amended, currently provides for the payment of an annual fee of \$7.00 for an amateur station vanity call sign. Because the normal term of an amateur station license is ten years, a fee of \$70.00 will have to be paid when requesting a new or renewed vanity call sign. At this time, under the Communications Act, we cannot provide a one-time fee for processing vanity call sign applications.

III. CONCLUSION

16. We have decided to offer a vanity call sign system to the amateur service community, in recognition of the strong sense of identity among amateur operators that is grounded in the call signs of their stations. We have also decided to resume issuing new club and military recreation station licenses. We see these actions as fundamental to our commitment to put the needs of people first in providing the services that they want. We are pleased to be able make this new system available to the amateur community. Therefore, we amend the amateur service rules to implement a vanity call sign system as set forth in the attached Appendix.

IV. ORDERING CLAUSES

17. Accordingly, IT IS ORDERED that effective March 24, 1995, Part 97 of the Commission's Rules, 47 C.F.R. Part 97, IS AMENDED as set forth in the Appendix hereto. Authority for this action is found in Section 4(i) and 303(r) of the Communications Act of 1934, as amended, 47 U.S.C. 154(i) and 303(r).

18. IT IS FURTHER ORDERED that this proceeding IS TERMINATED.

19. For further information, contact Maurice J. DePont, Wireless Telecommunications Bureau, 202-418-0690.

FEDERAL COMMUNICATIONS COMMISSION

William F. Caton, Acting Secretary

APPENDIX

Part 97 of Chapter I of Title 47 of the Code of Federal Regulations is amended as follows:

Part 97 - Amateur Radio Service

1. The authority citation for Part 97 continues to read as follows:

Authority citation: 48 Stat. 1066, 1082, as amended; 47 U.S.C. 154, 303. Interpret or apply 48 Stat. 1064-1068, 1081-1105, as amended; 47 U.S.C. 151-155, 301-609, unless otherwise noted.

2. Section 97.3 is amended by redesignating paragraphs (a)(11) through (a)(45) as paragraphs (a)(12) through (a)(46) and adding new paragraph (a)(11) to read as follows:

97.3 Definitions

(a) ***

(11) Call sign system. The method used to select a call sign for amateur station over-the-air identification purposes. The call sign systems are:

(i) Sequential call sign system. The call sign is selected by the FCC from an alphabetized list corresponding to the geographic region of the licensee's mailing address and operator class. The call sign is shown on the license. The FCC will issue public announcements detailing the procedures of the sequential call sign system.

(ii) Vanity call sign system. The call sign is selected by the FCC from a list of call signs requested by the licensee. The call sign is shown on the license. The FCC will issue public announcements detailing the procedures of the vanity call sign system.

* * * * *

3. Section 97.17(f) is amended by revising paragraph (f) and adding paragraph (h) to read as follows:

97.17 Application for new license or reciprocal permit for alien amateur licensee.

* * * * *

(f) One unique call sign will be shown on the license of each new primary, club, and military recreation station. The call sign will be selected by the sequential call sign system.

* * * * *

(h) Each application for a new club or military recreation station license must be submitted to the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. No new license for a RACES station will be issued.

4. Section 97.19 is added to read as follows:

97.19 Application for a vanity call sign.

(a) A person who has been granted an operator/primary station license or a license trustee who has been granted a club station license is eligible to make application for modification of the license, or the renewal thereof, to show a call sign selected by the vanity call sign system. RACES and military recreation stations are not eligible for a vanity call sign.

(b) Each application for a modification of an operator/primary or club station license, or the renewal thereof, to show a call sign selected by the vanity call sign system must be made on FCC Form 610-V. The form must be submitted with the proper fee to the address specified in the Private Radio Services Fee Filing Guide.

(c) Only unassigned call signs that are available to the sequential call sign system are available to the vanity call sign system with the following exceptions:

(1) A call sign shown on an expired license is not available to the vanity call sign system for 2 years following the expiration of the license.

(2) A call sign shown on a surrendered, revoked, set aside, cancelled, or voided license is not available to the vanity call sign system for 2 years following the date such action is taken.

(3) Except for an applicant who is the spouse, child, grandchild, stepchild, parent, grandparent, stepparent, brother, sister, stepbrother, stepsister, aunt, uncle, niece, nephew, or in-law, and except for an applicant who is a club station license trustee acting with the written consent of at least one relative, as listed above, of a person now deceased, the call sign shown on the license of a person now deceased is not available to the vanity call sign system for 2 years following the person's death, or for 2 years following the expiration of the license, whichever is sooner.

