

# The Ragchewer

December 2007

The monthly newsletter of the  
Lancaster & Fairfield  
County Amateur Radio Club

On the Web: [www.k8qik.org](http://www.k8qik.org)

Send email to [K8QIK@columbus.rr.com](mailto:K8QIK@columbus.rr.com)

## **Club Meetings :**

1<sup>st</sup> Thursday of every month  
at 7:30 pm at the club house.

## **VE Testing:**

The third Sunday of every  
even numbered month.  
Register at 9:30 am and  
testing at 10:00 am

## **Club House**

### **Location:**

On State Route 37 (Granville  
Pike) next to Beavers Field.

## **Nets:**

**Mondays** at 9:00 p.m.  
147.03 MHz (+.6)  
146.70 MHz (-.6) Alt. Freq.  
443.875 MHz (+5)  
**Thursday** at 8:00 p.m.  
443.875 MHz (+5)  
UHF linked system

Packet BBS 145.53MHz  
K8QIK-1 BBS  
K8QIK-2: Ohio53

## **Weather Spotter Net:**

146.76 Repeater with 123Hz  
tone Tuesday at 7:30 pm  
Alt frequency 147.24 MHz

## **December Birthdays**

Charles O'Hare WA8DEB  
Raymond Hurlbut W8FLX

## **Thursday Night Radio Night**

Radio night is every Thursday at 6:00 p.m.  
(except the first Thursday which is the club  
monthly meeting). Work a little HF, maybe  
build something? How about a hot cup of  
coffee. We'll have them all waiting for you.

## **ARRL Membership**

When you join the ARRL, or renew your  
membership through the club, we retain \$15 for  
each new membership OR lapsed membership  
(of two years or more), and we retain \$2 for  
each renewal. Please support our club, it doesn't  
cost any more. Send or give all paperwork to  
Treasurer with your money.

## **December VE Test:**

The next VE test will be Sunday December  
16th at the club house on Route 37. Register at  
9:30 a.m. and testing begins at 10:00 a.m.  
Prepare yourself, take this test and upgrade!

## **Free Swap and Sell**

If you have anything ham radio related, you can  
swap it or sell it here. List your items for free.  
Give a price and how to contact you. Send the  
list to [K8QIK@columbus.rr.com](mailto:K8QIK@columbus.rr.com)

## **2006-2007 Officers**

### **President:**

Charlie Snoke, N8KZN

### **Vice President:**

Mark Urbine, KC8TUW

### **Treasurer:**

Ed Campbell Sr., WD8PGO

### **Secretary:**

Mary Travis, KD8EEI

### **Trustee:**

John Hilliard, W8OF

### **Station Engineer:**

John Hilliard, W8OF

### **Net Manager:**

John Fick, KD8EEK

### **Activities Manager:**

John Fick, KD8EEK

### **Public Relations:**

Allen Sellers, KB8JLG

### **Flower Fund:**

---Open---

### **Chief Cook and Bottle Washer:**

Charlie Snoke, N8KZN

### **Editor:**

Jack Travis, AE8P  
(740) 687-1985

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## December 6, 2007 Meeting Minutes

At 7:30 p.m. the meeting was called to order by President Charlie Snoke, N8KZN who lead the Pledge of Allegiance

There were 20 members present and one guest, Dick Weaver, N8EWC. There was one new application (Joel Skeele) for review.

### Officer Reports

#### **Secretary Report: Mary Travis, KD8EEI**

Minutes were posted in the November Ragchewer. Motion to accept by John, W8AGS and seconded by Ray, W8FLX. Motion carried.

#### **Treasurer's Report: Ed Campbell, Sr., WD8PGO**

Ed gave the club financials. Motion to accept by Bob, KC8PSW and seconded by Ed, WB8JBG. Motion carried.

