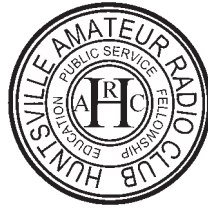


VOX



HUNTSVILLE AMATEUR RADIO CLUB

Huntsville, Alabama

Volume 47, Number 3

March, 2007

Huntsville Amateur Radio Club Information

Club Officers

President:

Chris Best, KB3DXR
kb3dxr@yahoo.com

Vice President:

Rolf Goedhart K4RGG.
k4rgg@arrl.net

Secretary:

Robby Lock, KG4PLK
huntsvilleweather@gmail.com

Treasurer:

Heath Thorson, KC4HRX, 325-2507
hthorson@knology.net

The club's address is Box 423, Huntsville, Ala. 35804. Meetings are held each Friday night at 7:30 P.M. at the American Red Cross Building, 1101 Washington Street. Dues are \$12.00 per year, family memberships are \$15.00 per year. The club maintains a Web Site at "http://www.harc.net"

The North Alabama Repeater Association operates repeaters on 146.34 / 146.94, 147.78 / 147.18, 223.34 / 224.94 and 448.5 / 443.5. NARA dues are \$16.00 per year and may be sent to NARA at P.O. Box 18941 Huntsville, AL 35804-8941.

The club's packet radio interest group, HUNTSPAC, maintains an extensive packet network for the Huntsville area. Dues for use of this network are \$15.00 per year, and can be paid through the HARC Secretary-Treasurer listed above.

The club's ATV special interest group, TVATV operates an ATV repeater. It's input frequency is 439.25 MHz and its output is 421.25 MHz. A voice coordination repeater is operated with output frequency of 145.33 MHz, input 600 kHz down.

The Vox is published the third Friday of each month except for August. Editor of the Vox is Frank Emens, W4HFU, 3714 Lakewood Circle, Huntsville, Ala. 35811 or femens@hiwaay.net. Material of interest to the HARC membership should be submitted to the editor by Wednesday before the third Friday of the month of publication.

"Vox", Vol 47, Nr 3, March, 2007

A Newsletter published monthly except for August by the Huntsville Amateur Radio Club, P.O. Box 423, Huntsville, AL 35804

K4BFT's Shack is for You!

It was a pleasure to have a brand new HARC prospect, Jack McCreary, ask about the marvels of HF with new-ham enthusiasm after the February 9th meeting. With some trepidation, I suggested we swing by the shack for a quick QSO. I was a little worried for two reasons: I can generally clear out the entire band by calling CQ on phone, and I was afraid Jack would run screaming from the Red Cross when he saw the mess in the shack. Fortunately, I was wrong on both accounts, and we squeezed into the shack for a 40m QSO with a former Alabama resident now living in Wilmington, DE.

Our luck with the shack may not hold forever. When I stopped by the next Monday to borrow the projector (having several weeks before reserved it on the calendar Woody has mounted conspicuously on the wall), I was greeted by a pile of books in back of the door, blocking it from opening. My immediate assumption that this was yet another example of Brownian motion proved incorrect: either an earthquake, or the force of the door being closed the last time, had knocked the precariously-piled books from the shelf onto the floor. They are now stacked on the shelf again, waiting for the next time.

Let me suggest we hold a shack cleaning party at an upcoming meeting. I propose Draconian measures for dealing with unclaimed junk: to the dumpster with it. This may mean removing the computers and monitors laying unused on the floor, and even boxing up some of the "archives" for storage in the back, where we have a locked cage with our name on it, and the key (somewhere, I think). If we can restore the shack to livable status, we might attract an operator every so often. Who knows - if we get the ball rolling, some day we might fix the tribander's rotor, and even squeeze more than 200 watts from the Henry! After that, who knows, a cable from the FT-840 to the (single remaining) computer would give us PSK-31 and

RTTY, along with HF phone and CW, and VHF/UHF, when you can dig out a mike or key.

Get your waders ready.

