



Inside this Issue

- 1 Dues are Due !!
- 1 The President Speaks
- 2 Peep from the Veep
- 2 Hello, 2000 - We're Ready!
- 2 Field Test - Skywarn and ARES Decals
- 3 Some FCC Rules You Should Review...
- 3 Club Business
- 4 Boy's Gadgets...
- 5 AARC Classified Ads
- 5 Manifests of Some
- 5 VE Sessions - 2000
- 5 FCC Database Updates
- 5 Birthdays This Month

Meeting Notice

The next AARC meeting will be the **Winter Dinner**. It will be held on Sunday, January 9, 2000 at 6:00 PM, at the Old Country Buffet, next to Toys R Us on US Rte 29.

Dues are Due !!

Year 2000 Dues are due JANUARY 1st !!

Regular Membership = \$20 (Single Member)

Family Membership = \$25 (2 or more Hams in same household)

Youth Membership = \$0 (if under 18 years old on January 1, 2000)

Subscription to Newsletter = \$12

Make your check **payable to AARC** and mail the check to:

Sharon Duvall (K040C)

1775 Tinkers Cove Road

Charlottesville, VA 22911

Note: Only paid-up members, subscribers, active Youth members (who are the only Ham in the household) and Life members will receive the newsletter by U.S. Mail after the January issue.

Would you like to enjoy the contents of the newsletter and have more of your dues applied to the needs of the AARC operations? This can be done at little or no additional cost to you, if you have access to the Internet via e-mail or a web browser. The savings for the AARC can be approximately \$12 per year for each member who signs up for AARC ONLINE NEWS or E-MAIL NEWS. Contact Joe Fritz: 804 973-1738 or via Email at kd4rwx@aol.com.

The President Speaks

Bob, K4DU

January is a time for new beginnings. It is a good time to reflect on past accomplishments and to set sights on goals for the year to come. Perhaps this is the year to put up that new antenna or get into satellite work. Maybe this year to get involved in public service events or make it a point to be a regular on one of the nets. If you are goal oriented like I am, spend a few minutes writing down some goals for 2000. At this point you are probably saying something like "Sure Bob, have you forgotten this is a hobby?" No I haven't forgotten that amateur radio is a hobby. At the risk some future personal embarrassment I will share my initial list of goals for the station at K4DU.

K4DU Short Range Goals for 2000

1. Obtain and install a new HF beam for 10-12-15-17-20 meters.
2. Move the VHF-UHF antennas.
3. Install a new HF wire antenna perpendicular to the current Carolina Windom.
4. Obtain and build a Ten-Tec 220 Transceiver kit.

It is important that the club have goals for the New Year too. Here are some likely candidates for the list.

1. Promote amateur radio to the community through presentations in schools and through service organizations such as scouting.
2. Institute an active press program.
3. Recruit new people to the hobby and new members to the club.
4. Encourage members to upgrade and enhance the clubs support of that process through recognition and support of those who act as "Elmers".

Perhaps there are other items you would like to add to the list. Even better, perhaps you are ready to step forward and help in the effort. We have a great challenge ahead of us this year. If you have some ideas on the subject or wish to volunteer for a project send an e-mail to K4DU@arri.org or see me at a club or a board meeting. The club needs your help to move forward. I ask for your help in that effort. To paraphrase President John F. Kennedy, Ask not what your radio club can do for you, ask what you can do for your radio club.

73 de K4DU

Peep From The Veep

Dick W4BZW

Happy New Year! I hope that everyone has made the transition into the New Year without experiencing any of the hardware and/or software problems so talked about last year. As a member of the new administration, I would like to thank all those who served last year and I hope that I can be a part of the continued smooth operation of the AARC for another year.

I am responsible for the monthly programs at the AARC meetings and I would like to solicit your ideas for program topics and speakers. I personally like a mix of public service related presentations and technical topics with a weighting more to the technical side. I would like to know what your desires are and any suggestions you might have for talks. Please email me at either w4bzw@arri.net or rmullik@cville.net with your suggestions and comments.

The January meeting of the AARC will be the annual dinner meeting at the Old Country Buffet on the evening of January 9 at 6:00 PM. This was the site of last year's dinner meeting and everyone seemed to have a good time. I hope to see you there this year.

Hello, 2000 ... We're Ready!

Harry, W2HD

Welcome to the new year and new millennium fellow radio amateurs. Do you feel any different? I doubt it! Personally, I feel just as I did last month... only older!

However, there is a message that might make some sense around a point in time that calls for an inspection of our Ham Radio habits, and it's this:

More than just a few decades ago... in fact, in 1928, W9EEA, Paul M. Segal, then the American Radio Relay League's General Counsel, wrote the original Amateur's Code which has appeared for years in ARRL publications. The highlighting words are: Considerate, Loyal, Progressive, Friendly, Balanced and Patriotic. Each one of these carries with it a one or two line description that can be used as a guide for our Amateur Radio operating practices.

