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☞ ***Next Meeting:  
December 9, 1997 at  
7:30 PM  
NRAO Auditorium  
Edgebrook Road  
(UVa area)***

**It's Time to Renew!**

Joe Fritz, (KD4RWX), Membership Drive Leader

January is Membership Renewal Time. Please read carefully! Albemarle Amateur Radio Club memberships are due to be renewed on January 1st. Please watch for a Membership Renewal Letter about mid-December. I will be including a brief survey for confirming my AARC Database information. Also, I will be eliciting ideas you may have for improving various aspects of our Club's operations, programs, and activities.

As most of you know, the dues for 1998 will be \$20 for a single, Regular membership and still only \$5 additional for adult family members who live in the same house. It would seem that we (the Membership) should strive for a renewed effort to make our great Club an even better organization which better serves the Club members and our Amateur Radio community, too.

To this end, please respond to the mid-December survey when it arrives. I trust you will see the importance of renewing your Membership with the Albemarle Amateur Radio Club and renew your membership as well. As an added incentive, one renewed member's call (adults only) will be randomly selected at the end of January and he/she will receive a paid-up 1999 membership compliments of an anonymous benefactor.

**Ham of the Year**

Want to nominate someone for Ham of the Year, or just want to have a special recognition certificate for someone's special effort this year? Send the nomination / information to Joe Fritz, KD4RWX via:

2306 Williamsburg Road,  
Charlottesville, VA 22901  
Or email .... kd4rwx@aol.com  
or phone ... 804-973-1738

The certificates will be presented at the January Dinner Meeting.

**Winter Dinner**

The *Bulletin* was ready, but the details weren't! Be sure not to miss the meeting on Dec. 9, where you'll get all the information on the upcoming Winter Dinner, set for next month.

Can't make the meeting? Listen to the Monday Net on 146.76 for the latest on the dinner, including the date, cost and location.

**Late Breaking News**

Current plans are for the January dinner/meeting to be held on January 11th, 1998 at Sloan's Restaurant behind Barracks Road Shopping Center. Time: close to 6 p.m. Each order will be taken at the table and each party/table will be responsible for the payment of their own order. Some additional information will be available at the December meeting, on the Monday night net, and in the Membership renewal information - mid-December.



## The President Speaks

What makes an Amateur Radio Club great in the eyes of the community? Its knowing without a shadow of a doubt that you can always count on them, no matter what. What makes an Amateur Radio Club great in the eyes of its members? Its knowing that no matter what area of the hobby you're into, the Club has something going on you can sink your mic (or paddles) into. This past year I have tried to make the name of the AARC more visible to the public we serve. I have also tried to institute some programs that will expand on the services that we offer to our members. The key to making these programs come to pass is the participation of all the Club members.

What is a Radio Club? What does it mean to you? To me, a Radio Club is a Club of Amateur Radio operators who share a common set of goals insofar as service to Amateur Radio and the Community are concerned. You don't need a Club to visit your friends, operate your favorite mode, or to have a meal together. You DO need a Club if you want to make an organized effort to support your Community and the services and organizations within that community that may need your expertise and you DO need a Club if you would like to learn about and try the multitude of different operating methods and modes that you may not be able to do with the equipment you have nor with the equipment your friends have.

So what's the point, Bill? Simply this. When you joined the Club, you had to pay monetary dues. These monies go for things like Newsletter costs, Meeting refreshments, repeater upkeep, the Club Banner, etc. There is another type of dues that, in recent years, has been in the red and, as such, has not allowed the Club to grow, and has limited our involvement within our Community. I am referring, of course, to TIME.

When your Club asked for volunteers, did you keep your hand down? When asked to help, did you say you were 'too busy' or you 'couldn't spare the time'? Did you think about volunteering for another project that might be more in keeping with your schedule, but then decide to say nothing? Now, I want to emphasize that this column is NOT directed at those individuals who do volunteer their time. I salute you folks because you have brought us to where we are today. I am directing this to those folks who pay their monetary dues, but not their TIME dues.

I want everyone to take a look your Board of Directors. Most are still working folks with families and all the same interests as you. Even those folks who are retired are still pretty busy. And yet they volunteer their time a year at a time. If they can do that, surely you can spare a few weeks, or days or even hours! Let's make 1998 the year we pay our FULL (See *PRESIDENT*, p. 3)

## VP CORNER

or

### WELL YOU MAY THINK THIS IS THE END

Did you go to summer camp? If you did, chances are that you sang that old song which started out like this:

"Be kind to your webbed-footed friends  
For a duck may be somebody's brother."