73, Tom Duncan, KG4CUY

From the VEEP

It is happening! HARC will be hosting a General License class starting March 2nd. Classes start at 6:30 and will last approximately 45 minutes each Friday night. Thank You Instructors: Tom D, Tom H, Leigh and Woodie and Thank You Tom D. for spearheading the event and making a planning. The schedule is posted in his VOX. GigaParts will be offering 10% discount on the book, if you mention the HARC General class. If you are going to participate in this class it is probably a good idea to read the appropriate section in the ARRL Manual first.

As this goes to publication we will be having our second FVOX event. Thank You Jason Amos, EC from Marshall County, for your presentation. Next month we will be out for real

CAVEC License Exams

Exam sessions are held at 9:00 AM the first Saturday of each month unless a holiday causes the session to be delayed for one week.

Upcoming sessions are:

Saturday, March 3

Saturday, April 7

For information contact:

Larry Frost, KR4GU, 864-3244

kr4gu@hamfest.org

Or

Don Tunstill, W4NO, 536-3904

dontunstill@hamfest.org

Athens Exam Sessions are held the 3rd Saturday of each month at 1:00. They are held at the Athens EOC.

For information contact Bob Hudson, W4RKH, 461-7905

FVOX hunt! Last month we got a taste of it as we did a simple in house exercise. It was great to see how the atmosphere came alive as several guest speakers (Steve, Paul, Jared and several others) shared their experiences. See the pictures later on in the VOX.

Next week will be project building day and the Tiny Track will be on the bench. Thank You Chris for heading up that project.

Last week in March will be auction night as it is our 5th Friday that month, start collecting your stuff and bring it to the club. There will be no General Class that day.

It's going to be an exciting month; unfortunately you VEEP will be traveling 3 Fridays in March, hope you don't have to miss any of it!

A big Thank You to Frank for tirelessly putting the VOX together, month after month, year after year! What would we do without you Frank!

Be well, do good work and keep in touch!

73 de Rolf Goedhart, K4RGG

Report from ARES District 6

Northern Alabama has a lot of great Amateur radio operators. A few show up at the regular club meetings and a few show up for Field Day and other exercises. A few even put up their hand when someone asks for a volunteer to do some work. I want to solicit your volunteer spirit — next time your ARES EC asks for some help, please step up and volunteer to help out. You'll be helping out a lot of other

hams, and it will make you feel good. I'll give you an example of a ham who steps up: Robby Lock, KG4PLK. He's our Young Ham of the Year, and a great ambassador to our hobby. Every month, he does his "usual stuff" for ham radio, and you've all heard him calling the Thursday night ARES Emergency practice net, more times than anyone can count. But you don't know how many times I get emails, asking if he can do more. Another example of a volunteer who does more than you might know is Michael Werner, KF4BOG. He is constantly on the move trying to help get Amateurs with "special needs" involved in our District. Chuck Lewis, N4NM is our District VOAD liaison. That's important, because VOAD coordinates the volunteer agencies during disasters. We need a few more hams to step up

HARC ACTIVITY CALENDAR FOR March, 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
25	26	27 ATV Net 2000 Check In 145.33	28 SE Linked Rptr Net 2000 +442.775/PL 203.5	1 EMERGENCY NET on 34/94 @ 1930 Skywarn Net on 147.24 @ 2000	2 HARC Meeting	3 *TWIAR CAVEC Exams 0900 at Red Cross bldg
4	5	6 ATV Net 2000 Check In 145.33	7 SE Linked Rptr Net 2000 +442.775/PL 203.5	8 EMERGENCY NET on 34/94 @ 1930 Skywarn Net on 147.24 @ 2000	9 HARC Meeting	10 *TWIAR
11	12	13 ATV Net 2000 Check In 145.33	14 SE Linked Rptr Net 2000 +442.775/PL 203.5	15 EMERGENCY NET on 34/94 @ 1930 Skywarn Net on 147.24 @ 2000	16 HARC Meeting Vox & Fox Hunt Activity	17 *TWIAR Athens Exam Session, 1300 at Athens EOC
18	19	20 ATV Net 2000 Check In 145.33	21 SE Linked Rptr Net 2000 +442.775/PL 203.5	22 EMERGENCY NET on 34/94 @ 1930 Skywarn Net on 147.24 @ 2000	23 HARC Meeting	24 *TWIAR
25	26	27 ATV Net 2000 Check In 145.33	28 SE Linked Rptr Net 2000 +442.775/PL 203.5	29 EMERGENCY NET on 34/94 @ 1930 Skywarn Net on 147.24 @ 2000	30 HARC Meeting Auction, bring all the goodies you want to sell - Be prepared to pick up goodies	31 *TWIAR
1	2	3 ATV Net 2000 Check In 145.33	4 SE Linked Rptr Net 2000 +442.775/PL 203.5	5 EMERGENCY NET on 34/94 @ 1930 Skywarn Net on 147.24 @ 2000	6 HARC Meeting	7 *TWIAR Cavec Exams, 0900 at Red Cross Bldg

