



U.S.E.C.A. EXPRESS



Awarded as "EXCELLENT" and "SUPERIOR"

UTICA SHELBY EMERGENCY COMMUNICATION ASSOCIATION, INC.

Volume 13, Number 6, June 1997

TRASH-FOR-CASH ☺ FIELD DAY

TRASH -4 -CASH

June 8

*You are cordially invited
To attend and participate at
USECA's Annual
Field Day Event*

June 28 and 29, 1997

Romeo, Michigan

Food and Drink will be available

Please bring a dish to pass

Plenty of parking

Information & Talk-in

on 147.180 MHz



(810) 268-6730

FIELD DAY '97

Scott, KG8IE

IT IS GOING TO BE June soon. Pre-field day went off with-out a hitch and all there had a good time as far as I could tell. But now is the time to start your final preparations for field day, whether it is finishing your antenna or finding a tent to put your radio in, now is the time to do it.

Just a reminder to those that are station chairs or co-chairs try to find some tent stake nails to hold down your coax between your antenna and the tent.

I still need two station chairs, one for 220, I have a radio and antenna, and 2 meter CW this station also has a radio and antenna.

Our Novice/Tech. station needs a radio and lots of help—Jerry(KB8TAS) has stepped in to fill that station for us but has nothing for H.F. If we are unable to fill these gaps before field-day, our field day will be missing out on a lot more than just points!

I am trying to make our field day more enjoyable for everybody—many have children, myself included, will be able to make use of the children's activity area to give us parents a little freedom from watching that they stay out of the areas that they do not belong.

We have the biggest field-day in our area and the biggest QRP field-day in the U.S.—that is not by accident, we have all busted our butts to get there—let's not get complacent and nonchalant about it!

—Continued on Page 10

FOX HUNT

June 10

NEXT MEETING — September 9

CLUB DIRECTORY

BOARD OF DIRECTORS

President	Dennis Gaboury/KB8YYC, (810) 465-7126
Vice President	Dave Martin/W8VB, (810) 826-9783
Recording Secretary	Debbi Cokewell/KB8YYB, (810) 263-0227
Treasurer	Jim Mickle/N8OKW, (810) 739-6565
Membership Secretary	Mark Milby/KI8CB, (810) 293-3603
Past President	Floyd Soo/W8RO, (810) 391-6660

ELECTED BOARD MEMBERS

Ann Manor/KG8IF, (810) 751-3893
Nancy Carr/KB8QMS, (810) 749-3383
Marianne Mickle/N8TMJ, (810) 739-6565

COMMITTEES

Activities Chair	Betty/N8LXL
ARRL Liaison	Dave/W8VB
Awards Manager	Ken/KF8RG
Door Prizes	Dina/N8YJI
Editor	Joe/K8OEF, (810) 781-0050
Field Day Chair	Scott/KG8IE, (810) 978-1203
Health & Welfare	Kathy/N8VOH, (810) 752-7818 & John/N8FNO
Historians	Jerry/K8CFY; Ann/KG8IF & Joe/WD8MFN
Mailers/Sorters	Ann/KG8IF; Phil/W8IC; & Crew
Net Manager	Bill/K8WI
Photographer	Richard/K8QLM
Program Director	—OPEN—(Interim:Floyd/W8RO)
Public Relations Officer	Ken/KF8RG
Refreshments	Phil/W8IC, Dave/KC8FCR; Rick/N2XBE & Marianne/N8TMJ
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Swap & Shop	Chris/KC8EZU, (810) 987-6540
Technical Director	Doug/N8KND
Trash-For-Cash	Gary/KC8CXB (810) 468-3925

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Doug/K8DK	Floyd/W8RO	Dennis/KB8YYC
Earl/N8OEX	Bill/N8SA	Chuck/WA8Z
Nancy/KB8QMS	Gulliver/WA8VIJ	

PROGRAMMERS

N8FOW	WB8H	N8KND	N8SA	WA8Z
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VOLUNTEER EXAMINERS

AA8CY	AA8HF	WY8M	KG8QT	N8SA
WB8E	KG8IE	KA8NDY	KF8RG	W8VB
K8EN	WX3L	N8OEF	W8RO	K8WI

SILENT KEYS

Len Czapiewski/K8DHH	Rick Parady/KB8KLW
Art Sheff/WD8EGV	John Moore/KA8KTV
Joe Lucido/NU8F	John Palmer/WD8LBH
Charles Smith/N8FWF	John Pizzuti/WB8NHT
Clarence Ringo/W8HQO	Velma Ragon/N8YVC
Joe Steel/KA8IZM	

f= Founder	c= Charter	h= Hon. Charter
N8AWV h	N8HCT f c	WB8OSF h
KA8BDG c	KA8IZM f c SK	K8QLM f c
N8BK h	KA8KTV f c SK	WB8QNI c
N8FDN c	G. Manquardt h	KA8VYV h
N8FNO f c	WD8MFN f c	WA8VZZ c
J. Haubner c	WD8NHT f c	

The Editor is:

Still Going

Joe, K8OEF

Oops! In last month's *Express*, the author of "Pre-Field Day" was Ann, KG8IF, not KG8IFE.

What's new? The Trash-For-Cash committee will arrange to come to your home and pick up any item you want to donate to this worthy cause. There are now five openings for the 2-meter nets. The Control Operator listing has been updated.

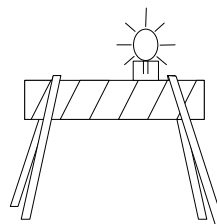
Have a great, safe, and fun-filled summer.

73 for now.



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The Salvation Army is undergoing major repairs. Check first before planning any time there.

*Ken's Kozy Korner***JUNE RAMBLIN'S***Ken, KF8RG*

ONCE AGAIN, it's that time of year—Field Day is almost upon us (only weeks away now!). Are you prepared? Are you psyched up? Can we make the "Top Ten" once again? Will the weather cooperate once more this year? Will the bands be open? This is USECA's premier event of the year—come on out, bring a friend, and get the answers to these questions and more at **USECA's FIELD DAY!**

During the week or so prior to Field Day, help will be needed in cutting the field at Jim's place and general preparations on site. Monitor the repeater for calls for volunteers. Friday, June 27th, is set up day—we'll need plenty of help setting up the kitchen and tents, hookin' up power and water, and getting most of the last minute things done. Friday night starting about 8 pm. Join in the fun with our own all-Ham Rock Band, "QRM," as we rock into USECA's 1997 Field Day weekend. Bring your own "*adult beverages*" and party till midnight!

Field Day Station Chairs: If your field day station is not **FULLY** prepared by now, you'd better get serious. Be sure to have plans for a replacement rig (you never know when one will lose it's "Magic Smoke"), a backup antenna, and a way to get all your gear to the Field Day site and set up. Reconfirm those generous offers of assistance made months ago. Check out your tower or other antenna support now to save frustration and delays on-site later. Since we're operating on batteries, be sure to have *several* available, *fully* charged and watered, rigged for easy transport (handles!). (RV or "deep cycle" batteries are preferred. Gel cells and garden tractor batteries will not last!) Be sure you have operators lined up for round the clock operation—this is a contest and every point counts!

Field Day Attendees: Remember the rules!

NO GLASS at the Field Day site! Broken glass anywhere on Jim's (N8MCD) property can CRIPPLE or MAIM his animals. I doubt he'd be very receptive to our using his farm again in the future if that was to happen. If you see someone with glass containers, STOP them and ask them to leave 'em in their car! Bring your beverages in cans or in kegs (Arpad style!).