Under Considerate, Mr. Segal writes: "never knowingly operates in such a way as to lessen the pleasure of others." Yes, it's tough in today's crowded bands to maintain one's composure, but isn't it a good idea to try?

Under Loyal (and this may be argued by some): "offers loyalty, encouragement and support to other amateurs, local clubs, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally." You may not agree with all that the League does for us, but it would be hard to imagine Amateur Radio as we enjoy it without ARRL.

For Progressive, W9EEA says: "with knowledge abreast of science, a well-built and efficient station and operation above reproach." No argument here.

For Friendly: "slow and patient operating when requested, friendly advice and counsel to the beginner; kindly assistance, cooperation and

consideration of others. These are the hallmarks of the amateur spirit." Once again, no argument.

Balanced is something that many strive for but few achieve. Any bets? Here's what Mr. Segal says: "radio is an avocation, never interfering with duties owed to family, job, school or community. Fellows and gals, think about that one for a minute or two. Can you truly say you have achieved a balance? Ask your non-Ham wife or husband, your kids, your friends. Do they agree? It is really so easy to get all tied up in something so encompassing!

Finally, Paul writes about Patriotic: "station and skill always ready for service to country and community." That's easy for us to meet here because so many work in public service activities.

Well, there they are... written many years ago, but still telling the truths which probably encouraged W9EEA to prepare them. Do they make you think a little? 73...

Field Test - Skywarn and ARES Decals

Jim Pierpoint, W4CAD - AARC and Virginia ARES Member

As part of my preparation for ARES, I realized that I needed some better "identification" for my vehicle. I wanted "instant" recognition of my vehicle so that any Highway Patrolman at a roadblock, or emergency agency, upon seeing my truck and its "decals", would easily identify me as being part of ARES Amateur Radio Emergency Services, and would, therefore, *LET ME PASS* into affected areas quickly without any hassle.

Last spring, I bought several window "decal stickers" for my vehicle. I installed several SKYWARN decals and several ARES decals (with my call sign on the decals) onto my vehicle rear windows and back glass.

The decals may be found at the URL: <http://www.n9nnp.com>

The decals are printed in full color, and appeared to be "first class" in layout and workmanship. The colors were vibrant and "radiant"... especially the "orange" color on the SKYWARN decals. The resin ink used actually "impregnates" the vinyl backing material, assuring that the colors are "deep" and cannot be easily "washed off".

The stickers are printed on vinyl with a "resin" ink (not silk-screened) on a large format plotter. The plotter holds up to a 24" wide roll of vinyl. The ink supplier is Roland Corp, and they claim up to 3 years of UV protection.

My vehicle has been "exposed" to the hot sun all summer long, and I see absolutely NO color fading or color "wash-out" whatsoever. This is unlike the SKYWARN decals you might have received from the Dept. of Commerce (National Weather Service) when you completed your SKYWARN training classes. Those are made on paper and color fades within 1 month after being exposed to sunlight (UV radiation). I have washed my vehicle several times since last spring. I have washed directly over my vinyl decals with NO signs of color removal or color fading at all. The vinyl decal shows NO sign of "peeling off".

I opted to have my call sign printed on both the ARES and the SKYWARN decals for a "personal" touch. I installed a SKYWARN decal and an ARES decal on both rear side windows of my vehicle, and then installed one of each on my back glass, up high and "out of the way" of any visual obstruction.

One must be very careful installing these decals... they have a wax paper backing that peels off, exposing the "sticky" back of the vinyl. The best way to install them is to peel back the wax paper, exposing about 1 inch of the sticky back vinyl... then carefully "stick" that exposed 1 inch onto your window... peeling back the wax paper underneath as you smooth the vinyl decal down with your other hand. You only have 1 shot at this, but if you are careful, the decal will go on smoothly and look GREAT.

This product is eyeing the manufacturer's claim... the decals are "first class" and should last you several years or service (intermittent).

Some FCC Rules You Should Review..

Joe, KD4RWX

Additional information related to the new ULS system can be obtained at <http://www.fcc.gov/wtb/uls>.

All Amateurs are required to submit their Social Security number and register in the ULS. However, I am noting the following to remind you that address changes are very important.

You can lose your license if the FCC tries to contact you and their notice is bounced back to them.

I do not know if the FCC is going to issue new licenses as a result of any restructuring process, but if they do many, many Hams are going to lose their ticket because they cannot be notified. Check your license and see if that address agrees with the one on your last electric bill. If it does not, get with the program. Read the FCC statement below.

License Renewal and Change of Name or Address

You may use a FCC Form 605 document to apply for renewal, including those within the grace period, or necessary modification of your name or mailing address shown on your amateur operator/primary station license grant. Use FCC Form 610-B document for a club, military recreation or RACES station.

Order the form from (800) 418-FORM (3676), download it from the Web at <http://www.fcc.gov/formpage.html>, or call our Fax-on-demand system at the number (202) 418-0177 from the handset of a facsimile machine.