It was sung to the tune of "Stars and Stripes Forever." The last two lines were:

"Well, you may think this is the end.  
"Well it is!"

I was privileged to serve all of you as your Vice-President during 1997. So many of you came forward with suggestions for programs that scheduling them was "a breeze."

What I attempted in this regard was to showcase many of the talented members we have in our midst, rather than bringing in outside "presenters." "Boat Anchor Night" seemed to be a real favorite with many, new hams and older. (sure had to be careful not to say "ancient.")

When I travel around, I listen to repeaters and the net which may be found running on them. It was at Virginia Beach that I heard their wonderfully run Youth Net, so I brought that idea back for our younger hams to try.

Many gals have joined our club. While listening to them on "76," I noticed that they had a flavor, or spice, all their own. Why not offer them their own slot of repeater time for them to just "be themselves" and "let it all hang out." So now we have the YL Net.

I have really enjoyed planning and supporting these two groups. I have continued running the tech portion of the NPEN on Thursdays--something I have done even before my tenure as VP.

As of the end of December, I hand my office to someone else, and I wish him the best of success. He will have his own imprint on AARC.

OK gang! Don't completely write me off. You'll occasionally "see" me here in this newsletter, but I won't have to work with deadlines. You'll see me at meetings. I'm still available to help anybody who asks me for it, and that includes W4SM, our new VP.

"Well, you may think that this is the end."  
Well, not really!

--Joe Giovanelli, W2PVY

## UP-COMING AARC EVENTS

- ▶ In December, well, wouldn't it be nice if your rig had some feature or other which the maker seemed to have left out? I have. There are add-on units which often can perk up the performance of a good rig and make it a great one. Stay tuned for more.
- ▶ January is the first month of 1998, and that means it will be time for our Annual Holiday Dinner. Reserve space on your calendar for that. It's a great way to get to know your fellow AARC-ers better.
- ▶ February, well, I can only guess, but this meeting is usually reserved for public service and ARES information.

-W2PVY

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## Scouts and Amateur Radio

For those of you interested in encouraging the youngsters and who have Internet access, here's a website you might like to check out. ScoutRadio, run by Mel Goldberg, KO6TF, features reports on "Scout Hams" involved in community service and ham-related projects, and gives ideas for local ham clubs to help those area Scouts get their ham licenses. The site has just been remodeled to give it a new and better format. Mel adds, "If your club is currently or willing to help Scouts become hams go to the section about local radio clubs and follow instructions on how to have your club's website link on ScoutRadio WWW." Look for the ScoutRadio webpage at: [www.ocbsa.org/troop319/ham.htm](http://www.ocbsa.org/troop319/ham.htm)

The Girl Scouts also encourage their members in Amateur Radio. As of presstime, the Girl Scout/Amateur Radio link, however, was temporarily offline.

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## DEADLINE for the January issue of *AARC Bulletin* is December 20!

Send your articles to Paul (WB9HGZ) or Eileen (WD9EIA) at: 4300 Sylvan Lane, Charlottesville, 22911 (U.S. mail), or at [wd9eia@super.zippo.com](mailto:wd9eia@super.zippo.com) (email). Packet operators, send via KE4UKX at the club bulletin board and he'll pass it along to us.

*Happy Holidays to all of you from WB9HGZ, WD9EIA, KE4UKX, KE4UKY & KE4UKZ here at the Dean house.*

## Amateur Radio...Alive and Growing in Charlottesville!

Congratulations to the following for their successful achievements.

### New AARC Members or Application Pending

Nick Nichols KF4UTB New AARC Member  
Richard (Dick) Mullikin W4BZW AARC Application Pending

### Sort-Of New Licensees

Matthew Bisgaier KF4TKJ Novice  
Joel Slezak KF4TMD Novice

### New Licensees:

Nick Nichols KF4UTB Technician  
Jeff Howe KF4UTC Technician  
Ed Deasy, Jr. KF4UTD Technician  
Tandem Friends School KF4UPZ...Club Call  
Dave (KD4CTZ) Trustee

### New License Upgrades:

Marty Mait KF4FRO Technician Plus  
Ed Theobald KF4UJW Technician Plus  
Nancy Holliday KF4MEF Technician Plus  
Andy Emert KF4RKQ General

### On Her Way:

Kim Moyers CSCE Novice Theory

--Joe Fritz, KD4RWX

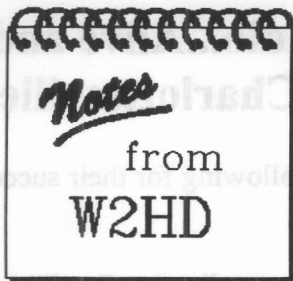
Hey, are you encouraged now to upgrade *your* license class? Remember, the Club has helps available for you! Contact Joe to arrange to borrow the code practice machine or any of the license upgrade videos.

