



# USECA EXPRESS



*Michigan's Largest and Most Active Amateur Radio Club*

UTICA SHELBY EMERGENCY COMMUNICATION ASSOCIATION, INC.

Volume 16, Number 4, April 2000

## The Beginning of USECA

*Richard, K8QLM & Dick, KA8BDG*

**H**AVE YOU EVER wondered as you looked around the room at one of our meetings just how all this came about? Did you know that at one time we had a "CB" division? Or perhaps you had the same thoughts as you read through the pages of the *Express* and saw the names of the Founders/Charter members and Honorable Charters who are, or in some cases were, the people who had the vision to begin the club we have today?

Someone, and we can't remember who, once said, "You can't know where you're going until you know where you've been." So take a trip with us as we turn back the pages of history to when it all started. We would like to thank all the members, both past and present, who furnished helpful information so that we could put it all together.

We do not claim that we have put the facts in the proper order and we may have missed talking to someone who might have had additional historical information.

What you see here has been obtained from personal accounts and old records.

In the early years of USECA, say from 1981 to 1984, many Utica area hams were active members of the L'Anse Creuse Amateur Radio Club. During that time period, a number of L'Anse Creuse club members from the Utica area suggested that a new amateur radio club should be organized for several reasons including the distance involved to the Mount Clemens meeting site.

*—Continued on Page 12*

## April 15 is NOT Tax Day!

*Mark, W8IR*

Got your 5wpm CSCE? Got your CSCE to upgrade to General or Extra?

Just can't wait for April 15 to get on the air with your new privileges?

Well radio rangers, here is the answer to your prayers.

A special test session will be held on April 14, starting at 10:30 p.m., just for you. We will have a ton of

FCC form 605's on hand and plan on signing CSCE's starting at 12:01 a.m. April 15. Please get there early to fill out paperwork and such.

Remember to have your drivers license, COPIES of your CSCE's, or other appropriate paperwork necessary to verify your upgrade.

Coffee, doughnuts, and chat will be available to those attending. We

will be time-stamping all applications as they are received. AND a real HF radio will be available for your use after upgrading! All VE's are welcome to attend—we need your signatures.

Join us and be a part of radio history.

*[Location Salvation Army Corps.]*

## Skywarn

Here's the latest I have at this time on the SKYWARN Spotter Training classes in the area:

- 3-15-00—7:00 p.m. Basic Spotter Training Macomb County ARES/RACES Freedom Hill
- 4-05-00—7:30 p.m. Basic Spotter Training LCARC L'Anse Creuse H/S
- 4-19-00—7:00 p.m. Advance Spotter Training Macomb County ARES/RACES Freedom Hill

I have a more in depth list of training scheduled for the counties covered by NWS at White Lake (DTX). If anyone needs information on training that may be in the surrounding counties, they can contact me and I'll try to help.

Red/WA8RLI  
Macomb Co. ARES/RACES/SKYWARN  
EAEC-Operations/Deputy RACES Office

*—Submitted by Bill, N8SA*

*Next Meeting — April 11*

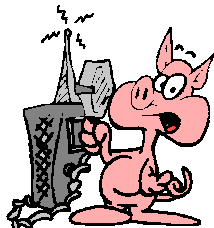
# CLUB DIRECTORY

## BOARD OF DIRECTORS

President Debbi Cokewell/KB8YYB, (810) 263-0227  
 Vice President Nancy Carr/KB8QMS, (810) 749-3383  
 Recording Secretary Ann Manor/KG8IF, (810) 751-3893  
 Treasurer Delphine Wrona/KC8JSH, (810) 791-4669  
 Membership Secretary Marianne Mickle/N8TMJ, (810) 677-1667  
 Past President Dennis Gaboury/W8DFG, (810) 465-7126

## ELECTED BOARD MEMBERS

Dave Cunningham/KC8IAQ, (810) 791-2720  
 Mark Milby/W8IR, (810) 293-3603  
 Jerry Radcliffe/N8K LX, (810) 558-7729



