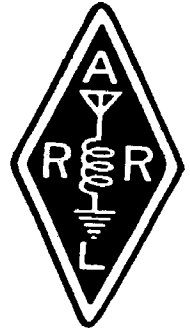


The CVFMA Newsletter



Volume 2 Issue 3

May 1997

CVFMA General Meeting, April 20

The Spring General Meeting of the CVFMA was held on April 20 in Newport, NH at the Sugar River Savings Bank.

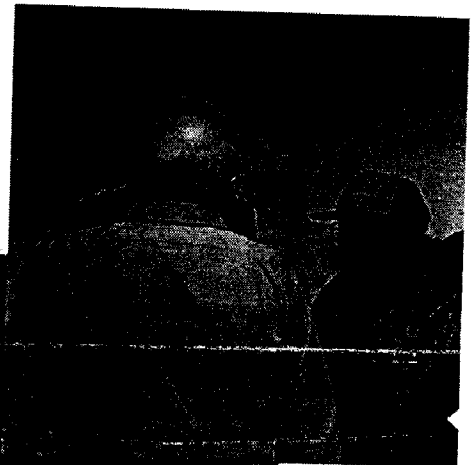
By all accounts, it was a tremendous success!

Upwards of 45 members, past and present, were at the pot luck dinner and general meeting.

Many people were responsible for the outstanding success of the meal and meeting. The setting was well done, the food was plentiful, spirits were high and all seemed

glad to see one another. (Maybe it was the weather, it was a grand Spring day!)

A significant amount of Association business was accomplished in the General Meeting. Many motions were



A presentation was made on one of the early duplexers for the Association. The purpose of a duplexer was explained and the layout was shown on a



made, some modified, and passed. In particular, the Scholarship Fund was reviewed, the Sunapee repeater efforts were presented, and a memorial fund was established to purchase a book for each future SK's local library. Member participation was excellent with much question and answer activity.

Many of the founding members of CVFMA were at the General Meeting.

drawing.

For the record, the founding/charter members from 1970 are: W1FKD, K1ZYU, WA1CHF, W1TIM, K1NIW, W1YGA, WN1GRW, W1RFP, K1ZLL and W1ELJ.

Try to identify the members and guests in these photographs. (My apologies if the image quality degraded with photocopying, etc. -ed.)

Don't you just wonder what Norm, N1SJK, is thinking about Polly and those "things" on her head and that boa?

Landmarks and Mile Markers: I-91 and I-89

Norm, NISJK, has put together the following information about mile markers and exits on I-91 and I-89:

| Land Mark | Exit For | Mile marker |
|--------------------------------------|------------------------------------|----------------|
| Exit 18 | Barnet, VT | 120 |
| Exit 17 | Wells River, VT | 110 |
| Rest Areas North and Southbound | | 100 |
| Exit 16 | Bradford, VT | 97/98 |
| Exit 15 | Fairlee, VT Orford, NH | 91/92 |
| Exit 14 | Thetford, VT | 84/85 |
| Exit 13 | Hanover, NH Norwich, VT | 75 |
| Exit 12 | Wilder, VT WRJ, VT | 72 |
| Exit 11 | White River Junction, VT | just after 70 |
| Exit 10 | Interstates 89 & 91 | just before 70 |
| Rest Areas North and Southbound | | 69 |
| Exit 9 | Windsor, VT Hartland, VT | between 60/61 |
| Exit 8 | Ascutney, VT Claremont, NH | between 51/52 |
| Exit 7 | Springfield, VT Charlestown, NH | 42 |
| Rest Areas North and Southbound | | between 39/40 |
| Exit 6 | Bellows Falls, VT Chester, VT | 35 |
| Exit 6 | (Northbound) | 34 |
| Exit 5 | Bellows Falls, VT Walpole, NH | 29 |
| Rest Area on the Southbound side | | 24 |
| Rest Area on the Northbound side | | 23 |
| Weigh Station on the Southbound side | | 22 |
| Weigh Station on the Northbound side | | between 20/21 |
| Exit 4 | Putney, VT | 18 |
| Exit 3 | Brattleboro, VT Chesterfield, NH | between 11/12 |
| Exit 2 | Brattleboro, VT W. Brattleboro, VT | 9 |
| Exit 1 | Brattleboro, VT Hinsdale, NH | 7/8 |
| Vermont Welcome Center (Northbound) | | 0 |
| This is also the MA/VT State line | | |