#### **VP Report: Mark Urbine, KC8TUW**

Mark reported for the Audit Committee (Mark, KC8TUW, Chairman with Ray, W8FLX and Ed, WB8JBZ and stated meetings were held to conduct an audit of the "books" (records), which were maintained by the Club Treasurer Ed Campbell, WD8PGO for the period covering October 2006 through November 14, 2007. The books were found to be accurate and all accounting procedures to be satisfactory through these dates. We commend our Treasurer Ed Campbell, WD8PGO, for the outstanding job that he has done maintaining the club financial records through the period covered in the audit, as well as providing this service to the Club in the years past.

#### **Trustee Report: John Hilliard, W8OF**

John stated we should hold an executive committee meeting to discuss website, etc. Time and date will be set after the membership meeting.

### Committee Reports

#### **VE Testing: Allan Sellers, KB8JLG**

Next testing will be December 16<sup>th</sup> at 9:30 a.m. at clubhouse

#### **Monday Night Net: John Fick, KD8EEK**

Dec 10 John, W8AGS  
Dec 17 Charlie, N8KZN (remind him)

Dec 24 Christmas Eve No net  
Dec 31 John, KD8EEK

### 2008

Jan 7 John, W8OF  
Jan 14 John, W8AGS

#### **Ragchewer: Jack Travis, AE8P**

Nothing to report. Submit any article, news item, cartoon, or other ham related bits of trivia to Jack at [k8qik@columbus.rr.com](mailto:k8qik@columbus.rr.com)

#### **Emergency Coordinator: Ed Campbell, WD8PGO**

No report

#### **Safety: Scott Snoke, WD8IXO**

No report

#### **Station Engineer: John Hilliard, W8OF**

John reported there has been some interference on 147.030 but nothing he can fix and we usually run into this with winter weather. John requested a check for \$15.00 to register our three repeaters with Ohio Area Repeater Club.

Ray, W8FLX suggested we consider setting up a station on the first floor of clubhouse for members who were unable to climb the stairs. Several suggestions were made and this will be looked into for options.

#### **Activities Manager: John Fick, KD8EEK**

50/50 winner was Sandy, KD8FTX – not present no winner - \$21.00 collected. Kay has agreed to work with John, KD8EEK for the Christmas Party

#### **Flower Fund: Vacant**

Connie, N8LPC filling in collected \$13.00 and Mary, KD8EEI won \$6.50. Also we need a volunteer to take over since Mary is now going to be secretary,

#### **Old Business:**

Ray, W8FLX reported for the committee (Mark, KC8TUW, Chairman with Ray, W8FLX and Ed, WB8JBZ) tasked with coming up with a five-year plan for raising money for operating expenses. Ray stated a general review of last five years income and expenses showed an average of \$2,500 (\$1,200 income from dues and \$1,300 from donations). Our expenses have been between \$2,000 and \$3,000 with some years in a

deficit like we will have for 2007. After discussion, it was suggested that the executive committee discuss this at their meeting and then make a proposal to membership for approval. One suggestion was to appoint a public relations director and get some publicity out in the community about the club and see if we can get some donations, etc. Charlie, N8KZN asked Mark, KC8TUW if he was interested in doing this and he said he would. It was brought up that Alan, KB8JLG had been appointed sometime previously and Mark stated he would contact Alan and make sure he was okay with the change.

Robert, KC8PSW reported that he had taken over as webmaster for our website, K8QIK. He asked the members to please check out the website and see if the new design was easier to navigate and response time should be quicker. He also stated that he needed \$34.80 to pay for the domain name or else we would lose our K8QIK.org. Website is under qsl.net and is free. John, W8AGS made a motion to pay \$34.80 for a two-year registration and seconded by Jeff, WD8JLI. Motion carried. Executive committee will discuss if

we want to make this an automatic renewal every two years so we do not lose our K8QIK.org name.

#### **New Business:**

Tom, KB8USK suggested that a plaque be purchased for the clubhouse and when we have members who are deceased that we add their name to this plaque in memory of their contribution. This suggestion was tabled since operating funds are low.

