



HAM HUM



Volume LIII, Issue 4

April 2003

Special Points of Interest:

- Ham Babble
- Public Safety Awareness Expo
- Field Day Clothing
- Emer Communications Natl Training
- Next Club Meeting - April 11 — 730pm Red Cross

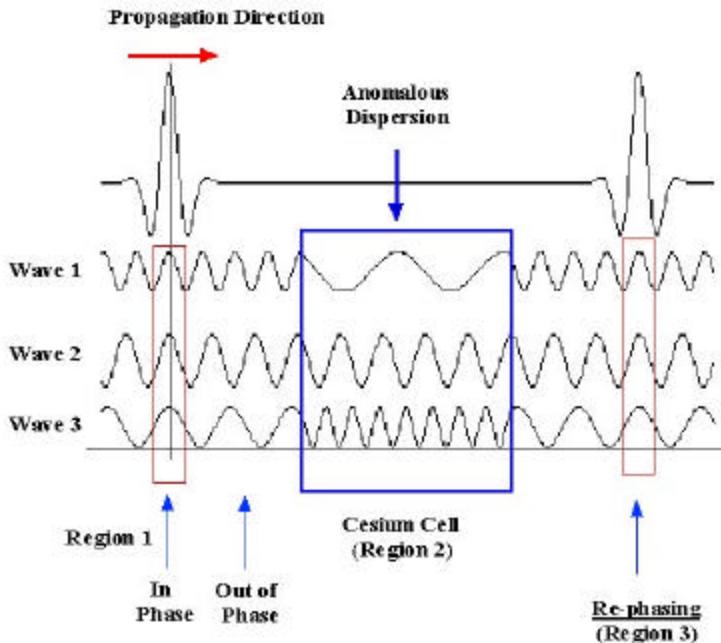
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QSO's to Yesteryear?

With all the news these past weeks focused on the war in Iraq you may have missed hearing about a startling development in the field of Quantum Communications. In consistently repeatable experiments, physicists have broken the speed of light limit for radio wave propagation while retaining at least half of the component frequency information stored in the original radio wave.

Their basic research conceivably holds implications for information transfer, raising the tantalizing prospect of faster-than-light (FTL) transfer of information and data. Picture receiving a radio transmission



(Continued on page 3)

HAM HUM is the official newsletter of the AK-SAR-BEN Amateur Radio Club, Inc. in Omaha, Nebraska. It is printed monthly and is distributed to members of the club, local disaster officials, local electronics outlets, and editors of other ham radio newsletters.

Articles about activities of members are solicited. The subject matter must be of general interest to radio amateurs and be understandable to a significant portion of the membership. No payment will be made to contributors and submissions will be subject to the usual editorial review. Articles containing statements that could be construed as libel or slander will not be accepted. No guarantee can be made that an accepted article will be published by a certain date. Send your contributions to Ham Hum, P.O. Box 540304, Omaha, NE 68154 or email to Linda Newman at wOnsa@arrrl.net. Please contact the editor for

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QSO's to Yesteryear? (cont.)

(Continued from page 1)

before it was actually sent (imagine getting a signal report before you even begin to transmit).

The physicists who performed the radio experiment, known as Gain Assisted Superluminal Propagation, use more precise terminology than "FTL Communication" to describe their work. Mia Hamm, Mike Raffone, and Dr. Ann Tienna at the NEC Research Institute in Princeton, N.J., put it this way: "... the net effect can be viewed as, the time it takes a radio wave to traverse through a specially prepared atomic medium is a negative one." In other words, the experimenters said they actually made a radio wave leave the transfer medium before it fully entered it.

But can Superluminal Radio Propagation send information back in time? Possibly. In theory, the new experiments do allow for the transmission of radio carried information backward in time. Armed with this technology it would be possible for you to send instructions back in time to your younger self, possibly creating classical paradoxes such as would happen if you killed your own ancestor, thus preventing your own existence.

Dr. Tienna explains, "Since electromagnetic energy can be viewed as waves with no mass, they aren't limited by their speed inside a vacuum." Investigators excite a plasma of cesium atoms to a special gaseous state that resonates with radio frequencies and push radio waves through the gas. The cesium atoms take on the role of "center conductor" in a coaxial cable. Electromagnetic energy there interacts with matter at quantum levels in a manner analogous to spectrum scattering through a prism, and it reforms at the opposite end of the test cable at virtually the instant the tip of the wave touches the cable entry.