| Land Mark | Exit For | Mile Marker |
|---|----------------------------------|---------------|
| Exit 2 | Sharon, VT | between 13/14 |
| Rest Areas North and Southbound | | 9 |
| Exit 1 | Woodstock, VT Rutland, VT | between 3/4 |
| Interstates 91 & 89 Interchange VT/NH State line bridge over the Connecticut River | | between 0/1 |
| Exit 20 | Lebanon, NH Plainfield, NH | 60 |
| Exit 19 | Lebanon, NH W. Lebanon, NH | 58 |
| Weigh Stations (North and South) | | 57 |
| Rest area Northbound side | | 57 |
| Exit 18 | Lebanon, NH Hanover, NH | 56/57 |
| Exit 17 | Enfield, NH Canaan, NH | 54 |
| Exit 16 | Purmort, NH | 52 |
| Exit 15 | Montcalm, NH | 50/51 |
| Exit 14 | North Grantham, NH | 48 |
| Exit 13 | Grantham, NH Newport, NH | 43 |
| Rest Area on the Northbound side | | 40 |
| Exit 12A | Georges Mills, NH Sunapee, NH | 37 |
| Exit 12 | New London, NH Sunapee, NH | 35 |
| Exit 11 | King Hill Rd. New London, NH | 31/32 |
| Exit 10 | Sutton, NH | 27 |
| Rest Area on Northbound side | | 26 |
| Exit 9 | Warner, NH Bradford, NH | 20 |
| Mt. Ascutney Repeater Emergency Phone Patch Numbers | | |
| 911 | Claremont, NH Emergency Dispatch | |
| 912 | NH State Police | |
| 916 | Claremont Police Dispatch | |

Use the # key to terminate the phone patch!

State Police Numbers for the 146.760 listening area and their coverages.

| | |
|------------------------------|---|
| NH State Police 800-525-5555 | All NH Interstate system |
| VT State Police 802-222-4680 | Mile marker 81 to 120 (Bradford,VT) |
| VT State Police 802-234-9933 | Exit 9 to Mile marker 81 (Bethel,VT) |
| | 89 from the NH/VT border to Randolph,VT |
| VT State Police 802-875-2112 | Mile marker 23 to Exit 9 (Chester,VT) |
| VT State Police 802-254-2382 | Mile marker 23 South (Brattleboro,VT) |

(Continued on page 6)

Please Note when in or near Brattleboro,VT KA1CZO monitors 146.520 for emergencies and calls Brattleboro,VT barracks!

Note: the 146.805 Keene repeater will dial Keene Mutual Aid on the Autopatch; Push 9911. That is not an error it is two 9's and two 1's. Pushing the # button will disconnect the patch.

AMERICAN TOUR DE SOL

(Mission Impossible)

With only a week's notice, CVFMA and TSRC were asked to provide communications for the U.S. Electric Vehicle Championship. This event is sponsored by the Northeast Sustainable Energy Association located in Greenfield, Massachusetts.

Impossible missions don't scare us off; OH MY!

The vehicles started in Waterbury, Connecticut on May 17 and were scheduled to finish on May 24 in Portland, Maine. Strange looking vehicles made their way through Connecticut into Massachusetts where we began assisting on May 20 when they left Northampton, Massachusetts for Bellows Falls, VT and White River Jct., VT. CVFMA covered approximately 111 miles, assisted at three destination stations, provided a sweep vehicle and observation points where possible.

Could this all be accomplished on a work day? You bet, with HELP! Three of the best Amateur Radio clubs focused simultaneously on this goal. The clubs were Franklin County Amateur Radio Club in Massachusetts, Twin State Amateur Radio Club and CVFMA. Our assistance ended when the vehicles reached White River Junction, Vermont around 8 pm.

The vehicles ranged from cars, trucks and 2 bicycles and were powered by solar panels, electric batteries, hybrid generators and foot power. Competitors ranged from a 7th grade class all the way up through corporations.

Don't Forget Field Day!

Don't Forget the CVFMA Hamfest - June 7 !!