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## PRESIDENT

(from p. 2) dues. When the call for volunteers goes out, raise your hand. If you can't make that project fit your plans, let us know what will work and we'll find a project that will fit. Every little bit helps. I am reminded, on this Veterans Day, of some words uttered by another President. It was true for him in his situation and it is true for us today. To paraphrase President John F. Kennedy .....ask NOT what your Club can do for you, but rather what YOU can do for your Club.

--Bill, KC4TQF



## BORROWED SUGGESTIONS Part 2

This column continues the theme of my last column. However, this part contains remarks from W1SJ's wife, Ronni, KA1NRR and relates particularly to improving repeater operating skills. The first of Ronni's recommendations is to have your audio level correctly set. Different voices have different power levels. Your distance from the microphone is important, too. If someone tells you to back off from the microphone, pay attention. You are probably over-deviating. Set your mike gain properly. Get help if needed.

Next, Ronni says be sure your signal is good. If you're not into the repeater solidly, you may have equipment problems. (W2HD: You may need a better antenna, a better location or more power.)

Ronni continues: Talk in short bursts, not monologues. This is the opposite of HF operation, but is more like normal conversation. (W2HD: Monologues on HF, while not timing out a repeater, are a problem under certain propagation conditions where both the transmitting and receiving stations are not being heard at your location and you can't tell if a frequency is busy.) Ronni says that this also gives others the opportunity to break in to report an emergency or simply to join in the conversation. For this reason, repeaters have time-outs (W2HD: Ours is 2 minutes.) If you can't fit your conversation within a, say 90 second time-out, you probably have too much to say. On the other hand, if you have nothing to say, don't say anything.

Just as on HF, if conditions are poor, speak more slowly and enunciate more clearly. People who normally speak fast, should remember to slow down, even on FM radio. Put an extension speaker on your radio so that you can hear better. Speaker-mikes are not always good.

Let's look at some things you should do and shouldn't do. Don't over-identify. Have you heard operators give their call sign on every transmission? What a waste of air time! You need to ID only every ten minutes and at the last transmission. Have you heard "W8XXX for ID?" We know he is sending his call to identify, so why say so? Even worse: "For identification, this is ..." We used to be

required to say who we are talking to, but no more. And, we'll hear some saying "in the group." Why waste this time.

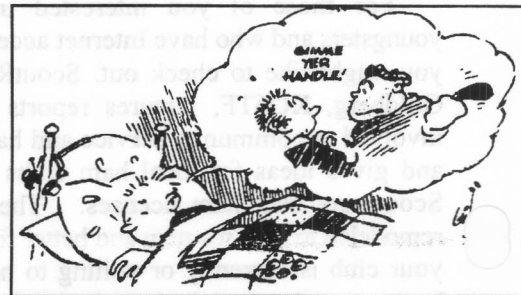
Ronni asked the group at Dayton if they had ever heard someone say something funny and then say, "hi hi?" If it's funny, just laugh naturally. "Hi hi" was designed to be used on CW to state laughter, not to be used anywhere else. We hear "on the side." What does this mean? Standing by? Monitoring? Sounds like an order in a restaurant.

How about 73s, best 73s or seventy-thirds. We all know that 73 stands for "best regards." That makes these mean best regards's; best best regards and 70/3 or 23-1/3.

Ronni then asks, what do these have to do with Amateur Radio? How about "negative" or "negatory?" Why not say "no?" For affirmative why not just say "yes?" How about

"land line" or "twisted pair" when referring to the telephone? Some say "the first personal is" or "the handle is." Why not say "my name is?" Then, there's the statement,

"I'm destinated" when you've reached your destination. We have operators alone in their car or radio shack who say "we." I like to ask them if they have a mouse in their pocket. If you are alone, just say "I."



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Finally, Ronni asks, "How about the use of "Q" signals on the repeater?" They were designed to be a shorthand on CW. The bottom line is that we should use English only on the repeater.

Well, folks that's another person's view of our hobby and how we operate on the air. You don't have to agree with a little, all, or any of what Mitch and Ronni have said. However, they make points which might well be worth considering. I wish I had heard the actual presentation at Dayton, but there is just too much to see and hear there each year.