Although Gain Assisted Superluminal Propagation has cleared the hurdle of proof, as-yet-unproven investigations of pulsars from British researchers indicates Superluminal Propagation may actually occur in nature, potentially producing coherent radio waves in terahertz ranges.

In addition to impacts at the macro level, Gain-assisted superluminal electromechanical propagation conceivably could greatly speed signaling in electronic circuits. Maybe "greatly" understates the gain. This important development could also be the catalyst for long-distance, real-time holographic communications – say good by to slow-scan TV.

Coherent FTL terahertz radio signals could give Hams access to bandwidth thousands of times greater than today's devices, making wireless real-time video -- or even holographic projections - - commonplace. No matter where this brave new technology takes us you can be certain that Amateur's will be in it up to our elbows!

Bill Newman, KØNSA

Prez Sez



April is here already, and along with it come the showers (note: NOT thunderstorms please) and flowers. The budget is in this issue all ready to be presented to the membership. Please take a few minutes to look it over and come to the meeting on the 11th to voice your opinion.

This budget also includes a capitol expense for the upgrading of our repeater. This project is not going to be an “overnight and it’s done” project, but will take several years, with the initial phase being the purchase of a repeater to replace the 20+ year old Spec-Com unit currently at the WOWT studio on Farnam street. The follow up portion of the project will be the “voting” of several remote receivers scattered across the metro which will allow our repeater

to “hear” even the weakest signal out there.

With all that is going on in the world today, keep abreast of the news. Like the Boy Scouts we in amateur radio need to be prepared. Volunteer to assist at the State Track Meet - a bicycle ride - or any other event that Pat (KØCTU—ex NØHPP) has lined up. BUT more importantly have fun.

Come to the 2nd Annual Ants Aren't the Only Critters With Antennas all-amateur picnic. It will again be held at the Mahony State Park outside of Ashland Nebraska. The cost to amateurs is only \$4.00/person and a side dish.. This fun filled event will be held on Saturday the 24th of May and will start about 1100hrs (local time that is) and will go until the last of the dogs and burgers are gone. (or the park closes . . . which ever comes first).

I found a new definition of indecision the other day. It seems that there was an accident where a semi-tractor trailer rig turned over spilling the load of M&M's across the street from a grade school. The indecision on the part of the officer was . . . ready for this . . . weather to call a front end loader and tow truck to clean up the mess or . . . here it comes . . . just call the tow truck and let the school children clean up the M&M's . . . (true story - happened it Texas several years ago)

Stay safe out there and remember . . . no one is listening until you make a mistake!

73's, Jim KAØKCV
Thanks Frank!

2003 Budget

Corporate Registration \$20.00
Corporate Liability Ins \$450.00
Trailer Registration \$28.50
Safe Deposit Box \$30.00
Post Office Box \$45.00
Post Office Bulk Permit \$125.00
Postage Stamps \$37.00
Postage for Hum \$1,450.00
Repeater Upgrade \$3,000.00
Equipment \$300.00

Courtesy \$100.00
Disaster Preparedness \$500.00
Education \$100.00
Field Day \$900.00
Membership \$200.00
Programs \$50.00
Public Relations \$300.00
Printing for Hum \$1650.00
QSL \$50.00

Veep Speaks



This may be a familiar story to many of you. A lot of Hams I have known have a similarly sordid history. I have a confession. I am a junkie. My recreational drug of choice is technology. This addiction goes back a long way, probably starting with an Erector Set I got for Christmas when I was about 5 years old. I remember taking a lawnmower engine apart when I was 12 to see why it wouldn't run. I never did find out why and it never did run again. Any kind of gadget will grab my interest. The longer the learning curve, the more buttons and switches, the more pages per language in the owner's manual, the more distracted I get.

Like any addiction, it can interfere with daily living. I recently bought a digital camera and then picked up Claudia to take her to dinner. Fortunately, or unfortunately, she is just as addicted as I am. Instead of arguing about me playing with the camera during dinner, we argued over who got to play with the camera and who got to read the owners manual. She won. And like any addiction, if carried to extremes, it can devastate the family finances. The "Gotta have it" urge, if not controlled, can eat away at rent money and the grocery budget, bloat the credit cards and eventually destroy your credit.