Northampton, Massachusetts to Greenfield, Massachusetts:

| | | |
|---------------------|---------------|-------------------------|
| Starting point | KD1XP Richard | VP. Franklin County ARC |
| Sweep Vehicle | N1EWK Bill | Franklin County ARC |
| Destination Station | N0JSR James | CVFMA /Twin State ARC |

Greenfield, Massachusetts to Bellows Falls, Vermont:

| | | |
|---------------------|---------------|-----------------------|
| Sweep Vehicle | N0JSR James | CVFMA /Twin State ARC |
| Destination Station | KA1SMC Marlon | CVFMA |

Bellows Falls, Vermont to White River Junction, Vermont:

| | | |
|---------------------|----------------|----------------|
| Sweep Vehicle | N1FQS Clarence | CVFMA |
| Destination Station | N5IEP Vern | Twin State ARC |
| Observation points | K1LES Leslie | CVFMA |
| | N1SCL Peter | CVFMA |
| | KA1SMC Marlon | CVFMA |
| | WA1ZCN Dave | Twin State ARC |
| | N1HAC Dave | Twin State ARC |
| | N1JIF Micky | Twin State ARC |

What a day!

Thanks to everyone who assisted. Mission Accomplished. Bob, N1NCT

NH SEC NAMED

It is with great pleasure that I announce the appointment of Richard Force, WB1ASL as the new Section Emergency Coordinator for New Hampshire. Rich has been an intricate part of the New Hampshire Field Organization for a number of years having served in various capacities within ARES and NTS. Rich is currently an Assistant Section Manager for ARRL activity north of the Notch. Rich will continue his ASM duties in addition to being SEC.

Rich has accepted the challenge to work with Tom Mangels, WA1JVV, the New Hampshire Section Traffic Manager in fostering a stronger operational link to the NH NTS. Rich takes the SEC reins from Gary OKula, N3CLZ, who served as SEC for eight years. Gary was recently named the NH RACES Officer by the New Hampshire Office of Emergency Management (NHOEM) Gary will continue at his post of ASM coordinating ARES RACES affairs.

If you are involved in ARES, RACES or NTS, please extend your support to Rich, Gary and Tom as they forge this renewed alliance. If you are interested in a New Hampshire Field Organization appointment drop me a line with your interest.

73 A1, N1FIK, Section Manager for NH

Space Executive's Weekly News Digest

This issue of Takyon International's latest on-line newsletter was published in cooperation with New Space. (www.newspace.com)

* A Khrunichev PROTON K/DM3 launch vehicle successfully lofted the TELSTAR 5 communication satellite (24C, 28Ku) from Baykonur, Kazakhstan, to geosynchronous transfer orbit on May 24. Built by SPACE SYSTEMS/LORAL, of Palo Alto, this FS-1300 class high power satellite will improve the SKYNET constellation which was acquired by LORAL SPACE from AT&T earlier this year. Telstar 5 will provide video and data transmission services to the Continental US and the Caribbean, as well as parts of Canada and Latin America from 97°W. The launch was conducted on behalf of INTERNATIONAL LAUNCH SERVICES (ILS), a joint-venture between Lockheed Martin, of Bethesda, Maryland, GKNPTs Khrunichev, of Moscow, Russia, and RKK Energiya, of Korolev, Russia. This was the first Proton mission since the loss of the MARS 96 probe in November 1996. The cause of this launch failure has not been identified yet.

* A McDONNELL DOUGLAS DELTA 2-7925 vehicle successfully lofted the THOR 2A direct broadcasting satellite (15Ku) on May 20, from Cape Canaveral, Florida. This Hughes-built HS-376 satellite will be operated by Norway's TELENOR SATELLITE SERVICES to provide direct-to-home services to Scandinavian countries, replacing the aging THOR 1, launched in 1990 as BSB-1.

* A Ukrainian ZENIT 2 launch vehicle, carrying a TSELINA 2 electronic intelligence satellite for RUSSIAN MILITARY SPACE FORCES (VKS) was destroyed 48 sec. after liftoff from Baykonur, Kazakhstan, on May 20, apparently due to a major first stage propulsion failure. An investigation is

underway. This failure could have a major impact on several US commercial ventures since three ZENIT 2 vehicles are due to loft 36 GLOBALSTAR satellites next year, the ZENIT 2 is also planned to be used as the lower part of SEA LAUNCH's ZENIT 3SL commercial launcher and the RD-171 engine, which apparently failed, is the basis of the RD-180 due to power LOCKHEED MARTIN's new ATLAS 2AR vehicle.

* NASA has awarded two US\$4-million contracts to BOEING NORTH AMERICAN's SPACE SYSTEMS DIVISION, and LOCKHEED MARTIN SPACE MISSION SYSTEMS & SERVICES, both in Houston, Texas, to study the feasibility of consolidating various of the agency's space operations to one contractor in order to save money and free up funding for new projects. These 8-months studies prepare the selection of a single contractor for the 10-year CONSOLIDATED SPACE OPERATIONS CONTRACT (CSOC), potentially worth US\$4 to 6 billion. CSOC will include in-orbit operations of more than 100 existing and planned spacecraft.