Charlie, N8KZN stated he needed some volunteers to do an antenna check at the locations where we have added antennas, which is required by EMA on a yearly basis. The following volunteered: Jeff, WD8JLI; Mark, KC8TUW; John, W8AGS; Robert, KC8PSW; John, W8OF; and Ed, WB8JBZ. Charlie stated it would be some time in late January.

Gary, W8GTS, motion to adjourn, second John, W8AGS. Motion carried. Meeting adjourned at 8:35 p.m.

Respectfully submitted,  
Secretary, Mary Travis, KD8EEI

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### Upcoming Hamfests

**None until January**

### Tubes For Sale

If you need tubes for your boat anchor or TV contact Jeff Bell WD8JLI at 614-774-2973 or email at [jbelle@imagearray.net](mailto:jbelle@imagearray.net) he has a huge supply for most needs\

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### Richard Lytle, W8THU (SK)

Richard Arden Lytle, age 90 of Columbus, passed away November 4, 2007 at Lutheran Village Care Center.

He was a graduate of Bexley High School, Class of 1935 and a U.S. Army Air Corps Veteran, where Richard served as a Sergeant in the Signal Corps. He was a Member of Gender Road Christian Church, formerly Southeast Christian Church. He managed Universal Service from 1950-1969 then worked in sales at SREPCO until retiring in 1983.

Richard's favorite hobby was his love of Amateur Radio and his call letters were W8THU. He was preceded in death by his parents, Everett Arden Lytle and Nora Alma Kientz. Survived by wife of 66 years, Helen Lytle; children, Shirley (Stephen) Wolfe, and John Arden (Cynthia) and Allen (Susan) Lytle; grandchildren, Andria (George) Canning, Danielle Wolfe, and Peter Arden, Elizabeth, and Christopher Lytle; sister, Audrey Robinson; and nephews, Jeffrey and Stanley Robinson.

A memorial service was held at 1:30 P.M. Sunday, November 18, 2007 at Gender Road Christian Church in Canal Winchester 43110. Contributions in his memory may be made to Gender Road Christian Church, or Lutheran Village, 935 N. Cassady Ave., Columbus, Ohio 43219.

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## Donard Clum, WA8ZUU (SK)

Donard "Tuffy" Clum, 76, passed away peacefully, Wednesday, Nov. 14, 2007, at Fairfield Medical Center surrounded by his loving family.

He was a lifelong resident of Baltimore, Ohio, and son of the late Clifton and Margaret Clum. He was a retired supervisor for Continental Midland, formerly Midland Screw Inc., with 43 years of service. He was a Korean Conflict veteran serving in the U.S. Army. He was a member of the Baltimore Masonic Lodge 475, Buckeye Lake Eagles 2801, VFW Post 3761, Tarhe Shrine Club of Aladdin Temple, Lancaster Fairfield County Amateur Radio Club, American Legion Post 11 and Fairfield Fish and Game Association.

Tuffy is survived by his wife of 54 years, Mary Ellen Broyles Clum; three daughters, Janet (Butch) Friedrich, Judy (Kirk) Kavander and Joyce (Randall) Pullins, all of Baltimore, Ohio; eight grandchildren, Wendy (Josh) Poston, Craig (Justyn) Friedrich, Shelli (Steve) Drossel, Kandice (fiance J. C. Boley) Kavander, Ashlee (Nick Keller) Kavander, Randy Pullins, Aaron (Kim Erlenbach) Pullins and Lucas Pullins; five great-grandchildren, Bailee and Brody Poston, Sydney and Seth Drossel, and Kaden Pullins; best friend, Homer Wade; and nieces and nephews.

He was preceded in death by his parents; and two sisters, Sharon Robinson and Mona Anderson.

Services will be at 6:30 p.m. Saturday in Johnson-Smith Funeral Home Chapel and Crematory, 207 S. Main St., Baltimore, OH 43105 with the Rev. Benjamin Foulk officiating. Caring Cremation will follow. Friends may visit from 3 to 6:30 p.m. Saturday at the funeral home. The Baltimore Masonic Lodge 475 had a memorial service at the funeral home. Burial will be at the convenience of the family in Maple Grove Cemetery, Baltimore, Ohio.

