

The Monitor

Published jointly by the Valley Amateur Radio Association and the Massanutten Amateur Radio Association,
Dedicated to serving those interested in Amateur Radio in Virginia's Shenandoah Valley

Field Day Issue

What an issue! Club members sure get your money's worth this month!

Be sure to check Page 2 for several neat For-Sale Items. Also note that Bob's Knob Picnic is offering a tailgate, plus some "adult" entertainment! See the top of page 2!

Remember to upgrade to Extra on June 8 before the question pool expands.

There is a new repeater on 444.775 MHz. Read about it on page 3.

The Opinionated One gives us a useful activity to keep the non-ham XYLs and friends entertained at Field Day, or even at club meetings. See his article on page 5.

Everyone coming to the Field Day site needs to read page 6, especially the Equipment policy.

Page 7 has a map to the Field Day site for anyone who has never been before.

Pages 8 through 13 list all the Field Day activity assignments and responsibilities, and give all the details of who is doing what, when, and where at Field Day.

Pages 14 and 15 contain the club secretary's reports, and the calendar of upcoming events.

The president's messages can be found on page 4 (VARA) and page 14 (MARA).

Happy Reading.



Field Day Principle: Fourth Full Weekend in June

W4PJW points out a correction. Field Day is always the *fourth* full weekend in June. It always has, and always will be. This is *not* necessarily the *last* weekend in June. So be advised. Field Day is always the *fourth* full weekend in June. And it never, ever, rains at Field Day.

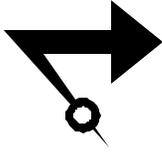
June 1: Augusta County ARES Operational Exercise

Just as this issue was going to press, we received the following email, apparently announcing a special operational exercise for emergency response volunteers:

Gentlemen: Concerning the June 1st exercise: It involves checking into the local ARES net on 146.850 rptr at approximately 9 am for assignments. I will assign 2 members to set up a "Remote Base" station, 1 in the AMC hospital parking lot, the other near the Waynesboro EOC. Members will be assigned to one or the other, and will be deployed to other locations(parking lots) as "Tactical Mobiles", and will check into the net run by the Remote Bases on their respective net frequencies(AMC will use 147.360, Wboro EOC will

use 147.075). Tactical Mobiles will generate formal NTS traffic, using the form from the VARACES website. Formal traffic handling and mobilization of units will be the focus of this exercise. It will end at or before noon. Several of you have already expressed an interest to participate. I am asking for anyone interested in working this exercise to e-mail me back, and then I will send you the entire info pack, with more specific details about our operation. Thanks in advance for your prompt replies, and thanks for those interested in joining the exercise.

73, David AD4TJ
ERO for Augusta County



Bob's Knob Picnic to Feature Tailgating

Remember to mark your calendars for the Big Mountain Repeater Benefit Picnic, also known as the Bob's Knob Bash. The event is scheduled for Sunday, August 18 this year.

Space has been set aside this year for a tailgating event. Folds interested in this activity will find signs marking the area. Remember that space is on a first-come first-served basis. The one primary rule is, if you don't sell it, you take it back home with you! (The Bergton dumpsters are open

on Sundays and will be available as you leave the Bergton area on your way out..)

New this year: Adult entertainment! An Albino Grouse potted plant will be given to a winner of a special drawing. Adults only, please! The plant drawing will be held immediately following the 50/50 drawing, so don't throw away your tickets too soon!

See you on August 18th.

Bob Niemeyer, W3MMC

For Sale: Complete Station — HF through UHF, All Modes, All for Only One Grand!

Wayne T. Miller, KB4WOM, of Staunton, is selling a complete station, worth several thousand dollars new, for only one grand. Look at all you can get: for only \$1000, complete:

- Kenwood RS440S HF Transceiver, 160-10m
- Kenwood PS-50 DC Power Supply
- Kenwood SP-430 Speaker
- Kenwood MC-85 Deluxe Microphone
- Kenwood TR-751A 2m All-mode transceiver
- Kenwood TM-221A 2m FM Transceiver
- Kenwood TM-421A 440MHz FM Transceiver
- Kenwood PC-2A Phone Patch Controller
- Kenwood SW-200 SWR and Power Meter
- Icom IC-02AT VHF FM Transceiver
- Icom BC-35 AC Battery Charger
- Bencher 2-paddle Key
- RF Concepts RFC2-317 2m Amp (20 in, 170 out)
- Astron RS-50M 50 amp Power Supply
- MFJ-484B Grandmaster Memory Keyer
- MFJ-1701 Antenna Selector Switch
- Misc Items too numerous to mention

All of the above items have the original boxes, packing, and documentation.

Contact Wayne Miller, 94 Manchester Dr Apt 102, Staunton, VA 24401 phone 540-885-0049 or 540-255-4403.

For Sale: Icom IC735 HF Transceiver and Power Supply

Mike Weaver N4TRF is selling his Icom IC735 mobile HF radio including the power supply. Make an offer: Contact Mike at 434-8757.

For Sale: Color Computer Monitors

David Fordham, KD9LA, has several assorted color computer monitors for sale. All are in mint condition and have been fully tested. Some are designed for standard VGA resolution (640x480) and are priced at only \$20 each. Others work fine at the higher SVGA resolutions (1040x768) and are priced at \$30 each. Sizes range from the little 13-inch screens all the way up to the 17-inchers. Dave also has a couple of old 386 and 486 computers he's willing to part with for a song (or a couple of bucks) if you are in the market for a packet computer. First Come, First Served.

For Sale: Icom 2100H, Tower, Jeep

Colin Hester, N4ZFQ, has the following available for sale: Icom IC-2100H 2-meter transceiver, new in the box, for only \$140. Also, several Rohn 20G tower sections for \$20 per section. Also, a Rohn 25G Tower Top Section, for \$40. Also, a 1975 Jeep CJ5 6-cylinder, 3-speed, fiberglass top, body rough, needs some TLC, for \$700. Contact Colin, N4ZFQ, days at 540-434-6192, evenings at 540-363-3645.