CHILDREN—keep 'em on a short leash! We've had some very near misses with expensive gear in the past. USECA's Field Days have always been a family affair, but keep in mind that a field full of towers, steel stakes, trip hazards, and wires is a hardly an ideal playground for your child. Keep 'em out of the barn!—although the animals are cute, they DO bite.

THE BARN, the **HOUSE**, and **PHONE** are *OFF LIMITS* except for those with Jim's *explicit* permission. Keep in mind this is his home and property, not USECA's. Use the Porta-Johns provided by the club in the field.

VEHICLES—please, *NO DRIVING IN THE STATION AREA!* Any rain at all can quickly turn the field into a

quagmire when mixed with vehicles driving around. Keeping traffic out of the station area greatly enhances the safety of our Field Day as well. Parking will be provided in front and to the side of Jim's house. Please be considerate of others and park in such a way as to allow other cars to move if necessary. If you park on Powell Road you risk a ticket.

FIRES—*NO OPEN FIRES* allowed. Please be very careful with lanterns, torches, and candles. We've had a couple of close calls in this category as well. **KEEP A FIRE EXTINGUISHER HANDY!**

Sadly, once again, we bid the "*Express*" farewell as it goes on vacation for the summer, to return in September. The club owes Joe (K8OEF) a round of applause for the fantastic job he does with our newsletter. Tune into USECA's nets and keep an ear to the repeater for info on summer activities.

USECA's, definitely not of the sort to let chill winds and cloudy skies interfere, turned out in force once again for "Pre-Field Day" at Winter Cove picnic site in Stony Creek Metropark. Two HF rigs (if you didn't count several in the cars attending), a Ten-Tec Scout (c/o KB8YYC) and a Yaesu 757 (c/o K18CB), were set up inside the pavilion using a vertical antenna and a Fan Dipole (40/80) and battery power. Out in the wind and cold, an all-mode 6 meter station was also operated into a ladder line fed Curtain Array as well as a homebrew "Ringo Ranger." While numerous stations were worked on HF, much to my disappointment the 6 meter station remained silent during the time I monitored it. As always, Earl (N8OEX) was on hand to act as chef, cookin' up a storm of tube steaks and hamburgers while the lovely ladies of USECA put on their usual sumptuous pass-a-dish feast. We did have a few visitors from outside the club—evidently the Free Press ran an article, minus the "*bring a dish to pass*" wording I had sent them, and instead wrote "*Free food & drink*"; I'm only surprised that 1/2 the metro ham population didn't turn out! If you didn't make it to Pre Field Day, you missed a good time—Kites flyin' (and crashin'), an RC boat racing, a visit from local geese and a swan, some fishin', and of course, our typical unsinkable USECA comradery!

Awards: A number of people have already earned enough netpoints to be eligible for awards. By the looks of things now, 1997 is gonna' be a banner year for the awards program. The first 1997 Net Awards will be made at September's general membership meeting. A message will be left on the repeater's DVR (MailBox) as to who should attend to receive an award.

73 . . . KF8RG signing out for now. CU AGN in September's "*Express*".

P.S.: Notices were sent out announcing Pre-Field Day and Field Day to several local papers (Macomb Daily, Oakland Press, Detroit Free Press/News, Shelby-Utica News, Tech Center News, and The Source/Advisor papers). Please inform me if you see anything in these papers so I can thank them.

Why Join An Organization?

- You don't buy a newspaper—you buy news.
- You don't buy glasses—you buy vision.
- You don't buy awnings—you buy shade.
- You don't buy a mattress—you buy comfort.
- You don't buy a lamp—you buy light.
- You don't buy membership in an organization—you buy cooperation with people to accomplish goals you cannot do alone.

—Submitted by Marianne, N8TMJ



June Contest Corral

(from the pages of QST)

- 14 Asia-Pacific SSB Sprint
- 14-16 **ARRL VHF QSO Party** (6 & 2 meters)
(No-Coders: try 2 mtr simplex for DX!)
- 21-22 All Asian CW DX Contest
- 28-29 **ARRL Field Day**
(One of USECA's *Premier* Events! Bring a freind along and join us!)

Got some thoughts on an ARRL Contest? Send 'em to QST at 225 Main St., Newington, CT 06111 and maybe you'll see *your* call in a QST article!

—Submitted by Ken, KF8RG

"THE HAPPENIN' CLUB"

CLUB ACTIVITIES

MONTH	DATE	TIME	EVENT
JUN	8		Trash-For-Cash (Alternate 6/22)
JUN	10	7:30 pm	General Meeting/Fox Hunt
JUN	13-15		Campout—Frankenmuth
JUN	27-29		Campout—Field Day
JUN	28-29		Field Day
JUL	3-6		Campout—Lakeport*
JUL	18-20		Campout—Algonac (Xmas)*
AUG	3	12:00 pm	Picnic—Port Huron
AUG	8-17		Campout—Tawas Point*
SEP	1		Romeo Peach Festival Parade
SEP	9	7:30 pm	General Meeting
OCT	14	7:30 pm	General Meeting
OCT	26		Swap & Shop
NOV	11	7:30 pm	General Meeting
DEC	9	7:30 pm	General Meeting
DEC	13		10th Annual Christmas Party

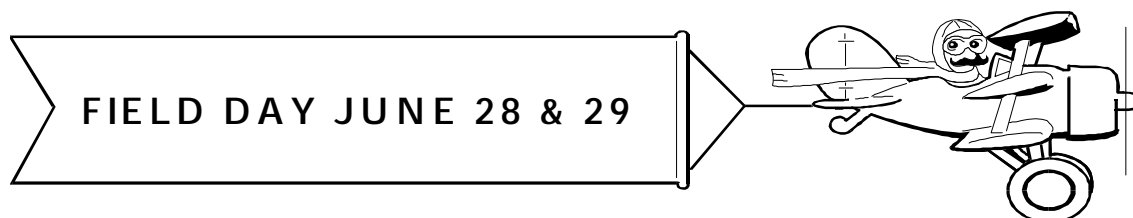
*Group # 255868

CAMPOUT NOTES: Frankenmuth—Listen to the nets for more details. To make reservations, call 1-800-44PARKS. The parks are filling up fast—call ASAP for your reservations.

Any questions, call Dina, N8YJI (810) 777-4207.

UPDATED 1997 NET POINT SYSTEM

- ✓1) HF CW NCO = 4 points, HF SSB NCO = 3 points, VHF NCO = 3 points, HF CW/SSB check-in = 2 points, VHF check-in = 1 point. (NOTE: Check-ins *must* do so personally, proxy check-ins are not legitimate. "In & Out" check-ins, while allowed, are discouraged.)
- ✓2) Awards are earned for 50 points and multiples thereof; plaques for the highest annual scores, HF and VHF. Awards are meant to encourage participation and are open to all.
- ✓3) Net logs must be readable and include the CALLS and NAMES of check-ins, and denote NCO, DATE, and MODE.
- ✓4) NCO's: forward net log gets to the Awards Manager within 30 days; logs received later will not earn the bonus points normally awarded a NCO. MAIL logs to: 53762 Kristin Ct., Shelby Twp., MI 48316, c/o KF8RG, via packet to KF8RG-1 (145.03 MHz) or KF8RG @ KB8VK's BBS or catch me on the air to pass your list.
- ✓5) If you notice any mistakes, wrong or changed call signs, names misspelled, etc., let Ken know ASAP.