FCC Form 605 may be submitted electronically, or mailed to, or in person to:

FCC

1270 Fairfield Road

Gettysburg, PA 17325-7245

You may receive a license expiration notification from an entity that is also a VEC, but you are not required to use its services. File for renewal 30-60 days, but no more than 90 days, before your license expiration date. C.F.R. Section 97.21, provides that when your application for renewal has been received by the FCC at the above address on or before the license expiration date, your operating authority is continued until the final disposition of your application. If your license expires, you may apply for renewal of the license for another term during a two-year filing grace period. The application document must be received by the FCC at the above address on or before the end of the grace period. Unless and until the license is renewed, no amateur operator or station operating privileges are conferred.

Change of name or address. If your license has not expired, C.F.R Section 97.21 requires you to apply for timely modification of the license as necessary to show your correct mailing address, name, club name, and license trustee or custodian name. There is no fee. Revocation of your station license or suspension of your operator license may result when correspondence from the FCC is returned as undeliverable because you failed to provide the correct mailing address. For an operator / primary station license, the application must be made on a FCC Form 605 document.

Club Business

AARC Board Minutes Dec. 7, 1999

In the absence of the President, the Vice President, Jessie (KE4OID), presided. Board members present were: Jessie (KE4OID), Joe (KD4RWX), Dave (K4DND), Hein (N4FWA), Rick (KO4WQ), Mike (AC4ZQ).

Dave indicated a recommendation to not replace an antenna at the hospital.

Y2K gathering times would be 10 PM - 2 AM.

At a meeting of the 147.075 Repeater Group it was suggested that they adopt the same repeater codes as ours to facilitate emergency coordination; an attempt to gain a repeater site on Brown's Mountain failed; and he suggested that we set up a group to locate additional repeater sites and conduct discussions with responsible persons, if required. (Mike has a list of sites previously contacted during his investigations).

The President called upon Board Member-Elect, Jimmy (K4JMY) to report on his independent search results. Jimmy reported that he had contacted individuals concerning a site on Marshall Mountain. This is a Kluge tower located at 1300 feet. It is just south of the previous Carter's Mountain site. Dave moved that Jimmy be authorized to follow up on the Marshall Mountain site. The motion passed. The President authorized Jimmy to head and select a group to assist in the process of this activity as well as looking at other sites. Named were Dave, Hein, Elmer, Greg and Jimmy. This is the committee that Dave had initially recommended. (Note: The incoming President will need to reappoint the committee when he assumes office in January. However, the motion stands and is not needed to be moved again.)

Mike mentioned that the .76 repeater had a squelch that seemed to drift under changing temperature conditions; the repeater output is about 30 Watts; the CTCSS has been fixed; the 220 cans are still in the building process and he passed on information that Ron (K4RKA) might have access to some old cell phones. He further reported that the PBBS is down due to a faulty motherboard on the computer.

Jimmy asked for a complete breakdown of the expenditures on the .76 repeater by the January meeting when he assumes a Board Member's position.

Bob (K4DU), the President-elect, reported that a FrostFest table would be

available for club members to sell equipment.

Hein reported that he had zero interest in the reestablishing of the autopatch. Suggested that the 147.075 Repeater Group be contacted about how they have set up an autopatch in a private home.

Greg (N4PGS) desires to turn over the duties of the Activity Committee's Public Service Events responsibilities to someone else as soon as possible.

Elmer (KF4UCI), a Board Member-Elect, indicated that he had a commercial repeater to offer the Club - This will be turned over to the Technical Committee.

Meeting was adjourned.

AARC Regular Meeting Minutes December 14, 1999

Marge Thomas presented the program. She spoke and answered questions related to the Emergency Operations Center (EOC) - Also known as the Emergency Communications Center. Her presentation was very informative and involved ways the Amateur Radio community could be involved. The program was well received.

The minutes of the last meeting were approved.

New club member was approved: Ed Eckelmeyer (K1EE).

New Directories were distributed. Tom Rae noted an error in his call. The correct call is W4RAE. Please make changes in your new directory.

Greg (N4PGS) offered a drawing for a computer setup. Tom Rae (W4RAE) won it.

Elmer (KF4UCI) won a drawing for an oscilloscope donated by Steven Traylor (KF4ZGD).

The meeting was adjourned.

Submitted by Joseph D. Fritz, Secretary

Bob's Babblings...

Bob, K4UVT

Happy New Millennium to all AARC members! I sincerely hope the year 2000 will be a happy and prosperous one for everybody. This is my inaugural issue as editor of the AARC Bulletin and I hope you enjoy it as much as I have enjoyed putting it together. I think we've got some very useful and informative articles to start off the new year.

And I think we'll have more as time goes on. Dave, K4DND, made an excellent suggestion on the Monday night Info net recently that I think would be very helpful. Ever get on the bands and draw a blank as to what the band limits are and what operating modes are permitted on particular frequencies? That's where having a copy of the band plan for that band comes in quite handy! Beginning with next month's issue, I intend to publish the comprehensive band plan for at least one band each month. These band plans are available on the ARRL Web, for those who have Internet access. But I plan to include them in the Bulletin for the benefit of those without web access and also as an aid you can pick up and refer to in a jiffy.

