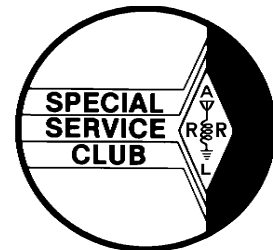




# FEEDBACK

MAY 2008



## COMMENTS

This month several articles on antennas are included. As Dan Romanchik, KB6NU, points out, it is spring and amateurs thoughts tend to turn to antennas. Most of the time we erect an antenna that is familiar to us: a vertical of some sort or another dipole of some shape. Occasionally, something else comes along and we check it out. This last month Jerry, W8FOK, came in with what at first appeared to be an ancient Egyptian racing chariot. OK, here's another antenna to play with.

Of all the devices that we as hams can play with, we tend to do more with antennas than with any other aspect of radio. Probably happens as a result of actually seeing something and having a general understanding on how it works.

Probably, another reason that we get involved with antennas is that nice SWR meter that we all have complete(?) understanding of its meaning. Most other gadgets we use tend to be harder to understand in what is being measured.

Remember when working with antennas, you never admit that the new one is not as good as the one it replaces, especially to other hams. And! The one time contact with that exotic foreign station proves how good the new one is. (Even though you can't get out of town with it on any other day.)

Yes it's springtime, so go forth and mount it as high and big as you can. Have a ball!

## GUEST SPEAKER

Mark Tomlonson, Chief Engineer Engineer for WMUK in Kalamazoo, has graciously accepted my invitation to present us with lecture on the workings of digital FM radio.

WMUK is the National Public Radio outlet at Western Michigan University. NPR has digital FM transmissions in many markets around the country including our area.

Ned WB4BKO

## MICHIGAN AMATEURS TEAM UP WITH STATE

ARRL Michigan Section Manager Dale Williams, WA8EFK, and Michigan SEC John McDonough, WB8RCR, have been working with the Homeland Security Division of the Michigan State Police Emergency Management office to align the capabilities of the Amateur Radio Public Service Corps (ARPSC) more closely with the communications needs of the state's public service agencies.

ARPSC -- Michigan's integrated ARES/RACES program -- also participates in the Michigan State Department Emergency Management Coordinators Quarterly meetings at the State EOC. It is here, Williams said, that discussion of the Public Safety communications grants are discussed and their investment justifications are detailed. "We have been afforded the opportunity to discuss Amateur Radio's involvement with communications interoperability, as well as our ability to fill gaps in disparate networks and outages. As a result of these conferences, I was asked to include a list of ARPSC's needs for the next three years."

To further that end, Williams said that they have been successful in incorporating the ARPSC program into the Michigan State Preparedness Priorities. Michigan intends to develop the ARPSC into a fully integrated communications team operating under common standards and procedures, including maintaining and enhancing the statewide Amateur Radio communications system; establishing suggested standards for Amateur Radio capabilities in local Emergency Operations Centers; and developing a public awareness and education program to bolster the ranks of Amateur Radio participants. The hope, Williams said, is to have all of this implemented by 2010.

Williams said, "Since the early 1980s, Michigan has operated an integrated ARES, RACES and NTS program referred to as the Michigan Amateur Radio Public Service Corps. By combining the forces of these normally separate structures, these valuable resources are pulled together to form an active trained and unified organization. The SEC also holds the positions of Section Traffic Manager and RACES Radio Officer. Membership in ARPSC is open to all amateurs and is structured to allow a beginning ham to progress from an entry-level position to a RACES-qualified operator by meeting specific training milestones."

"There is no doubt that by presenting a unified organization, the Michigan ARPSC has demonstrated the effective use of resources, training and our unique capabilities so that we have become a well respected public service organization in the state," Williams said.—  
ARRL Letter



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## DINNER

A man feared his wife wasn't hearing as well as she used to and he thought she might need a hearing aid. Not quite sure how to approach her, he called the family Doctor to discuss the problem.

The Doctor told him there is a simple informal test the husband could perform to give the Doctor a better idea about her hearing loss.

Here's what you do,' said the Doctor, 'stand about 40 feet away from her, and in a normal conversational speaking tone see if she hears you. If not, go to 30 feet, then 20 feet, and so on until you get a response.