June 8 VE Test Session: Last Call for Extra Upgrades Before the Pool Changes

Our June test will be on the eighth and as you know this is the last session before the Extra changes are implemented.

So the General and Advanced class Amateurs should consider taking the Extra test this session.

If you are a VE and are willing to help with the June session please let me know. Our participation has been great and I thank all those who have helped before. This says a lot for the caliber of hams that we have in our area. We have been complimented on the way we conduct sessions and the short time a participant has to spend taking the test and getting their results. Compared to other places I have been this says a lot for the kind of help we have.

I really enjoyed my trip to Dayton Ohio. I did not buy too much, only a Heil mike, boom and necessary cables.

I also carried two IC-2100H radios because they were such a good buy. They were not for my use but I figured some one would like to have them for \$109.95+tax. They were spoken for by Monday morning!

I also ordered the new IC-8000 two meter for a trial run. This radio was \$199.95 including Tax and shipping.

I think all the hams from this area also enjoyed the Hamvention. See you June 8 02.

73, Gayle KU4XN

Camping Trip June 8: RTTY Contest

Daryl Cline, WB4YEX, is sponsoring a free camping trip for anyone who'd like to join him at the Field Day site on the weekend of June 8 to work the ANARTS WWRTTY contest. If you are thinking of working a RTTY contest, contact Daryl at daryl@ntelos.net, or call 540-434-6457.



New 70cm (440 MHz) Repeater On the Air!

Hello All, I just wanted to let everyone know about the new 440 repeater Tripp Denton KC4GX1 and I have put on the air, with much appreciated help from Elmer Scott KF4UCI and many thanks to Tripp for providing the equipment.

The repeater is on 444.775mhz with a standard + 5mhz offset.

The repeater has a tone of 131.8hz and it does transmit the tone as well, so if your rig has Tone SQL, you can use it to notch out any unwanted noise.

There are 2 DTMF codes available to use for your convenience. Entering in 22 will give you the date and current time and also the controller has a keypad tester to make sure your DTMF tones are coming through. Key up and send 123 followed by any numbers or letters (except D) and it will read back what you entered. (Please remember to identify)

An autopatch is also available. The autopatch is available by an annual subscription. The annual rate will be \$25, added features are 2 speed dial numbers and reverse autopatch. With reverse autopatch your family members will have an access code to call the repeater over the phone and you will be able to answer the call over the air. Local calling area is anywhere local from Harrisonburg.

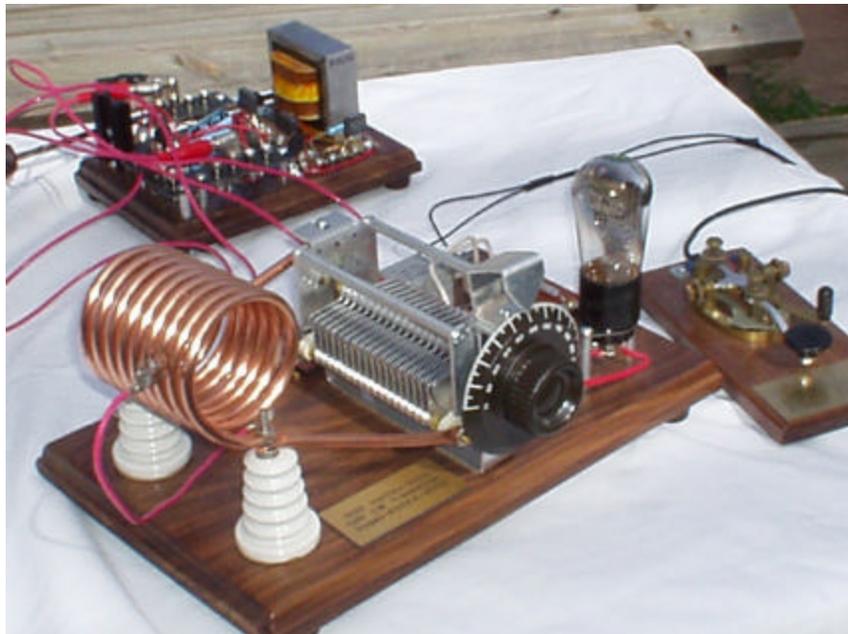
If you are interested in the autopatch or if you have any questions about the repeater please contact me:

Jason Armentrout
N4DSL
Home Phone - 540-269-8141 (please call after 5pm)
Email: n4dsl@atrs.com

KD5KA's Masterpiece

Take a gander at the beautiful work of art to the right. This is a close-up view of the 1930 Hartley-style CW transmitter built and shown by Chuck Vogan, KD5KA, at the May MARA meeting.

This little baby features a 201A oscillator tube, about 0.85 watt output, A/B power supply, AT&T key, all working into an original style Window antenna.



VARA President's Column (Lots of Good Stuff in Here!)

Hello again to all and hope this finds all feeling well and healthy, and sounding even finer.

I for one am looking forward to some warm weather. Seems like back in January and February I remember being out in short sleeve shirts and now these last few weeks, it has been just the opposite.

It sure was nice to see everyone at the last meeting and hope to see all of you again in June.

Speaking of June, let's all remember this is Field Day 2002 month.

Remember, we need people to help set up and tear down the Field Day Station, not just operate the radios! But we also need radio operators, so come on up to the

mountain and have some fun with us!

The Field Day Committee has done a fine job of getting everything put together this year (as in past years) so lets give them your support.

VARA and MARA together have purchased a new 10 X 20 awning for the event this year. The awning is to be used for the Welcome Center. If for no other reason, come to Field Day to see the new awning!

I for one am looking forward to the Pot Luck Dinner on Friday evening (21st) as there is always good food and fellowship enjoyed by the campfire.

We had an upgrade by one of our club members. We all wish Dan (KE4JSX) good

luck with his General Class License so "Congratulations Dan!!!"

Looks like Pat (KD4WWF) is going to purchase the 20-meter mono-band beam from the clubs. Now, I sure hope I can find the paper work on it!