*TWIAR -- This Week In Amateur Radio, +442.775 PL203.5 Hz 8 PM Every Saturday
 ATV Net @ 20:00, Check in on 145.33, Tuesdays
 Southeast Linked Repeater Net on +442.775, PL 203.5 Hz @ 20:00, Wednesdays
 Madison County Emergency Net on 34/94 @19:30, Thursdays
 SkyWarn Net on 147.24 @ 20:00, Thursdays

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Come see us next to Chili's!

and help out. Will you consider doing a little more? Send an email to any of the ARES guys/gals in the District and volunteer a few hours a month. Say hello to Jason Amos, KD4BJW, the new Marshall county EC — he'll be grateful for a few extra pairs of hands and eyes.

Did you know that Congressman "Bud" Cramer and Senator Richard Shelby both helped Amateur radio operators last month? When the FCC made an "inadvertent" error in the Omnibus Bill, and Pactor 3 mode was wiped out, which affected all the hams who use Winlink 2000, I wrote a letter to each of them. Bud Cramer was all over it! He appointed one of his staff members in Washington to work with the FCC to get the language changed so that we could use Winlink 2000 again. Thanks Sharon Cobb, Ph.D., for taking the time to help out hams! I have been in touch with Congressman Cramer in the past about our Amateur radio activities, and about emergency communications in the Tennessee Valley. Do you know that he was instrumental in getting our National Weather Service office re-opened? He is very responsive to his constituents,

and is an awesome Representative of US. He is very reachable, and supports our emergency communications capabilities. Senator Shelby also sent a letter to the FCC, requesting their help in fixing the problem with the Omnibus bill. I had this idea that ordinary people could not really get help from that level, and we were pretty much stuck taking whatever the Feds handed out. Now, I know that EMCOMM is appreciated at some very high levels, by some mighty nice folks!

I'm getting ready for the Spring outbreak — tornados. Please help your District by checking into the SKYWARN net during actual emergencies. It's also good to get some practice beforehand by checking into the local ARES practice nets. We have "some" HF capability at the NWS office. Our goal is to get them talking, via Winlink, to the Jackson MS office. Want to help out? Do you have HF privileges? Now that the code requirement is gone, you probably are thinking of upgrading, so here's a good reason to do it: you can help out our Served Agencies with Winlink! Move

lots of big messages fast — an EMCOMM dream!

H5N1 — what the heck is that? Marshall county found out! There was an exercise that simulated the "bird flu" pandemic that you've heard about on TV. Amateur radio operators were part of the exercise, and will be part of the response when it happens. Thanks to Anita McBurnett, the EMA Director, we were allowed to participate with the "big boys", and there were a lot of "lessons learned"! If you're interested in participating in exercises, let me know. There's another one coming up in a couple of weeks. Before the exercise, I was able to meet with Marshall County Commission Chairman, Mr. Billy Cannon. He's very much in favor of EMCOMM capability in Marshall County, and was a very cordial listener, and he was very willing to support ham radio. You'll find that a lot of high-level folks have heard about ham radio, but if you get a chance to sit down and talk to them, they are surprised at how sophisticated our communications methods are, compared to when they last heard about us. Do you know any public of-

ARRL Alabama Section Leadership Team.
Check www.arrl-al.org/officers.htm for address and phone info.