Please let me know if you like the new format of the Bulletin. I tend to tinker at times in an effort to improve things, so you may see variations in format every so often. I also have several ideas to make our Bulletin more interesting that you will see in the months to come. Please feel free to make any comments or suggestions as to what you want to see in the Bulletin, either to me directly or to any of our club officers and directors.

If you wish to contribute an article, please send it to me as early as possible. That will help me to be sure we get the bulletin to you in a timely manner. Mni, trix!

73 & CU all soon!

ARES Survival Gear Lists

Jim, W4CAD

The following checklists are offered to provide you with a comprehensive reference for equipping yourself for any significant work in the ARES program.

The "NOTES" sections apply to both 8-hour shifts AND 72-hour Extended stays.

Note 1: Items marked with a ♦ may be obtained on the Internet at <http://www.n9npp.com>

Note 2: Items marked with a * are **OPTIONAL** gear.

Identification

8-Hour

- Cap with name and call sign
- Amateur Radio FCC License (wallet)
- ♦ ARES badge
- ♦ ARES vehicle window stickers
- ARES/RACES ID card (wallet)
- ♦ *SKYWARN vehicle window stickers
- ♦ *SKYWARN ID card with national/local number (**SKYWARN items NOT optional for extended stay**)
- Name and call sign badge (for use inside shelter) (<http://www.thesignman.com>)
- Amateur Radio "vehicle license plate" on car/truck

NOTES On ID: IDENTIFICATION is VERY, VERY important... you will need most, if not all items listed. If you arrive at a road block, the HP will quickly identify you by your **Amateur radio license tag** on your vehicle, as well as by other ARES/RACES "decals" on the car... you will be allowed "to pass" into the affected areas easily. Everybody in a shelter "looks the same"... anyone who wants to use your services will identify you (in the crowd) by your name and call sign on your cap, as well as your ARES/RACES badge. Each identification item you have on your person and on your vehicle makes it easy for other team members (ARES/RACES, RED CROSS, Police, HP, Sheriff, FEMA, EC, SEC, EOC, etc) to recognize you and KNOW of your services.

Radio Gear

8-Hour

- Power Supply, 110vac input and 12vdc output, 30 amp rated
- "Brick" type amplifier rated at 1-5 watts input and 35-50 watts output with a current draw no more than 15 amps maximum.
- Dual band mobile radio installed in car/truck
- Dual band magnetic mounted mobile antenna
- Extra mobile antenna screw-on element
- Operating manual for mobile Dual band radio
- Dual band HT
- Battery packs (2 or more)
- Rubberduck antenna w/adapter

- Telescoping antenna (better long range performance) for HT w/adapter
- Coax (50 ft) between HT and any external antenna w/adapters
- HT Power Cord (12vdc)
 - With alligator clips to deep cycle battery)
 - With cord plug-ins to 12vdc power supply
- Operating manual for HT
- Dual band BASE radio for use inside shelters
- Base radio Power Cord (12vdc) with alligator clips to deep cycle battery)
- Base radio Power Cord (12vdc) with cord plug-ins to 12vdc power supply
- VERTICAL 2-meter antenna (approx 5-6 foot long) encased in fiberglass radome
- Vertically polarized and non-directional, 4.5 dbi gain, 3-4Mhz bandwidth W/mounting rope for hanging (and/or)
- (One or two) Radio Shack extension masts w/clamps and adapter on top for antenna and adapter on bottom w/universal clamps to attach to rail or wall (inside or outside shelter) (**or**)
- J-POLE type antenna w/mounting rope for hanging (or) mounting brackets
- Coax (50-100 ft) between base radio and external antenna w/adapters
- Operating manual for BASE radio

Optional equipment

- ❖ *Regular 9 volt transistor radio with TV/am/fm bands (Radio Shack)
- ❖ *Portable Cell phone with charger and cord and extra battery pack
- ❖ *Truck Cell phone
- ❖ *(12 volt TV) small color w/antenna and 12 volt adapter cord w/alligator clips
- ❖ *Handheld Recorder with batteries
- ❖ *Waterproof Camera w/film
- ❖ *Scanner w/antenna

Extended Stay

- Dual band HT
- Earphones/speaker-mic (for noisy environment)
- Aux speaker
- Quick charger (110vac)
- Dual band BASE radio for use inside shelters
- Earphones/speaker-mic (for noisy environment)
- Aux speaker
- Vertical 2-meter (approx 5-6 foot long) antenna encased in fiberglass radome
- Vertically polarized and non-directional, 3-5dbi gain
- Universal Mounting bracket and c-clamps for mast to radome encased antenna (for mounting masts outside on building roofs/walls/etc)
- Operating manual for BASE radio
- Mast (fiberglass), 5 foot section w/adapter clamps for antenna and steel mast extensions
- Antenna should be "adapted" on one end of fiberglass mast... the other end of mast should be adapted to steel extension masts
- Mast, 2 sections of 5 foot lengths w/clamps (Radio Shack)
- Heavy duty adjustable rear "Bumper Mount" for above masts or "universal" type mount for your heavy duty "radome" antenna... must be able to

either "hang it" (suspend it) inside or mount it outside on a wall or roof or rail.