We all need to help Richard (KF4QZG) with support for Club Presentations and programs in the months to come. Any suggestion to him of myself would be Great!!!

Mike (KG400N) is still working with the Airplane Club for a presentation in the future and a picnic as well and I am looking forward to that.

Let's all remember the ARES Nets that take place on different frequencies and nights of the week. With all

the variety in the net times and dates, there is something for everybody, no matter how full your schedule.

These nets are great places to check out your radios and operating abilities and especially test the coverage of your station. So please give our net control stations your support with check-ins.

OK that's about it for this month and again looking forward to Field Day 2002 and the next meeting on June 4th. So see you there.

de Ken Ke4GKD 73

The Opinionated One: Buzzword Bingo – Fun for the Family at Field Day

Ham radio, like a lot of hobbies, has its own language. Hams use terms, buzzwords, and phrases that no one else on the planet has ever heard of.

Now, of course, there are a few hams who don't have the faintest idea what the rest of us are talking about. Take the case of Verman, a local ham who lives in a holler in the western part of the county.

Verman is a licensed technician class ham who's getting ready to pass his General. He has been in the hobby several years now, and is active on the local machines. I'm sure you've heard him.

Anyway, ol' Verman calls me up the other day and invites me over to his place to see a brand new antenna tuner he bought in preparation for getting on HF.

I drive way out to the end of the

gravel road to Verman's mobile home. He meets me at the door, invites me in, and introduces me to his younger brother, Spitts.

Verman is about 30, and Spitts looks to be in his mid-twenties. Both have beards, wear baseball caps, and have a mouthful of what I hope is tobacco.

Well, we all go into the kitchen and sit down at the table.

Verman takes the cover off his new tuner. This thing is built like a tank. The manual says it will handle a kilowatt, but by the looks of its innards, it could handle a megawatt just as well.

I peek inside the box, and spy a huge but familiar component, and I say, "Wow, Verman, that's one heck of a toroid you've got there!"

Verman looks over at his brother, and says, "Well, not

really... Ma had him tested a lot when he was a kid, and all the doctors say he's just really really slow."

I probably should have said something, but I just nodded.

Anyway, hams need to know their jargon. But what about non-hams? They are bored silly by our talking about SWRs and ALC's and Icom-2100's.

So Field Day presents a special problem. Come the end of June, we are gonna try to get our families and friends to join us for a good time on the mountaintop. But these non-hams won't have the slightest idea of what is going on. It is too much to ask them to learn it all in just a couple of weeks, so what do we do?

Here is my solution. Below is a bingo card. Instead of numbers, it has ham terms on it.

Here's the way you play.

Give a copy of this card to your XYL, kids or non-ham friends at Field Day (or even a club meeting). Tell them to listen hard. Whenever they hear one of the terms on the card, they mark it off. And when they've marked off five squares, either up and down, across, or diagonally, they stand up and yell loudly, "Get a Life!".

Anyone not familiar with ham terms might have good belly laugh when they hear us use them. I mean, think about it. What does a layman visualize when he hears the terms "Squelch Tail", or "Bob's Knob", "Bencher Paddle" or "PTT" ?!

Buzzword Bingo takes their mind off ridiculing us, and makes them appreciate our jargon. — Hope your family has fun! See you at Field Day.

G5RV	"You're Way Down in the Mud"	"My 706"	Seek You Field Day, Seek You Field Day	Gell-Cell
Down 600	Ducie Island	PL of 131	Mike Gain	Queue Are Pee Rig
Full-Wave Loop	Net Control	Bobs Knob	"Go To Oh Four Five"	Sky Warn
Notch Filter	The P5 Operation	Queue Are Mary	"Talk the Machine Down"	Kenwood Repair Center
756 Pro	Dual Bander	You're-Dropping Out Again	Short Squelch Tail	His 10-meter Hamstick

TESTIMONIALS FROM SATISFIED PLAYERS

"Club programs are so much more exciting now." — *Barbara*

"I was in the restaurant for only three minutes when I won!" — *Tony*

"The atmosphere in the April meeting was tense as twelve of us anxiously waited for the fifth square." — *Bill*

"The guest speaker was flabbergasted when five of us jumped to our feet and yelled, "Get a Life" for the third time during the 20 minute program." — *Debbie*

"Attention to the meetings has gone way up. It is darned hard to doze off anymore, what with all the yelling and screaming." — *Ken*

"I was listening to the net in the den last Sunday when my wife and daughter run in from the kitchen and together yell, "Get a Life" at the top of their lungs. They had been listening and playing while doing the dishes." — *Pete*

Field Day Equipment Policy

Adopted by the MARA and VARA Amateur Radio Clubs.

Be it understood that:

As a participant in Field Day operations, whether a club member or visitor, you are using equipment that may belong to someone else. Care for it as if it were your own.

No repairs or modifications, no matter how slight, shall be made to any equipment without the owner (or owner's designated representative) present.

Any apparent malfunction of the equipment shall be reported immediately to the owner.

Be it further understood that:

Equipment which is brought to the Field Day site and made available for use is done at the owner's discretion, and said equipment should be supervised by the owner or his/her designated representative.

Any damage to, or failure of, the equipment at Field Day will be the responsibility of the owner, and NOT that of the sponsors, organizers, or management of the Field Day Activities.

Ya'll Come!

Field Day is open to everyone! Hams are invited to drop in and operate a contest station. Hams who have not operated on the Short Waves are especially invited to come and experience the thrill of operating the high bands. We have a special "get on the air" station for hams who do not normally operate HF. And a special invitation is extended to visitors and non-hams. Come and see emergency preparedness communication in action!