Section Manager: Greg Sarratt, W4OZK, w4ozk@arrl.org
 Affiliated Club Coordinator: Jeff L OBrien, KV4CX, jeffo@zebra.net
 Assistant Section Manager for Youth Activities, Rebekah A. Dorff, WG4Y, wg4y@arrl.net
 Bulletin Manager: William K, Hensley, WG8S, whensley11@comcast.net
 Alabama Frequency Coordinator - Liaison Alabama Repeater Council: Ron Shaffer, W4VM, w4vm@comcast.net
 Official Observer Coordinator: Ken Magnant, WA4WEY, kmagnant@att.net

Public Information Coordinator: James Spann, WO4W, wo4w@jamesspann.com
 Section Emergency Coordinator: Jay Isbell, KA4KUN, sec@arrl-al.net
 State Government Liaison: Richard D. Doll, KU4PY, ku4py@arrl.net
 Silent Key Coordinator: Doc Gordon King, W4XI
 Section Traffic Manager, Melinda F. Alsobrook, KI4CIA, ki4cia@arrl.net
 Technical Coordinator, Tim Winingar, KY5R, timky5r@direcway.com

ficials that we can contact about ham radio capabilities?

You may want to add FEMA IS-275 to your course-list. We'll all need it soon. (I'm hoping that you've already completed IS-100, IS-200, IS-700 and IS-800). We're looking for 1 or 2 more hams to train as Army MARS radio operators. If you heard the rumor that they're the best operators around, you know why we only train a couple at a time. It's not for everyone, and it's not particularly easy. I guarantee you that it's rewarding, and it will make you a great net control station during an emergency.

If you have suggestions on how we can become better "holistic emergency communicators", please let me know.

*73, Doug Hilton, AG4FL
 AL ARES District 6 EC
 ARRL, AL Section web site:
www.arrl-al.org*

ARES / RACES Update.

Severe weather season is upon us, although you would not expect it from all the cold weather we have been experiencing lately. I realize how odd it is for me to be complaining about it since I lived way North in Europe most of my life where it was much colder. But I guess the difference is that you expected it there and dressed for it, something you don't do here because a few hours later it may be "warm" again. but that is at the same time what makes our atmosphere so volatile.

As we heard at the Storm Spotter training last week (Thank You NWS: Tim Troutman) severe weather happens year round and any time of the day it just peaks in Spring and Fall. Time to check those radios, have the handheld's charged and have backup power. We had about 20 hams participate (you know who you are and kudos for your dedication!) and over 80

non hams. I had a chance to address the group and explain the benefits of ham radio when it comes to severe weather and handed out a brochure I wrote specifically for that purpose.

Coming up is a Pandemic Exercise (see articles) and I do hope we have some Madison county folks participate)

Before severe weather breaks out I hope to have completed www.MadisonCountyWeather.com where you can subscribe to automated pages and weather bulletins, in the mean time you can send me an email if you want to be added to the list. Please mention if you want the short (pager/cell) format or the long format.

We are still training and getting proficient in working with the HF Winlink features, but it will be a while before everybody is proficient on it. In the mean time we can start expanding the VHF network. Thank you Doug for alerting Rep. Cramer and keeping out Winlink features "legal"

We have some positions opening up at the RACES Group (Administrative coordinator and Training office) and even though we have already taken some nominees, if your are interested come to the joint ARES/Races meeting next month

The ARES/RACES group meets the 2nd Thursday of each month, just before this newsletter goes to press. You are always welcome to join or visit and consider membership. We meet at the EOC on Fountain circle at 6PM sharp. We usually have pizza, so you don't have to stop for dinner first. We require that you do a storm spotter training at least every 2 years and get trained in CERT as well as a few online FEMA courses, but we give you at least a year to complete it. So come on over and check us out. Volunteer work is very gratifying. For general informa-

tion checkout:
www.MadisonCountyAres.com

*73 de Rolf Goedhart Madison County
 Emergency Coordinator.
 K4RGG@arrl.net*

Pandemic exercise.