That evening, the wife is in the kitchen cooking dinner, and he was in the den. He says to himself, 'I'm about 40 feet away, let's see what happens.' Then in a normal tone he asks, 'Honey, what's for dinner?'

No response.

So the husband moves closer to the kitchen, about 30 feet from his wife and repeats, 'Honey, what's for dinner?'

Still no response.

Next he moves into the dining room where he is about 20 feet from his wife and asks, 'Honey, what's for dinner?'

Again he gets no response.

So, he walks up to the kitchen door, about 10 feet away. 'Honey, what's for dinner?' Again there is no response.

So he walks right up behind her. 'Honey, what's for dinner?'

(I just love this)

'JOHN!, for the FIFTH freaking time, CHICKEN!'

## ECHOLINKS

Apparently the W8DF echolink host computer likes its new home at the repeater site. It ran perfectly the entire month. I guess that says a lot for today's technology, since the computer runs 24 hours a day.

W8DF had 418 connections during April. Of course, many of these were "hit and run" connections which I have not yet figured out. I am sure some are hams just fishing around and some are having problems learning echolink.

The W8DF 220 net on Monday evening has grown. Last Monday had nine check-ins, six through echolink. Don't have 220? No computer on echolink? Listen to the KB7YQY 440 repeater and you can check in the net!

Just ask Jack-N8LS.

The April echolink log book should be available on w8df.com. Take a look at it.

Don W8RVT

## SIMPLE WIDE BAND ANTENNAS

N4PGY came up with a 80/75 dipole that he says works the whole band. Buck started with a half-wave dipole cut for a bit above the 3.5 MHz bottom frequency so as to achieve a less than 1.5 SWR at 3.5 Mhz and then cut another dipole a little below 4.0 MHz so that it would show less than 1.5 at 4.0 MHz. He hung this one a little below the other with a common feedpoint.

Buck also cut dipoles for 75, 40 and 20, hanging them 4 inches apart. He says that the 75 dipole had very good bandwidth with the 40 covering the whole band.

A suggestion by another ham for the extra bandwidth antenna would be to cut two parallel and equal length wires, separate them by about .025 wavelengths then stagger them a small amount of about .053 wavelengths. You then connect them at the overall center with a short wire fed in the middle with 50 ohm balanced line. This looks interesting, but I expect that there would be a lot of fiddling to get it right.

WA8MFL

## ANTENNA EXPERT L. B. CEBIK, W4RNL (SK)

L. B. Cebik, W4RNL, ARRL Technical Advisor and antenna authority, passed away last week of natural causes. He was 68. An ARRL Life Member, Cebik was known to many hams for the numerous articles he wrote on antennas and antenna modeling. He had articles published in most of the US ham journals, including QST, QEX, NCJ, CQ, Communications Quarterly, Ham Radio, 73, QRP Quarterly, Radio-Electronics and QRP. Larry Wolfgang, WR1B, QEX Editor, called Cebik "probably the most widely published and often read author of Amateur Radio antenna articles ever to write on the subject."

Cebik lived in Knoxville, Tennessee and wrote more than a dozen books on antennas for both the beginner and the advanced student. Among his books are a basic tutorial in the use of NEC antenna modeling software and compilations of his many shorter pieces. A teacher for more than 30 years, Cebik was retired, but served as Professor Emeritus of philosophy at the University of Tennessee, Knoxville. Cebik served his country in the US Air Force from 1957-1961, specializing in air traffic control.

ARRL BULLETIN

# A CHILD'S BOOK REPORT ON THE ENTIRE BIBLE

Here is your chuckle for the day

## A Child's Book Report on the Entire Bible

A child was told to write a book report on the entire Bible. This is amazing. I wonder how often we take for granted that children understand what we are teaching??? Through the eyes of a child here is the Children's Bible in a Nutshell.

In the beginning, which occurred near the start, there was nothing but God, darkness, and some gas. The Bible says, 'The Lord thy God is one, but I think He must be a lot older than that. Anyway, God said, 'Give me a light!' and someone did. Then God made the world.

He split the Adam and made Eve. Adam and Eve were naked, but they weren't embarrassed because mirrors hadn't been invented yet. Adam and Eve disobeyed God by eating one bad apple, so they were driven from the Garden of Eden. Not sure what they were driven in though, because they didn't have cars.