Detroit FDAer Calls His Radio Hobby 'A Life-Changing Event'

Gary Dzidowski has high praise for the day he took up amateur radio as a hobby.

"It was the single most life-changing event for me short of marriage," he says.

Dzidowski, 46, a biologist in FDA's Detroit district office, has been a licensed amateur radio operator, or "ham," for about six years. He says the ham community, which includes about 650,000 licensed radio operators just in the United States, is friendly, fun-loving and civic minded. Hams are linked by radio to a massive social network of more than 2 million fellow hams worldwide. But they also give much time to public service and helping with communications in emergencies.

For example, Dzidowski belongs to Skywarn, a group of hams trained by the National Weather Service to spot tornadoes and observe other weather events such as hurricanes and floods. Because ham radio gear is reliable and highly portable, operators can give up-to-the-minute reports to the weather service and can alert local officials to pending dangerous conditions.

Because the Detroit area rarely has weather disasters, Dzidowski says he hasn't yet had to spot tornadoes or other potential catastrophes. But he's ready just in case. As soon as it starts thundering, "I'm out there whenever possible" ready to spring into action, he says.

He participates in the Radio Amateur Civil Emergency Services (RACES), operated by the Federal Emergency Management Agency to assist with communications during

natural disasters like earthquakes and volcanoes, as well as emergencies such as airplane crashes.

Hams and their equipment are very important at these times because often the power is out, phones don't work, and emergency services are overwhelmed. "Ham radio really shines" when pressed into service, he says.

He also helps provide communications for events such as Detroit's annual March of Dimes Walk-a-Thon.

Though ham operators tend to be community minded by nature, "there's also a philosophy of giving back something for the privilege of getting to use these airwaves," he says. "The government has allocated all these frequencies to us to use for free, so there's a sense of obligation that we should return something to the community."

Hams stay sharp on emergency operators by holding an annual national "amateur field day." Setting up their gear, often with generator or battery power at a campground, hams simulate emergencies by operating 24 hours and contacting as many hams as possible.

His interest in ham radio began somewhat by accident when he was in high school in the early 1960s. "I always liked electronics," he says. One day, he was "goofing around" with a transistor radio when the radio's tuner got slightly off frequency and he picked up two hams chatting. Amateur radio sounded like a lot of fun, he thought, so he set out to learn more about it. But by the time he got to college, he was so busy with biology and chemistry courses, he didn't have the

time needed to study for a ham license. After college, family obligations postponed the license further.

In 1991, with some time on his hands, he finally decided to go for it. He passed the test for technician class, the entry level for new hams. A year later he upgraded to general class, which is the fourth highest of six possible licensing levels. The Federal Communications Commission awarded him call sign N8RRU.

He admits that other forms of communication like cellular phones, faxes, and the Internet have created opportunities for just about anyone to establish the kinds of international links that historically were the domain of amateur radio. But this, he says, hasn't taken away from the romance of being a ham operator. "It basically comes down to an interest in radio communications. You can get on the Internet, but you can't reach far-flung places in, say, China like ham radio can. Also, there's great satisfaction in knowing that you've done your communicating in the simplest way possible—transmitting a radio signal someone picks up on the other end."

His hobby has paid off at work too. Because of his interest in electronics, he has become the "fix-it" person for the Detroit FDA laboratory.

Dzidowski says he'd like to hear from other FDA hams and non-hams who would like to get started. Call him at (313) 226-6260, or e-mail him at gdzidows@ix.netcom.com.

—FDA TODAY, May 1997

[Gary is a USECA member and works for the Food and Drug Administration.]

AIN'T NO STOPPIN' US NOW . . . WE'RE ON THE MOVE!



EXPRESS REPRINT
June 1996

'96 FIELD DAY

RULES -N- REG'S

Arpad, WY8M

It is advisable to refresh our collective craniums of these essential fundamentals prior to engaging in FD activities:

>> **NO GLASS BOTTLES!** The field is *usually* used to pasture horses.

>> **USE CAUTION TAPE** to mark coax, wire, off limits areas.

>> **STAY AWAY FROM THE BARN.** At Jim's request! Had some problems last year with people/kids annoying the animals.

>> **NO GENERATORS!** *Only* the kitchen area and the battery charging station. We need to keep the EMF/RFI down to a *minimum*.

>> **CONTROL YOUR CHILDREN!** This *is* a family event, but please understand many of us bring out very expensive equipment. Last year, a new HF rig was knocked off a table by a kid running thru caution-taped station space, and tripping on the marked coax.

>> **CONTROL YOUR PETS!** See above.

>> **CLEAR YOUR AREA** of ground rods, tent stakes, and debris when you leave Sunday. Forgotten landmines can make for a nasty surprise for a horse or a deck mower. Tie bright colored tape to stakes, rods, and ropes.

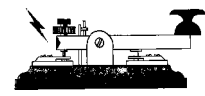
>> **KITCHEN AREA OFF LIMITS!** Only the kitchen crew is allowed *behind* the serving tables. The cafeteria will be open 24 hours to accommodate the midnight shift.

>> **HAVE A GREAT TIME AND PARTICIPATE!** Let's make this the best Field Day ever!



Pots have *Handles*.
Newspapers have *Personals*.
People have *Names*.

CW FOREVER



Jim Hatherley, WA8TBY

You must have, at times, thought into the past,
Where some things go out, while others last,
What comes to my mind is the Old Morse Code
That has weathered the storms from any abode.

To talk with ones fingers, is surely an art,
Of any info you care to impart,
In most conditions the signals get thru,
While the same about phone is simply not true.

Those dits and dahs cut through the trash,
Of nearby noise or lightning's crash,
To the sensitive ears of the ham receiver,
Who records this data with ardent fever.

He knows he's doing something unique,
(in such poor conditions, that's quite a feat!)
To roger the message that came off the air,
These brass pounders sure do have that flair.

They say Morse ops are a dying breed,
But don't despair, there's always that need,
That when conditions get rough for the new automation,
Be rest assured, there'll be need for your station.

CW is dying? Believe it never,
This mode will be round forever and ever,
But one thing is sure, what we really need,
Is to relay our knowledge to the younger breed.

To carry the torch, long after we're gone,
To send Morse Code thru the air like a song,
When at last, Silent Keys pull that final lever,
We can rest in peace, it's CW forever.

—Submitted by Walt, WB8E



WHERE'S THE SWAPS?

Day	Month	Date	Where*
SAT	JUN	7	Hudsonville
SAT	JUN	14	Midland
SUN	JUN	15	Monroe
SAT	JUL	12	Petosky
SAT	AUG	2	Houghton
SUN	AUG	3	EMARC
SUN	AUG	10	Jackson
SUN	SEP	14	L'Anse Creuse
SUN	SEP	21	Adrian
SUN	OCT	26	USECA (12th Annual)
S, S	NOV	15-16	Fort Wayne, IN

*Michigan unless otherwise noted.

Source: QRV Bulletin

TRASH-4-CASH—JUNE 8th—Contact Gary, KC8CXB

MIDWEST MOBILE MANIA!

Floyd, W8RO

THE September 17, 1996 shootout was held at Mounds State Park in Anderson, Indiana and was attended by 27 hams. A total of 13 mobile ham stations were tested, some with several different types of antennas.