We are looking for operators who want to participate in an exercise on March 1, you will be reimbursed for mileage and HF and / or APRS is required. Please email our district 6 EC Doug AG4FL@ARRL.NET if you are interested. Partner up with a radio buddy that day and make it a fun and useful experience. For more details see Jay Isabell letter below:

On Thursday, March 1, two vehicles each from Madison, Mobile (or Baldwin), Houston, Jefferson, Montgomery and several counties surrounding Montgomery will meet at an undisclosed location in Montgomery and convoy to a secure staging area.

Each car will be equipped with 40 and 80 meter HF, UHF/VHF and APRS. When the vaccine convoys are dispatched back to their home counties, they will consist of an armed escort vehicle, the vaccine vehicle and the primary and secondary Ham vehicle. The secondary Ham vehicle is intended in case the primary vehicle becomes disabled. The convoy will not stop. Progress will be reported by radio along the route at various checkpoints.

The details will be disclosed at the staging area, and the State will pay state rate for mileage. A "Hold harmless" release will be signed by each participant. The drivers and communicators are required not to disclose the details of the pick-up or delivery points should they be used again in an actual event. The convoys are expected to leave Montgomery around 9:30am and the drill will conclude for each convoy when it arrives at its

home destination. Please put together your teams, and email me the names and contact information. I will be in touch in a few days.

We will have a couple of HF base stations operational to relay if propagation takes us long.

If you have questions, call me at 205-910-6446 73 and God Bless, Jay Isbell KA4KUN

Let's make Madison county shine and make sure that in a real emergency we DO get the supplies here, so I Do hope you will participate.

73 Rolf Goedhart, K4RGG Madison County Emergency Coordinator.

The Giggle Box

HAPPY BIRTHDAY TO EVERYBODY THAT WAS BORN IN MARCH!!

A note from Giggles: Hi guys! Brrrrr! As I write this, I hear them mention SNOW on the TV. I'm glad that winter is almost over. The flowers from the bulbs are peeking out of the ground and that's a sign that spring is not far away. It seems like we have had more snow than in years past. Hey, a dusting is still a dusting. I hoped that my granddaughters would see their first snow on the ground this year, but so far, it hasn't snowed where they are. I called them to let them know that we had snow here.

A few weeks ago, I went through the empty Berisford house and remembered the fond memories of Ed and Marg. I watched as they attempted to bring Ed Berisford's (WA4KMA-SK) tower down and realized it was the end of another era in my life. I'm glad that I was privileged to know them. They were fantastic people. They will be missed. CUL

A Joke or Two

KILLER BISCUITS WANTED FOR ATTEMPTED MURDER (the actual AP headline) Linda Burnett, 23, a resident of San Diego, was visiting her in-laws and while there went to a nearby supermarket to pick up some groceries. Several people noticed her sitting in her car with the windows rolled up and with her eyes closed, with both hands behind the back of her head. One customer who had been at the store for a while became concerned and walked over to the car. He noticed that Linda's eyes were now open, and she looked very strange. He asked her if she was okay, and Linda replied that she'd been shot in

the back of the head, and had been holding her brains in for over an hour. The man called the paramedics, who broke into the car because the doors were locked and Linda refused to remove her hands from her head. When they finally got in, they found that Linda had a wad of bread dough on the back of her head. A Pillsbury biscuit canister had exploded from the heat, making a loud noise that sounded like a gunshot, and the wad of dough hit her in the back of her head. When she reached back to find out what it was, she felt the dough and thought it was her brains. She initially passed out, but quickly recovered and tried to hold her brains in for over an hour until someone noticed and came to her aid. Linda is a blonde and a Democrat, but I'm certain that's irrelevant.

Short and Funny I dialed a number and got the following recording: "I am not available right now, but thank you for caring enough to call. I am making some changes in my life. Please leave a message after the beep. If I do not return your call, you are one of the changes."