NOTES On Radio Gear:

Three radios are on this list... if you are assigned to a shelter, you will need a BASE type radio... if you are assigned a "field" position, you will need either an HT and/or possibly a mobile radio. Also, remember that HT radios may not be rated for "continuous duty" at 5 watts output, whereas, a "mobile" type radio is rated "continuous duty"... DO NOT count on your HT standing up to rigorous 100% duty... it will let you down.

It is easy to "break" a whip antenna on your HT... carry a spare! Three antennas are listed above... determine your needs and select accordingly. Some shelters may not already have an antenna installed for your use... carry a good windproof and weatherproof antenna for your BASE station with some type of "universal" mounting.

You MUST carry a 12 volt power supply into the shelter... select one that is rated at 25-35 amps... it will "run" your base radio easily at 20 watts and pull approximately 6 amps, but it will also let you hook up an emergency 12 volt light for your station if and when the "lights go out", and run your "brick" type amplifier from it.

If you prudently select a power supply rated at 25-35 amps, it will run ALL your radio gear, amplifier, lights, etc such that maximum amp draw will be at or under its (power supply) rated capacity. It is not uncommon to "share" your power supply with another amateur radio operator... that operator will ALSO pull amperage from your power supply... just sum up your amperage draw AND his amperage draw... make sure you stay at or under the power supply rated capacity. You can also run your "brick" amplifier off of the same power supply source... your "brick" amplifier should be rated at 1-10 watts input and 35-50 watts output with a current draw no more than 10-15 amps. A good power supply selection would be MFJ #1035MV conventional (heavy) power supply as your first choice, or MFJ #4225MV (lightweight) switching power supply as your second choice.

Personal Gear

8-Hour

- Clothes for a warm day or cold night assignment
- Rain suit
- Waterproof Boots
- Waterproof Gortex cap
- Chemical hand and body warmers... may not have heat in shelters
- DEET insect spray-on for mosquitoes... really bad some nights...
- Extra pair of prescription glasses in hard case
- Sun glasses in hard case
- Emergency "cash" and credit cards

Extended Stay

- Pants, shirts, underwear, socks (3 sets each) in suitcase
- Heavy cold weather clothes
- Light warm weather clothes
- Gloves, coat

- Sleeping bag
- Pillow
- Blankets (2)
- Knife with sheath
- DEET insect spray-on
- Toilet paper roll (stored in waterproof baggie)
- Soap (stored in waterproof storage baggie)
- Extra pair of prescription glasses in hard case
- Sun glasses in hard case
- Towels (2)
- Emergency "cash" and credit cards
- Shaving bag w/razor and foam lather

NOTES On Personal Gear:

It is **critical** that you carry a GOOD rain suit... not a cheap \$5 poncho. Often the wind speed is such that a "poncho" type rain cover will just "blow up" and not get the job done. You do not need to be sitting in a shelter with cold, wet clothes on... buy a GOOD rain suit that will keep you dry under extraordinary conditions. You must also have a "rainproof" hat... easily bought with "Gortex" liner built in. Most emergencies that you will "work" involve wet, rainy conditions, whether it be floods, tornados, hurricanes, snow and ice ... your boots must also be waterproof... even if you are only going to be there for a regular 8-hour shift, carry a change of clothes and dry socks, and a towel... EXPECT WET CONDITIONS.

Food and Water

8-Hour

- Water jugs: 1 gallon per person per day (plastic jug) keep in car/truck
- Food: 1 days supply
- Wrapped sandwiches, potato chips, snacks, etc
- Canteen (1) and belt
- Salt, sugar, powdered creamer
- Manual can opener
- Manual bottle opener

Extended Stay

- Cooler, large, for ice storage
- Water jugs: 5 gallons minimum (plastic jugs) keep in car/truck
- Food: 3 days supply
 - MRE's
 - Snacks
 - Wrapped sandwiches, potato chips, etc
 - Canned goods
- Sterno stove with sterno cans or any small cook stove
- Canteen (2) and belt, water purification tablets
- Mess kit w/knife, fork, spoon (army surplus)
- Paper plates, cups

NOTES On Food and Water:

You should carry, at minimum, 1 gallon of water per day for drinking purposes. If you are doing "damage assessment" for the RED CROSS, then by all means, carry a canteen (or two) on a belt, as you will be outside "moving around" frequently. Look for ARMY/NAVY surplus gear here, and buy gear that is stamped "US" or "GI".... You will be buying TOP QUALITY gear if it has

been "issued" with "US" stamped on it. If you buy a canteen that is not built under military specifications with a "US" or "GI" stamp on it, then likely the belt will break as you are carrying it under adverse field conditions... do not scrimp here. If you are going to be located in a shelter, then just carry your water in 2-liter plastic COKE bottles... store them in a "cool" place, not in your vehicle where they will "heat up"... nothing worse than having to drink "hot water".