* ICO GLOBAL COMMUNICATIONS, of London, Great-Britain, operator of the 12-satellite ICO constellation in medium Earth orbit for global mobile communications, has signed distribution agreements for 91 countries including China, Japan, Russia and the whole EEC, but excluding the United States, Canada and most of Latin America.

* SPACE SHUTTLE ATLANTIS landed on Kennedy Space Center's Shuttle Landing Strip on May 24, at the end of a 9-day mission to Russia's MIR space station. ATLANTIS brought back to Earth 1,123 kg of samples and equipment including results from Germany's MIR 97 mission experiments. KAYSER-THREDE, of Munich, Germany, overviewed this return to Earth

on behalf of DARA, the German space agency.

* LOCKHEED MARTIN MISSILES & SPACE (LMMS), of Sunnyvale, California, has completed the design, development testing and integration of the qualification model for INTERNATIONAL SPACE STATION's SOLAR ARRAY. LMMS is under contract to provide 8 flight models of the 33x9-m solar arrays to supply electrical power to the station. Each array will feature 32,800 solar cells to provide more than 30kW.

* Late May The elements of the second ARIANE 5 QUALIFICATION VEHICLE will be shipped to Kourou, French Guyana. The vehicle is planned to loft two dummy payloads and two small science piggyback satellites on September 16.

* June 3 An ARIANE 44L-3 launcher is scheduled to carry two satellites into geosynchronous transfer orbit from Kourou, French Guyana. They are the INMARSAT 3-F4 mobile communications satellite for the INMARSAT organization, and the INSAT 2D communication satellite for the INDIAN SPACE RESEARCH ORGANIZATION (ISRO).

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HAM RADIO INTERNET ADDRESSES de WB1GXM

A new aspect of amateur radio is the tremendous explosion of information now available via the Internet. Everything from information on propagation to downloadable programs to run on your shack's PC or Mac is there waiting for you to access it.

In the April 1997 issue of *CQ VHF*, p. 42, there is a listing for the new version of the satellite program STSPLUS, v.9650. It is downloadable from: <ftp://ftp.mindspring.com/users/dransom>.

The latest version of VEC2TLE, a program that includes automated updates of space shuttle Keplerian elements for more accurate tracking, can be obtained from <http://www.amsat.org> or at NASA Spacelink at <http://space-link.mfsc.nasa.gov/>.

Here are some other sites of interest:

<http://www.qrz.com>
<http://www.leg.state.vt.us>
<http://www.atlasrr.com>
<http://www.redcross.com>
<http://www.mtn.org.handiham>
<http://www.fcc.gov>
<http://www.weather.com>
<http://www.irs.ustrea.gov>
<http://www.kenwood.net>
<http://www.alinco.com>
<http://www.icomamerica.com>
<http://www.stdradio.com>
<http://www.yaesu.com>
<http://www.hamradio.com>
<http://www.aesham.com>
<http://www.cushcraft.com>
<http://www.hamtronics.com>
<http://www.kantronics.com>
<http://www.arrl.org>

Another aspect of the Internet is e-mail. Currently, I'm at goslem@snet.com. I have started a CVFMA Digital Address Log. Could you send to me your e-mail (plus packet) address for the Digital Address Log? A form is included here.

de WB1GXM

REVISED VANITY CALL SIGN ELECTRONIC APPLI- CATION AVAILABLE

On May 19, 1997, a revised version of the electronic Amateur Station Vanity Call Sign Request form (FCC Form 610-V) was made available on the Internet at <http://www.fcc.gov/wtb/am-radsrv.html>. Under "Amateur Station Vanity Call Sign System" choose "Interactive Vanity Call Sign Application." This version allows a user to file multiple applications using one FCC Form 159 (Remittance Advice), thus permitting several applicants to file vanity applications at the same time and combine their fee payments. The fee will calculate and preprint on the FCC Form 159, depending on the number of applications submitted. Detailed instructions are available by clicking on the item number on the Internet form. Previously, applicants had to complete a separate FCC Form 159 for each application submitted electronically.

Electronic payment is not yet available, and applicants must mail a completed FCC Form 159 with payment to FCC, Box 358994, Pittsburgh, PA 15251-5994, immediately after submitting any electronic application(s).