The measuring equipment consists of a two turn, 3 foot diameter "magnetic" loop tuned to 3.875 MHz. The loop was grounded to the park water system which eliminates the previously noted sensitivity to passers-by. The received signal is rectified by a 1N34 into a small ceramic capacitor. The resulting DC voltage is read by a 3-1/2 digit meter on the 1.999V range.

The mobile vehicle was approximately 75 yards from the loop during the test. Each vehicle was driven to place the antenna system directly over the same spot (vehicle facing away from the receiving loop), and all other vehicles were moved to a parking lot some 1000 yards distant and the antennas dismantled (not resonant on 3.875).

The mobiles were restricted to 100 watts (measured with a Bird meter) and a less than 6 foot mast under the coil (or resonant part of the antenna). The resulting antenna had to be street legal (less than 13 feet and 6 inches tall from the ground) and reasonable to be driven at highway speed.

We were mostly interested in what works better than what and not in who "wins", but the spirit of competition was present (naturally). The strongest mobile antenna system read .404 volts with 100 watts and read about .250 with 50 watts giving some sense of scale to the readings. So someone (using 100 watts) with a .250 would be losing about half his power compared to the best system measured (to something or somewhere with respect to the receiving loop 75 yards to the rear of the vehicle). We have noted in previous shootouts that the readings were nearly linearly proportional with power from 100 to 10 watts.

The results are as follows (I'm dropping the decimal point in listing the numbers). Unless noted otherwise, the bugcatchers had 5 to 6 foot, 1 inch dia. masts under the coils, some copper

pipe and some stainless steel (not a significant difference here, but the four highest guys were with copper masts). The capacity hats were several feet above the coils unless noted. I'm listing the results by decreasing score for the first antenna tested by each participant.

Tom, W8NSF, 404, center loaded bugcatcher style with two small foot long stingers at top of the whip arranged in a V (adjustable angle between them).

Jim, KJ9T, 395, center loaded bugcatcher style with three film reel cap hats distributed along the whip.

John, N8IYN, 386, center loaded bugcatcher style, no hat, 3-1/2 inch diameter coil wound with #10 at 5 tpi for 73 turns, approx 14-15 inches long (about 95 uH).

Dick, N9HLT, 375, same system as N8IYN.

N9HLT, 380, same system except 3 inch diameter coil about 18 to 20 inches long, 95 turns of #10 at 5 tpi, same inductance as the 3-1/2 inch diameter coil.

N9HLT, 401, shorter coil (that is, less inductance, about 75 uH) with six, one foot long stingers half way up the whip arranged in a circle.

Bill, N4VMY, 369, same as N9IYN.

Chuck, KE9UW, 364, same as N9IYN.

George, K9PAW, 360, center loaded bugcatcher style, aluminum mast, with 2 wire clover loops for cap hats.

Bill, KF8MV, 318, center loaded bugcatcher with 2 inch copper mast under the coil with cap hat about 6 inches above the coil.

Bob, KA8DBJ, 289, center loaded bugcatcher style with cap hat.

Ron, KG8XM, 285, center loaded bugcatcher style with cap hat.

KG8XM, 315, screwdriver antenna (go figure—we think that the relatively poor scores for systems very similar to the best systems are due to less than optimum tuning for lowest SWR). All of the highest scores were with systems that had remotely tuned tuners essentially AT THE BASE of the antenna as opposed to matching coils at the base, etc. that may not be tuned perfectly to lowest SWR. We noted that a difference of only 5 watts (95 watts instead of 100 watts) resulted in a drop of 10 or so points or so in the reading. Nobody is saying that it matters to the guy you're

talking to a couple hundred miles away, but for the purpose of finding out what antenna system component or configuration might be marginally better, it does. This particular screwdriver antenna has capacitor matching at the base and was carefully adjusted for low SWR). Our remote tuners have a series capacitor to tune to resonance and either a tapped toroid (relays) at the input or a parallel capacitor to ground at the input of the tuner to adjust the match. The four highest score individuals have a parallel cap, the next two have a tapped toroid (T250A 25 turns wound around twice with #10 teflon insulated silver plated wire), and K9PAW has a parallel cap.

Chuck, WD8PEI, 280, screwdriver with two cap hats.

David, N9TQA, 191, screwdriver on a huge Winnebago (mounted pretty high up on the back window making for a short whip—he has a lot of longer whips but they are all bent). He uses closed circuit TV to adjust the screwdriver to the marks for each band.

Barry, N9BS, 125, Outbacker mounted on a 3 or 4 foot mast (Hmmm.)

BTW, all antenna systems were home-brew, except the Outbacker and some of the screwdrivers.

That's about it. Some other things were tried including a coil wound with litz wire which resulted in a reading of about 75% of what his solid wire (of the same diameter of wire as the litz) coil achieved (I coulda told him that but I feel better about SAYING THAT after I saw the results).

Also, a triangular mast (point up and next to the coil) fed in the center of the base (not any better than the single one inch mast).

Basically, we want to fine tune our systems and this shootout mostly showed us some ideas that do not work well and reinforced some that do.

—Continued on Page 10

FCC Issues Changes In Amateur Radio Rules

In response to three petitions for rule-making, the FCC has adopted changes to the Amateur Service rules that—among other changes—will make it easier to obtain 1×1 call signs for special event stations and harder to get a club station license. Other amendments to the rules included in a Report and Order released April 1, 1997, will allow hams to append special designators either before or after their call signs—or both, and will recognize, but not require, the use of a session manager at volunteer examiner testing sessions.

The FCC declined to give examination credit for formerly held licenses, and turned down an ARRL request for a lifetime operator's license.

Under the new amendments, the FCC will allow a licensee to substitute a self-selected call sign from the block of 1×1 call signs for temporary use during a special event operation. The station must announce its regularly assigned call sign at least once an hour. The special event call signs will be coordinated and issued by outside volunteer entities, not by the FCC. The Commission will announce later when and how volunteer entities may volunteer their services. The chief of the Wireless Telecommunications Bureau then would certify volunteer entities to serve as amateur station special event call sign coordinators, who would issue 1×1 calls from a common, online special event call sign database. By definition, a 1×1 call sign consists of a single prefix letter, K, N or W; the region number, 0 to 9; and a single suffix letter, A to W, Y and Z—750 call signs in all. The FCC turned down a suggestion that would have limited special event call signs to stations licensed to Amateur Extra class operators.

In proposing to increase the eligibility requirements for a club station license, the FCC said it was "important to determine that the applicant for a club station license is a legitimate radio club and not just a person seeking to acquire additional call signs." Under the

rules changes, the FCC has raised the eligibility requirement from at least two members to a minimum of four. Applicants for a club station license must have a club name, a document of organization, management, and a primary ham radio purpose that's consistent with FCC rules.

Responding to a petition by the National Conference of Volunteer-Examiner Coordinators (NCVEC), the FCC said VECs could elect to designate a session manager if they wanted to, but they would not be required to do so. The Commission's new rules recognize the VE session manager function but emphasize that the three volunteer examiners at a test session would still be held "jointly and severally responsible for the proper conduct of each examination administered."

Another change will allow hams to include a self-assigned indicator before, after or both before and after the assigned call sign when identifying. Current rules only permit using such indicators after the station's regular call sign. Self-assigned indicators include those used to indicate location or type of operation, such as /KP2 when operating in the US Virgin Islands or /m when operating in a vehicle. They also can denote participation in an unusual event or other atypical station operation, according to the FCC.