Contributions may be made to the VFW Post 3761 Christmas Basket Fund, 2155 Baltimore-Reynoldsburg Road, Baltimore, OH 43105 in his memory.

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## E-mail Addresses

If you are currently receiving The Ragchewer via regular mail but have an Internet account, the Ragchewer can be sent to you and save the club some money. You'll also get your Ragchewer about a week earlier. Send me your e-mail address and tell me to take you off the snail mail list.

If you have a new email address, be sure to also let me know. Send to [K8QIK@columbus.rr.com](mailto:K8QIK@columbus.rr.com)

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## The Wayback Machine #18

by Bill Continelli, W2XOY

In our last installment, we traced the development of FM and repeaters from 1932 up to 1970. Since the FCC rules at that time had no provision for repeater operation, stations in repeater service were operated under the Part 97 provisions covering remote control. The FCC, in February, 1970, came out with Docket #18803, which set forth the Commission's proposed repeater rules. These included small subbands set aside for repeater operation, a ban on linked, cross-band and multiband repeaters, a requirement for "whistle on" or other tone control, and a requirement that the licensee of a repeater station be in attendance

at the transmitter or at an authorized fixed control point to monitor all transmissions of the station. In regards to the 2 meter band, the FCC set up the repeater subband in such a way that two thirds of it would not be accessible to Technicians.

Reaction was quick and negative. The ARRL and others felt that the proposed rules were so restrictive that they might be the end of amateur repeater operation as it existed at that time. Counter proposals, far less restrictive than the FCC's, were submitted to the Commission.

While amateurs waited for the revised FCC rules, another problem had to be solved. When two meter

FM operation started in the 60's, 146.94 had been chosen as the national simplex frequency. This was the highest wide band FM frequency available to Technicians. After repeaters came along, amateurs discovered that the surplus commercial equipment in use had a maximum bandwidth of 600 kHz. Thus, 146.34 was chosen for the first repeater input. However, in areas where .94 was in heavy use by simplex stations, 146.76 was chosen as the output. This led to the problem of non-standard splits, and in some areas of the country, repeaters such as .34/76, .28/94, and .34/82 could be found. The frequency 146.94 was a battleground between the simplex vs. repeater groups.

Amateurs were also fighting a minor battle over 146.64 MHz, which, in some parts of the country, was a DX simplex frequency. To make matters worse, all transceivers back then were crystal controlled. With crystals at \$10 per pair, it cost \$120 (about \$350 today) to fill all 12 channels in a 2 meter radio. It was possible to equip your radio with the repeaters and simplex frequencies used in one area, then find all of your channels were useless 200 miles away.

A National Plan was needed. The Texas VHF-FM Society proposed such a plan, which was described in the May, 1972 issue of QST. In it, the repeater offset was standardized at 600 kHz, 146.94 and 146.64 became repeater outputs, 146.40 through 146.58 became simplex, and 146.52 was chosen as the national simplex frequency. In the 146-147 range, accessible to Technicians and above, there were 13 repeater and 7 simplex channels. The 147-148 range, available only to Generals and above, had 14 repeater and 6 simplex channels. Note that in the Texas plan, all repeater inputs were 600 kHz below the output--even in the 147-148 range. Except for changing the inputs to the high side above 147 MHz, the Texas Plan was adopted.

The gradual acceptance of a 2 meter band plan still did not resolve the FCC issue. The Texas Plan, as good as it was, violated the FCC's 1970 proposal. The Commission still had not issued any repeater rules, nor had they acted on the ARRL's 1969 request to give Technicians the full 2 meter band. Finally, in September 1972, the FCC issued new rules covering repeaters, logging and portable/mobile operations. Liberal repeater subbands were authorized at 52-54, 146-148, 222-225, and 442-450 MHz. Logging requirements, especially for repeater and mobile stations, was simplified: repeater operators no longer

needed a tape recorder hooked up to their stations. The requirement for a portable or mobile station to notify the FCC of operation in a particular Radio District was also reduced--no longer would amateurs contemplating a cross country trip with their radios have to write to each District on their journey in order to inform the Engineer of the trip.