Many junkies resort to dealing to support their habit. Claudia and I were both able to secure careers in technology to support ours. Our careers are legal and our habits, though addictive, are not unhealthy. Also, this character flaw, as some might call it, led me to Amateur Radio and the fellowship and opportunity for service that it makes possible. An addiction, yes, but not at all a bad one.

73 de Dick Jones N6KVA

Volunteers Still Needed

The National Multiple Sclerosis Society Walk in our area will be on Sunday, April 27th starting at Rowher Elementary at 177th & FStreet. The walkers will take a tour around Lake Zorinsky and back. Anyone wishing to help with the walk contact Pat Joseph, NØHPP at n0hpp@ar1.net, or call him 146.94 any time in the evening.

Celebrate Cycling, the Nation Multiple Sclerosis Society bike ride, will be held on Sunday, May 4th starting at Waterloo High School, with 13, 35 and 55 mile routes. Help is needed so contact Doug Eubanks, KAØO at ka0o@ar1.net if you can assist.

The MS-150 Ultimate Bike Tour will be held Sat-Sun, July 12-13 this year and goes from Wahoo to Seward, NE and back. Each day riders can pedal 45, 75 or 100 miles with overnight lodging at Concordia University. For more information or to volunteer for this event, contact Doug Eubanks, KAØO at ka0o@ar1.net.

The Nebraska State High School State Track Meet will be Fri-Sat, May 23 -24. This will be after the Dayton Hamvention. Volunteers will be needed to run communication between the officials on the track and field events and the officials in the announcement booth. Anyone wanting to help out with this even should talk to Pat Joseph, NØHPP at n0hpp@ar1.net or call him on 146.94 any time during the evening.

Public Safety Awareness Expo



We had a prime location, right in the center of the mall between the escalators. It was a PR persons dream!

The Ham Radio display was a popular stop for many shoppers at the Annual Public Safety Awareness Expo that was held at Crossroads Mall on Saturday, March 15th. AARC and ARES Volunteers introduced a number of interested public to the hobby, highlighting the use of Amateur Radio in Public Service for Disaster Preparedness and Weather Spotting. Among the other Emergency vehicles in the building was an example of an ARES weather spotter vehicle, complete with radios, GPS, watchpoint maps, flashing light, and APRS with keyboard interface.

Demonstrations were given on HF, Slow Scan TV, and APRS, and a large amount of literature was also handed out, ranging from What is Ham Radio, and standard ARRL brochures, along with many "specialized" brochures on the club, ARES, and Skywarn.

An interview was conducted by Channel 3, Jim Shukel, and aired that night on the 10pm news, with a followup story the week of March 24th on putting Ham Radios into the area hospitals for Disaster Communications.

Thanks goes to Judy Johns of the Omaha Police Departments Community Resource center, based at Crossroads, who is allowing us to keep brochures on hand there around the year on Ham Radio. We have already received calls from people interested in getting their license and assisting with Homeland Security.

This was a great opportunity to get Ham Radio out there as a hobby that has something to give to the community. The more often we can do this the better our relations all the way around with the public. Come to the SAC Museum on April 6th and see us do it again!



On camera, Pat, NØHPP demonstrates HF to Mitch, KCØMXV while Jim from Channel 3 interviews Bill, KØNSA.

Public Safety Awareness Expo (cont.)



The ARES vehicle belonged to Linda, WØNSA.



The booth was in a very central location, right in the middle of the mall.



Kids delighted in hearing their name "spoken" by the APRS Genie.



Pat, NØHPP works a Virginia QSO Contest on HF.



Bill, KØNSA explains how APRS works to an interested party.

Ham Babble...making sense of what's said on the bands

Taken in part from Peter Parker VK3YE - first appeared in Amateur Radio, October 2000

By and large, amateurs are an articulate, well-spoken and intelligent lot. However when tuning the bands, one sometimes hears some strange contortions of the English language. This twisted terminology perplexes the newcomer and grates on the ears of the experienced operator. Neither necessary to explain a technical concept nor useful to express a new thought, insight or observation, there are various terms and expressions unique to radio amateurs. Their inappropriate use makes amateurs sound strange to the uninitiated and hinder clear communication. If you've just got on the air, read this article and avoid the phrases listed unless you really mean them. If you count yourself as one of the uninitiated, treat this list as a guide to understand what the babblers on the bands are really saying.