Citing mostly negative comments, the FCC decided against allowing exam credit for formerly held amateur operator licenses. The Commission also said "no" to the ARRL's suggestion that the operator license be valid for the lifetime of the holder. The FCC said operators would still have to renew their station licenses every 10 years and that it did not want to maintain a separate database to keep track of station license expirations.

The FCC announced all of the rules changes in a Report and Order, FCC 97-99, adopted March 20 and issued April 1. The amendments become effective 30 days after the Report and Order is published in The Federal Register.

—ARRL

FCC Proposes Vanity License Fee Hike

The FCC has proposed raising the fee for a vanity call sign from \$30 to \$50 for the 10-year license term. The fee increase was among those included for all FCC-regulated services—including broadcasters and commercial satellite services—in Notice of Proposed Rulemaking 97-49. Fee adjustments are an annual exercise for the FCC, which says it must calculate its fees to "recover the amount of regulatory fees that Congress has required it to collect in FY 1997." The FCC said the regulatory fees will recover the costs of enforcement, policy and rulemaking, international and user information activities for FY 1997, which began last October 1.

"We are proposing that applicants for amateur vanity call signs will pay a \$5 annual fee per call sign, payable for an entire 10-year license term at the time of application," the NPRM states. Under the proposal, all FCC-imposed \$3 annual fees will increase to \$5 per year, which is the lowest fee in the new schedule. The FCC said it anticipated 10,000 applications for vanity call signs in FY 1997.

In the NPRM, the Commission said the fee revisions would create a system that relies on cost-based fees for services. The Commission's proposed schedule would reduce fees for services whose regulatory costs have declined and adjust fees upward for services that have higher regulatory costs. —FCC

—ARRL



Learning ITU Phonetics: A Short Story

by Paul A. Rauth, par@michcom.com

I wrote the following story when I was getting back into Ham Radio and needed to relearn the the phonetic alphabet.

One obscure night in (Lima), during the month of (November), (Romeo) and (Juliet) were staying at the (hotel). They were waiting for (Papa) to arrive. As they waited they sipped a little (whiskey).

Their friends, (Charlie), (Mike), and (Oscar), had been playing (Golf) in the afternoon. (Mike), a member of the (Zulu) Nation in Southeastern Africa, had a good round and was declared the (Victor). (Oscar), the Canadian from (Quebec), came in second, (Charlie), a rather shady character, broke his arm trying to get out of the rough. He went to the hospital to have an (x-ray).

Meanwhile, a (Yankee) in (uniform) was in the ballroom dancing the (foxtrot) and (tango). He had just received a tip on a drug shipment that probably weighed a (kilo).

(Papa) finally arrived after a long trip from (India). (Papa) was a nuclear physicist specializing in (alpha) particles. He announced he was going to the United States and would fly (Delta) Airlines to vacation in the (Sierra) Nevada Mountains.

The story ends happily as the (Yankee) in (uniform) caught (Charlie) trying to smuggle the (kilo) of drugs in his arm cast. The resounding (echo), as all said (bravo), could be heard throughout the (hotel).

—Ham Radio Online

Volunteer Services Bill Introduced

Help may be on the way for hams who are concerned that volunteering their services might open up the possibility of lawsuits. The ARRL reports that the Volunteer Services Act of 1997, known in Congress as HR 1013 has been introduced.

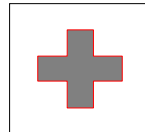
The bill would place volunteers in the Volunteer Examination Program and the Amateur Auxiliary under the protection of the Federal Tort Claims Act. This would afford them the same legal protection as employees of the Federal Government while they're carrying out such volunteer duties.

Blood Donation Opportunity

Pete, N8ZFA

On Monday June 23 at Christ Lutheran Church 12500 Canal Rd. (the first major street north of 19 Mile) from 3:00 to 9:00 p.m. the Red Cross will be conducting our semi annual Blood Drive. I have been running this event for the past 17 years. I don't think I have to tell you about the constant on-going NEED for blood in this or any other community. The one thing I need to remind people of is, there hasn't been a 'blood bank' in Southeast Michigan in over 25 years; all Red Cross blood is collected on a community basis. Therefore it does not matter where or with what group you donate it all goes into the same pool.

Walk-ins are of course always welcome but if you would care to schedule an appointment please call 247-5895, any one who answers can take your information.



Radio Shack's Dual-Bander Off The Market

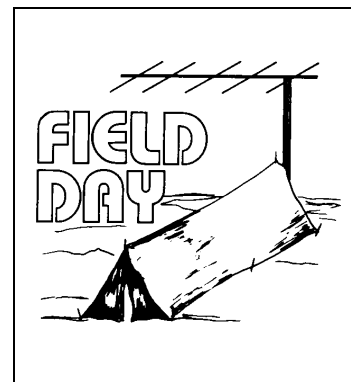


Radio Shack notified its stores April 17 that it's immediately recalling unsold stocks of its new HTX-204 dual-band handheld transceiver because of what a source at Radio Shack headquarters called "a regulatory compliance issue" involving the transceiver. Radio Shack said it plans to take the HTX-204 off the market and has no immediate plans to offer another dual-band HT. The HTX-204 started showing up in the chain's 7000 retail stores about six weeks ago.

A Radio Shack official at the company's Ft. Worth, Texas headquarters said the company was concerned about the "potential for illegal use" of the HTX-204. He declined to be specific, but he did emphasize that the HTX-204 is perfectly legal for use on Amateur Radio frequencies.

Radio Shack expressed disappointment with the turn of events surrounding the HTX-204 and directed any questions to local Radio Shack retail stores.

—The ARRL Letter



JUNE 28 & 29

Last Chance ARRL's Special Membership Offer!

Until June 30th, the ARRL is offering a special 5-year membership plan that can save you a bundle and lock in lower dues into the next century! Annual membership dues have been \$31 for some time. Until June 30th 1997, you can get a five year membership for *only* \$124 (a savings of \$31!—1 year for free!). On July 1st, dues will increase and this offer expires. Remember . . . your ARRL dues pay for much more than just QST (the "PREMIER" ham magazine); entitle you to many privileges as a member; and help to defend our Ham bands. Join the ARRL now and put *your* money where *your* mouth is! You have a choice . . . choose to have a voice!

—Submitted by Ken, KF8RG



MOBILE MANIA—Continued From Page 7

They are briefly that long masts are good (raising the coil up higher in the length of the antenna? or raising the coil up higher than the roof?).

Coils that are longer than they are wide are better than the high Q (twice as wide as long) profile (still searching for the optimum length to width ratio—somewhere between a center loading square coil and a helical wound antenna—the coil isn't a lumped element here—it's part of the radiator—what's best?).

Capacity hats do better, but not that much better if the coil is reasonably low loss (wire size and spacing, etc.). Low loss remote tuners (capacitors, not roller inductors in series with the antenna) at the base of the antenna that achieve a low SWR between the xceiver (at the dash) and the antenna (at the rear or the car) are better.

The highest reading of the day was 414 with N9HLT using the six stinger cap hat at the very top of the whip and the shorter coil that gave him the 401. This setup was not very roadworthy however.

Hot chili, Ritz crackers, peach cobbler with Lite Cool Whip, double fudge brownies, and a great moist cinnamon coffee cake were consumed in great quantities—you're not surprised, are you?