I'll be back next issue with original W2HD remarks.

73... /s/ Harry, W2HD

# CLUB BUSINESS



## AARC Board Meeting Date: November 4, 1997

No Official (motions) business was conducted. Some topics discussed were:

- ▶ Additional work is being scheduled for the 146.760 repeater site for the next two weekends.
- ▶ Soon a new antenna configuration will be made at the local Red Cross building. Mention was made that Louisa County is in need for a similar type emergency antenna installation. Ham in that area need to begin discussions with the local authorities concerning this issue.
- ▶ Work and evaluation continues on the interference to the .76 repeater.
- ▶ Some future proposals concerning continuing education of area Hams was discussed. More on this issue later.

## AARC Regular Meeting Minutes

Date: November 11, 1997

Bill (KC4TQF) opened the meeting with a statement concerning the reasons for Veterans Day. The statement was very well worded. When those present identified themselves they also mentioned the branch of service they served in, if they had served.

The Minutes for September and October were approved.

Any yet unsubmitted Committee reports are due to be sent to Joe (KD4RWX) by the end of this month.

Brian (KF4FRP) briefly mentioned the Youth Net is back in action on the 147.075 repeater. If you are not old enough to vote - check in!

The YL Net is now on Monday night - I think! [editor's note: yep, it's Monday at 8:30 pm, on 146.76, and all YLs are encouraged to check in.]

Nick Nickols (no Call) was voted in as a new member. It was proposed that no dues be assessed for this year

since he will have to pay \$20 dues in January. Motion passed. [After-meeting NOTE: Nick was assigned the call KF4UTB on November 19th.]

Brian (KF4FRP) mentioned that there will be an ARES/RACES Training Session at John Tyler Community College in Chester, VA. Talk-in on 147.360

The program was presented by Greg (N4PGS). The topic was APRS. The slide/talk presentation was very nice.

Meeting adjourned. 8:45

Submitted by Joe (KD4RWX), Secretary of the AARC

## AARC TREASURER'S REPORT

NOVEMBER 1997

INCOME	
Directory Sales	2.00
Donations:	
Packet	5.00
Repeater	95.00
Surplus	211.00
Total Donations	311.00
Dues	1100.00
QST Renewal	8.00
Raffle	207.00
<b>Total Income</b>	<b>1628.00</b>

EXPENSES	
Club Banner	214.23
Refreshments	338.95
Corp Fee	25.00
Winter Dinner	31.00
Equipment	408.30
Insurance	149.31
Pager Service	225.60
Postage, publication	1213.67
Recreation	50.00
Subscriptions(SERA)	20.00
Telephone	373.47
Textbooks	118.75
<b>Total Expenses</b>	<b>3168.28</b>
<b>Total Income/Expense</b>	<b>-1540.28</b>
<b>Balance Forward</b>	<b>4067.82</b>
<b>Overall Total</b>	<b>2527.54</b>

--Sharon Duval, KO4OC, AARC Treasurer



## CLASSIFIED COLUMN

To list an item in this section that is NOT on the WA4TFZ packet bulletin board, contact WB9HGZ or WD9EIA.

**FOR SALE: AMSAT DISK (10/16/97)** I have a copy of Amsats Insatrac that I would like to sell for \$25 bucks. It includes the original manual and disk. Works great on any pc even 8088, assuming you have a coprocessor. Can demo. Call Mike, AC4ZQ, at 978-7342.

**FOR SALE: DESK JET PRINTER (10/16/97)** KF4LEI, George, from Culpepper, has an HP Desk Jet printer for sale. Telephone number is 540-547 3267.

**FOR SALE: Kenwood rigs (10/16/97)** From Joe, W2PVY (804)-589-1495. Kenwood TH-2500 (2-meters) and TH-3500 (450) with speaker mike for each unit. Batteries, including "large" battery and extra regular battery plus wall charger and manuals. All for \$200.00

**FOR TRADE: 220 & DUAL BAND RADIOS (10/16/97)** Jim, K2RHR, wants to trade a 220 mobile rig (IC-38) with Larsen antenna for a 2-meter mobile. He didn't know whether he had a microphone or manual. He also has an ICOM 3200A (dual-band) mobile 5/35 watts. Call 804-823-1884.

**FOR GETTING RID OF: 19 INCH RACK (11/6/97)** Joe, W2PVY, wants to get rid of a 19 inch relay rack. 17 inches deep and 6 feet tall. Complete with a dead tape recorder and some outlets. Call Joe at 804 589-1495.

