

Aug. '90



Ole Virginia Times

The OVH ARC Newsletter



"OLE VIRGINIA HAMS" AMATEUR RADIO CLUB, INC.
Post Office Box 1255, Manassas, VA 22110

Repeater: WA4FPM -- 146.97
WA4FPM -- 224.66

Digipeater: WA4FPM-1 -- 145.09
WA4FPM-3 -- 223.40

FROM THE PRESIDENT'S SHACK

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QSL cards will be ordered after the activity, when we know the exact number of contacts. The funds to order the cards will need to be authorized at the August meeting.

73's
Joe (AB4QV)

FUTURE SKYWARN SPOTTER TRAINING CLASSES

Many people who were interested in attending the first classes were unable and have requested future classes be arranged. Two more dates have been selected for classes to be held at the Sterling Office. So as to better anticipate the number of attendees, it is requested that you call to register (703) 260-0209.

Tuesday, August 21st, 7:00 p.m.
Thursday, September 6th, 7:00 p.m.

(Skywarn Newsletter, Aug. 1990)

Listen to the Westlink Report at 8:00 pm Thursday Evenings during the OVH Weekly Bulletin.

OLE VIRGINIA HAMS AMATEUR RADIO CLUB

OFFICERS AND COMMITTEES

DIRECTORS	703-361-7335	OFFICERS	703-369-5536
Bob McCann (W4RL)	703-494-2737	President - Joe Tutino (A24OV)	703-368-6050
Tim Wayne (K84NR)	703-361-9318	V. P. - Harry Vohauer (W4PVA)	703-369-5287
Mike Feher (N4FS)	703-369-2877	Secretary - Ken Moan (W4UH)	703-361-0008
Butch Blasdell (W4HJL)		Treasurer - Steve Frick (N4OGR)	
REPEATER TRUSTEE	703-791-4330	MAIL LIST	703-791-3839
Art Whittum (W1CRO)		Dick Miller (WD4AZG)	
FINANCE COMMITTEE		CLUB PICNIC COMMITTEE	
Tim Wayne (K84NR)	703-494-2737	Bernice Miller (K44SCA)	703-791-3839
Jim Lascaris (N42QJ)	703-791-2932	Mary Lou Blasdell (N84EFP)	703-369-2877
Al P'card (N4IQW)	703-368-0910	Dick Miller (WD4AZG)	703-791-3839
Lisa Miller (K4ARKJ)	703-968-3929	EDUCATIONAL COMMITTEE	
Steve Frick (N4OGR)	703-361-0008	Dick Miller (WD4AZG)	703-791-3839
OWN WEEKLY NET		1990 HAMFEST CHAIRMAN	
Harry Vohauer (W4PVA)	703-368-6050	Jim Lascaris (N42QJ)	703-791-2932
REPEATER CONTROLLERS		MEMBERSHIP CHAIRMAN	
Art Whittum (W1CRO)	703-791-4330	Jim McKinley (WD4QJY)	703-369-3940
Tim Wayne (K84NR)	703-494-2737	1990 FIELD DAY CHAIRMAN	
Milt Warnock (N4SN)	703-369-7265	Bonnie Frick (N4QPB)	703-361-0008
Jim Lascaris (N42QJ)	703-791-2932	HISTORIAN	
Steve Meade (K84OF)	703-368-6901	Greg Brunacci (N4RKY)	703-680-6425
Russ Stevens (W84HH)	703-368-6435	COMPUTER COMMITTEE	
Butch Blasdell (W4HJL)	703-369-2877	Dick Miller (WD4AZG)	703-791-3839
Mary Lou Blasdell (K84EFP)	703-369-2877	Milt Warnock (N4SN)	703-369-7265
Jack Gunsett (K14VP) -- D1g1peater	703-361-5255	Tim Wayne (K84NR)	703-494-2737
SCHOLARSHIPS			
Mike Feher (N4FS)	703-361-9319		
NEWSLINE REPORT			
Jack Gunset* (K14VP)	703-261-5255		
EMERGENCY COORDINATOR		TECHNICAL COMMITTEE	
Harry Vohauer (W4PVA)	703-368-6050	Butch Blasdell (W4HJL)	703-369-2877
SUNSHINE COMMITTEE		Jim Lascaris (N42QJ)	703-791-2932
Bernice Miller (K44SCA)	703-791-3839	Tim Wayne (K84NR)	703-494-2737
PROGRAM CHAIRMAN		Bob McCann (N4RL)	703-361-7335
Jeff Barr (K84JND)	703-830-1150	REFRESHMENTS	
CLUB NEWSLETTER		Moody Woodworth (N4MQ)	703-754-9377
Bonnie Frick (N4QPB)	703-361-0008	F. A. R. REPRESENTATIVE	
GENERATORS		Mike Squire (N4REI)	703-754-4875
Tommy Watts (K44AFU)	703-369-2741	PUBLICITY CHAIRMAN	
PUBLICITY CHAIRMAN		Greg Brunacci (N4RKY)	703-680-6425