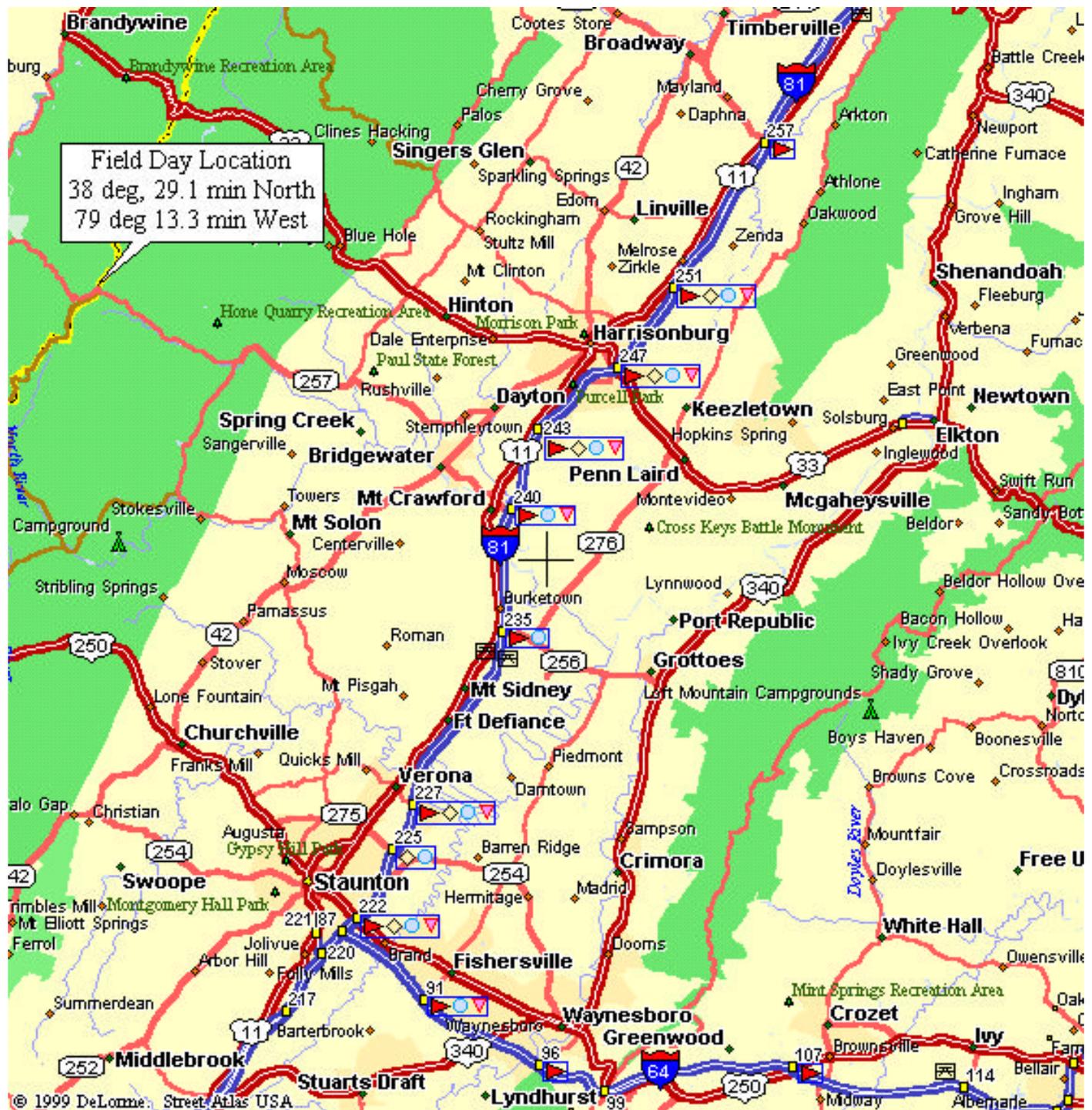
Driving Directions to Field Day

From Interstate 81 take Exit 240 (Bridgewater, Mt. Crawford), and go west on State Route 257 towards Bridgewater. Follow Route 257 straight past the first traffic signal, go 2 miles, into the town of Bridgewater. Turn right at the second traffic signal (Hardee's on the corner) and head north, still on route 257.

As you come into the town of Dayton, Route 257 will make a left turn (one block BEFORE the Dayton traffic light). Follow Route 257 west. Route 257 will make a sharp left turn at Ottobine, and a sharp right at Briery Branch. Keep following Route 257! Go past the Hone Quarry Campground entrance, where route 257 becomes forest road 924. Stay on the paved road as it crosses a bridge and begins climbing the mountain.

Keep going on the paved road up the mountain about five miles. Finally, you'll reach an intersection where the paved road makes a hard left turn and two dirt roads split off, one going left and one going sort-of straight ahead. Keep as far to the right as possible and taking the right fork straight ahead, going another half a mile to the field day site. If you need assistance, call on the 145.130 repeater (transmit down 600 kHz, no PL tone required), or try 147.470 simplex once you get into the mountains.

Map to Field Day



The MARA/VARA Field Day location is at 38 degrees, 29.1 minutes north latitude, 79 degrees 13.3 minutes west longitude. If you have mapping software, plug these coordinates into your program, and plot a route to the fun.

Thanks to the Field Day 2002 Committee

A debt of gratitude is owed to the members of the Field Day 2002 Planning Committee and those hams who helped them organize this year's event. In the following pages, you will find the responsibilities and assignments for this year's activity. With only a couple of minor exceptions, all assignments have been already approved and accepted by the hams involved. We thank everyone who is bringing equipment, supplies, or providing manpower.