We really don't think that we know enough about mobile antenna systems—that's why we are doing this and why it is so interesting to us.

BIG CHALLENGE!

Several of the guys (not me) suggested that we should get together with the west coast mobile guys. They (a couple of the best mobile systems from each group) could meet somewhere half way (Colorado?) and maybe the impartial club in that area could supervise a midwest meets west shootout (are there any mobiles in the east?).

—Stats compiled by Chuck Hawley, KE9UW

FIELD DAY '97—Continued From Page 1

The club and I need everybody's help to keep this up. I have some new ideas for next year to try and make this an even bigger to-do than this year, but until I get some kind of response from the people I have contacted, I do not want to spoil the surprise.

Let's move on to the more important things at hand—for those station chairs that were not at the general meeting, please call me via the twisted pair at (810) 978-1203 to get your check list of basic items you will need for your station at field-day.

Here is the latest lineup:

160 meter hone	N8RAR
160 meter CW	KC8GMT
80 meter CW	KK8M
75 meter phone	N8RRU
40 meter CW	AA9CY/W8RO
40 meter phone	W8VB/KI8CB
20 meter CW	WB8E & crew
20 meter phone	N8KLX
15 meter CW	KG8IF/W8IC
15 meter phone	KG8IE/KB8AX
10 meter CW	N8MOJ/WD8PLQ
10 meter phone	N8YWS
6 meter CW	KB8QXD
6 meter phone	N8YTV & Crew
2 meter CW	(OPEN)
2 meter phone	KC8DDG
220	(OPEN)
440	KC8EWP
1.2 GHz	KB8TVV
2 meter packet	KC8FCR
Satellite	KC8BTU
Novice/Tech.	KB8TAS
Battery Charging	KC8DBG



Meeting Minutes—Continued From Page 13

New Business:

Dennis, KB8YYC reminded everyone that the June 10, 1997 meeting will be held in the parking lot at Bemis Junior High School with a Fox Hunt to follow.

Dina, N8YJI informed us that campouts will be held:

- June 13, 14, 15; Frankenmuth—Info will be forthcoming
- July 3, 4, 5, 6; Lakeport State Park—Port Huron
- July 18, 19, 20; Christmas in July—Algonac State Park
- August 8-17; Tawas Point State Park—Tawas

Our number group for all State Park campouts is #255868, reservations can be made by phoning 1-800-44PARKS. Please make your reservation for Tawas Point State Park now, they are already filling up. If you have any questions contact Dina at 810-777-4207.

The meeting was adjourned at 7:50 P.M.

Respectfully submitted,

Debbi Cokewell, KB8YYB, Recording Secretary

USECA 1997 VHF Net Points As Received By April 6th

Displayed 185 of 185

Call	Name	pts
WW1AW	BILL	1
W1IK	JIM	37
WB2C	ANDY	3
VA3AWC	ALBERT	2
VA3LJ	DON	1
VE3ZVF	BILL	1
KE4DIP	MIKE	1
WQ4I	JOE	1
KC4RFZ	KEVIN	1
KC4ZHC	STEVE	2
KM5D	ERIC	2
KB8AKS	JERRY	7
KC8ARS	HENRY	1
KC8BCP	MARK	1
KA8BDG	DICK	6
KC8BFP	MARK	7
KC8BGR	JEAN	8
KC8BIU	TED	28
KC8BXD	HENRY	2
K8CFY	JERRY	21
KC8CPT	DON	21
KC8CRJ	RON	3
K8CWE	DICK	1
KC8CWS	DENNIS	1
KC8CXB	GARY	25
WS8D	MIKE	1
KC8DBG	BILL	6
KC8DBI	MARK	13
AA8DD	BOB	1
KC8DDG	TOM	5
KC8DIP	BOB	1
KC8DIS	GRAHAM	2
WB8J	DJ	3
KC8DQF	NEEDNAME	1
KC8DRK	TIM	4
KC8DRV	BILL	1
N8DVO	FRED	1
WB8E	WALT	24
KC8EDK	BRIAN	2
KC8EDO	JIM	5
KC8EEJ	JIM	14
KC8EMD	JASON	2
KC8EPQ	ROGER	2
N8ERV	TOM	1
KC8EVI	LES	5
KC8EWP	JOSH	9
KC8EZU	CHRIS	3
KC8FDQ	DUSTIN	4
KC8FEO	PAT	1
KC8FES	MARK	1
N8FGB	RICHARD	1
N8FGK	JERRY	1
KC8FMX	JIM	7
KC8FRW	JOHN	13
KC8FTW	AMY	1
KC8FTX	LEO	1
KC8FTY	DEREK	7
KC8FTZ	JIM	1

Call	Name	pts
WB8FUI	PHIL	4
KC8FVU	PHIL	3
KC8FXF	MIKE	2
KC8FYF	GEORGE	2
KC8FYQ	GERALD	7
KC8FYR	BRENT	3
KB8GGI	PAUL	2
KC8GIX	CARL	1
KC8GMT	LAURA	8
KC8GMU	GEORGE	4
KC8GMV	JOHN	1
KB8GPO	KEN	2
WA8GQL	DAN	2
N8HQB	ED	1
N8HZE	KEN	4
W8IC	PHIL	5
KG8IE	SCOTT	15
KG8IF	ANN	9
WD8IFL	DAVE	3
WB8ITJ	JACK	1
W8JEK	BOB	1
WA8JPR	BILL	18
N8JUC	JOHN	1
N8JVA	ANDY	1
W8K	DIANE	2
W8KC	PAUL	14
K8KKK	JERRY	1
N8KXL	JERRY	1
N8KND	DOUG	1
WD8KNO	LYNN	1
N8KOV	LLOYD	1
KG8LB	GARY	2
N8LQG	PAT	1
KC8LT	JACK	3
N8LXL	BETTY	6
KB8LYA	FRED	2
WY8M	ARPAD	8
KF8MB	MEL	3
N8MG	MARTY	3
KB8NDL	ROD	1
KA8NDY	DAN	13
N8NQQ	BIFF	10
N8NSV	BOB	1
N8NTD	JOHN	1
N8OEF	VAL	22
N8OEV	DAVE	3
N8OEX	EARL	2
AA8OH	JIM	3
N8OKW	JIM	11
K8OX	RICH	3
KB8PIK	MARILYNN	5
KB8PKV	WAYNE	3
KB8PLW	DAN	1
K8PUP	MIKE	1
KB8QDT	CASE	2
K8QLM	RICHARD	67
KB8QMS	NANCY	22
WB8QNI	VANCE	1