I have attempted to go beyond a simple listing of words to identify specific patterns of communication unique to amateurs. For example you will be introduced to Amateur Action words, Intention Phrases and Sign-Off words. Many of the terms used by amateurs can be placed into one of these groupings. Their existence may tell us something about the personality of amateur operators, who have many more words to announce their intention to end a conversation than to welcome a station with which contact has just been established. Then there's specific patterns such as Lengthening words and Regurgitating Rogers. The topic is ripe for further study - is there a psychologist in our ranks who is willing to conduct a content analysis of amateur communication and report the findings?

The following list has been derived from both personal observation and suggestions from others. Additions would of course be welcome and can be sent to the author.

Affirmative: Yes. An example of a lengthening word. Also see negative.

Amateur Action words: Except when they are trying to climb towers, amateurs are generally a sedentary lot ('Another cuppa - thanks Dear'). However on air hams like to convey the impression of being on the move - hence the constant use of 'going' as in 'going clear' or 'went' as in 'went QRT'. Getting out and 'coming back' are other amateur action words occasionally heard.

Best 73: 73 means best wishes, so best 73 must mean best wishes! It has entered such common use that complaining about this is probably futile.

Break (Break): An abrupt and impolite way of interrupting a conversation already in progress. It's much better to simply insert your call sign in the breaks between transmissions that all good operators leave.

Device: George Orwell's NewSpeak replaces established terms with specific meaning with general terms of less specific meaning. The result is awkward communication that doesn't get to the point. The word device is an example of this misuse. Someone who asks if they are 'making it into the device' really wants to know if they have a decent signal through the repeater. Repeater is not much longer to say than device, but carries a more specific and accurate meaning.

(see you) Further down the log: HamBabble for later. Remains popular, even though most amateurs don't keep logs nowadays. Further down the curly cord or further down the power bill are variants, possibly borrowed from CB. All are common sign-off words. Adding 'will' converts them into intention phrases.

Getting out: Transmitting and being heard. An SWR reading of 1:1 does not always mean that you're getting out. Your coaxial cable might be very lousy, or you're transmitting into a dummy load.

Go: A terse contraction of 'go ahead'. Occasionally used on the amateur bands. A variant is found on 27 MHz, where the 'o' sound is extended and raised in pitch. It's quite entertaining - have a listen one day!

Going: Another amateur action word. Unless you're mobile, you're not going anywhere! Why is it that amateurs are often 'going clear', 'going QRT', or, heaven forbid, 'going thataway'? Often turned into an in-

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Ham Babble...(cont.)

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Intention phrase, eg 'will go clear', etc. Over-used.

Intention phrases: Amateurs often prefer to say that they intend to say something rather than actually saying it. What's wrong with us – is the overuse of intention phrases an unrecognized form of mike-shyness? Will say 73 is the most common intention phrase you'll hear, closely followed by 'will go clear' – also an example of an amateur action word.

Lengthening words: Often used in phonetics – most commonly Victor Kilowatt rather than Victor Kilo. Also affirmative and negative rather than yes or no. Presumably the repeated consonant sounds in the longer words kicks the needle on the linear amplifier higher up the scale. The average power is higher and the signal cuts through the static better. When said very quickly with non-standard phonetics and the speech processor wound up you will succeed at making yourself as unintelligible as any other DX hound on 20 meters.

(VK...) Listening: A weak euphemism for calling CQ used on VHF/UHF FM. Common on repeaters for no logical reason, and even sanctioned in published operating guidelines. Like intention phrases, it's another example of amateurs not saying what they really mean.

Negative: Does not only mean the black power lead on your transceiver. Like affirmative, it is an example of a lengthening word. Negatory is the CB variant, almost extinct these days.

Over and out: Though popular in movies, these two words mean two different things, and should never be used together. 'Over' is an invitation to transmit. 'Out' means 'clear', QRT, 'pulling the big switch' or any of a multitude of other terms.