Field Day General Information and Responsibilities

Event	Field Day - June 22-23 , 2002
Location	Near Flag Pole / Reddish Knob
FD Frequencies	Site - 147.470 Sim. / Talk-in 145.130 Rpt.
Call Sign	N4XU
Station Class	3A
FD Committee	MARA - KU4XN, KD5KA, N4DSL VARA - KB4OLM, AD4TJ, N4BCC
FD Chairman	KB4OLM, Clint
Assistant Chairman	KU4XN, Gayle
Scoring / totaling / Entry	AD4TJ, David - W4PJW, Jeff
Pin Committee	KU4XN, Gayle - AD4TJ, David (70 pins)
Band Plan Coordinators	K4RBZ, Gerry - W4PJW, Jeff
Welcome Center	W3HXH, Dick - K4LXG Ellsworth & Jeannie
Registration	W3HXH, Dick - K4LXG Ellsworth & Jeannie
Display Table	W3HXH, Dick - K4LXG Ellsworth & Jeannie
Coffee Pot	W3HXH, Dick - K4LXG Ellsworth & Jeannie
2 Tables	W3HXH, Dick - K4LXG Ellsworth & Jeannie
Power	N4YET, Rusty
Tent	KE4GKD, Kenny
Awning 10' x 20'	MARA Club
Awning 10' x 20'	VARA Club
Pads / Pencils	W4PJW, Jeff - KE4FM, Bill
Generator (main) + Ground	WA4FJC, Gordon - VA South
Generator (main) + Ground	N4YET, Rusty - WV North
Gasoline - 20 gal VA	KD4WWF, Pat
Diesel - 20 gal WV	N4YET, Rusty
Signs for each Station	N4XU, Neal
Signs at road	K4LXG, Ellsworth
Publicity	K4LXG, Ellsworth
Public Official	K4LXG, Ellsworth - N1QEQ
FD Fire Wood - truck load	KU4XN, Gayle
Fire Wood - truck load	N4ZFO - one week early
Porti-John - 1 week early	K4PZC, Sandy
Toilet Paper	KD5KA, Chuck
Pictures	N4BCC, Benny - KE4GKD, Kenny
Site Cleanup, Grass, etc. Repair Site	N4BCC, Benny - KE4HVR, Ray - KE4NNV, Ray - KE4GKD, Kenny - KD4WWF, Pat

HF Phone Station

This station will operate standard voice modes, SSB. All hams with General class or above can serve as control operator.

FD Station #1	Call - N4XU
In Charge of Station	AD4TJ, David - WA4ITY, Charlie
Location	WV. NE near tree beside road
Shelter	Trailer, 6'x16' - K4LXG, Ellsworth - Needs help to load
1 Table / 3 Chairs	W4PJW, Jeff, table - N4BCC, Benny, chairs
Tower / Mast	MARA Club - K4LXG, Ellsworth
Rotor	MARA Club
Antenna 1	Tri-bander - MARA Club - see K4LXG, Ellsworth
Antenna 2	40m Dipole - Clubs
Antenna 3	80m Dipole - Clubs
Coax for all Antenna's	MARA & VARA Clubs
Radio	TS-850 - KD4WWF, Pat
Power Supply	KD4WWF, Pat
Computer	K4PZC, Sandy
Computer Log	CT=FD02PH
Power	N4YET, Rusty
Power Cable	VARA Club / KE4GKD, Kenny
Lights	AD4TJ, David
Info Packet	K4PZC, Sandy
Grounding	AD4TJ, David

HF CW Station

This station will utilize morse code, usually at a fairly high rate of speed. CW operators are invited to try their hand (no pun intended) at this station.

FD Station #2	Call - N4XU
In Charge of Station	N4XU, Neal - W4PJW, Jeff
Location	WV. SW. in opening near campfire
Shelter	Trailer - N4DUG, Doug & KF4BFC, Bob
1 Table / 3 Chairs	W4PJW, Jeff
Tower / Mast	KE4GKD, Kenny
Rotor	KE4GKD, Kenny
Antenna 1	Tri-bander - KD4FKT, Joe
Antenna 2	40m Dipole - Clubs
Antenna 3	80m Dipole - Clubs
Coax for all Antenna's	MARA & VARA Clubs
Radio	N4XU, Neal
Power Supply	N4XU, Neal
Computer	N4XU, Neal
Computer Log	CT=FD02CW
Power	N4YET, Rusty
Power Cable	VARA Club / KE4GKD, Kenny
Lights	W4PJW, Jeff
Info Packet	K4PZC, Sandy
Grounding	W4PJW, Jeff

Digital Station

This station will operate digital modes, such as RTTY, Packet, A motor, and PSK31. The station may also operate slow scan television, and an APRS demonstration. This station offers some of the more modern and exotic modes of ham radio, so be sure to bring your non-ham friends by this station.

FD Station #3	Call - N4XU
In Charge of Station	N4DSL, Jason - KE4HVR, Ray
Location	VA. SE near trees
Tables	4' N4DSL, Jason - 6' KE4GKD, Kenny
Chairs	N4DSL, Jason
Shelter	N4DSL, Jason
Mast	KU4XN, Gayle
Antenna 1	KB4OLM, Clint - Windom
Antenna 2	KE4GKD, Kenny - G5RV
Antenna 3	N4BCC, Benny - Gap vert.
Antenna Tuner	N4DSL, Jason
Coax for all Antenna's	N4DSL, Jason
Radio	N4DSL, Jason
Power Supply	N4DSL, Jason
Computer	N4DSL, Jason
Interface	N4DSL, Jason
TNC for RTTY	W4PJW, Jeff
Computer	For logging - K4PZC, Sandy
Computer Log	CT=FD02DI
Power	WA4FJC, Gordon
Power Cable	N4DSL, Jason - N4BCC, Benny - W4PJW, Jeff
Lights	N4DSL, Jason
Info Packet	K4PZC, Sandy
Grounding	N4DSL, Jason - W4PJW, Jeff
Operating Modes	PSK31, MFSK16, RTTY, SSTV, APRS

GOTA Station

This is a special station whose purpose is to provide an opportunity for inactive hams, or those who normally don't operate on the HF bands, to "get on the air" and do some shortwave operation.

All licensed hams are encouraged to stop by this station and get on the air if you haven't done so in the last year.