For technical assistance, contact the FCC Technical Support Group, 202-414-1250. For general questions regarding the application or fee, call the Wireless Telecommunications Bureau Consumer Assistance staff, 800-322-1117. --FCC

Vanity update: On May 20, the FCC's Gettysburg office processed vanity call sign applications received between April 1 and May 14. Of the 919 applications, 456 resulted in new call signs and 463 wound up in the work in process (WIPs) stack for special handling. The FCC has not indicated when vanity Gate 3 for Advanced Class operators will open.

MARCH 15, 1997 TEST SESSION RESULTS

First, I'd like to thank all of the Volunteer Examiners who assisted with the test session: AA1PK, KA1ORB, KE1CT, K1LES, K2AJV, WZ1C, KA1ID and WB1EAE.

It was a good test session for 10 of the 12 applicants. The test session resulted in 1 Advance class, 2 Technician w/ code, 5 new Technicians w/o code, 2 applicants passing elements leading to upgrades later and 2 no pass.

The way the system is set up, once the FCC puts the call signs on the Internet, in about 7 days, (<http://www.qrz.com>), the new operator can get on the air right then and there. This is the same procedure for those obtaining a vanity call. Paperwork will follow in a week or so.

Congratulations to all those who were successful.

The next CVFMA test session will be at the seventh annual CVFMA Flea Market/Test Session on June 7, 1997, at the Goshen-Lempster Coop School, Rte. 10, Lempster, NH.

The Community Room at the Sugar River Savings Bank, Newport, NH, will be used for many of the test sessions. Can Vermont CVFMA members give me information on sites in eastern Vermont such as in Windsor, Springfield, Ludlow or Bellows Falls? If you have information or contact, please reach me on goslem@snet.com, 146.16/76, 603.543.1389 or WB1GXM@ WA1-ZYX.nh.

de Conrad, WB1GXM CVFMA VE
Team Liaison

Official CVFMA Test Dates-1997

June 7 (CVFMA Flea Market/Test
Session)
 September 20
 December 6 (Indoor Flea Market)

WHY???

de Deb, NN1C

What is the speed of dark?

When you're sending someone Styro-foam, what do you pack it in?

Why are there Braille signs on drive-up ATMs?

If women wear a pair of pants, a pair of glasses, and a pair of earrings, why don't they wear a pair of bras?

How come you never hear about grun- tled employees?

What is a "free" gift? Aren't all gifts free?

After eating, do amphibians have to wait one hour before getting out of the water?

If white wine goes with fish, do white grapes go with sushi?

What's another word for synonym?

If someone with multiple personalities threatens to kill himself, is it considered a hostage situation?

When sign makers go on strike, what is written on their picket signs?

Where do forest rangers go to "get away from it all"?

Why isn't there mouse-flavored cat food?

Why are builders afraid to have a 13th floor but book publishers aren't afraid to have a Chapter 11?

How can there be self-help groups?

Why do you need a driver's license to buy liquor when you can't drink and drive?

Why are cigarettes sold in gas stations when smoking is prohibited there?

Why are there interstate highways in Hawaii?

Why is it that when you transport something by car, its called a shipment, but when you transport something by ship, it's called cargo?

Why do we play in recitals and recite in plays?

Why isn't phonetic spelled the way it sounds?

Where are Preparations A through G?

Are there seeing eye humans for blind dogs?

If knees were backwards, what would chairs look like?

When you open a new bag of cotton balls, are you supposed to throw the top one away?

When your pet bird sees you reading the newspaper, does he wonder why you're just sitting there, staring at car- peting?

Ed. - I wasn't sure whether to give you all of these at once because of possible overdose. Deb did such a fine job compiling them that I wanted to pay tribute to her skills and humor.

Several of the founding members gathered at the General Meeting to show their plaid shirts and a duplexer. Can you name each of the members?



VT SECTION MAN- AGER RESIGNS

I would like to thank each one of you for your support during my tenure as Vermont Section Manager. Please support and trust Bernie Capron, N1NDN, your new Vermont Section Manager.

I am sorry I cannot continue to serve you due to a serious health problem which has arisen. I will always remember the support you have given to me to enjoy the privilege to serve you as Vermont Section Manager.

Teamwork in this kind of voluntary organization is of critical importance in order that an organization can work harmoniously. Again - thank you and I wish the best for all of you to continue a friendly and cooperative effort to better amateur radio in Vermont.

Again - thank you and 73 - Justin Barton.