I Owe It To My Mother My mother taught me TO APPRECIATE A JOB WELL DONE. "If you're going to kill each other, do it outside. I just finished cleaning."

Dentist? I recently read a story about an evangelist that many years ago would travel around and preach at different rural churches. On one Sunday morning when he arrived at this small country church, he discovered that he had left his false teeth at home and would have trouble delivering the sermon in his usual eloquent manner. It was about 30 minutes before time for him to preach and he was as nervous as a long tail cat in a roomful of rocking chairs. But the Chairman of the Board assured him that he could remedy the situation.

The Chairman, being well connected in town, made a phone call and in no time flat a well dressed man drove up carrying a black satchel. After the preacher and the man was introduced, the man made the statement that he hoped he had a suitable size. The evangelist tried on three or four sets of teeth before discovering one set was a perfect fit. An hour or so later the evangelist had delivered one of his finest sermons and all went to the dining hall for lunch. During the meal, the preacher turned to the Chairman and

complimented him on saving the day, sermon wise.

"I'm surprised that you have a dentist living in such a small town," he said.

The Board Chairman replied, "Oh, that man wasn't a dentist. He's the local undertaker."

DUCT TAPE OR NAILS. (I might get in trouble for this one, but I've been in trouble before.) A man died and went to heaven. Of course, St. Peter met him at the pearly gates where he tells the man, "Here's how it works. You need a hundred points to get into heaven. You tell me all the good things you've done, and I give a certain number of points for each item, depending on how good it was. When you reach 100 points, you get in."

"Okay," the man says, "I was married to the same woman for 50 years and never cheated on her, even in my heart."

St. Peter says, "That's wonderful. That's worth 3 points."

"Only 3 points!", he says and then continues, "Well, I attended church all my life and supported its ministry with my tithe and service."

"Terrific!", says St. Peter, "That's certainly worth a point."

"One point!?!?! I started a soup kitchen in my city and worked in a shelter for homeless veterans."

"Fantastic, that's good for two more points"

Exasperated, the man cries, "At this rate the only way I'll get into heaven is by the grace of God."

St. Peter says, "Bingo! 100 points! Come on in!"

We often try to fix problems with WD 40 and duct tape. God did it with nails.

The Hint for the Month of March Gardening Rule: When weeding, the best way to make sure you are removing a weed and not a valuable plant is to pull on it. If it comes out of the ground easily, it is a valuable plant.

Thought for the Month of March The difference between a successful person and others is not a lack of strength, not a lack of knowledge, but rather in a lack of will. - Vince Lombardi -

This month's puzzle: **HET SSEITA YAW OT DNIF GNIHTEMOS STLO**

**ADRNUO EHT USEOH SI OT UYB
A TENMECALPER**

73, Peggy Bell (Giggles) K4EGB
pbell@hiwaay.net
SEW LONG!

**Southeastern Division
Hamfests for March**

- February 24 Dalton, GA
- March 10 Port Charlotte, FL
- March 17 Marietta, GA
(Kennehoochee)
- March 17 Fort Walton Beach, FL
- March 17 Stuart, FL
- March 24 Plantation, FL
- March 31 New Port Richey, FL

**GENERAL CLASS ELEMENT
3 QUESTION POOL
BREAKDOWN**

- G1 Commission's Rules
Tom Duncan 3/2/07
- G1A Genral control operator
frequency privileges
- G1B Antenna structure limitations;
good engineering and good amateur
practice; beacon operations; restricted
operation; retransmitting radio signals
- G1C Transmitter power standards;
certification of external RF power
amplifiers; standards for certification
of external RF power amplifiers; HF
data emission standards
- G1D Examination element
preparation; examination
administration; temporary station
identification
- G1E Local control; repeater and
harmful interference definitions; third
party communications
- G1F Certification of external RF
power amplifiers; standards for
certification of external RF power
amplifiers; HF data emission standards
- G2 Operating Procedures
Tom Hatter 3/9/07
- G2A Phone Operating procedures
- G2B Operating Courtesy
- G2C Emerencies, including drills
and emergency communications
- G2D Amaeur auxiliary to the FCC's
Compliance and Information bureau;
antenna orientation to minimize
interference; HF operations, including
logging practices

- G2E Third-party communications;
ITU regions; VOX operation
- G2F CW operating procedures,
including procedural signals, Q signals
and common abbreviations; full
break-in; RTTY operating procedures,
including procedural signals and
common abbreviations and operating
procedures for other digital modes,
such as HF packet, AMTOR, PACTOR,
G-TOR, Clover and PSK31.