(4) Except for an applicant who is the spouse, child, grandchild, stepchild, parent, grandparent, stepparent, brother, sister, stepbrother, stepsister, aunt, uncle, niece, nephew, or in-law, and except for an applicant who is a club station license trustee acting with the written consent of at least one relative, as listed above, of a person now deceased who had been granted the license showing the call sign requested, the vanity call sign requested by an applicant must be selected from the groups of call signs designated under the sequential call sign system for the class of operator license held by the applicant or for a lower class.

(1) The applicant must request that the call sign shown on the current license be vacated and provide a list of up to 25 call signs in order of preference.

(2) The first assignable call sign from the applicant's list will be shown on the license grant. When none of those call signs are assignable, the call sign vacated by the applicant will be shown on the license grant.

(3) Vanity call signs will be selected from those call signs assignable at the time the application is processed by the FCC.

5. Section 97.21(a)(3) is revised to read as follows:

97.21 Application for a modified or renewed license.

(a) ***

(3) May apply for renewal of the license for another term. (The FCC may mail to the licensee an FCC Form 610-R that may be used for this purpose.)

(i) When the license does not show a call sign selected by the vanity call sign system, the application may be made on FCC Form 610-R if it is received from the FCC. If the Form 610-R is not received from the FCC within 30 days of the expiration date of the license for an operator/primary station license, the application may be made on FCC Form 610. For a club, military recreation, or RACES station license, the application may be made on FCC Form 610-B. The application may be submitted no more than 90 days before its expiration to: FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. When the application for renewal of the license has been received by the FCC at 1270 Fairfield Road, Gettysburg, PA 17325-7245 prior to the license expiration date, the license operating authority is continued until the final disposition of the application.

(ii) When the license shows a call sign selected by the vanity call sign system, the application must be filed as specified in Section 97.19(b)

The Hitchhikers Guide to the Repeaters

It was recently brought to my attention by a new member of the club that the repeater manual we send out to our members can be a bit overwhelming at first glance. I believe the term used was "daunting". In any event, during this same conversation, the thought struck me that it might be a good idea to cover some basic, repeater operations here in the newsletter so as to take away any misconception that because the repeater operator's manual is so extensive, that the repeater is hard to use. Nothing could be further from the truth. In fact, the repeater is very simple to use. One item that many of our newer members may not be aware of is that the repeater manual was not created just for the use of N.F.A.R.L. members. It is part of a larger commercial product created several years ago by three members of the club. The repeater controller, manual, accessories, programming, audio, etc. are all commercially available products of a company called A/D Technologies which has customers all over the country. The repeater manual itself is the creation of Fred Moore, N4CLA. (Call sound familiar?) In any event, let's cover some basic operating procedures to help you get the most from your club's biggest assets, the repeaters.

Operating each of the NFARL repeaters is a bit like operating a simple computer. In fact, the biggest, single strength of the repeaters is that each is indeed a simple computer. The quality of the echo test and other audio files is the result of storing what the repeater hears as computer files on a standard, XT-clone, computer hard disk. So when you look at the operator's manual, you are really looking at a way of "programming" the repeater for your own use. The reason I bring this up is that this analogy has helped many members familiar with computers to more easily grasp the operation of the repeaters. And, it also has helped me better explain repeater functions to people not really all that familiar with computers.

The Three Golden Rules

- The **first rule** to learn is "no matter what you do, you can't hurt the repeaters". You may accidentally hang one up for a while. But, you can't hurt them. Simply because, no one with a standard account has the security privilege to do anything permanently damaging. I have found that once users understand this, they feel better about using the repeaters.
- **Second rule**, practicing to use the repeaters over the phone is pretty much like using the repeaters over the air, except other users can still use the repeaters over-the-air. Please note, that if you want to practice using the repeaters over-the-air, **AVOID** doing so during "drive time". That's from around 6 AM to 9 AM, and 4:30 PM to 6:30 PM, Monday thru Friday.
- **Third rule**, always set up your account over-the-phone. It's more reliable, and much more secure. Just remember to press '999' before hanging up the phone to log-off.

Logging In

Logging into one of the NFARL repeaters, either over-the-air or over the phone, is very straight forward. The key thing to remember is that in order to use any feature of the repeater, you must first log

in using your user ID followed by your password. Once-upon-a-time, our basic test functions on the repeaters were open for anyone to use. But, there are some non-member souls out-and-about, who found that these functions were more of a toy than for serious use. So, we had to make all functions only accessible to our members.