Adam and Eve had a son, Cain, who hated his brother as long as he was Abel.

Pretty soon all of the early people died off, except for Methuselah, who lived to be like a million or something.

One of the next important people was Noah, who was a good guy, but one of his kids was kind of a Ham. Noah built a large boat and put his family and some animals on it. He asked some other people to join him, but they said they would have to take a rain check.

After Noah came Abraham, Isaac, and Jacob. Jacob was more famous than his brother, Esau, because Esau sold Jacob his birthmark in exchange for some pot roast. Jacob had a son named Joseph who wore a really loud sports coat.

Another important Bible guy is Moses, whose real name was Charlton Heston. Moses led the Israel Lights out of Egypt and away from the evil Pharaoh after God sent ten plagues on Pharaoh's people. These plagues included frogs, mice, lice, bowels, and no cable. God fed the Israel Lights every day with manicotti. Then he gave them His Top Ten Commandments. These include don't lie, cheat, smoke, dance, or covet your neighbor's stuff. Oh, yeah, I just thought of one more: Humor thy father and thy mother.

One of Moses' best helpers was Joshua who was the first Bible guy to use spies. Joshua fought the battle of Geritol and the fence fell over on the town.

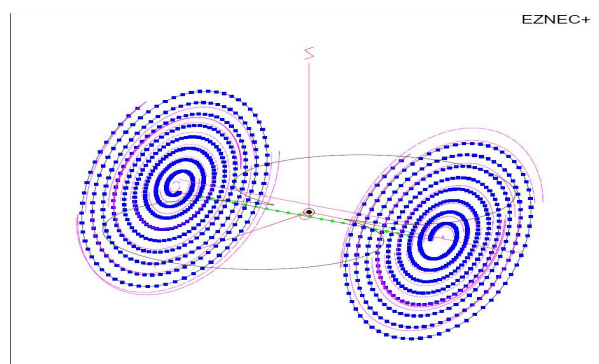
After Joshua came David. He got to be king by killing a giant with a slingshot. He had a son named Solomon who had about 300 wives and 500 porcupines. My teacher says he was wise, but that doesn't sound very wise to me.

After Solomon there were a bunch of major league prophets. One of these was Jonah, who was swallowed by a big whale and then barfed up on the shore. There were also some minor league prophets, but I guess we don't have to worry about them.

After the Old Testament came the New Testament. Jesus is the star of the New Testament. He was born in Bethlehem in a barn. (I wish I had been born in a barn, too, because my mom is always saying to me, 'Close the door! Were you born in a barn?' It would be nice to say yes. During His life, Jesus had many arguments with sinners like the Pharisees and the Democrats.

Jesus also had twelve opossums. The worst one was Judas Asparagus. Judas was so evil that they named a terrible vegetable after him.

Jesus was a great man. He healed many leopards and even preached to some Germans on the Mount. But the Republicans and all those guys put Jesus on trial before Pontius the Pilot. Pilot didn't stick up for Jesus. He just washed his hands instead. Any way's, Jesus died for our sins, then came back to life again. He went up to Heaven but will be back at the end of the Aluminum. His return is foretold in the book of Revolution..



## TAK-TENNA

An antenna that has caught much attention lately is the Tak-Tenna which is illustrated above as modeled in EZNEC, a program used to analyze the performance of antennas. Unfortunately, some of the results aren't quite up to the press releases.

One ham using a similar program on a 20 meter version of the antenna found that if the wire used was .5mm the output would be -26dbi, by using 12 mm wire the output rose to -13 dbi.

The antenna shouldn't be expected to rival a full sized dipole, but perhaps find a home in circumstances where size is important or concealment might be needed. It should be compared to other reduced size antennas.

Jerry, W8FOK, made one and demonstrated it at our April club meeting. It was made by winding each half of a dipole into a spiral.

The frequently expressed opinion is that the "wheels" act as a capacity hat and the feedline does the radiation. It might be interesting to put a choke on the feedline to check on this.