New Vermont SM: The Green Mountain State has a new Section Manager. He's Bernard "Bernie" Capron, N1NDN, Route 1, Box 2086A, Northfield, VT 05663; tel. 802-485-7400; e-mail bernie@drbs.com. Capron succeeds Justin C. Barton, WA1ITZ, of Randolph, who resigned recently for health reasons. --Rick Palm, K1CE

(Continued from page 2)

Keene Mutual Aid 603-352-1100 Springfield, VT South to Mass border

Note: Only Accidents with injuries! Otherwise call VT State Police!

Norm, N1SJK, has dedicated this interstate mile marker inventory activity to his Great Uncle Neal Cobb, N1EME, from Springfield, VT. Neal became a SK in March 1997.

Our thanks to Norm for this compilation.

Boy Scout Hike-O-Ree

On May 3, Troop 218 Boy Scouts of America held a Hike-O-Ree at the Mt. Ascutney State Park in Windsor, VT. At the request of Troop 218, Bob, NINCT, and Marlon, KA1SMC, attended several committee meetings with the Windsor troop. The original purpose of the Hike-O-Ree was that the Boy Scouts would hike the four trails on Mt. Ascutney and clear trees and/or brush from the winter snows.

On the day of the hike, heavy rains changed the plans and the scouts hiked the auto road to the snow line at about 2000 ft. elevation. There was some trail work done on the Futures trail with approximately five scouts, Gary, N1MEU, and Roger, KA1YUT, braving the heavy rain. Aaron, NIJIB, also spent some time on the trail work providing communications.

With about 250 scouts hiking the auto road, we had James, N0JSR, Gary, N1PKP, and Evan, N1WVO, providing communications with Net Control. Ethan, N1WZR, was assigned the duty of keeping up with Dr. Lord in case the doctor was needed. Indeed, we had such a case and Ethan handled the situation like an expert.

James Stewart, EMT, did an excellent job in getting the Boy Scout from the mountain to the base and monitoring the scout's condition so that the scout was back to normal in about an hour.

An HF station was set up at the snow line. Clarence, N1FQS, and Shawn, N1QNX, made some HF contacts and demonstrated ham radio to some interested scouts. Laura, AA1PK, had a mobile HF station operating with solar panels keeping the batteries charged (even in the rain and snow!).

We could have done a lot more had the weather been better but everything

went pretty well and some even went beyond the call of duty. Special thanks to Bob, NINCT, who was the Assembly Coordinator and acted as Net Control. Also special thanks to Leigh, WB1EAE, who stayed warm and dry at home while he monitored 146.58 as a backup if needed and he had several occasions to help out. Again, thanks Leigh.

Thanks Bob, for giving me the opportunity to coordinate the event. I certainly learned a lot and look forward to doing it again. It was a pleasure working with the committee from Troop 218 and there were a great group to work with. They really appreciated our assistance.

Marlon, KA1SMC
Event Coordinator

Spikes (Electrical) and Power Surges Not Welcome Here

While spending time in Vermont last fall, I was privy to see the destruction of a TV set and electronic clock by a power surge! Both of these units were transistorized. It was a stroke of luck that ham gear, computer or other choice and expensive equipment were not plugged in. Yes, it was a power surge and a check with the weather bureau proves that no lightning storms had been in the area. The power company found a loose ground connection at the pole transformer feeding the house.

An article appeared in the press entitled "Whole House Surge Protection". The author, Jim Dulley, explained very convincingly that every house should have a whole house voltage surge protector in addition to INDIVIDUAL PLUG-IN OUTLET SURGE PROTECTORS! Most of us have the latter in the direct line to our ham radio and computing equipment, etc. Each day, hundreds of short-duration surges, many over 5000 volts (wow!) enter our homes! It's not only COMPUTERS, VCRs and microwaves that are damaged by high voltage surges. Most dishwashers,

clothes washers and dryers, etc. have delicate controls that can be damaged by these high voltage surges. Even light bulbs have shorter lives!

I was interested...

An electrical supply house was contacted and they recommended that, for maximum effectiveness, the suppressor should be installed directly to the breaker panel with the lead wires (3) cut as short as possible. The method of using panel mount suppressors has proven to be very effective and quite necessary. EVEN IF THE BRANCH CIRCUIT AT THE EQUIPMENT HAS PLUG TYPE SUPPRESSION, high voltage transients entering a branch circuit can rise even higher by the time they reach the point of use due to the high impedance in the small wire! This can result in transient voltages higher than the plug-in type protector can withstand. Transients not only affect solid state components but any piece of equipment that uses electricity! Transients shorten the life of electrical equipment to one degree or another.