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Al Picard (W4IQH)	703-968-3929	Tim Wayne (KB4NR)	703-261-7335
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Tim Wayne (KB4NR)	703-369-7265		
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Jack Gunsett (K14VP) --		F.A.R. REPRESENTATIVE	703-754-4875
Digipeater		Mike Squire (N4REI)	
SCHOLARSHIPS	703-361-8318	GENERATORS	703-369-2741
Mike Feher (N4FS)		Tommy Watts (KA4AFU)	
NEWSLINE REPORT	703-361-5255	PUBLICITY CHAIRMAN	703-680-6425
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		COMPUTER COMMITTEE	
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Ole Virginia Hams Amateur Radio Club, Inc.

The National Traffic System Primer for Packet

De
NS5N

More and more of us are becoming active in Packet communications and with this activity and interest, belongs traffic handling.

The National Traffic System or NTS began many years ago with the intent to handle just that, national traffic. It has expanded to include international as well. There is a terrific amount of traffic which is being handled on a daily basis which many people are not aware of. I am not saying that we all jump in and start pulling traffic from the net and distributing it, but the development of Packet has made this task extremely easy to do.

As with any organized system, there are rules to follow. I began by practicing with a friend locally and, fortunately, one which was versed in net procedure and quite forgiving.

Many, if not all of us have been exposed to or at least seen the green and yellow pads with the word "RADIOGRAM" emblazoned upon it. With the use of one of many of the aids available, you can successfully complete one of these forms and send a short but informative message to a friend or loved one anywhere (practically) in the Country. However, if you are not familiar with NTS procedures on either the voice or CW nets, you can be a bit intimidated by doing such; and, with some nets, may not be allowed to introduce traffic if you are not a regular.

Enter Packet. All that is required to enter the message into the Packet NTS is the addition of two lines at the beginning, and, of course, be logged on to a mail forwarding system. The latter is easy enough to find out. Just enter "LT" and see if there is any "NTS*" responses. This is

not always a sure bet if the board is scanned by traffic handlers and cleaned out on a regular basis, but it works for most. The former is done by the following:

1. ST 2110 @ NTSVA
2. QTC Manassas 703/330

In the first line: "ST" (send traffic to) "22110" (the Zip Code area) "@" (at) "NTSVA" National Traffic System Virginia (or whichever NTS traffic system is used for final delivery) (always use the correct two letter state abbreviation).

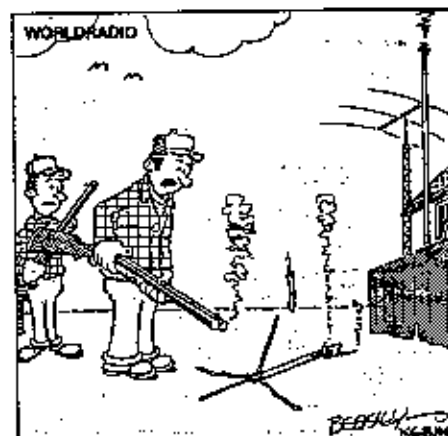
In the second line: "QTC Manassas" (the city of destination) and "703/330" (the area code and prefix so the message can be forwarded as close as possible for completion by a phone call, if practical).

Then just send the Radiogram as you normally would. Then just send the Radiogram as normal. I load mine into a file for ASCII transfer.

It doesn't get any easier than that!! So, jump up there and try sending some traffic some time to someone you love!

73

de J. Edgar (NS5N)



WHAT KIND OF A STRANGE LOOKING PERSON IS THIS THAT MY DOVE WAS SITTING ON ?

FOR YOUR INFORMATION

Basic Life Support -- CPR Course:

Prince William Hospital is sponsoring courses for CPR on the following dates:

September 10, 12, 1990
October 1, 2, 1990
November 5, 6, 1990

The classes will be given from 6:00 p.m. until 9:00 p.m.