Call	Name	pts
KB8QXB	SUE	1
KB8QXD	RANDY	4
N8RAR	WAYNE	3
KB8RBV	MANNY	13
KF8RG	KEN	13
KB8RJS	ERIC	1
WD8RNO	LYNN	1
W8RO	FLOYD	7
N8RRU	GARY	3
N8RUE	EDDIE	6
N8RUH	TJ	4
N8RUJ	ED	4
N8SA	BILL	4
N8SIH	BETTY	10
WB8SIW	JIM	3
K8SJK	RICHARD	1
W8SIW	CHARLIE	1
KB8SPC	JUDE	1
KB8SWR	JEFF	2
KB8TAS	JERRY	30
KB8TEZ	MATT	1
KG8TJ	KEVIN	1
N8TJM	MARIANNE	10
KB8TOP	JEFF	1
KB8TVV	JIM	6
N8TWA	ROY	1
K8TXS	ALEX	1
N8UDZ	ADRIAN	1
KA8UHG	STEVE	2
WB8UKU	CHRIS	1
KB8ULS	ROGER	1
KB8UZZ	ELMER	1
W8VB	DAVE	17
WA8VIJ	GULLIVER	2
N8VLY	JOAN	2
N8VLZ	GORDIE	2
N8VOH	KATHY	1
WN8VOT	DAVE	41
W8VPZ	JIM	1
KB8VQM	LESTER	1
N8VTF	DON	13
N8VVH	LINDA	10
KB8WCM	STEVE	1
KB8WFW	GREG	1
KB8WFZ	DOUG	1
KG8WG	LEE	10
KG8WH	DAVE	3
K8WI	BILL	18
KB8WKI	LAURA	1
KB8WLR	CHUCK	1
KB8WTH	RICH	26
KB8WVM	STEVEN	1
W8WZ	CARL	2
KF8XO	JEFF	1
N8XPS	MIKE	5
N8XRB	JEFF	3
KB8YBT	JOHN	4
N8YJI	DINA	12

Call	Name	pts
N8YTV	HARRY	13
N8YWS	STAN	10
KG8YX	DOC	13
KB8YYA	DREUX	21
KB8YYC	DENNIS	21
KB8YYL	ALLEN	1
KB8ZGX	PETE	1
N8ZLU	TIM	1
N8ZPJ	SCOTT	2
N8ZRZ	AL	2
N8ZZF	PAT	4

Top 20 VHF Operators

Call	Name	pts
1	K8QLM RICHARD	67
2	WN8VOT DAVE	41
3	W1IK JIM	37
4	KB8TAS JERRY	30
5	KC8BIU TED	28
6	KB8WTH RICH	26
7	KC8CXB GARY	25
8	WB8E WALT	24
9	N8OEF VAL	22
10	KB8QMS NANCY	22
11	KB8YYC DENNIS	21
12	K8CFY JERRY	21
13	KB8CPT DON	21
14	KB8YYA DREUX	21
15	WA8JPR BILL	18
16	K8WI BILL	18
17	WB8V DAVE	17
18	KG8IE SCOTT	15
19	WB8C PAUL	14
20	KC8EEJ JIM	14

Top 15 HF Operators

Call	Name	pts
1	N8MOJ MARION	44
2	WB8VRW HARRY	14
3	N8RAR WAYNE	8
4	W8IC PHIL	4
5	W8RO FLOYD	4
6	WN8VOT DAVE	3
7	N8OEF VAL	2
8	WD8PLQ GAYLEN	2
9	KC8EDO JIM	2
10	KC8FTZ JIM	2
11	K8WI BILL	2
12	KC8FXF MIKE	2
13	WB8V DAVE	2
14	W8JX LARRY	2
15	KB8YYC DENNIS	2

Database c/o KF8RG (Ken)
Software written by WU8C (Tom)

Want to run a net?
Earn extra points?
See or call Bill, K8WI,
for more information.

See USECA's "Net Point System Explanation" for info on how net points are earned.

NOTE: The 1st 1997 Awards will be presented at the September General Meeting.

USECA Board Meeting Minutes—May 6, 1997

In attendance:

KB8YYC Dennis President
 W8VB Dave Vice-President
 KB8YYB Debbi Recording Secretary
 KI8CB Mark Membership Secretary
 N8OKW Jim Treasurer
 KG8IF Ann Board Member
 *KB8QMS Nancy Board Member
 N8TMJ Marianne Board Member
 W8RO Floyd Past President
 *K8CFY Jerry Historian
 K8OEF Joe Express Editor
 *KC8EZU Chris Swap Chairman
 KG8IE Scott Field Day Chairman
 *N8KND Doug Repeater Technician
 WB8E,Walt; N8VVH,Linda; KB8TAS,Jerry; N8OEX, Earl
 *Absent

The meeting was called to order by the President at 7:31 P.M.

The minutes of the last meeting were approved.

The treasurer's report was approved as submitted.

Membership: Mark, KI8CB reported that current membership exceeds 200.

Newsletter: Joe, K8OEF reported that L'anse Creuse has invited USECA to attend their Swap and set up a table at no charge to us.

Old Business:

Pre-Field Day: Ann, KG8IF indicated that plans have been finalized and everything should proceed without a hitch.

Walt, WB8E announced that Field Day Shirts have arrived. There will be no second order.

Field Day: Scott, KG8IE promulgated plans for Field Day. Still open are the Novice Tech, 2 meter CW and the 220 stations. Scott is currently working to have a representative from Channel 4 television attend as well as Dr. David Wagner from radio station 105.1, WQRS.

Linda, N8VVH stated that the list and the pans for pass a dish will be at the next General Membership Meeting.

Swap: Plans are advancing. Dennis, KB8YYC will make sure we have an accurate floor plan to use for set up arrangements.

Flowers were sent to the Principal at Bemis Junior High School. Also sent was a \$50.00 donation which will be used for the school's Computer Lab.

A thank you card was received from Dan, KA8NDY and Lee, KG8WG thanking the Club for their thoughts and monetary contribution which was used for funeral expenses.

New Business:

Dennis, KB8YYC indicated that as in the past, the June meeting will be short and held in the parking lot at Bemis Junior High School and a Fox Hunt will follow the meeting.

Jerry, KB8TAS volunteered to make a stand to support and display the USECA banner.

Floyd, W8RO informed the Board that the Trustee has updated the Repeater Control-Op list and the Control-Op Codes will be changed.

The meeting was adjourned at 8:20 P.M.

Respectively submitted,

Debbi Cokewell, KB8YYB, Recording Secretary

USECA General Meeting Minutes—May 13, 1997

In attendance:

KB8YYC Dennis President
 *W8VB Dave Vice-President
 KB8YYB Debbi Recording Secretary
 *KI8CB Mark Membership Secretary
 N8OKW Jim Treasurer
 KG8IF Ann Board Member
 KB8QMS Nancy Board Member
 N8TMJ Marianne Board Member
 *W8RO Floyd Past President
 K8CFY Jerry Historian
 K8OEF Joe Express Editor
 *KC8EZU Chris Swap Chairman
 KG8IE Scott Field Day Chairman
 *N8KND Doug Repeater Technician
 *Absent

The meeting was called to order by the President at 7:33 P.M.

All present introduced themselves. New attendees were given a hearty welcome. New upgrades were recognized.

A motion was made by Dreux, KB8YYA, seconded by Walt, WB8E and passed to accept the minutes of the last meeting as printed in the Express.

Treasurer: The treasurer's report was presented.

Membership: Current paid membership is in excess of 202.

Express: Turn your articles and information in to Joe, K8OEF tonight for publication in the next issue of the Express.

Badges: Debbi, KB8YYB is taking orders for badges. If you have a badge, USECA hat, shirt or jacket wear them to USECA activities as well as to other activities in the Amateur Radio community.

Trash For Cash: Donate your unwanted wares to be sold at the Armada Flea Market. Make certain that your articles are in GOOD, saleable condition. Monies raised through Trash for Cash help to support Field Day. We have set a date of June 8, 1997, with a rain date of June 22, 1997. Storage of Trash for Cash items will in Gerald's, KC8FYQ garage.