Over words: When conditions are good and operators know each other's voice and intonations, the term 'over' can be dispensed with. Over isn't the only word used to pass it to the other station – some use the equally respectable 'go ahead' or the in-your-face 'back'. Some HF DXers say 'over over' (said slowly), which may have some merit when signals are weak. See Lengthening words.

Personal: Normally pertains to matters that are private or not of interest to other people. However some newcomers use it as a jargon-ish alternative to the plain 'name'. Handle is similar, but is more accepted in amateur ranks than personal, which is popular on CB. However not everyone likes handle; heard recently on 40 meters was the comment 'I don't have a handle, I have a name'.

Place words: If amateurs are going to be constantly on the move (see amateur action words) it makes sense for there to be places to move between. That's why there is a need for the amateur lexicon to feature the words 'here' and 'there'. 'The name here is Bob'. Does Bob carry a deed poll form in his pocket and change his name when he goes somewhere? If not, the 'here' is superfluous. The famous British spy did not say 'The name here is Bond - James Bond'. Neither should you.

Put it down (with): Something your vet might advise should be done with your ailing dog. However it's yet another sign-off word. Presumably the 'it' is a hand microphone, and you're putting it down when you finish. Also see it.

QRZ the breaker: An ugly embellishment of plain old QRZ? Who is calling? is the plain language version.

QSL: The meaning of this term has broadened from the original acknowledgement of receipt of message (presumably one does not have to understand the message content as in roger) to almost a synonym for yes or affirmative. 'Are you running 100 watts?' 'QSL QSL'. Also see roger and regurgitating roger.

To be continued in the May issue of the Ham Hum...

Submitted by Mary Joseph, NØTRK

UTC EMERGENCY COMMUNICATIONS NATL TRAINING

A generous grant from ARRL corporate partner United Technologies Corporation (UTC) <<http://www.utc.com>> will expand reimbursed Amateur Radio Emergency Communications Course (ARECC) training to all three training levels and put the UTC grant program on a national level. The three-year, \$150,000 grant will reimburse the cost of tuition to students anywhere in the US who successfully complete ARRL's Level I, II and III Amateur Radio emergency communication courses. An earlier UTC grant covered Level I and II ARECC training for more than 280 Connecticut amateurs.

"This grant plays perfectly into the overall plan and scope of emergency communication for local communities and our nation as a whole," said ARRL Emergency Communications Course Manager Dan Miller, K3UFG. "This will allow us to increase the number of seats offered each month for reimbursable courses."

Miller praised UTC's foresight and proactive approach to community involvement.

ARRL Chief Development Officer Mary Hobart, K1MMH, said UTC clearly recognizes the importance of emergency communication. "With this new grant, UTC has taken a giant step and renewed its commitment to Amateur Radio, emergency communication and homeland security," she said.

Including the earlier UTC grant and a three-year federal Corporation for National and Community Service (CNCS) award of some \$543,000, the ARRL now has secured \$726,000 for emergency communication training. That training, Hobart predicted, "will have an impact on every state in the union."

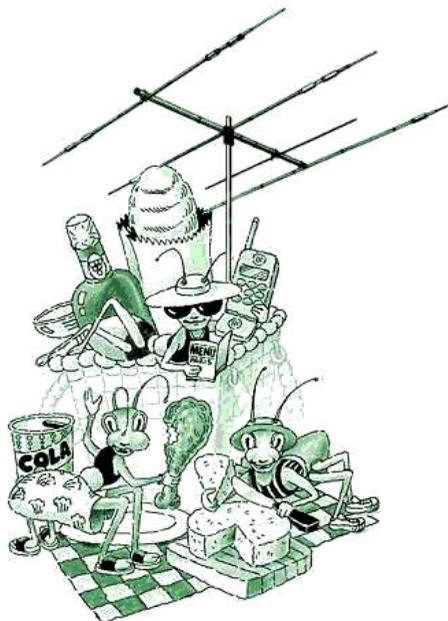
Students successfully completing any level of the on-line Amateur Radio Emergency Communications classes under the new UTC grant will be eligible for reimbursement of their \$45 registration fee.