**FOR SALE: YASAU FT767GX (11/6/97)** It's hard to believe, but Rick, KO4WQ, wants to sell a FT767GX cat system (includes computer interface) all mode system which includes 6m 2m 450Mhz and full hf capability. Included is a Mosely TA-33 jr triband hf antenna, 11 element 2m antenna, a 6m hula hoop, microphone and manual. Call him at 804 823-1128

**NOTICE: KF4FRP** is putting this sale listing on his WEB page...

find him at <http://members.aol.com/kf4frp>  
I would be interested in a message from anyone who finds the message there and any comments you have.

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**The AARC PBBS is at a new location sw of C'ville. Please try it and send AD4AD a message letting him know about the signal strength..**



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## SKYWARN Classes Meet Soon

SKYWARN is a national network of volunteer severe weather spotters. The spotters are trained by local National Weather Service offices on how to spot severe thunderstorms, tornadoes, hail and flooding, and snowfall and ice accumulation. Two-thirds of SKYWARN volunteers are Amateur Radio operators.

**BASICS I** - 3-hour class covers the basics of how SKYWARN and the National Weather Service operate, what you need to report and how, and how to spot severe thunderstorms and tornadoes. Basic I is a required prerequisite for Basics II and Winter Storm Classes. Next session: Wednesday, December 3rd from 7:00 pm to 10:00 pm in Annapolis, MD. Call 410-222-8040 to register.

**BASICS II** - optional 2 1/2 hour sequel to the Basics I class reviews the basic spotting techniques and covers more information about thunderstorms and Doppler radar. Next session: Tuesday, December 2nd from 7:00 pm to 9:00 pm. Call 703-260-0107 to register.

**WINTER STORM** - optional 2 1/2 hour class focusing on the Mid-Atlantic snow storms and nor'easters. Next session: Saturday, December 6th from 2:00 pm to 4:00 pm at the NWS in Sterling. Call 703-260-0107 to register.

You can also register for classes at this email address: [Melody.Hall@NOAA.Gov](mailto:Melody.Hall@NOAA.Gov) To register, give your name, SKYWARN ID (if you have one) or county and state that you are from, and a daytime phone number that you can be reached at in case the class must be canceled.

## *From The ARRL Executive Vice President*

Dear ARRL Member:

Remember how things looked this time last year? Things looked bleak for Amateur Radio.

For the first time ever, we faced a threat to two meters -- our most popular frequency band. Low-capacity, low-Earth orbit satellites (Little LEOs) were but one of a host of serious challenges to our radio spectrum.

Mounting a strong defense would not be easy. Sunspot numbers were at rock-bottom, giving amateurs less reason to get on the air and more reason to devote their time and money to other pursuits. While the year still had a few months to go, it was already clear that during 1996 the League was going to spend more for the protection, promotion, and advancement of Amateur Radio than it would take in.

When QST advertising drops off, we can print fewer pages. When we sell fewer ARRL publications, we can tighten our belts until sales pick up. But there's one thing we can never afford to do: We can never afford to do less than what is necessary to protect the future of Amateur Radio. In Washington, Geneva, and other places, decisions are being made that will affect us five or ten years from now. We can't wait for the sunspots to return before mounting our defense; tomorrow is too late.

Last year we knew that the agenda for the 1997 World Radiocommunication Conference (WRC-97) included items such as the Little LEO allocations that could pose significant threats to Amateur Radio. The time to address those threats was during the national preparations for the conference, in 1996 and early 1997. The funds had to be there to do what needed doing.

So, last September I wrote to every ARRL member. I outlined the spectrum challenges we faced and asked for a voluntary contribution to the Fund for the Defense of Amateur Radio Frequencies. League members responded generously. More than 11,000 members contributed more than \$400,000 to the Fund, ensuring that the work of preparing for WRC-97 could go forward. If you were a contributor then, please allow me to thank you again for your encouragement and support. You made a difference!

Now it's a year later. WRC-97 begins in Geneva on October 27. Thanks to this support and the work that it made possible, things are looking brighter. A few sunspots are even beginning to show up (not that we're taking credit for them)!

Last year's contributions to the Fund for the Defense of Amateur Radio Frequencies meant that we could pursue an aggressive defense of your interests as the United States proposals for WRC-97 were developed. The ARRL team in Washington was expanded, and has been working hard for you. As a result, preliminary U.S. WRC-97

proposals for additional allocations for Little LEOs do not affect Amateur Radio in any way. There's still an outside chance that such a proposal might surface at WRC-97, but representatives of the ARRL and the International Amateur Radio Union (IARU) will be in Geneva to guard against any last-minute assaults.