Some persons have unknowingly operated their electronic equipment for years with no apparent protection although plug-in type suppressors have been used! If the house is wired for the former 2-wire system with no ground wire and conversion 2-wire to 3-wire plugs are used, this essentially eliminates the ground. The suppressors in this case are as good as nothing!

The problem can be solved by installing new 3-prong wall plugs. The metal box is now the ground!

Most electrical supply stores carry a line of whole house suppressors that can be matched to various newer circuit panels.

Submitted by:
Bill Stemples
WA1WVS (Wipeout Voltage Surges)
on-line: WSTEMPLES@AOL.COM

UPCOMING EVENTS

AUDREY PROUTY RIDE

The Audrey Prouty ride and walk will be held on July 12th in the Hanover area. It covers up to 100 miles throughout the countryside north of Hanover. If you have worked this before and would like to reserve a spot or if you would like to help out for the first time please contact Dan, KA1ZYH, or Verne, N5IEP.

100 MILE RUN

This year the 100 mile run in Vermont will start at 05:00 am on 19th of July and conclude at 11:00 am on July 20th. I can use all the operators that would like to help. There is always a job for anyone any time during the run. If someone has already worked this event I need to know if they would like a certain station, day and time this year. If you are interested in helping with communications for this event please contact Bob, N1NCT, or Verne, N5IEP.

| | |
|---|---|
| SAMRATS Breakfast | Last Saturday of each month at 10 am at B.J. Brickers Restaurant on Washington Road in Claremont, NH (contact KA1III) |
| Weather Net | Monday-Friday at 6:30 am, 5:30 pm and 10 pm on 146.760 MHz |
| CVFMA Hamfest | June 7 at Goshem Lempster Coop. School in Lempster, NH |
| ARRL Field Day | June 28-29 at Fort No. 4 in Charlestown, NH |
| Field Day Family B-B-Q | June 28 at Fort No. 4 in Charlestown, NH |
| Norris Cotton Century Ride and Fitness Walk | July 12 in Hanover, NH (see Audry Prouty information above) |
| Sugar River Amateur Radio Festival | July 19 in Newport, NH |
| Vermont Adaptive Ski & Sports 100 mi. Endurance Run | July 19-20 across Windsor County, VT (see 100 Mile Run information above) |
| Fall Foliage Picnic | October 4 at Sunapee State Park in Sunapee, NH |
| Vermont Adaptive Ski & Sports 50 mi. Endurance Run | October 5 across Windsor County, VT |
| Claremont First Night | December 31 in Claremont, NH |
| Cabin Fever Blues Dinner | January at the Homestead Inn in Walpole, NH |

Please feel free to contact any of the Board Members of CVFMA or any of the individuals named above if you would like more information on any event, would like to volunteer for any (or all) activity (ies), need instructions on how to reach the location, etc.

As always, your attendance and participation is welcome and wanted!

HARDWARE STATUS

Those that use the Moose Mountain repeater, 147.240 MHz, and those that have heard the bulletin on the Mt. Ascutney repeater know now that the Moose Mt. repeater has been removed from the mountain for repair. The repeater has been exhibiting front end oscillation (described as analogous to "moose kissing"—how does Dave, N1HAC, know about moose kissing?). Also, one or more of the power input filter capacitors had burned and charred the area around it. It was decided to return the unit to its manufacturer for a complete physical and overhaul; the repeater is due back in several weeks and will be returned to service soon thereafter.

While the 147.240 repeater is down, the TSRC has been using the CVFMA antenna on Moose Mt. The TSRC has had a problem with the coaxial cable connector for its antenna and use of the CVFMA antenna was fortuitous.

The Mt. Ascutney repeater will be visited soon for a checkup. It has been noticed that the repeater transmit frequency appears to have drifted by several kHz; this will be adjusted. In addition, the antenna, hardware, etc. will be checked for integrity, leaks and installation issues.

The CVFMA has various equipment that is available to Association members. In addition to a 2 meter handheld and various batteries for same, the Association has one or more antennas, coaxial cable, etc. Members desiring to borrow this equipment are encouraged to contact Bob, N1NCT.

Any Association member (in fact, anyone in the amateur radio community) that has spare equipment, components, hardware, etc. and would like to donate it to the Association is encouraged to contact Bob, N1NCT, with a listing of the equipment, its condition, and its availability. The Association has several members that can check the equipment for operation, etc.