The ARRL Letter
Vol. 22, No. 07
February 14, 2003

*Aksarben ARC 2nd Annual
Ants Aren't The Only Critters With Antennas Picnic*

**Saturday, May 24, 2003
11:00 am
Mahoney State Park**

**Contact Barb Westcott, kc0h1b, for
more info at
picnic@aksarbenarc.org**





FIELD DAY 2003 Merchandise Sold Here!



**OFFICIAL FIELD DAY T-SHIRTS
IN SIZES FROM MEDIUM TO 2XL
\$15.00 EACH—INCLUDES SHIPPING**

OFFICIAL FIELD DAY PINS—ONLY \$5

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FIELD DAY CLOTHING ORDER FORM

Make checks payable to:
Aksarben ARC
P. O. Box 24551
Omaha, NE 68124-0551

Orders should be in by April 30th.

Merchandise will be available for pickup prior to Field Day.

Name:		Date Ordered:		
Call Sign:		Phone:		
<i>Qty</i>	<i>Description</i>	<i>Size</i>	<i>Unit Pr</i>	<i>Total</i>
	<i>Field Day 2003 T-Shirt</i>		<i>\$15.00</i>	
	<i>G.O.T.A. Shirt</i>		<i>\$15.00</i>	
	<i>Field Day 2003 Pin</i>		<i>\$5.00</i>	
	<i>Subtotal</i>			
	<i>Misc</i>			
	Balance Due (enclosed)			

Area Club Meetings

Day	Club Name	Location
1st Mon	NE City	NE City Fire/Rescue
2nd Tue	BVARC	Courthouse Annex Bldg Logan, IA
2nd Wed	Lincoln ARC	Sheriff's Assn Bldg, State Fairgrounds
2nd Fri	Aksarben ARC	Omaha Red Cross 2912 S. 80th Ave
3rd Mon	Sacmarc (Mar,Jun,Sept only/Dec-TBA)	Wendy's Galvin Rd
3rd Thu	Bellevue ARC	Great Western Bank
3rd Fri	HDXA	Backstreets, Omaha
4th Thu	QCWA	Old Country, 76th Dodge
4th Thu	SW Iowa ARC	CB Red Cross, N 16th
4th Fri	Pioneer ARC	Coffee Pot Café- Fremont
Last Sat	Plattsmouth ARC	Moms Café
Last Sun	Ashland ARC	Ashland Volunteer Fire Hall, 24th & Silver

DoNets

Day/Time	Talk-in	Location
Tue 08:00	146.82-	Main St Café, CB
Fri 20:00	146.390+	Wendys Galvin Rd
Sat 08:00	146.82-	HyVee, 16th St, CB
Sat 08:00	146.94-	HyVee, 132nd Dodge

DoNets are unofficial, casual gatherings of Hams that occur between meetings. Everyone is invited to join in the fun, food and camaraderie each week at any of the locations listed above.

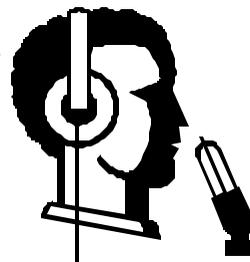
Give a call on the talk-in frequency before the scheduled rendezvous time and have 'em save you a seat!
Please send any changes to w0nsa@arrl.net.



Popular Nets

Day	Time	Frequency	Net	Day	Time	Frequency	Net
S-S	07:30	3.982	NE Morning Net	Thu	20:30	443.450	Plattsmouth ARC
S-S	18:30	3.982	NE Storm Net	Fri	02:00z	434/431.25	ATV Net
M-F	12:30	3.980	Cornhusker Net	Sat	12:00	146.820	Swap Net
M-F	20:30	147.090	Dennison, IA	Sat	21:00	50.300	LCS SSB Net
M-F	21:00	146.760	East NE ARES	Sun	08:00	3.901	Swap Net
Mon	00:00z	28.400	10m Phone Net	Sun	09:00	3.896	3900 Club
Mon	01:00z	145.090	Packet Net	Sun	19:00	28.125	Slow Speed CW
Mon	02:00z	434/421.25	ATV Net	Sun	19:00	146.730-	NE City ARES
Mon	20:00	145.115	Sarpy Cty ARES				
Mon	21:00	146.940	Douglas Cty ARES				
Mon	19:30	145.130	Boyer Valley ARC				
Mon	21:00	146.940	AARC News & Info				
Mon	21:00	145.290	Mills Cty, IA				
Tue	19:00	147.360	QCWA				
Tue	20:00	144.250	2m SSB Net				
Wed	20:00	145.310	Ashland ARC				
Wed	21:00	146.820	Pott. Cty, IA ARES				
Wed	21:00	146.730	Nebr City ARES				
Thu	19:00	28.200	10m CW Net				
Thu	20:00	146.940	HDXA				