Little LEOs aren't the only issue facing us at WRC-97. There are some proposals to make greater use of our shared bands at 430 and 1240 MHz for scientific research. Who will make sure the needs of the Amateur and Amateur-Satellite Services are kept in mind? The agenda for the 1999 conference, will be finalized at WRC-97, and may include a realignment of the 40 meter band to eliminate the overlap between amateurs and broadcasters. Who will see to it that the WRC-99 agenda gives us the best possible shot at improving our 40-meter allocation? Two questions with the same answer: the ARRL and the IARU. Thanks to the Fund for the Defense of Amateur Radio Frequencies, the money is in the bank to ensure good representation for Amateur Radio at WRC-97.

But there won't be much left over -- and the story does not end with WRC-97. If the Little LEOs don't get what they want this year, they'll be back at the trough in 1999. Winning an adequate worldwide 40-meter allocation will be a difficult challenge; we face powerful government and broadcasting interests. Pressure on our microwave bands is bound to increase. No doubt there will be new threats surfacing at WRC-99 that we can't even imagine today.

That is why I am writing to you today, to ask you to help us replenish the Fund for the Defense of Amateur Radio Frequencies in anticipation of WRC-99. Just as preparations for WRC-97 began in 1996, our work for WRC-99 must begin early next year.

Thanks to cost-cutting, a dues increase, and some improvement in publication sales, the League's finances are in better shape today than they were a year ago. We expect to end 1997 with a small surplus instead of a large deficit. Even so, the budget for 1998 is going to be extremely tight. Once again, we're counting on your support of the Fund to ensure that Amateur Radio continues to have a strong voice in Washington and Geneva in the months to come.

Please be as generous as you can. The access to the radio spectrum that we enjoy is a priceless national and international resource. If we lose it, we lose it forever.

73,  
Sincerely,

David Sumner, K1ZZ  
Executive Vice President

## WRC-97 Results

The 1997 World Radiocommunication Conference concluded its talks in the early morning hours of November 21 in Geneva, Switzerland. Amateur Radio survived WRC-97 largely unscathed, but the stage has been set for renewed spectrum battles at WRC-99.

The Little LEOs (non-voice, non-geostationary mobile satellite interests)--which put a huge scare into the ham radio community in 1996 with their proposals to share ham radio VHF and UHF bands--were unable to muster much support for new allocations at WRC-97. However, they came away with up to 3 MHz of additional spectrum on a regional basis, in the bands between 454 and 460 MHz. The Little LEOs also got a resolution calling for urgent studies in preparation for WRC-99--what some at the conference called "a hunting license" for additional VHF/UHF spectrum. A second issue that will recur at WRC-99 is finding a place in the 420-470 MHz frequency range for the Earth Exploration Satellite Service (EESS). Synthetic aperture radars (SARs) using frequencies in this range are said to be capable of penetrating the rain forest for mapping purposes.

Two significant ham radio-related issues failed to make the cut for consideration at WRC-99. For budgetary reasons, the WRC-97 delegates had to limit the WRC-99 agenda only to the most urgent issues. Pushed back to the tentative agenda for WRC-2001 were the possible realignment of the 40 meter band to resolve a conflict between hams and broadcasters in part of the band (along with possible expansion of broadcasting bands between 4 and 10 MHz), and Article S25 of the international radio regulations. Article S25 contains the international regulations specific to the Amateur and Amateur-Satellite Services, including the Morse code requirement for operation below 30 MHz.

WRC-97 delegates approved a resolution encouraging administrations to facilitate the use of ham radio and other "decentralized means of communications" for disaster mitigation and relief operations. This resolution eliminated the need for Resolution 640, which defined how certain ham bands could be used for international disaster communications by non-amateur stations, so Resolution 640 was suppressed.

WRC-97 delegates did agree to upgrade the Earth

Exploration Satellite Service from secondary to primary at 1215 to 1300 MHz, which should have only minimal impact on amateur use of 1240-1300 MHz. The presence of EESS there also reduces the possibility that other less-compatible services might later be introduced into this band.