G3 Radio Wave Propagation

- Leigh Bartlow 3/16/07
- G3A Ionospheric disturbances;
sunspots and solar radiation
- G3B Maximum usable frequency;
propagation "hops"
- G3C Height of ionospheric regions;
critical angle and frequency; HF
scatter

- G4 Amaeur Radio Practices
Woody Zeigler 3/23/07
- G4A Two-tone test; electronic TR
switch; amplifier neutralization
- G4B Test equipment: oscilloscope; signal
tracer; antenna noise bridge;
monitoring oscilloscope; field-strength
meters
- G4C Audio rectification in
consumer electronics; RF ground
- G4D Speech processors; PEP
calculations; wire sizes and fuses
- G4E Common connectors used in
amateur stations; types; when to use;
fastening methods; precautions when
using; HF mobile radio installations;
emergency power systems; generators;
battery storage devices and charging
sources including solar; wind
generation

- G5 Electrical Principles
Tom Duncan 3/30/07
- G5 Impednce, including
matching; resistance, including ohm;
reactance; inductance; capacitance;
and metric divisions of these values
- G5B Decibel; Ohm's law; current
and voltage dividers; electrical power
calculations and series and parallel
components; transformers (either
voltage or impedance); since wave
root-mean-square (RMS) value

- G6 Circuit Components
Tom Hatter 4/6/07
- G6A Resistors; capacitors;
inductors; rectifiers and transistors;
etc.

G7 Practical Circuits

- Leigh Bartlow 4/13/07
- G7A Power supplies and
filters; single-sideband transmitters
and receivers
- G8 Signals and Emissions
Woody Zeigler 4/20/07
- G8A Signal information; AM; FM;
single and double sideband and
carrier; bandwidth; modulation
envelope; deviation; over-modulation
- G8B Frequency mixing;
multiplication; bandwidths; HF data
communications

- G9 Anennas and Feedlines
Tom Duncan 4/27/07
- G9A Yagi antennas - physical
dimension; impedance matching;
radiation patterns; directivity and
major lobes
- G9B Loop antennas - physical
dimensions; impedance matching;
radiation patterns; directivity and
major lobes
- G9C Random wire antennas -
physical dimensions; impedance
matching; radiation patterns;
directivity and major lobes; feed point
impedance of - wavelength dipole and
-wavelength vertical antennas
- G9D Popuar antenna
feedlines - characteristic impedance
and impedance matching; SWR
calculations

- G0 RF Safety
Tom Hatter 5/4/07
- G0A RF Safety Principles
- G0B RF Safety Rules and
Guidelines
- G0C Routine station evaluation and
measurements (FCC part 97 refers to
RF Radiation Evaluation)
- G0D Practical RF safety
applications
- G0E RF safety solutions



Jared



Steve



Paul



*Robby Sperr &
Youngest Member*



Robby Lock

The Editor's Wastebasket

Not much in the wastebasket this month. The photos on this page were supplied by Rolf, K4RGG and were taken at the meeting on January 19 when the topic on the table was transmitter hunts with tales of past hunts and tips on things to do and things to avoid. If you follow Frank's Theorem, the last few days have been perfect for doing outside antenna installation or improvements. Frank's Theorem states that the performance of an antenna system will be improved 6 db for every 5 degrees below 50 it is when the work is done.

They are predicting temps in the 'teens tomorrow, get out there and hang that high gain dipole!

73, Frank Emens, W4HFU