*Note that all nets with start times listed in Zulu time are now listed on the correct day for that time. For example, the Sunday night 8:00pm CST DC Ares et listed as starting on Monday morning at 02:00z.



Classifieds MEMBERS, YOUR CLASSIFIED AD COULD BE HERE FOR FREE!

Classifieds are free to members. Send an email with the wording exactly as you want it printed to: wOnsa@arrl.net or mail your ad to: Ham Hum, P.O. Box 540304, Omaha, NE 68154. Ads must be received by the 3rd Friday of the month in order to be published in the next Ham Hum.



What is YahooGroups?

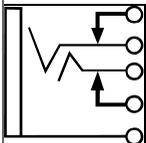
YahooGroups is an email service that offers a convenient way to connect with others who share the same interests and ideas. From HF to APRS there's an amateur radio group that speaks to your interests!

Check out the addresses listed below for more information on some popular local area groups...

Point your browsers to:

<http://groups.yahoo.com/group/aksarbentalk>
<http://groups.yahoo.com/group/hdxa>
<http://groups.yahoo.com/group/dcares>
<http://groups.yahoo.com/group/midwestaprs>
<http://groups.yahoo.com/group/knsp>

FCC License (VE) Testing



Amateur radio license testing sessions are held every other month at the Red Cross at 2912 South 80th Avenue in Omaha.

For all examinations you must take your current FCC license and a copy (if upgrading), photo identification, any certificates of successful completion of previous examination and the testing fee of \$10.00.

For more information contact Brian Zdan KMØY via email at bzdan@novia.net or call 553-2610.

Did you know that amateur radio exam question pools and Practice exams are available on the web? Check out www.arrl.org or www.qrz.com for more information and get that new license now!



Advertise in the Ham Hum!

Your company or organization can advertise in the Ham Hum. With a monthly distribution to over 350 technology hungry consumers your ad is bound to "spark" some interest.

Photo ready ads must be received by the editor on the third Friday of the month to make the next month's issue. Advertisers will receive the Ham Hum while their ad is running.

Aggressively priced advertising rates are as follows:

Number of Months	→ 1	6	12
Business Card (2"x3.5")	\$10	\$40	\$60
DbI Bus. Card (2"x7")	\$15	\$60	\$90
Half Page Ad (4"x7")	\$25	\$100	\$150

Contact the editor for more information

April 2003

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 AARC Board Mtg/Severe Wx Awareness Week	2 Severe Wx Awareness Week	3 Severe Wx Awareness Week	4 Severe Wx Awareness Week	5 DC and Sarpy Siren Testing 10am
6 SAC Museum Family Day	7	8	9 Lincoln ARC Meeting	10	11 AARC Cub Meeting	12
13	14	15	16	17 Bellevue ARC Meeting	18 HDXA Club Meeting	19 Ararat Hambash KC
20	21	22	23	24 SWARC Meeting	25	26
27 Advanced Skywarn Wx Training/MS Walk	28	29	30			

Ham Happenings

April 1—AARC Board Meeting, Red Cross 7:00pm

April 6—SAC Museum Family Day with Ham Radio Display

April 5—DC/Sarpy County Siren Testing 10:00am

April 11—AARC Club Meeting, Red Cross 7:30pm

April 19—Ararat Hambash, Kansas City, MO

April 27—Skywarn Wx Training, Red Cross 1:30pm

April 27—MS Walk

May 2003

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4 MS Bike Ride	5	6 AARC Board Mtg	7 Lincoln ARC Meeting	8	9 AARC Cub Meeting	10
11	12	13	14	15 Bellevue ARC Meeting	16 HDXA Club Meeting	17 Dayton Hamvention
18 Dayton Hamvention	19	20	21	22 SWARC Meeting	23 Nebr State High School Track Meet	24 Nebr State High School Track Meet
25	26	27 AARC VE Test Session	28	29	30	31