In other allocations decisions, amateur satellite segments were not included among allocations for wind profiler radars. Except for a worldwide primary allocation at 1270 to 1295 MHz, the only specific allocations for wind profiler radars are in Region 1, and those are on a secondary basis. Region 2 administrations were urged to implement wind profilers in radiolocation bands at 440 to 450 MHz, 904 to 928 MHz (protecting the lower, weak-signal segment), 1270 to 1295 MHz (protecting amateur satellite and weak-signal), and 1300 to 1375 MHz. The delegates agreed that the bands 420 to 435 MHz or 438 to 440 MHz could be considered for use in situations where there was incompatibility between wind profiler radars and other radio applications at 440 to 450 MHz or 470 to 494 MHz (only in some Region 1 countries). In this case, too, the amateur-satellite segment is protected.

Several Region 1 (primarily European) countries deleted footnoted exceptions to the international table of allocations in the 1810 to 1830 kHz range, expanding the usability of 16 meters for ham radio. North Korea was persuaded to drop its bid for footnoted exceptions to the allocations table that could have affected some ham radio bands in that part of the world.

Amateur Radio was represented at WRC-97 by a multinational team of International Amateur Radio Union officials, including Secretary Larry Price, W4RA, Vice President Michael Owen, VK3KI, and Region 1 Vice Chairman Wojciech Nietyksza, SP5FM. They were assisted for a time by Tafa Diop, 6W1KI, and Eduardo Estrada, HC2EE, who are members of their respective regional executive committees. Numerous radio amateurs attended the conference in official capacities on behalf of their national administrations, including ARRL Technical Relations Manager Paul Rinaldo, W4RI, who served on the US delegation.

In all, 1801 delegates from 142 countries registered at the conference. Another 141 observers from regional and international organizations also attended.

*From the ARRL Letter Online Vol. 16, No. 46*

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**The Little LEOs also got a resolution calling for urgent studies in preparation for WRC-99--what some at the conference called "a hunting license" for additional VHF/UHF spectrum.**

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## AMATEUR RADIO EXAM DATES FOR VIRGINIA

12/06/97 (ARRL) Culpeper. John T Berry AF4CY 540-543-2580  
 12/06/97 (ARRL) Gate City. Walt M Sickmen KT4PI 540-452-2363  
 12/07/97 (ARRL) Lynchburg. Charles L Beard AD4ST 804-832-7651  
 12/10/97 (W5YI) South Boston. Charles D Lowery 804-572-1581  
 12/11/97 (ARRL) Galax. Joseph Kolb 540-766-3121  
 12/13/97 (ARRL) Harrisonburg. Brown Snyder N4ZHV 703-434-3133  
 12/13/97 (ARRL) Richmond. Pat Wilson N5PW 804-932-9424  
 01/11/98 (ARRL) Dublin. Roger L Coulter KT4HV 540-639-4846  
 01/11/98 (ARRL) Middletown. Gregory W Lanham KU4AN 540-722-4792

*Remember, if you are interested in taking an Amateur Radio exam at any of these sites, CALL AHEAD for information. Not all test sites accept walk-in registrations.*

## AREA HAMFESTS

**January 18** Richmond Amateur Telecommunications Society, Richmond, VA.

Contact: Tod or Amy McCoy  
 PO Box 35021, Richmond, VA 23235  
 804-330-3165 or 804-739-2269 (Box FEST)  
 E-mail: frostfest@rats.net  
 http://frostfest.rats.net


**January 25** Maryland Mobileers ARC, Odenton, MD

Contact: Bill Ziegler, KA6TYT  
 1307 Ashburton Dr., Millersville, MD 21108  
 410-987-2384  
 E-mail: ka6tyt@juno.com

**February 22** Plateau ARA, Fayetteville, WV

Contact: Richard M. Roy, KB8SMC  
 PO Box 96, Fayetteville, WV 25840  
 304-469-3292 or 304-465-1911