Repeaters would have to be licensed: call signs beginning with the prefix "WR" would be issued. The repeater license application was complex--each applicant for a repeater license had to submit certain data to the FCC regarding the technical, operational, and effective radiated power of the proposed station. "Whistle on" or tone control was no longer required, two repeaters could be linked, but multi-linked or crossband repeaters were prohibited. Repeater monitoring and control requirements were made more flexible. And finally, the FCC acted in part on the ARRL's 1969 proposal. Although they did not give Technicians full 2 meter privileges, they did grant them the 147-148 segment. Technicians could now operate all 2 meter repeaters without violating FCC rules. The new FCC repeater rules, coupled with the Texas Plan, caused a surge in 2 meter FM activity. It also was the shot in the arm the hobby needed to fully recover from the decrease in growth caused by Incentive Licensing.

Manufacturers such as Drake, Standard, Regency, Tempo, Genave, Clegg and Midland poured rigs onto the amateur market. Heathkit had the very successful HW-202 followed by the even more popular HW-2036. The increase in the number of Technicians on 2 meter FM finally killed the "Technicians are experimenters, not communicators" theory. And finally, thanks to 2 meter FM, amateur radio grew by over 33% in the 1970's. In 1975, due to increased demand, the FCC authorized the use of 144.5-145.5 MHz for repeater operation. Technicians were given access to this subband. In 1978, the FCC relaxed the rules, eliminated the separate repeater licenses and the "WR" prefix, and gave Technicians the full 2 meter band.

From 1978--1981, the synthesized revolution took place, as affordable PLL and microprocessor rigs drove the last of the crystal controlled radios off the market. Today, a name brand, 2 meter HT costs about \$175. With it, you can access over 4000 repeaters, or scan the VHF Hi band. Compare that to 1972, when a crystal controlled radio, equipped with 12 channels, cost \$300--or about \$800 in today's dollars. We truly have come a long way.

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## Radio Events for 2008

### January

- 1 ARRL Straight Key Night
- 5 ARRL RTTY Roundup
- 6 ARRL RTTY Roundup
- 6 Kid's Day
- 12 North American QSO Party--CW
- 13 North American QSO Party--CW
- 19 ARRL January VHF Sweepstakes
- 19 North American QSO Party--Phone
- 20 ARRL January VHF Sweepstakes
- 20 North American QSO Party—Phone
- 26 CQ WW 160-Meter Contest
- 27 CQ WW 160-Meter Contest

### February

- 2 North American Phone Sprint
- 9 CQ WW WPX RTTY Contest
- 9 North American CW Sprint
- 10 CQ WW WPX RTTY Contest
- 11 School Club Roundup
- 12 School Club Roundup
- 13 School Club Roundup
- 14 School Club Roundup
- 15 School Club Roundup
- 16 ARRL International DX Contest—CW
- 17 ARRL International DX Contest--CW
- 23 CQ WW 160-Meter SSB Contest
- 23 North American QSO Party—RTTY
- 24 CQ WW 160-Meter SSB Contest
- 24 North American QSO Party—RTTY

### March

- 1 ARRL International DX Contest—Phone
- 2 ARRL International DX Contest—Phone
- 8 North American RTTY Sprint
- 22 CQ WW WPX SSB Contest
- 23 CQ WW WPX SSB Contest

### April

- 18 World Amateur Radio Day
- 26 ARRL VEC Amateur Exam Day
- 27 ARRL VEC Amateur Exam Day

### May

- 11 Mother's Day
- 16 Dayton Hamvention®
- 17 Dayton Hamvention®
- 17 Armed Forces Day
- 18 Dayton Hamvention®
- 24 CQ WW WPX CW Contest
- 25 CQ WW WPX CW Contest