The secret to logging in is to remember that you always need your 'user ID' immediately followed by your 'password'. Both the user ID and password are tones generated from a touchtone pad either over your radio or telephone. Valid tones are from '0' to '9'. The '*' and '#' keys are reserved for special uses.

Example: Station WA4XYZ is user ID number '123'. WA4XYZ wants to log in to the 145.470 NFARL repeater. To do so, WA4XYZ would go through the following steps:

WA4XYZ gets on 145.470 MHz with the repeater switch in the -600 KHz position. WA4XYZ listens to see if there is any immediate repeater activity. If there is none, WA4XYZ keys his mike (we'll assume that this station is male, ladies -ed.), and identifies himself over-the-air (i.e. "WA4XYZ" or "Is the repeater in use? This is WA4XYZ."), and unkeys their mike to listen for a response. The preferred way would be to ask if the repeater is in use. I ran across this type of situation a few weeks ago. I needed to make a phone patch home, tuned to the Roswell repeater, listened for a minute or two, heard nothing, ID'ed, got no response and proceeded to make my patch. After the patch was completed and I had logged off, a station called me to let me know that the repeater was being used for a net covering a public service event going on in Roswell at the time. My lesson learned: it's better to ask if the repeater is in use in order to avoid this situation from happening. No damage was done, but it may cause problems with nets and other uses of the repeaters.

If the repeater isn't in use, WA4XYZ keys his mike and says, "WA4XYZ accessing the repeater", and without releasing his push-to-talk button, immediately presses the touchtone keys to enter in his ID and password. For instance, WA4XYZ's password is '9876'. His logon key sequence would be <1239876> (userIDpassword), and unkeys the mike to let the repeater process the logon request, and respond.

☞ Notice that the user ID and password are entered as a single, uninterrupted string. (NOTE: by unkeying the mike, WA4XYZ is telling the repeater controller that this string of information he has just sent is complete, to please process it, and tell him what to do next. This is very important to remember. It's like pressing the 'ENTER' key on the computer after entering in a command on the command line. It causes the action you want to happen - to happen.)

If the correct information is entered, the repeater will transmit, "User 123", and if WA4XYZ has recorded a voice ID, his voice ID will follow this, followed by "Enter command." (If incorrect information has been entered, all WA4XYZ will hear is a single courtesy tone and nothing else.) At this point, WA4XYZ, has successfully logged into the 145.470 repeater, and can enter in any command available to a NFARL user.

Using a Test function

At this point, WA4XYZ wants to do an echo test to see how well his signal is getting into the repeater. WA4XYZ keys his mike and presses the '#' key and then the '1' key, i.e. <#1>. WA4XYZ then unkeys his mike and waits for the repeater to respond. If the command was successfully entered, the repeater will come back with, "Echo Test" followed by two beeps. WA4XYZ then keys his mike and says something like, "WA4XYZ testing the Echo Test function of the repeater". WA4XYZ then unkeys his mike, and the repeater IMMEDIATELY replays what it heard, EXACTLY the way it heard it. So if WA4XYZ hears a lot of static on the playback, he has that exact amount of static on his signal. Remember, the NFARL repeaters are totally digital, so what you hear is what others hear. Other test functions work the exactly the same way.

Sample Auto Patch

WA4XYZ wants to do an autopatch and has successfully logged on. When prompted by the repeater to enter a command, WA4XYZ keys his mike and presses '1'. If WA4XYZ has preloaded telephone numbers into his "phone slots", then he can enter the phone slot number he wants to dial and the repeater will automatically dial that number for him. For example, WA4XYZ has programmed his home telephone number into slot '0', and WA4XYZ wants to dial his home. In this case, all WA4XYZ would need to do is press the '1', '*', and '0' keys in sequence, i.e. <1*0>, and unkey the mike. The star is known as a "delimiter", and separates commands and parameters from each other. In essence, the '*' delimiter lets the repeater know that you are entering in multiple parts of a command

so that it knows when one part of a command ends and another begins. *Notice that no delimiter is entered at the end of the command string. That's because the end of the command is when WA4XYZ unkeys his mike.*