## DECEMBER 1997

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<i>Watch your mailbox for your AARC membership renewal form!</i>	<b>1</b> INFO-NET 7 PM 220 Net 8:00 PM Youth Net 8:30PM YL Net 8:30 ☺KE4AEK	<b>2</b> Board & Technical Meeting 7:30PM	<b>3</b> Lunch (11-1) Old Country Buffet ☺K3RWH	<b>4</b> ARES Net 8:00PM	<b>5</b>	<b>6</b> 6-mNet 8AM 50.200 ☺KD4LSU
<b>7</b> ☺KE4ULA	<b>8</b> INFONET 7PM 220 Net 8:00 PM YOUTHNET 8:30PM YL Net 8:30	<b>9</b> AARC MEETING 7:30 PM	<b>10</b> Lunch (11-1) Old Country Buffet ☺N2XUN	<b>11</b> ARES Net 8:00PM ☺AF4FE ☺AF4DV	<b>12</b> ☺KC4ZZP	<b>13</b> 6-mNet 8AM 50.200 ☺KF4JNB
<b>14</b> ☺AE4OW	<b>15</b> ☺N5PW INFO-NET 7 PM 220 Net 8:00 PM YOUTHNET 8:30PM YL NET 8:30	<b>16</b>	<b>17</b> Lunch (11-1) Old Country Buffet	<b>18</b> ARES Net 8:00PM	<b>19</b> ☺K4DU	<b>20</b> 6-mNet 8AM 50.200
<b>21</b>	<b>22</b> INFO-NET 7 PM 220 Net 8:00 PM YOUTHNET 8:30PM YL NET 8:30PM	<b>23</b> ☺W3KDR	<b>24</b> Lunch (11-1) Old Country Buffet  <i>Happy Hanukkah</i>	<b>25</b> ARES Net 8:00PM  <i>Merry Christmas</i> 	<b>26</b>  <i>Happy Kwanzaa</i>	<b>27</b> 6-mNet 8AM 50.200 ☺N8YYO ☺KT0P
<b>28</b>	<b>29</b> INFO-NET 7 PM 220 Net 8:00 PM YOUTHNET 8:30PM YL NET 8:30PM	<b>30</b>	<b>31</b> Lunch (11-1) Old Country Buffet ☺WG4T ☺WB3DZC	<b>January 1</b> ARES Net 8:00PM  <i>Happy New Year!</i>	☺ <i>Congratulations to the December birthday hams.</i>	

**1997 ALBEMARLE AMATEUR RADIO CLUB**

**OFFICERS AND BOARD MEMBERS**

President	Bill Bearden	KC4TQF
Vice-President	Joe Giovanelli	W2PVY
Treasurer	Sharon Duvall	KO4OC
Secretary	Joe Fritz	KD4RWX
Directors:	Rick Berman	KO4WQ
	Dave Damon	KE4YLR
	Hein Hvatum	N4FWA
	Bob Pattison	K4DU
	Jessie Preston	KE4OID

**COMMITTEE LEADERS**

	<u>Committee Chairman</u>	<u>Director</u>
Activities	Hein Hvatum N4FWA	Dave Damon KE4YLR
Education	Ken Johnson WA4GHY	Bill Beardon KC4TQF
Fundraising	E.J. Bearden KD4IGX	Sharon Duvall KO4OC
Publications	Joe Fritz KD4RWX	Joe Fritz KD4RWX
Public Relations	Janie Narducci KF4NOQ	Joe Giovanelli W2PVY
		Rick Berman KO4WQ
Technical	Mike Duvall AC4ZQ	Hein Hvatum N4FWA
Youth	Noah Hillstrom, KF4JHB	Jessie Preston KE4OID

**OTHER POSITIONS**

ARRL Liaison	Bob Pattison	K4DU
ARES/RACES Coord.	Dave Damon	KE4YLR
ARRL VE Coordinator	John Gray	W6UZ
Trustee (WA4TFZ)	Morris Jones	NM4R
Newsletter Editors	Paul Dean	WB9HGZ
	Eileen Dean	WD9EIA

**CLUB MEETINGS**

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, Edgemont Road (UVa area)

**WA4TFZ REPEATERS**

<u>INPUT/OUTPUT</u>	<u>TONE ACCESS</u>
146.160/146.760	88.5 (if enabled, DTMF 325* will produce temporary Tone off and 326* will turn Tone back on)
Door alarm OFF.....	DTMF 100*
Emergency Autopatch to access 911 Center.....	DTMF 911*
Emergency Autopatch to access VA State Police.....	DTMF 918*
Autopatch exit.....	DTMF 0*
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 WA4TFZ Packet Bulletin Board

**NETS**

<b>Northern Piedmont</b>	<b>Information Net</b>
<b>Emergency Net</b>	146.76 repeater
146.76 repeater	Thursday 8:00 p.m.
Plus Swap/Trade & Technical Sessions	Monday 7:00 p.m.
Net Control: Morris, NM4R	Newsline program & general news
	Net Control: Harry, W2HD

Albemarle Amateur Radio Club  
 P.O. Box 6833  
 Charlottesville, VA 22906



**AARC BULLETIN DECEMBER 1997**

TO CORRECT LABEL INFORMATION CALL PHONE 973-1738: Your License expires.. Oct 31, 2004 D Y A  
 KA4JJD G 1997 CURRENT MEMBER

Michael F. Rein  
 109 Sturbridge Rd.  
 Charlottesville VA 22901