### June

- 14 ARRL June VHF QSO Party
- 15 ARRL June VHF QSO Party
- 21 Kid's Day
- 21 Amateur Radio Week Begins
- 28 ARRL Field Day
- 29 ARRL Field Day

### July

- 12 IARU HF World Championship
- 13 IARU HF World Championship
- 19 CQ WW VHF Contest
- 19 North American QSO Party—RTTY
- 20 CQ WW VHF Contest
- 20 North American QSO Party—RTTY

### August

- 2 ARRL UHF Contest
- 2 North American QSO Party—CW
- 3 North American QSO Party—CW
- 3 ARRL UHF Contest
- 16 ARRL 10 GHz and Up Cumulative Contest
- 16 North American QSO Party—Phone
- 17 ARRL 10 GHz and Up Cumulative Contest
- 17 North American QSO Party—Phone

### September

- 1 National Preparedness Month Begins
- 6 North American CW Sprint
- 13 ARRL September VHF QSO Party
- 13 North American Phone Sprint
- 14 ARRL September VHF QSO Party
- 20 Amateur Radio Public Awareness Day
- 20 ARRL 10 GHz and Up Cumulative Contest
- 21 ARRL 10 GHz and Up Cumulative Contest
- 27 ARRL VEC Amateur Exam Day
- 27 CQ WW RTTY Contest

- 28 ARRL VEC Amateur Exam Day
- 28 CQ WW RTTY Contest

**October**

- 4 ARRL Simulated Emergency Test
- 5 ARRL Simulated Emergency Test
- 11 North American RTTY Sprint
- 18 Scouts Jamboree On the Air
- 19 Scouts Jamboree On the Air
- 20 School Club Roundup
- 21 School Club Roundup
- 22 School Club Roundup
- 22 Orionids Meteor Shower
- 23 School Club Roundup
- 24 School Club Roundup
- 25 CQ WW DX SSB Contest
- 26 CQ WW DX SSB Contest

**November**

- 1 ARRL November Sweepstakes—CW
- 2 ARRL November Sweepstakes—CW
- 15 ARRL November Sweepstakes—Phone
- 16 ARRL November Sweepstakes—Phone
- 22 CQ WW DX CW Contest
- 23 CQ WW DX CW Contest

**December**

- 6 ARRL 160 Meter Contest
- 7 ARRL 160 Meter Contest
- 13 ARRL 10 Meter Contest
- 14 ARRL 10 Meter Contest
- 25 Christmas Day
- 31 ARRL Straight Key Night

**Annual Scholarships**

THE FOUNDATION FOR AMATEUR RADIO, INC., a non-profit organization with headquarters in Washington, D.C., plans to administer fifty-five (55) scholarships for the academic year 2008-2009 to assist licensed Radio Amateurs. The Foundation, composed of over seventy-five local area Amateur Radio Clubs, fully funds three of these scholarships. Eleven are funded with the income from grants. The remaining forty-one (41) are administered by the Foundation without cost to the various donors.

Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled in or have been accepted for enrollment at an accredited university, college or technical school. The awards range from \$500 to \$3000 with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs. Non-USA residents are eligible to apply for some of the scholarships. Clubs, especially those in California, Delaware, Maryland, Ohio, Pennsylvania, Texas, Virginia and Wisconsin (areas of preferred residence for some of the scholarships), are encouraged to announce these opportunities at their meetings, in their club newsletters, during training classes, on their nets and on their world wide web home pages.

Additional information and an application form may be requested by letter or QSL card, postmarked prior to March 30, 2008 from:

FAR Scholarships  
Post Office Box 831  
Riverdale, MD 20738

Applications are available for download from their website <http://www.amateurradio-far.org/>

The Foundation for Amateur Radio, incorporated in the District of Columbia, is an exempt organization under Section 501 (C)(3) of the Internal Revenue Code of 1954. It is devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

**Vanity Call Fee Drops**

In case you missed it, the FCC reduced the fee for Vanity Call Signs effective September 17, 2007. The previous fee of \$20.80 dropped to \$11.70. This new fee is the lowest that has been charged since 11 years ago when the original fee was set at \$12. The Commission expects about 14,700 applications to be received during its coming fiscal year.