## IT'S ANTENNA TIME

By Dan Romanchik, KB6NU

Here in Michigan, the daffodils are blooming and the birds are singing. That means only one thing--it's antenna time! Since my lot is a city lot and not really suited to towers, I mostly play around with wire antennas. Currently, I have a random wire for 80m, a wire ground plane for 20m, and a 40m/30m "fan dipole" that also loads up on 15m and 10m. This year, I want to experiment with two new wire antennas--a horizontal loop and Windom antenna.

The "Loop Skywire"

The concepts behind the full-wave loop antenna have been known for many years, but the antenna has become more popular after the publication of the article, "The Loop Skywire" in the November 1985 issue of QST. This article is available as a PDF from the ARRL website, if you are a member (<http://www.arrl.org/members-only/tis/info/pdf/8511020.pdf>). A lot more information is available on Internet. Just Google "loop skywire," and you'll find hundreds of references.

Basically, the antenna is a full-wave loop of wire for the lowest band that you wish to operate. For 80m, that would be about 272 feet. For 40m, the length will be 136 feet.

Ideally, you'd like to set up the loop so that the area inside the loop is at its maximum. This occurs when the loop is a circle. Unfortunately, that's usually impractical. From a practical point of view, most guys shoot for a square configuration using four supports.

Another consideration is how to feed the antenna. The Loop Skywire article calls for a coax feedline, but the practice these days seems to favor ladder line. The reason for this is that the SWR on bands higher in frequency than the band for which the antenna was cut can be quite high. Coax is quite lossy when the SWR is high, but that's not the case with ladder line.

How does it perform? Well, it's been my experience that guys with loop antennas often have the strongest signals here at KB6NU. And they seem to get through even when band conditions are poor. Guys who use them also report that they are great DX antennas as well. So, all things considered, it sounds like it's worth a shot.

The Windom Antenna

The Windom antenna is an antenna that I've just become familiar with. It's intriguing because, like the loop antenna, it is also a multi-band antenna.

The Windom is a half-wavelength antenna, but instead of feeding the antenna in the middle as you would a dipole antenna, you feed it about 1/3 of the way from one of the ends. At this point, the feedpoint impedance is about 200 ohms. With a 4:1 balun, you can feed it with 50-ohm coax.

The interesting thing about this antenna is that the feedpoint impedance is 200 ohms not only on the fundamental frequency, but it's close to 200 ohms on all harmonics of that frequency. So an antenna cut for 40m, will also have a feedpoint impedance close to 200 ohms on 20m, 15m, and 10m.

You do need a 4:1 balun for this antenna to operate properly. Fortunately, these are not difficult to make. I made one a couple of years ago, just for fun (<http://kb6nu.com/even-more-fun-with-baluns/>). Now, I have an application for it!

There's all kinds of information on the Net about the Windom antenna as well. One of the Web pages I found most useful was written by W8JI ([http://www.w8ji.com/windom\\_off\\_center\\_fed.htm](http://www.w8ji.com/windom_off_center_fed.htm)).

I certainly have my hands full this antenna season. Whatever you decide to put up, remember to be safe.

(When Dan isn't thinking about antennas, he's operating CW on the HF bands or teaching ham radio classes. He's just published a printed version of his No-Nonsense Tech Class Study Guide. See his blog, [www.kb6nu.com](http://www.kb6nu.com), for more details.)

## MORE ON BATTERIES

Is storing batteries in the freezer or refrig a smart move?

Maybe -- Alkaline stored at room temperature loss a charge of about 2% a year. Doesn't seem as if keeping them cool is helpful. At 85 degrees the loss rate goes up to about 5% a year. Michigan averages much less than that over the year. Still no profit. Even at a 100 degrees the loss is only 25% a year.

How about other constructions of batteries? NiCD and NiMH batteries at room temperatures (about 70 degrees) will lose their charge at a much faster rate—several percent a day! Here it is smart to store them at lower temperatures. NiMH cells will contain 90% of their charge for a month when stored at freezing temperatures. Just give them a little time to come up to temperature before using them. Even if you don't freeze them, keep them in a cool place.

Normally quick charging NiMH cells will reduce their life, however, there are some batteries that are designed for fast charging, but only with the proper charger. It should be specifically designed for NiMH rapid charge.

Another bad idea is to leave the batteries on a overnite charger. Get a smart charger and extend the life of the cells.