If you are there for an 8-hour shift, then pack sandwiches, crackers, any type of food that will not need "heating up". If you are there for an "extended stay" of 72 hours, then also carry canned food and some type of heating stove that does not require electricity... sterno cans and a survival stove work well here.

ALL items listed are for **YOUR SURVIVAL ONLY**. At no time do you "pass out" your food or water. You are not down there in the affected area to hand out food, clothing, and shelter... You are down there **ONLY** to carry on emergency communications. Do not expect a "hand-out" in the way of food, water or blankets from the RED CROSS. You **MUST** provide for yourself... Do not ask for any "handouts" and do not expect any!

Health Aids

8-Hour

- Aspirin
- Antacid-Tums or Roloids
- Cigarettes, waterproof matches, ashtray... if you smoke
- Anti-diarrhea pills
- Laxative pills
- Special prescription medicine you must take

Extended Stay

- Band-Aids, gauze, and tape
- Scissors
- Antiseptic
- Suntan lotion
- Poison ivy lotion

NOTES On Health Aids:

There's nothing worse that "manning" your station and having Diarrhea... better take some anti-diarrhea medicine with you or you will be helping no-one.

Take any "prescribed" medicine you need. Also, if you are susceptible to toothache pain, then carry "Ambesol". Even a short 8-hour shift can bring on a headache... carry aspirin or pain reliever of your choice.

Vehicle Items

8-Hour

- Spare car keys hidden (attached underneath your car)
- "Sealed" Deep Cycle battery (1) for use inside shelter
- Battery Charger (110 volt) for above deep cycle battery

- Flat tire sealer in pressurized cans (2 cans)
- Tool box: Pliers, screwdrivers, wire, side cutters, electrical tape, wrenches
- Multimeter w/fresh batteries
- Flashlight with WHITE lens
- Flashlight with RED lens (to direct traffic at night)
- Extra batteries and bulbs for flashlight
- Orange plastic "reflective" type vest
- Extension cord, 12/3, 75 foot with multi plug in
- Extension cord, 14/3, 25 foot with multi plug in
- Surge protectors (2)
- Extra fuses for truck
- Extra fuses for radio equipment
- Jumper cables
- Fire extinguisher
- Red interior light in truck for map reading (12 volts)
- Road flares
- Marine Flare gun w/cartridges
- Plastic Trash bags

Note: Some of the items stored in your vehicle will also be carried into the shelter...

Extended Stay

- "Sealed" Deep Cycle batteries (2) for use inside shelter
- Battery Charger (110 volt) for above deep cycle batteries
- Surplus folding Shovel, axe, hatchet, pick, machete
- Chain saw w/fuel (store fuel safely)
- Electrical heater (12 volt)
- Chemical light sticks (army surplus)
- Chemical body and hand warmers (army surplus)
- Coiled heavy duty ½ inch diameter Rope (2 coils of 75 foot each)
- Steel tow chain with hooks and bar
- Candles with holders
- 12 volt heater for coffee cup or 12 volt coffee cup with cord
- Tool box:
- Pliers, screwdrivers, wire, side cutters, electrical tape, wrenches
- Box of assorted screws and nuts
- Camp stove and fuel
- Lantern and fuel with extra mantles
- Siphon for gas
- Siphon for water
- Battery box:
- Fill w/extra batteries
- Extra "filled" 5 gallon gas can (sealed-use plastic marine tank that expands)
- Drill, 12 volt battery powered with charger, bits, extra battery pack

Optional Vehicle Items:

- *Jungle hammock
- *Tower safety climbing belt
- *Fire starter (magnesium), magnifying glass, waterproof matches, flint & steel strikers
- *Kindling (store safely)

NOTES On Vehicle Items:

The list should be self-explanatory, but there are other items not mentioned that are of equal importance... Make sure your vehicle is in GOOD working order, has good windshield wipers, and the fuel tank is kept "topped off". If you are going out in ice, snow, and mud conditions, better have "all terrain" type tires on it. An "all terrain" type tire can be bought that is "quiet" riding on the highway, but will give you much better traction on the snow and mud conditions you are likely to face. Of course, if conditions warrant, have chains ready to mount, along with a portable jack and wheel chocks. If you are out in ice and snow conditions, and get "stuck", better have a shovel in your vehicle, as well as heavy blankets to keep you warm... waiting for "rescue"... best not to attempt any vehicle movement if you have to ask yourself "wonder whether I can make it...". Do not exceed your vehicle and skill level... if you do, YOU are the one that will need rescuing" and you will just become another "demand" on the rest of us out there.