FD Station #4	Call - KZ1A
In Charge of Station	KZ1A, Mac - KE4FM, Bill
Location	VA. SW near trees
Table	N4ZFQ, Colin
Chairs	N4ZFQ, Colin
Shelter	N4ZFQ, Colin
Mast	N4ZFQ, Colin
Rotor	N4ZFQ, Colin
Antenna 1	Multi band - KZ1A, Mac
Antenna 2	Wire multi band - KG4OON, Mike
Antenna 3	Tribander ? - KB4OLM, Clint
Antenna 4	10m Vertical - KD4FKT, Joe
Antenna Tuner	KU4XN, Gayle
Coax for all Antenna's	W4PJW, Jeff - KE4GKD, Kenny - KB4OLM, Clint
Radio	KZ1A, Mac
Power Supply	KZ1A, Mac
Computer	K4PZC, Sandy
Computer Log	CT=FD02GO
Power	WA4FJC, Gordon
Power Cable	SO cable - N4ZFQ, Colin
Lights	N4ZFQ, Colin
Info Packet	K4PZC, Sandy
Grounding	KZ1A, Mac
Operating Modes	SSB & CW

VHF/UHF Station

Hams from Novice up through Extra are invited to operate this station.

FD Station #5	Call - N4XU
In Charge of Station	KB4OLM, Clint - K4NRA, Ray
Location	Va. - East near "Frog Pond"
Shelter	Trailer - KB4OLM, Clint
Table / Chairs	KB4OLM, Clint
Tower / Mast	KB4OLM, Clint
Rotor	KB4OLM, Clint
Antenna 1	6m Beam - KB4OLM, Clint
Antenna 2	2m Beam - KB4OLM, Clint
Antenna 3	432cm Beam - KB4OLM, Clint
Antenna 4	2/220/440 vert - KB4OLM, Clint
Antenna 5	2m Quad Pkt Beam - KB4OLM, Clint
Coax for Antenna's 1-5	KB4OLM, Clint
Triplexer for 2/220/440 vert	KB4OLM, Clint
Radio 1	6m - N4DSL, Jason - IC-706 MK II
Radio 2	2m/432 - KB4OLM, Clint
Radio 3	2m/440 FM TW-4000 - KB4OLM, Clint
Radio 4	220 FM TW-321 - KB4OLM, Clint
Radio 5	2m pkt HT IC-2A - KB4OLM, Clint
Amplifier 1	Mirage 1015 6m - KB4OLM, Clint - N/A
Amplifier 2	Mirage 1016 2m - KB4OLM, Clint
Amplifier 3	Mirage 1010 432cm - KB4OLM, Clint
Power Supply	35 amp Astron - KB4OLM, Clint
Power Supply	12 amp Astron - KB4OLM, Clint
Terminal for Pkt	Televideo - KB4OLM, Clint
Pkt TNC	MFJ Pkt TNC - KB4OLM, Clint
Laptop w / Baypac tnc	KB4OLM, Clint
Computer	KB4OLM, Clint
Computer Log	CT = FD02VHF
Generator - 3.5 kw Honda	KB4OLM, Clint
Power Cable	KB4OLM, Clint
Lights	KB4OLM, Clint
Info Packet	K4PZC, Sandy
Grounding	KB4OLM, Clint

The Field Day 2002 Committee

Clint Campbell, KB4OLM Chairman, standing second from right. Benny Cook, N4BCC of VARA, seated far left. David Tanks, AD4TJ, of VARA, standing far right. Jason Armentrout, N4DSL, of MARA, seated center. Gayle Shull, KU4XN, of MARA, standing left. Chuck Vogan, KD5KA, of MARA, seated far right.



Satellite Station

This station will operate using the orbiting satellites carrying amateur radio.

FD Station #6	Call - N4XU
In Charge of Station	K4EME, Cowles
Location	VA. SE near trees
Shelter	Trailer - N4DSL, Jason
Table / Chairs	N4DSL, Jason
Radio 1	K4EME, Cowles
Antenna 1	KLM 435-40CX - K4EME, Cowles
Antenna 2	KLM 145-22CX - K4EME, Cowles
Coax for all Antenna's	K4EME, Cowles
Amplifier 1	70cm, TE System 4450 175w - K4EME, Cowles
Amplifier 2	2m, KLM 160w - K4EME, Cowles
Pre-Amp	SSB Electronics SP-7000 70cm LNA under 1db Noise Figure - K4EME, Cowles
Pre-Amp	SSB Electronics SP-2000 2m under .8db Noise Figure - K4EME, Cowles
Power Meter	Bird Trueline #43 - K4EME, Cowles
Power Supply	Astron RS-70M 70amp - K4EME, Cowles
Rotor and cable	Yaesu G-5400B - K4EME, Cowles
Antenna tripod & base	K4EME, Cowles
Antenna Mast	2 5' and 1 10' sections of pipe - K4EME, Cowles
3 Guy ropes and anchors	K4EME, Cowles
GPS	Garmin 45XL, for Correct time & location - K4EME, Cowles
Compass	K4EME, Cowles
Computer	Pentium Laptop for Satellite tracking (Nova Software) - K4EME, Cowles
Computer	486 w / 14" monitor, running LogSat with Kansas City Tracker (Autotrack) - K4EME, Cowles
Computer	For logging - K4PZC, Sandy - Digital Station
Computer Log	CT = FD02DI
Power Strip	K4EME, Cowles
Backup Power Inverter	12 VDC to 120 VAC - K4EME, Cowles
Power	WA4FJC, Gordon
Power Cable	?
Lights	N4DSL, Jason
Info Packet	K4PZC, Sandy
Grounding	N4DSL, Jason - K4EME, Cowles
Planned Satellites for operation	AO-10, 70cm up 2m down
	Oscar-20, 2m up 70cm down (JA)
	Oscar-29, 2m up 70cm down (JA)
	Oscar-27 2m up 70cm down (FM)
	UO-14, 2m up 70cm down (FM)

Bonus Points

APRS	N4DSL, Jason - K4EME, Cowles
Packet	N4DSL, Jason
SSTV	N4DSL, Jason
Originate 1 Message to Section Manager	AD4TJ, David
Originate 10 Messages	AD4TJ, David
Public Official	K4LXG, Ellsworth - N1OEQ, Bob
Satellite	K4EME, Cowles
W1AW FD Msg	AD4TJ, David - & ALL stations
GOTA	KZ1A, Mac - KE4FM, Bill
Display Table	W3HXH, Dick

Natural Power Station

FD Station #7	Call - N4XU
In Charge of Station	KD5KA, Chuck - W2ZVM, Bill
Location	?
Shelter	?
Table / Chairs	?
Tower / Mast	?
Rotor	?
Antenna 1	?
Coax for all Antenna's	?
Radio	K1
Computer	?
Computer Log	CT=FD02NAT
Power	Solar
Gel Cell?	KD5KA, Chuck
Power Cable	KD5KA, Chuck - W2ZVM, Bill
Lights	?
Info Packet	K4PZC, Sandy
Grounding if needed	?