A battery with a capacity of 2,800 mAh can deliver a current of 2,800 mA for an hour. But, there's a catch. If the battery is a NiMH or NiCD, it'll probably deliver its rated capacity under continual use. An Alkaline cell won't do too well under a constant load of a high drain electronic device. On the other hand, the alkaline will do very well under more limited use such as a flashlight. If we use these cells in a digital camera, a NiCD or NiMH of rated capacity of 1800 mAH will take many more photos than an alkaline cell rated at 2800 mAh.

The choice of what kind of cell to use depends on the usage. If the flashlight is going to be sitting around for days or weeks between uses, the alkaline cell will best as it will deliver after long storage and the NiCD or NiMH fade away too fast for such use. On the other hand, don't use alkalines in a digital camera or portable music players where there is a constant high drain.

Source: all-battery.com  
Marion WA8MFL

## The Yuppie & the Cowboy

A cowboy named Bud was overseeing his herd in a remote mountainous pasture in California when suddenly a brand-new BMW advanced out of a dust cloud towards him.

The driver, a young man in a Brioni suit, Gucci shoes, RayBan sunglasses and YSL tie, leans out the window and asks the cowboy, 'If I tell you exactly how many cows and calves you have in your herd, will you give me a calf?'

Bud looks at the man, obviously a yuppie, then looks at his peacefully grazing herd and calmly answers, 'Sure, Why not?'

The yuppie parks his car, whips out his Dell notebook computer, connects it to his Cingular RAZR V3 cell phone, and surfs to a NASA page on the Internet, where he calls up a GPS satellite to get an exact fix on his location which he then feeds to another NASA satellite that scans the area in an ultra-high-resolution page.

The young man then opens the digital photo in Adobe Photoshop and exports it to an image processing facility in Hamburg, Germany. Within seconds, he receives an email on his Palm Pilot that the image has been processed and the data stored.

He then accesses a MS-SQL database through an ODBC connected Excel spreadsheet with email on his Blackberry and, after a few minutes, receives a response.

Finally, he prints out a full-color, 150-page report on his hi-tech, miniaturized HP LaserJet printer and finally turns to the cowboy and says, 'You have exactly 1,586 cows and calves.'

'That's right. Well, I guess you can take one of my calves,' says Bud.

He watches the young man select one of the animals and looks on amused as the young man stuffs it into the trunk of his car.

Then Bud says to the young man, 'Hey, if I can tell you exactly what your business is, will you give me back my animal?'

The young man thinks about it for a second and then says, 'Okay, why not?'

'You're a Congressman for the U.S. Government', says Bud.

'Wow! That 's correct,' says the yuppie, 'but how did you guess that?'

'No guessing required.' answered the cowboy. 'You showed up here even though nobody called you; you want to get paid for an answer I already knew, to a question I never asked. You tried to show me how much smarter than me you are; and you don't know a thing about cows...this is a herd of sheep . . . Now give me back my dog.'

## ENGINEERING SOLUTION

A pastor, a doctor and an engineer were waiting one morning for a particularly slow group of golfers. The engineer fumed, "What's with these guys? We must have been waiting for 15 minutes!" The doctor chimed in, "I don't know, but I have never seen such ineptitude!" The pastor said, "Hey here comes the greens keeper. Let's have a word with him."

"Hi George. Say, what's with that group ahead of us? They're rather slow, aren't they?"

The greens keeper replied, "Oh, yes, that's a group of firefighters who lost their sight saving our clubhouse from a fire last year, so we always let them play for free anytime. The group was silent for a moment...."

The pastor said, "That's so sad. I think I will say a special prayer for them tonight."

The doctor said, "Good idea. And I'm going to contact my ophthalmologist buddy and see if there is anything he can do for them."

The engineer said, "Why can't these guys play at night?"

## ITTY BITTY ENGINE

SCIENTISTS have built the smallest petrol engine - tiny enough to power a WATCH. The mini-motor, which runs for two years on a single squirt of lighter fuel, is set to revolutionize world technology. It produces 700 times more energy than a conventional battery despite being less than a centimetre long - not even half an inch. It could be used to operate laptops and mobile phones for months on end - doing away with the need for recharging.

Experts believe it could be phasing out batteries in such items within just six years.