Station Materials for Use at Emergency Shelter

8-Hour

- Folding table (adapt-hinge corkboard vertically to it to hold your "lists" and maps)
- Corkboard and push-pins: pin-up your "lists" and maps (Wal-Mart item)
- Folding chair and Pillow
- Clipboard, waterproof plastic back
- Pad (2) 8 ½ x 11 with waterproof cover
- Pencils (4)
- Pencil sharpener (manual)
- ARRL (ARES) Traffic (message) pads and log book
- TOPO maps, road maps, ruler for mileage measurements
- Lists: Repeater station frequencies (book w/waterproof sheets) Copies available from W4CAD for VA, NC, SC e-mail: pierpo@bellsouth.net
- SCRIPTS: ARES/RACES/SKYWARN/NTS (copy off www)
- ARES/RACES personnel names w/call signs
- Red Cross personnel names and titles
- FEMA/EOC personnel names and titles
- Police/HP phone numbers
- Fire Dept phone numbers
- Hospital phone numbers
- EMS phone numbers
- Phone book of affected areas
- Compass w/lanyard around your neck (to orient yourself, antenna, and maps)
- (12 volt) lamp w/cord and alligator clips, extra bulbs (clamps onto table) marine type

Extended Stay

- Pad (2) 8 ½ x 11
- Compass w/lanyard (to orient yourself, antenna, and maps)
- (12 volt) lamp w/cord and alligator clips, extra bulbs (clamps onto table) marine type
- Whistle w/lanyard
- Mechanical alarm clock

Note: Some of the items stored in your vehicle will also be carried into the shelter... Only VHF and UHF radio equipment is listed. HF rigs can also be used.

NOTES On Station Items:

Better take your own comfortable "folding" chair and pillow with you... sitting at your station all day or night MUST be comfortable...

Be sure to take SCRIPTS for emergency use at your station... you may "run the net" for a while and you need to be able to "read" from the SCRIPT. Also, take your frequency list with you in case you need to contact other operators on close by repeaters... or if your repeater goes down, you can look up and switch to another repeater frequency easily.

In a shelter, mount a state road map (on a cork board) in front of your operating position such that you can easily refer to it if needed... it WILL be needed.

GENERAL NOTES

- ✓ BE PREPARED... You should make a concerted effort to "collect" the majority of the items listed and store them in a cool, dry place... perhaps your basement... keep them in one place and be prepared to load them into your vehicle at a moments notice.
- ✓ If you do not have the majority of items listed ... then do NOT go... you will just be "in-the-way" and incapable of helping others, much less yourself.
- ✓ Practice sending and receiving traffic on training nets... that's what it is there for... practice and preparation.
- ✓ If you send or receive EMERGENCY traffic... you MUST log it.
- ✓ Fill up with gas immediately before entering affected areas... keep gas tank "topped off".
- ✓ Keep the people in the shelter "apprised" of "general conditions"... there's nothing worse than a group of sheltered people, already somewhat apprehensive and scared, to become more difficult to deal with when passing health and welfare traffic... when you can "find the time", let them know the "general situation" if asked... its good for you, its good for them, and its good for AMATEUR radio.
- ✓ Each item on this check-off list has been given "plenty of thought", yet there may be additional items you might require (even for an 8 hour shift) See if you can imagine a typical emergency scenario and try to "picture" what your needs would be... add them to this list.
- ✓ Remember that you may not always be assigned to an "inside" shelter... you may be located "outside" in the field with varying weather conditions such as hot, cold, rain, and wind.
- ✓ Go over each item on this list... ask yourself: Under what conditions would I need this item? Is it possible to "go without" this item?

AARC Classified Ads

This list contains FOR SALE or WANT listings for the last 30 days or so. All items must be related to amateur radio and must be surplus to the owners operation (i.e. no dealers or for profit). Price may be listed if desired.

Note: Current month/week sale listings may be found on the **WA4TFZ bulletin board on 145.03 MHz**, the oldest continuous bulletin board in the state of Virginia... You can also find this list plus more on the internet at the WA4TFZ/AARC club page maintained by KD4RVWX at members.aol.com/wa4tfz/aarc. Please note that all small letters must be used for this address.

New ADS may be placed directly to the Editor: 804 990-2659 or via E-mail at k4uvt@yahoo.com.

Please let K4RKA know when items can be deleted from this file. Updated 12/20/99

WANTED: 9600 BAUD TNC 10/28/99	Brad, N7IVV, wants a 9600-baud TNC. Call him at 804 985-1528.
FOR SALE: 2M HANDHELD 12/20/99	Richard, K4EBL, would like to sell an HTX-202 w/speaker mike and other extras. Call Richard at 804 985-6319 if interested.
FOR SALE: KENWOOD HF TRANSCIVER 12/16/99	Jerry, WD4CEN, has for sale a Kenwood TS520 HF transceiver. Call him at 286 2659 if interested.
FOR SALE: 450 HANDHELD 12/2/99	Elmer, KF4UCI, has for sale a Kenwood TK350 commercial grade 450 handheld with CTCSS, quick charger, 1w to 5w. Call 804 970-9521.
WANTED: RADIATION MONITOR 11/4/99	Grayson, KF4FYI, is looking for a radiation monitor, preferably one with a meter and/or probe. Call him at 293-4885.