Backups and Contingencies

2m all-mode Radio	K4NRA, Ray
2m Amp	K4NRA, Ray
6m all-mode Radio	N4BCC, Benny
Antenna Analyzer	N4BCC, Benny - K4DJG, Bob
Antenna Tuner	W4PJW, Jeff - KU4XN, Gayle
Antenna Tuner	N4BCC, Benny - KB4OLM, Clint
Antenna Tuner	KE4HVR, Ray
Anything Else ?	Bring it just in case - All
Barrel Connectors	Bring it just in case - All
Coax	FD Committee - All
Computer / Keyboards	K4PZC, Sandy
Generator - 5kw	KD4WWF, Pat
H.F. Radio - CW	W4PJW, Jeff
H.F. Radio - CW	KD4FKT, Joe
H.F. Radio - Phone	K4PZC, Sandy - Heathkit SB-1400
KAM TNC multi mode	K4DJG, Bob
PK-232 TNC	W4PJW, Jeff
Power Supply	N4BCC, Benny - 35amp
Power Supply	K4LXG, Ellsworth - 25amp
Power Supply	W4PJW, Jeff - 30amp
Rotor - HAM 3 or 4	KU4XN, Gayle
Rotor Cable	W4PJW, Jeff
String / Cord for Dipoles	W4PJW, Jeff - K4LXG, Ellsworth
SWR Bridge	K4LXG, Ellsworth
Tarps	Bring it just in case - All
Tent for Main Generator, WV	KB4OLM, Clint - N4YET
Updated ver. Of CT	W4PJW, Jeff
Wire	Bring it just in case - All - K4DJG, Bob

MARA Secretary's Report

MARA Meeting took place at Evers Family Restaurant, Mt Crawford, VA -- Time: 7:30p.m. on Thursday, May 3, 2002.

It began with each member and guest introducing themselves and giving their Amateur calls. There were 2 guests and 33 members for a total of 35 present.

Old Business

Condolences were given to Gerald Brunk and his brother upon the recent death of their father.

The secretary's report was accepted as written and included in the current club newsletter. Dave Fordham made the motion, it was accepted by those present.

Committee Reports:

- a. Treasurer: Sandy, K4PZC- No Report
- b. Public Service: Doug, N4DUG- Report on bicycle ride. Amateurs needed to cover event.
- c. ARES: Dale, N4DAI - On Saturday, June 1st, there will be an emergency exercise. Information on this will be on thenet.
- d. ARES Net: Norman, KA4EEN - Needs net operators for the rest of May and for June.
- e. VE: Gayle, KU4XN - On July 1, 2002 the Extra Class exam questions will be changed. He understands they will be more difficult and numerous..
- f. Field Day: Help is needed in the Welcome Center. Make your own coffee at night. Power will be available on both sides of the road. There will be a GOTA (get on the air station) and a station for unlicensed people using CW, SSB but no Digital Modes on this station. All stations will have two licensed operators assigned to cover their use.
Motion by Rusty that a 10x20 foot awning be purchased for use at the Welcome Center and seconded by several was discussed and the motion was passed by the members present.
Request that diesel fuel be available at the Field Day site.
Rebar stakes for the antenna lines will be crafted by and be present at the site by one of the members. Other preparation for our activities were also discussed.

New Business:

a. New Members:

Request for membership read for Chris Burkholder. It will be voted on at the June meeting. Chuck Neff, KG4NAA was accepted as a new member of MARA.

b. 50/50: Won by Chuck Vogan. \$14.50 to Chuck and \$14.50 to MARA.

c. Other:

Gerry Brunk to give a program on Amateur Radio to a class at the Broadway school this coming Tuesday. He requested that some amateurs be on the air at that time so he could demonstrate Amateur Radio.

QRP Club to meet 14 May at 7p.m. at Chuck Vogan's QTH. Bring unfinished kits.

On Thursday May 23 there will be a Field Day Committee meeting.

Jason reported a new repeater. 444.775 and 131.8 tone. Try out these frequencies and let Jason know your success with them.

Rusty told about repeated vandalism at his antenna site.

Motion was made to sell a beam which is owned by both clubs. A second motion was to give Pat first chance at purchasing the beam. A third motion was made to go no lower than \$100.00 on the sale price. All Motions were discussed, and all motions were passed by the MARA membership. The VARA membership will now be able to make their decisions on what to do with the beam.

"SWAP MEET ANYONE??" This month at the VARA Meeting a question was asked if anyone would be interested in having a

"Swap Meet" sometime in the future after Field Day. The questions are: Would you like to have a swap meet? What do you have that you would like to swap or sell? Where do you think would be a good location to have it? Please reply to Ray Colvin, KE4HVR before the next meeting as he will make a list and bring it to the next club meeting for discussion.

Program: Many folks brought their projects in and demonstrated them to the club. There was a wide range of projects making this a very interesting program.

*Respectfully submitted,
Phyllis Haxton, N4VZC*

MARA President's Column

Hello to all. One would think that spring has gone away and fall is here already. There is one advantage to the cool weather and that is quieter band conditions on 80/75 meters.

I used my new communication trailer at the MMT-100 race near Front Royal, Va. on May 11th & 12th where it was used for the communications station at aid-station 16. It was chilly and damp and it was nice having a dry, snug place to operate from.

Jeanne and I had a great time in San Francisco but did no ham-

ming as I did not take any equipment along due to the rigors of tighter airport security. I did meet several hams along the way and in San Francisco.