If the command was received successfully by the repeater, when WA4XYZ unkeys the mike he will hear the repeater respond "Speed dial 0", followed by a series of beeps as the repeater dials WA4XYZ's home number. (NOTE: The repeater does not repeat back a number dialed for security reasons.) From here on, the repeater acts like a telephone. A NOT-TOO-PRIVATE telephone that anyone with a radio can listen in on, *so remember that*. Remember too, that you are responsible for the content of your phone patches. WA4XYZ can also enter in any telephone number he wants manually (local only) by first entering in '1' and unkeying his mike. The repeater will then respond with "Enter number". WA4XYZ would then enter the full 7 digit number he wants, i.e. <1234567>. When WA4XYZ unkeys the mike, the repeater will announce "Autopatch" followed by a series of beeps. In this case, no '*' is needed since the repeater is prompting WA4XYZ through each step of the autopatch procedure. WA4XYZ can then talk with the other person, in this case his wife, for up to three minutes. When the call is complete, WA4XYZ presses the "hang up" key, the default is '#' (but can be set to any custom combination - see manual), and unkeys the mike. The repeater then hangs up.

The repeater then responds with, "Log traffic" followed by beeps. WA4XYZ keys his mike and says something like "WA4XYZ clear of the patch after speaking with my wife". WA4XYZ then unkeys his mike again, and the repeater responds with "Enter command" followed by beeps.

Logging Off

If WA4XYZ does not want to enter any more commands, he keys his mike and presses the log-off key, '#', followed immediately by unkeying his mike. The repeater then responds with, "Log Off", followed by the regular courtesy tone. That's it. No magic. My strong suggestion is to enter one command at a time and let the repeater prompt you for what it wants next. I know there are lots more commands, and ways of entering those commands. But, this article was only meant to be a basic walkthru.

If you should have further questions about the repeater, or would like to notify someone about activity or interference on any of the N.F.A.R.L. repeaters, you may contact any of the repeater control operators. They are: N4CLA - Fred, AA4RC - Jeff, and KD4TFG - Jeff. You can generally find us on the air during the day, or you can contact me at either 740-7939 for emergencies, or 552-9495 at all other times. I hope this "hitchhike" has helped. - Jeff - AA4RC

1995

Shining Star Awards

- KC4RIB Al Fischer**
- KC4WHZ George Scott**
- W4QO Jim Stafford**
- K4JMX Alan Dages**
- W4DQT Bill Plage**
- KR4MR Tom Nichols**
- N2EST Jim Massara**
- W4NZJ Jud Whatley**

**for using their time and talents to create the
SciTrek Amateur Radio Station.**

**Our mission is to bring the science and
technology of radio communications to our
public.**

Insert Membership Form Here



NFARL

Upcoming Programs

July 12 - How to use the repeater controllers. N4CLA - Fred Moore.

August 9 - Open for suggestions.

Sept. 13 - Open for suggestions.

October 11 - Open for suggestions.

November 8 - Election of Officers and general question & answer session.

December 13 - Annual Christmas Party.

January 10 - Open for suggestions.

February 14 - Open for suggestions.

March 13 - Open for suggestions.

April 10 - Open for suggestions.

May 8 - 5th Annual N.F.A.R.L. Auction. Bring items you wish to sell to this annual club favorite event.

June 12 - Field Day discussion. This is a great time to find out about this years Field Day plans and schedule.

Our Goal

Our goal is simply to be the best newsletter of its type in Atlanta. The N.F.A.R.L. newsletter should be something people look forward to getting 4 times a year.

In order to meet this challenge, this publication needs the support of its readers. If you have an article or letter of interest, please send them in to be published. The more contributors, the better the newsletter.

Also, if you have any comments or suggestions about this newsletter, please send them to the attention of the *Squelch Tales* Editor, P.O. Box 1741, Roswell, GA 30077.

Next newsletter:	Oct. 1
Articles Deadline:	Sept. 22
Announcements Deadline:	Sept. 19
Ads Deadline:	Sept. 15
News Deadline:	Sept. 22
Newsletter Cutoff:	Sept. 22

Squelch Tales

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Membership Expiration: 12/31/2000
Fred Moore III
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Roswell, GA 30075

Inside This Issue:

- ⇒ Repeater Command Summary
- ⇒ Hamfest Calendar
- ⇒ Report & Order from the FCC
- ⇒ Membership Application
- ⇒ Repeater Codes
- ⇒ Atlanta VEC Schedule
- ⇒ Latest Club Roster
- ⇒ Hitchhikers Guide to the Repeaters