Hamfests of Some Note

January 16 Richmond, VA	Richmond Amateur Telecommunications Society "FrostFest" E-mail: jim@compudata.net http://frostfest.rats.net
------------------------------------	---

VE Session Schedule - 1999

January 9 Bedford	Judy Friel (804) 525-6142 2 PM (walk-ins; please call)
January 9 Radford	Roger Coulter (540) 639-4846 2 PM (walk-ins please call)
January 13 Galax	David Roberts (540) 773-3906 7 PM (walk-ins please call)
January 16 Roanoke	Terrance Vlugg (540) 890-6782 2 PM (walk-ins please call)
February 13 Bedford	Judy Friel (804) 525-6142 2 PM (walk-ins; please call)
February 20 Roanoke	Terrance Vlugg (540) 890-6782 2 PM (walk-ins please call)

FCC Database Updates

New Calls!

KG4FQW – Betty Vickery	Technician Class
KG4FOK – Lars P. Larsen	Technician Class
KG4FOL – Donna M. Hill	Technician Class
KG4FOM –Lair D. Haugh	Technician Class
KG4FON – David B. Corzilius	Technician Class

Upgrades

AB4G – Gary Beasley	Congratulations on upgrading to Extra Class!
----------------------------	--

Birthdays This Month

Jan 1	KC4TQF	Bill
Jan 2	K4TY	Charles
Jan 6	K4NZ	David
Jan 8	KE4DDR	Don
Jan 8	KF4NOO	Frank
Jan 8	KT4UO	Terry
Jan 17	KA4JJD	Mike
Jan 18	KF4JHB	Noah
Jan 19	KF4UTD	Ed
Jan 25	KD4SOC	Bill
Jan 29	W2BR	Bob
Jan 31	K4MTX	Casey

Albemarle Amateur Radio Club
P.O. Box 6833
Charlottesville, VA 22906
<http://members.aol.com/wa4tfz/aarc/default2.html>



AARC BULLETIN
Vol 2000 No. 1
January 2000

TO CORRECT LABEL INFORMATION CALL PHONE 973-1738: Your License expires... Oct 31, 2004 D Y A
KA4JJD G 1999
Michael F. Rein
109 Sturbridge Rd.
Charlottesville VA 22901
CURRENT MEMBER

DEADLINE FOR EACH ISSUE
The 23rd of each month

Contact Information
Daniel R. (Bob) Dorsey, Jr. K4UVT
PO Box 977
Charlottesville, VA 22902-0977
(804) 990-2659
K4uvt@yahoo.com or bdorsey@cstone.net

Next Club Meeting
~ WINTER DINNER ~
January 9 at 6:00 PM
Old Country Buffet

CLUB MEETINGS and NETS

REGULAR Meeting: Second Tuesday of each month at 7:30 PM
BOARD & TECHNICAL Meetings: First Tuesday of each month at 7:30 PM
Meetings are held at the National Radio Astronomy Observatory (NRAO) building on Edgemont Road (UVA)
LUNCHEON: Wednesdays – Area hams gather at the **Old Country Buffet** (OCB) next to TOYS R US on Rte 29 North from 11 AM – 1 PM
Monday Night Information Net – Each Monday at 7:00 PM
YL Net: First Monday of each month at 8:30 PM
Northern Piedmont Emergency Net / Swap Net / Technical Session: Each Thursday at 8:00 PM
All Nets are held on the 146.760 repeater

WA4TFZ REPEATERS

<u>INPUT/OUTPUT</u>	<u>Tone Access (If needed)</u>
146.160/146.760	88.5 Hz
(If tone is enabled, you can turn the tone off and back on temporarily by:	
Temporary Tone OFF	DTMF 325*
Remove Temporary Tone OFF	DTMF 326*
Time	DTMF 10*
Tone Status of Repeater	DTMF 700*
146.325/146.925	88.5 Hz (if enabled)
223.160/224.760	No Tone
449.250/444.250	151.4 Hz (if enabled)
145.030	MACHO Node
145.030	CHO Packet Bulletin Board

AARC CALENDAR OF EVENTS

<u>DATE</u>	<u>EVENT</u>
January 9	Dinner Meeting at Old Country Buffet
February 8	Meeting
March 14	Meeting
April 11	Meeting
May 9	Meeting
June 13	Meeting

AARC - PUBLIC SERVICE SCHEDULE

<u>DATE</u>	<u>EVENT</u>
TBA	Heart Walk
TBA	Montpelier Horse Races

Please sign up at meetings when the SIGN UP CLIPBOARD is passed around. You can also send an email to Greg (N4FGS) indicating your interest in working particular events.