Editorial

You have heard the interference on the repeater and it is annoying.

Two forms of activity interfere with the use of any repeater; they now affect repeater usage in the Upper Valley. Intermod from local paging companies are causing frequent interference on virtually all of the 2-meter band. It appears/sounds as though the paging companies are transmitting off frequency or are transmitting directly into the front end of the receiver thereby skipping the filters.

After several contacts to ARRL and to the FCC (who referred me to the ARRL), we learn that the amateur radio community is responsible for filtering out any unwanted intermod from our receivers. This annoying interference that we too often hear is actually the result of operating frequencies adding and/or subtracting; nobody is transmitting improperly, it's just the way the frequencies combine. (Of course, there could also be discrepant transmitters but we will assume that each transmitter is

operating properly).

The solution to this interference has been discussed in several QST articles; refer to August 1996 QST's 'Intermod - A Modern Urban Problem'. This article includes a simple notch filter project (see Feedback, November 1996, p. 70 for a corrected component value).

The other interference that we are often stuck with is generated intentionally. We have it now.

Someone has taken the opportunity to transmit short durations of nonsensical noise on the Mt. Ascutney repeater frequency. The issue is: what to do about it?

As Trustee of the Association's radio equipment, I feel obligated to ensure that the repeaters, etc. are kept at peak performance and available to the membership and the general amateur radio community as much as possible. Therefore, to ensure availability of the repeaters and the phone patch in the event of an emergency, the various systems must be kept on the air as much as possible.

This then dictates that we overcome our

frustration with intended interference and concentrate on our own radio conduct and behavior. In particular, recognition and expression of frustration while on the air only tend to encourage any offenders to continue their activity as it is obviously getting them attention.

If you know of any new operators that are having difficulty or feel uncomfortable using the repeaters, phone patch, etc., please give them a hand with proper use protocol.

James, N0JSR

BOY SCOUT HIKE-ENFIELD

On April 27, the Daniel Webster Council of the Boy Scouts of America held its annual hike. In years past, this hike was held in Cornish, NH and CVFMA members supported the hike.

This year, the hike was held in Enfield, NH and was supported by members of TSRC and CVFMA. Included in this group of supporters were: Moriah, N1WZY, Steve, KA1NYP, Verne, N5IEP, and James, N0JSR.

In the Kitchen with Jeanne Wood

From Jeanne comes the following recipe for the meatballs that she brought to the April General Meeting:

Jeanne's Meatballs

- 1 crock pot
- 1 8-oz. jar of grape jelly
- 1 10-oz. jar of chili sauce (Heinz or Hanniford, any brand will do)
- 1 package of ready-made Italian meat balls (or make your own!)
- (optional - add chopped onion to taste)

Cook slowly for at least three (3) hours in the crock pot.

enjoy!

A quarterly publication of the Connecticut Valley FM Association

May 1997

CVFMA

An ARRL Affiliated Club

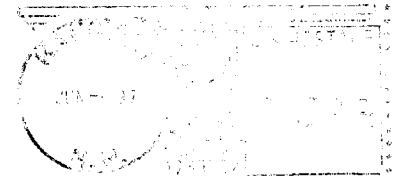
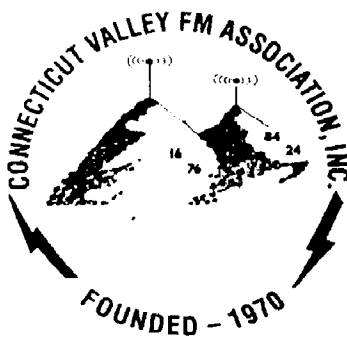
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Inside This Issue:

- General CVFMA Meeting*
- Tour de Sol*
- Landmarks and Markers on I-91 and I-89*
- Space News*
- In the Kitchen with Jeanne Wood*
- Hardware Status*

HAVE YOU VOLUNTEERED TO HELP WITH FIELD DAY? CONTACT N1SJK

CVFMA MEMBERSHIP DIGITAL ADDRESS LOG

I am putting together a digital, address log for the CVFMA membership. Could you leave your packet and or Internet e-mail address in the space provided?

Once the initial phase of the project is complete, copies of the Log will be distributed to the membership.

Thank you for you assistance.

73, Conrad, WB1GXM

Packet address-----

Internet-----

Other digital addresses that you could share with the membership, would also be helpful.

Return to me at:

POB 1076, Claremont, NH 03743
WB1GXM @ WA1ZYX.nh.us.noam
goshlem@srnet.com

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