FEE: \$18.00 (non-refundable)

Registration is required. To register: Contact Educational Services at 369-8380

Morse Code Requirements:

People with disabilities will get a break on Morse code requirements, the FCC announced June 15. The new procedures will allow volunteer examiners more flexibility in administering exams to handicapped or disabled people. Given a physician's statement attesting to the disability, examiners may be able to substitute a Morse sending test for one in receiving, to allow spoken instead of written copy and to use a Morse code recognition exam. (QST, Aug 1990)

Reciprocal Operating Agreement:

The US and Canada share a automatic reciprocal operating agreement making your original FCC license valid in Canada. If you have difficulty getting your equipment through Customs, tell the officer to refer to Memoranda D2-1-1 (p. 7) and D19-4-2 (p. 4). This will remind the officer that you can take your equipment into the country as a part of your personal baggage. You also will need to declare your equipment by completing Customs Form 4457 so you won't have to pay a duty when leaving Canada. (QST, June 1990)



I GOTTA SIGN WITH YOU NOW,
JOE -- I THINK I JUST HEARD
A SNAKE IN THE CAR!

★ ★ ★ ★ ★ ★ ★ ★
L H B U R

★ ★ ★ ★ ★ ★ ★ ★
W A Y

HARRY'S HAPPENINGS

July 15th, 1990:

The Prince William Park Authority sponsored a "Summer Sizzler" Bike Tour in which 93 bikers and 6 Hams (including myself) participated. The weather cooperated, no wind and rain only at the end of the ride. There was only one happening of any consequence when a rider broke a casing and had to be transported to the Start/Finish Line.

Thanks to Keith (KM4AA), Steve (WB2CEV), Mike (KC4IRL), Glenn (KBJOI), Joe (AB4QV).

Decibels and Repeater Interference:

Historically the Decibel (DB) originated with the Bell Telephone Company. The DB was defined to be the least amount of volume change the human ear could detect. It was found that the mathematical expression "10 times the common logarithm of the ration of the two volumes (powers) that constituted the change" would satisfy the characteristic of the ear. As a formula this is:

$$10 \log_{10} \frac{P1}{P2}$$

Hence the name Deci-Bel (Decibel) -- a contraction of the decimal of the logarithm and Bell (telephone).

In solving the equation for one DB, one discovers that a power change of 1.25:1 is necessary.

In order to make a significant change, one needs a change of say six or ten DB.

A hand held transceiver, operating at one-half watt, if changed to five watts would represent a ten DB change of power.

If a home station were to increase its power from fifty watts to five hundred watts, a ten DB change of power output would be the proper expression.

Now, consider the "S" meter on a HF band receiver and think of the above.

A frequency modulation signal has a peculiarity called "capture effect". With FM, this capture effect causes the stronger of two signals being received simultaneously to "capture" the receiver if the stronger is three to four DB more than the other signal. And, only the stronger signal will be heard. Note: the stronger signal must be two or more times stronger than the weak one as observed at the listening station.

The Ole Virginia Hams two meter and two hundred twenty megacycles repeaters are cross-linked at the audio level. Therefore, no capture effect occurs if the two interfering stations are on these two bands (one on each band). Only audio combining would result. Thus, skip interference on one band can be wiped out by a strong signal on the same band, but if the skip and strong signals are on separate bands, audio interference will result.

73's

Harry (W4PVA)

Make a difference—
VOLUNTEER

PROBLEMS

1. There are two ladders erected in an alley. One is 30 feet long and the other is 40 feet long. They cross like an X at a height of 10 feet. How wide is the alley?

A solution is required, not an answer. "Cut and Try" is not permitted. We want an equation so that any figures can be entered for the solution. If you think this one is easy, try it!

2. The second problem is not so difficult. A point in a square is 3 inches from one corner, 4 inches from another corner and 5 inches from another corner. What is the length of the side of the square?

If all fails, drop me a line and I will send you the solutions.

Andy Anderson (KONL)

(ARNS Bulletin, *The Old Grouch*, July 1990)

SWAP AND SHOP

Items to Sell:

1. Clegg FM 27B Transceiver. 25 W, 12 Volt Unit. Covers 146 and 147 MHz. \$90.00
2. Sears FM Transceiver. 10 W, 12 Volt Unit. Crystal control with about 10 sets of popular crystals. \$85.00
3. Hygain Handitalkie. Crystal Control with 146.52. Will cover 6 crystal sets. \$50.00

Contact LeRoy (N4ANW) at (703) 266-0247

NOTES FROM THE EDITOR

The Ole Virginia Times is published monthly by the Ole Virginia Hams Amateur Radio Club, and is mailed free to members of the OVHARC. Permission is granted for use of material contained within this Newsletter, provided proper credit is given. This Editor will exchange Newsletters with other Clubs and Associations upon request. Newsletter deadline for submission of articles is the 5th of each month. The Newsletter is entered as First Class Mail at the Manassas Post Office, Manassas, Virginia.