The engine, minute enough to be balanced on a fingertip, has been produced by engineers at the University of Birmingham. Dr Kyle Jiang, lead investigator from the Department of Mechanical Engineering, said: "We are looking at an industrial revolution happening in peoples' pockets."

"The breakthrough is an enormous step forward. Devices which need recharging or new batteries are a problem but in six years will be a thing of the past."

Other applications for the engine could include medical and military uses, such as running heart pacemakers or mini reconnaissance robots. At present, charging an ordinary battery to deliver one unit of energy involves putting 2,000 units into it.

The little engine, because energy is produced locally, is far more effective. One of the main problems faced by engineers who have tried to produce micro motors in the past has been the levels of heat produced. The engines got so hot they burned themselves out and could not be reused. The Birmingham team overcame this by using heat-resistant materials such as ceramic and silicon carbide.

Professor Graham Davies, head of the university's engineering school, said: "We've brought together all the engineering disciplines, both materials, chemical engineering, civil engineering, and mechanical engineering. "What better place to have the second industrial revolution - in nano-technology - than where the first took place, in the heart of the West Midlands."

From Scientific American web site.

## ARES / RACES Report for APRIL in Calhoun County

### RACES / Skywarn Nets and Training

4 Skywarn Training Nets 1hr each @ 76 People = 76hrs  
2 Skywarn Training Seminars 4hrs @ 20 People = 80hrs  
2hrs @ 5 People = 10hrs  
1 Damage Assessment Training Seminar 2hrs @ 8 People = 16hrs  
**Total NETS and Training Seminars, 109 People =182hrs**

### Public Service Events

1 MARCH of DIMES, March, 5hrs @ 15 People = 75hrs  
1 Warning Siren Tests, 1.5hrs @ 15 People = 23hrs  
**Total Public Service Events, 30 People = 98hrs**

### Emergency Operations

1 Thunder Storm Warning Net, Total 3hrs @ **22 People = 66hrs**

**Administration Hours, Total for APRIL** **Total = 50hrs**

**Travel Hours for APRIL** **9hrs**

**Total Hours for APRIL** **405hrs**

**Expenses- Out of Pocket** **Total = \$120.00**

**Travel Miles for April** **150 Miles**

**Members** **34**

Dave Smith  
KC8COT  
E-12  
City of Battle Creek and Calhoun County  
RACES, Emergency Coordinator

This is hilarious!!!

Thank GOD for little girls!

When I was a baby, someone had given me a little 'tea set' as a gift and it was one of my favorite toys.

Daddy was in the living room engrossed in the evening news when I brought Daddy a little cup of 'tea,' which was just water. After several cups of tea and lots of praise for such yummy tea, my Mom came home.

My Dad made her wait in the living room to watch his little princess brings him a cup of tea, because it was, "just the cutest thing!"

My Mom waited, and sure enough, here I come down the hall with a cup of tea for Daddy and she watches him drink it up.

Then Mom says "Did it ever occur to you that the only place that she can reach to get water is the toilet???"

## **HAMFEST CALENDAR**

May 16-18 Dayton OH  
Dayton Hamfest by DARA at the Hara  
Arena Httm://www.hamvention.org

Jun 1 Chelsea MI  
Chelsea Swap - 8 AM at Chelsea Fairgrounds—Sellers at 6 AM. Exit 159 from I-94 north to Fairgrounds - Admission \$5 at the gate; talk-in on 145.45 repeater. Trunk Sale space \$5 www.wdiel.net

Jun 7 Hudsonville MI  
"Good Old Days Hamfest" 8 AM Hudsonville Fairgrounds - 5235 Park Ave. Admission \$6 at the gate; talk-in on 147.16 repeater. Sellers tables FREE www.w8hvg.org

Paul WD8JOM

*The stoplight on the corner  
buzzes when it's safe  
to cross the street. I was crossing with a  
coworker of mine when she asked  
if I knew what the buzzer was for.  
I explained that it  
signals blind people when the light is red.  
Appalled, she responded,  
" What on earth are blind people doing driving?!"*

## **FOR SALE**

ZENITH TRANSOCEANIC RADIO

(It works)

Make offer Don ?