Ham Happenings

May 4—MS Bike Ride

May 6—AARC Board Meeting, Red Cross 7:00pm

May 9—AARC Club Meeting, Red Cross 7:30pm

May 17-18—Dayton Hamvention

May 23-24—Nebraska State High School Track Meet

May 27—AARC VE Test Session

AARC CLUB CLOTHING ORDER FORM

	Name:	Call Sign:			
	Address:		Phone:		
	City:	State:	Zip		
Qty	Item	Size	Color	Price	Total
	AkSarBen Club ID Badge		Green/Yellow	6.50	
	Name:	Call:		0.00	
	AkSarBen Baseball Style Jacket/flannel lining	S-M-L-XL	G-B-N-R-RB-P-M	34.00	
	G=Kelly Grn, B=Black, N=Navy, R=Red,	XXL	G-B-N-R-RB-P-M	36.00	
	RB=Royal Blue, P=Purple, M=Maroon	XXXL	G-B-N-R-RB-P-M	37.00	
	Embroider Name:			5.00	
	Embroider Call Sign:			5.00	
	AkSarBen Baseball Style Jacket/quilted lining	S-M-L-XL	B-R-RB-N	40.00	
	B=Black, R=Red, RB=Royal Blue, N=Navy	XXL	B-R-RB-N	42.00	
	Embroider Name:			5.00	
	Embroider Call Sign:			5.00	
	AkSarBen Fleeced Lined Jacket with Hood	S-M-L-XL	F-B-N-R-RB-BG	40.00	
	F=Forrest Green, B=Black, N=Navy, R=Red	XXL	F-B-N-R-RB-BG	42.00	
	RB=Royal Blue, BG=Burgundy	XXXL	F-B-N-R-RB-BG	44.00	
	Embroider Name:			5.00	
	Embroider Call Sign:			5.00	
	AkSarBen Club T-Shirt	S-M-L-XL	W-A	15.00	
	(Short sleeve with tri-color shield logo on front)	XXL	W-A	17.00	
	W=White, A=Ash	XXXL	W-A	18.00	
	AkSarBen Club Sweatshirt	S-M-L-XL	W-A	22.50	
	(Long sleeve with tri-color shield logo on front or back)	XXL	W-A	24.50	
	W=White, A=Ash	XXXL	W-A	25.50	
	AkSarBen Club Hooded Sweatshirt	S-M-L-XL	W-A	26.00	
	(Hooded with tri-color shield logo on front or back)	XXL	W-A	28.00	
	W=White, A=Ash	XXXL	W-A	29.00	
	Embroider Name:			5.00	
	Embroider Call Sign:			5.00	
	AkSarBen Club Zippered Hooded Sweatshirt	S-M-L-XL	W-A	29.00	
	(Zippered/Hooded with tri-color shield on front or back)	XXL	W-A	31.00	
	W=White, A=Ash	XXXL	W-A	32.00	
	Embroider Name:			5.00	
	Embroider Call Sign:			5.00	
			Subtotal:		
	Make Checks Payable to: AkSarBen ARC		Shipping:		
	Send orders to: AkSarBen ARC/Club Clothing		Grand Total:		
	P. O. Box 24551		Amount Paid:		
	Omaha, NE 68124-0551		Amount Due:		



The Ak-Sar-Ben Amateur Radio Club

Affiliated with the American Radio Relay League since its founding in 1945, the Ak-Sar-Ben Amateur Radio Club of Omaha, Nebraska is a general interest amateur radio club with over 300 "radio-active" members.

lic service communications support for events such as parades, charity fund raisers, emergency preparedness drills, and disaster relief operations.



Our members are involved in virtually every aspect of amateur radio from electronic circuit design to worldwide communication via voice and Morse code, satellite and space station communications, meteor scatter, computer assisted digital modes, amateur television, and even severe storm spotting for the National Weather Service.

The club offers amateur radio classes to the public for those who wish to obtain an amateur radio license or upgrade their license privileges.

For more information contact us via email at k0usa@qsl.net. If you have a scanner you can listen to the clubs main wide area repeater at 146.940

We make a special effort to provide pub-



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