We are always looking for interesting items for the Newsletter. If you see articles, have shack tips, items for sale, items wanted, brain teasers, etc., please send them to the Newsletter Editor c/o OVH, Post Office Box 1255, Manassas, Virginia 22110; or, give me a landline (361-0008 or 690-6547). If it is interesting to you, chances are it will be interesting to others!

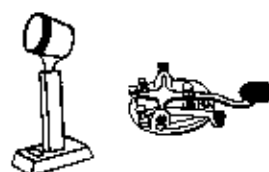
73's

Bonnie (N4QPB)
Editor

NEXT MEETING

The next meeting of the OVHARC will be on Monday night, August 20th, at 8:00 p.m., in the basement Meeting Room of the Northern Virginia Electric Co-Op, 10323 Lomond Drive, Manassas, Virginia.

We look forward to seeing you there!





CALENDAR FOR AUGUST AND SEPTEMBER

19 AMER EAGLE NET @ 1700 ON 28.340		20 OVH CLUB MEETING		23 NVFMA NET @ 2000 146.19/79	25 OVH NET @ 2000 146.97 224.66	24	28 WOODBRIDGE NET @ 2100 28.440 VEC EXAMS LAUREL, MD
26 AMER EAGLE NET @ 1700 ON 28.340	27	28 WIAW QUALIFYING RUN	29 NVFMA NET @ 2000 146.19/79	30 OVH NET @ 2000 146.97 224.66	31	1 WOODBRIDGE NET @ 2100 28.440 VEC EXAM RICHMOND, VA	
2 AMER EAGLE NET @ 1700 ON 28.340	3	4	5 NVFMA NET @ 2000 146.19/79 NEWSLETTER DEADLINE	6 OVH NET @ 2000 146.97 224.66	7	8 WOODBRIDGE NET @ 2100 28.440 VEC EXAM GERMANTOWN, MD VHF QSO PARTY	
9 AMER EAGLE NET @ 1700 ON 28.340 GAITHERSBURG HAMFEST VHF QSO PARTY	10	11	12 NVFMA NET @ 2000 146.19/79	13 OVH NET @ 2000 146.97 224.66 VEC EXAM PENTAGON ARC	14	15 WOODBRIDGE NET @ 2100 28.440 VIRGINIA BEACH HAMFEST & CONVENTION	
16 AMER EAGLE NET @ 1700 ON 28.340 VIRGINIA BEACH HAMFEST & CONVENTION	17 OVH CLUB MEETING	18	19 NVFMA NET @ 2000 146.19/79	20 OVH NET @ 2000 146.97 224.66	21	22 WOODBRIDGE NET @ 2100 28.440 VEC EXAMS LAUREL, MD	

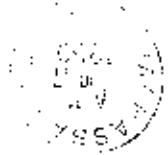
NOTES: 1. For more information on VEC testing, contact Harry W4PVA.

2. The Powwow net meets daily at 2100 on 28.400.

3. VEC exam will be given at the Virginia Beach Hamfest on 16 September, 1990



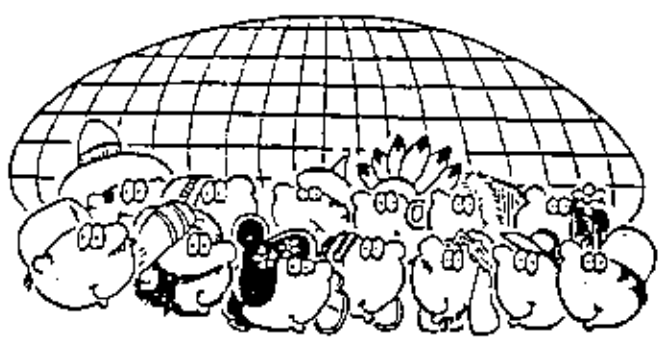
FIRST CLASS MAIL



Ole Virginia Hams A.R.C., Inc.
Post Office Box 1255
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AUGUST

Check your license expiration date.



WORLD WIDE FRIENDSHIP THROUGH AMATEUR RADIO