Cell 2694707123

Home 269 764 2547

## SMARS Meeting

April 17, 2008

Called to Order: 7:04pm

Officers Present: Rene KC8SLI, Ned WB4BKO, Bill KD8CDS, John KC8WMM

Secretary's Report: As published in Feedback, approved

Treasurer's Report: As published in Feedback, approved

Presentation: Rita .from AT&T gave a presentation on digital communication

Committee Reports:

RACES: no report

Hamfest: thanks from Bob to all helpers

PIO: license classes start Friday 4/29, Classes cost \$25 and include books. Lou still needs instructors and both Tech and General licenses will be covered.

Field Day: Bob will be chairman. BC airport has been secured. Setup at 3pm on Friday 6/27. Bob needs band captains and operators.

VE Testing: Lou has discussed holding a special VE Test at the conclusion of the license classes.

Old Business:

Trailer: under budget, using cabinets and countertops from shop in Union City. Most work done, will be complete in a week or two.

Operation Pine Tree: details still being worked out, but will be from 9am most likely on 80m. A few clubs from around the state have indicated they will participate.

Michigan QSO Party: will be held April 19-20.

New Business:

Don W8RVT demonstrated his new mouserophone (sp?) and played a clip from Leno showing the superiority of morse code over text messaging.

Jerry W8FOK displayed an antenna design, the TaK-Antenna.

Drawing: won by W8USU

Meeting Adjourned: 8:45pm

Respectfully Submitted,  
John Davidson KC8WMM  
SMARS Secretary

## Board Meeting

May 1, 2008

Called To Order: 7:06pm

Officers Present: Bill KD8CDS, Rene KC8SLI, Ned WB4BKO, John KC8WMM, Lou WB8WXS

Others Present: Russ N8UU, Marion WA8MFL, Stephanie W8AEZ, Bob KC8PRL, Dave KC8NZY

Trailer: Dave reported much of work done. Lighting and layout were discussed.

Field Day: Bob discussed ways of getting more points. No word yet if the city's emergency bus will be used on Field Day. Bob will pass out sign-up sheets for operators and loggers. Current plan is to use all 3 trailers. Help will be needed for setup and teardown.

Operation Pine Tree: still no word on how this is to work. Frequencies used are still being decided. Most of the clubs contacted by Bill do not plan to participate. SMARS will setup at Marshall Airport and do what we can.

License Class: 5 new and 2 upgrade students. First class held on 4/29.

Hamfest: one of the prizes has not been claimed, despite numerous efforts to contact the winner. Board decided to use antenna as a prize at the Christmas dinner, in addition to prizes already discussed. All bills now paid except the janitorial bill. When that's paid, Rene will report on this year's profits.

Budget: Marion brought up that SMARS needs to have a budget. Rene is already working on some rough figures and will present these when voting season is over.

Meeting Adjourned: 8:15pm

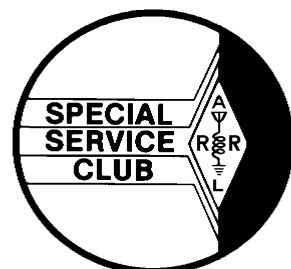
Respectfully Submitted,  
John Davidson KC8WMM  
SMARS Secretary

SOUTHERN MICHIGAN AMATEUR RADIO SOCIETY

# FEEDBACK



MAY 2008



SMARS  
P.O. BOX 934  
BATTLE CREEK MI 49016

**FIRST CLASS MAIL**



## SMARS NETS

Before Lunch Bunch  
Monday-Friday 11:30 A.M.  
146.66  
Sunday Evening 8:00 P.M.  
146.66  
Monday 7:30 P.M.  
224.24  
Wednesday 7:00 P.M.  
443.95  
Wednesday 8:00 P.M.  
28.365  
Saturday 8:00 P.M.  
443.95

ARES/RACES/SKYWARN.NET  
Monday 7:00 P.M. 147.12

## ACTIVITY CALENDAR

HAMFEST DAYTON MAY 16-18  
THIS MONTH SMARS CLUB MEETING MAY 15  
HAMFEST CHELSEA JUN 1  
SMARS BOARD JUN 5  
SMARS BREAKFAST JUN 7  
HAMFEST HUDSONVILLE JUN 7  
B4LUNCH BUNCH LUNCH JUN 12  
NEXT MONTH SMARS CLUB MEETING JUN 19