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## AARP Endorses Amateur Radio

AARP Endorses Amateur Radio: Amateur Radio and the ARRL received a significant public relations boost from the AARP this week. Promoting life-long learning for their members, Susan Ayers Walker wrote "Finding Your Hobby Online" for the AARP Web site. What's the first and most prominent activity listed to keep the mind active and functional? Amateur Radio! Here's what the article had to say: "Long before the internet was created, the Amateur Radio network was the way people from all over the world could connect. Amateur, or ham, Radio operators created vast social networks by talking long

distances to other radio enthusiasts, making distant friends and exchanging calling cards. It is this linkage of radio enthusiasts that is ready to help communication flow in case of a disaster or weather emergency. The ARRL, the National Association for Amateur Radio, has an informative website with lots of news and information, plus info on getting started or finding a chapter in your area." You can read more at [http://www.aarp.org/learntech/computers/life\\_online/finding\\_your\\_hobby\\_online.html](http://www.aarp.org/learntech/computers/life_online/finding_your_hobby_online.html)

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## Are We Donating To The Club ?

By Jack Travis, AE8P

I realized several months ago that every time I put money into the flower fund or the 50/50 fund, I was throwing my money away and not helping the club at all. Several months ago, someone after having won the flower fund decided to donate his winnings to the club "radio fund". That's a nice gesture but that practice has now become the standard obligation for winners.

By doing so, it is a good reason not to get into either of those funds. What's the point ? If you win, you lose. What's happened is people are aware of this practice and therefore aren't joining in those raffles.

I'm suggesting that if you win, you don't jump up and say you're putting your winnings into the "radio

fund". If you want to do something like that, do it after the meeting or better still let's keep a lock box and you can stuff your winnings into that if you want. Every six months we open the box and see what's there.

I believe there are members who no longer get into those funds for that very reason. They have no chance of winning it back.

We should all be aware that the flower fund has taken in \$72.50 this year and the main purpose of the flower fund is to send flowers to SK's and cards to those in the hospital. This year we have had 5 SK's. If you've bought flowers lately you should be aware that \$72.50 won't go very far in sending flowers for 5 SK's. Another year like this one and there won't be any flowers sent out at all.

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## Wire Inductance vs. Frequency

Wire inductance changes somewhat with frequency because of the way current distribution within a wire changes with frequency. Current distribution through the cross section of a wire is essentially uniform at very low frequencies. Current is concentrated more toward the surface as frequency increases toward infinity (*skin effect*). The high-

frequency inductance of a wire is always less than the low-frequency inductance, because the redistribution of current at high frequencies always reduces magnetic flux linkages. However, wire inductance differences throughout the radio spectrum are not usually great.



# Table of Contents

Page 1 – December Birthdays  
Page 1 – Thursday Night Radio Night  
Page 1 – ARRL Membership  
Page 1 – December VE Test  
Page 1 – Free Swap And Sell  
Page 2 – December 6, 2007 Meeting Minutes  
Page 3 – Upcoming Hamfests  
Page 3 – Tubes For Sale  
Page 3 – Richard Lytle, W8THU (SK)  
Page 4 – Donard Clum, WA8ZUU (SK)  
Page 4 – Email Addresses  
Page 4 – The Wayback Machine #18  
Page 6 – Radio Events For 2008  
Page 7 – Annual Scholarships  
Page 7 – Vanity Call Fee Drops  
Page 9 – AARP Endorses Amateur Radio  
Page 9 – Are We Donating To The Club ?  
Page 9 – Wire Inductance vs. Frequency

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LFCARC  
P.O. Box 3  
Lancaster, OH 43130

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**K8QIK**

**December 2007**



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