Meeting Hosts: Thanks to tonight's hosting dyad, the lovely Fred, KB8LYA and the bodacious Marilyn, K8PIK.

Old Business:

Field Day: Scott, KG8IE reported that maps have been completed and are available for Station Chairs. Those wishing to order coax, please contact Scott. A 500 foot roll of coax is \$235.00, this works out to \$.47 per foot. The next Station Chair meeting is Tuesday, May 27, 1997. There are still 2 chairs open, the 220 and the 2 meter CW.

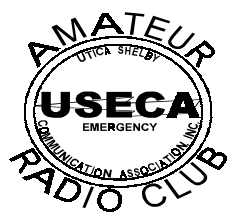
Linda N8VVH is looking for volunteers to help in the Field Day Kitchen, as well as with the children's activity center. Sign up will be during the break. Pick up your pans for the pass a dish tonight or at the June meeting.

Field Day shirts for 1997 have been delivered. Walt, WB8E announced that there will be no second order.

WalkAmerica: Dennis, KB8YYC thanked everyone for their participation. There were 31 volunteers, 2206 walkers and they raised \$175,000. Great job!

Pre-Field Day: Ann, KG8IF reported that Pre-Field Day was very successful. Special thanks went to Gerald, KC8FYQ for the set up, Linda, N8VVH and Marianne, N8TMJ for taking care of the food, and Earl, N8OEX for doing all the cooking.

Continued on Page 10



USECA APPLICATION

DATE _____ NEW RENEWAL NEWSLETTER ONLY
 CALL _____ CLASS _____ AUTO-PATCH _____
 NAME _____
 STREET ADDRESS _____
 CITY _____ STATE _____ ZIP _____
 TELEPHONE # _____ PRINT IN ROSTER: YES NO
 BIRTHDATE _____ Copy of Current License for USECA File
 MEMBER: ARRL YES NO RACES YES NO



FOR FAMILY MEMBERSHIPS ONLY:

CALL _____ CLASS _____
 NAME _____
 BIRTHDATE _____
 MEMBER: ARRL YES NO
 RACES YES NO

CALL _____ CLASS _____
 NAME _____
 BIRTHDATE _____
 MEMBER: ARRL YES NO
 RACES YES NO

Annual Membership Dues (Includes Newsletter) Regular: \$20 — Family: \$30

Newsletter (Only): \$8 — Auto-Patch: \$35 (One Time Fee) + Annual Dues

Applications can be given to the Membership Secretary at monthly meeting or mailed.

PLEASE MAKE CHECK PAYABLE TO: USECA Address: P.O. BOX 1222, STERLING HEIGHTS, MI 48311-1222

2-METER LANs

LOCAL AREA NETS

DAY	TIME	CLUB	FREQ.
SUN	1:00 pm	USECA/Information	147.180
SUN	8:00 pm	SPIRIT of '76/Traders	146.760
SUN	9:00 pm	HPARC/DART	146.640
SUN	9:00 pm	Garden City ARC	146.860
Mon-Sat	9:30 pm	Thumb Mid-Mich. Traffic	147.300
MON	8:00 pm	MECA	147.200
MON	9:00 pm	USECA/Slow Code	147.180
TUE	8:00 pm	USECA/Information	147.180
TUE	8:00 pm	SEMARA	146.740
WED	8:00 pm	GMARC	146.700
WED	8:00 pm	SPIRIT of '76/Info./Traders	146.760
WED	8:00 pm	SMART/ARPC	147.140
WED	9:00 pm	MICHIGAN QRP	145.170
THR	7:00 pm	HPARC/Kids	146.640
THR	8:00 pm	EDISON/Information	145.330
THR	9:00 pm	ECHO	147.080
FRI	Midnite	USECA/Hootowl	147.180

On The World Wide Web

USECA Home Page

<http://www.rust.net/~dkaherl/useca.htm>

NET OPS SCHEDULES

2-METER NETS

	SUN. 1 PM	TUES. 8 PM	FRI. MIDNIGHT
WEEK	147.180 MHz	147.180 MHz	147.180 MHz
1	KG8IF	K8QLM	-OPEN-
2	WN8VOT	N8LXL	KB8TAS
3	K8QLM	KI8CB	-OPEN-
4	N8OKW	WB8E	-OPEN-
5	KG8WG	-OPEN-	-OPEN-

CW NETS

	THURS. 9 PM	FRI. 10 PM
WEEK	21.140 MHz	21.140 MHz
1	-OPEN-	W8VRW
2	-OPEN-	-OPEN-
3	-OPEN-	W8IC
4	-OPEN-	N8MOJ
5	-OPEN-	W8VIJ

NCO's—If you are unable to take your net, please get a replacement or contact Bill, K8WI.

A NEW NET

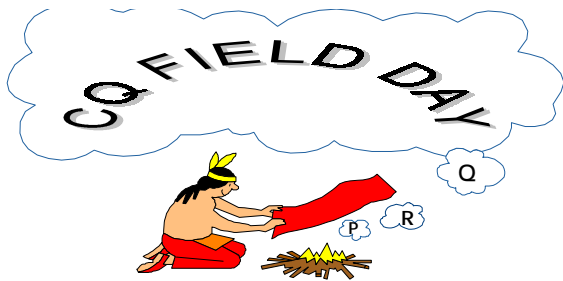
A new 10 meter phone net—before the Hoot Owl Net—will be on Fridays at 11:00 p.m. on 28.425 MHz.



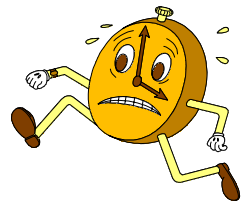
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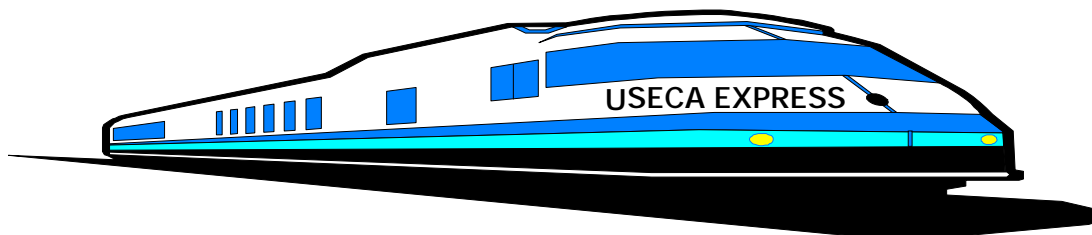


JUNE 1997



**Time's Runnin' Out.
Field Day's Almost Here!**

Here's the **USECA** *EXPRESS*



Coming Your Way

The *USECA EXPRESS* is published monthly (except July and August), by the UTICA SHELBY EMERGENCY COMMUNICATION ASSOCIATION, INC., of Macomb County, Michigan. Club meetings are held on the second Tuesday of each month (except July and August), 7:30 p.m., local time, at the Donald Bemis Junior High School, 12500 Nineteen Mile Road (between Schoenherr and Clinton River Road), Sterling Heights, Michigan *Visitors are always welcome*. Articles for the *EXPRESS* should be submitted to the editor no later than the night of the club meeting for publication in the following month's edition. For those who want to get a message to the Board or the Membership Secretary, please call our answering machine at: (810) 268-6730. The awards for "Excellent" (1994) and twice "Superior" (1995 and 1996) were received from ARNS (Amateur Radio News Service).