Some of us QRP'ers are assembling Tuna-Tin 2's, a 1970's era QRP solid-state transmitter in kit form. We invite all interested to join us for a lot of fun.

Looking forward to the upcoming Field Day.

73, Ellsworth Neff, K4LXG

VARA Secretary's Report

The Valley Amateur Radio Association met at Shoney's in Staunton on May 7, 2002. President Ken Harris KE4GKD opened the meeting at 7:30pm. There were 18 members present and 3 guests, Herb Slade AA2BF, Bob VanFossen K4DJG and Kay Cook KF4CZL.

The 50/50 winner was Clint KB4OLM.....Again!!! more money for Andrew's piggy bank.

A new member, Dan Beidler KE4JSX, was voted into the VARA Club. Also Dan has upgraded to a GENERAL class license.... Congratulations Dan!!!

The VARA & MARA Clubs have purchased 10'X20' awnings for the Welcome Center at Field Day and other Club functions as needed. Jeff W4PJW and Ken KE4GKD did the shopping for the awnings.

Field Day pins have been ordered by Gayle Shull KU4XN, the pins and the cost will be split 50/50 by the two clubs.

The clubs have agreed to sell the 20M mono-band beam that has been repaired from past damage at field day for \$100 and give Pat KD4WWF first choice at it since it has been stored at his house. Pat agreed to purchase it at the price offered.

Jeff W4PJW reported that the RTTY Contest done from the field day site the last weekend in April made over 100 contacts.....Good job hams!!

Mike Reno KG4OON told us the model airplane club he belongs to would like to get together sometime in August and have a picnic then have a show and tell with their airplanes. Some of the plane owners may even let you fly!!! Mike will get back with us later with further details from the model airplane club.

Jerry Moats WD4ITN reported that the Highland Medical Center Mountain Mama Bike Challenge has been canceled because of insurance reasons. Thanks to all who helped last year.

David Tanks AD4TJ Needs HELP with the Augusta County ARES Net. Anyone that is willing to be net control and help David out give him a call. The Net has moved to the 146.850 repeater on the 2nd Thursday of the month at 8:00pm. This repeater has a minus offset and a tone of 131.8 when needed. Mark your calendar and check into the net. Remember without YOU there will be NO ARES NET.

We would like to get training classes started for the Technician level. Anyone interested in helping teach the classes please contact Ken KE4GKD, Alby AD4KZ or Richard KF4QZG. We need to get some young people interested in ham radio so listen for any hints that they may like to know what it is all about.

Richard KF4QZG, Program Chairman, asks for anyone who would like to do a program at one of our meetings to give him a call and get a date set up to present it. It does not have to be HAM related, anything you think the group would be interested in that you would like to do, OR could get someone to do for you.

The meeting was adjourned at 8:25pm.

Clint KB4OLM gave a very good rundown on the progress of the upcoming Field Day event and the new rules for the year 2002. Things are coming together and the question marks are disappearing quickly.

Submitted By: VARA Secretary
Ray Colvin KE4HVR

Calendar of Upcoming Events

June 2: Manassas Hamfest
 June 4: VARA Meeting
 June 6: MARA Meeting
 June 8: Winston-Salem and Franklin VA Hamfests
 June 8-9: ANARTS WW RTTY Contest
 June 8-10: June ARRL VHF QSO Party
 June 13: Augusta County ARES Net on 146.85 repeater
 June 15-16: SMIRK Six Meter Contest
 June 15-16: West Virginia QSO Party
 June 16: Frederick Maryland Hamfest
 June 22-23: Field Day

July 4: Harrisonburg PA Hamfest
 July 13-14: CQ VHF Contest
 July 20-21: North America RTTY QSO Party
 July 27-23: Islands on the Air Contest
 July 28: Baltimore (MD) ATV Hamfest

August 4: Berryville (VA) Hamfest

August 10: Huntington WV Hamfest
 August 10-11: Maryland DC QSO Party
 August 18: Bob's Knob Picnic
 August 31- September 1: Shelby Hamfest

September 8: Virginia Beach Hamfest

Every Sunday Night: Page County ARES Net on 146.670 repeater, PL of 114.

Every Monday Night: Rockingham County ARES Net. First Monday of the month on 146.55 simplex, all other Mondays on 145.130 repeater, PL of 88.

Skywarn weather information is available on 146.625 repeater, PL of 131.

MARA/VARA

c/o David Fordham
131 Wayside Drive
Weyers Cave, VA 24486
Phone: 540-568-3024
Email: fordhadr@jmu.edu

Return Service Requested

MASSANUTTEN AMATEUR RADIO ASSOCIATION, Inc.

President: Ellsworth Neff, K4LXG
Vice President: Chuck Vogan, KD5KA
Secretary: Phyllis Haxton, N4VZC
Treasurer: Sandy Mullins, K4PZC
Board (exp. 02): Bob Tennyson, KG4CHL
Board (exp 03): Jason Armentrout, N4DSL

<http://cob.jmu.edu/fordhadr/MARA>

MARA meets the first Thursday of each month
at Ever's Restaurant on U.S. 11 south of
Harrisonburg. Meal starts at 6:30 pm.
Business meeting starts at 7:30 pm.

Visitors are welcome.

Dues (\$12 per year) should be mailed to:
MARA
PO Box 1882
Harrisonburg, VA 22801

VALLEY AMATEUR RADIO ASSOCIATION

President: Ken Harris, KE4GKD
Vice President: Benny Cook, N4BCC
Secretary: Ray Colvin, KE4HVR
Treasurer: Jeff Rinehart, W4PJW
Program Manager: Richard Huttinger, KF4QZG

<http://www.hamsnet.net/W4MUS>

VARA meets the first Tuesday of each month
At Shoneys Restaurant on U.S. 250 east in
Staunton. Meal starts at 6:30 pm.
Business meeting starts at 7:30 pm.

Visitors are welcome.

Dues (\$15 per year) should be mailed to:
Jeff Rinehart, W4PJW
1344 Hankey Mtn Hwy
Churchville, VA 24421