## COMMITTEES

ARRL Liaison Dave/W8VB  
 Awards Manager Jon/KC8HYU  
 Door Prizes Dina/N8YJI  
 Editor Joe/K8OEF, (810) 781-0050  
 Field Day Chair Jerry/N8K LX, (810) 558-7729  
 Health & Welfare Marianne/N8TMJ, (810) 677-1667  
 Historians Jerry/K8CFY & Ann/KG8IF  
 Mailers/Sorters Ann/KG8IF; Phil/W8IC; & Crew  
 Net Manager Brian/KC8DIR, (810) 749-4561  
 Photographer Richard/K8QLM  
 Program Director Nancy/KB8QMS  
 Public Relations Officer Ken/N8KC  
 Refreshments Don/KC8CPT & Richard/KC8HMJ  
 Repeater Trustee Bill/N8SA  
 Swap & Shop Dave/KC8IAQ, (810) 791-2720  
 Technical Director John/K8ZEC, (248) 828-3742  
 Technicians K8FT; WA8GQL; KC8IAQ; N8KND; WY8M;  
 N8MIV; W8RO; N8SA

## CONTROL OPERATORS

Dennis/W8DFG	Dave/KC8IAQ	Nancy/KB8QMS
Doug/K8DK	Mark/W8IR	Floyd/W8RO
Gordy/WB8H	Joe/K8OEF	Bill/N8SA
		Gulliver/WA8VIJ

## PROGRAMMERS

Scott/W8CQD	Gordy/WB8H	Mark/W8IR
Dennis/W8DFG	Dave/KC8IAQ	Doug/N8KND; Bill/N8SA

## VOLUNTEER EXAMINERS

WW1AW	WB8E	W8IR	WY8M	KG8QT	WY8W
AB8BT	K8EN	WA8IZV	KA8NDY	W8RO	K8WI
W8CQD	AA8HF	WA8JPR	W8NG	N8SA	KB8WTH
AA8CY	KG8IE	N8KC	N8OEF	N8SN	WB8X
KM5D	W1IK	WX3L	N8OZ	W8VB	

## SILENT KEYS

Len Czapiewski/K8DHH	Joe Steel/KA8IZM	Harry Young/W8VRW
Art Sheff/WD8EGV	Rick Parady/KB8KLW	Velma Ragon/N8YVC
Joe Lucido/NU8F	John Moore/KA8KTV	John Tomlins/KG8YX
Charles Smith/N8FWF	John Palmer/WD8LBH	
Clarence Ringo/W8HQO	John Pizzuti/WB8NHT	

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 SK
J. Haubner c	WB8NHT f c	

The Editor is:

## Still Going

Joe, K8OEF (k8oef@tir.com)



A Golden Crystal Award goes to Richard, K8QLM who received a "Lifetime Membership" in our club—and a standing ovation (the first I've seen) at the general meeting on March 14—well deserved!

Thanks to Laura Kloviski, (our "pop lady")—she resigned at the last general meeting—it's a lotta work and a thankless task. Laura . . . "Thank You!" (Laura is the wife of Brian, KC8DIR.)

Check the dates in our "Club Activities"—campout dates have changed and the picnic date is August 27.

Did you join MARC last year? Did you renew this year? If not, you are not a current member and have lost all your privileges.

Do you qualify for a vanity call sign? Thinking of getting one? Better hurry—with the new licensing restructuring beginning April 15, you may not get the call you want.

Don't forget to "Spring Ahead"—April 2. 73 for now.



See Walt For . . .

### The ALL-NEW Field Day 2000 Shirt!

The Field Day 2000 Sweatshirts/T-shirts are being ordered now! See Unca' Walt (WB8E) for prices and to place your order. Hurry! The new design for 2000 is sure to be popular—with graphics based around Underdog and Sweet Polly Purebred—the latest new members of USECA! Get YOURS today and be *stylin'* come Field Day!

## INSIDE THIS ISSUE

Michigan QSO Party	3
Pre-Field Day	4
Need A New Challenge?	5
Repeater Operating Tips	6
USECA <u>Seti@home</u>	7
Paper Tiger Takes a Bite	8
Net Points	9
Members E-Mail Directory	10
Meeting Minutes	11
USECA Cork Board	14
USECA Membership Application	15
Local Area Nets	15
Net Ops Schedules	15
Club Activities.....(Cover)	
Swaps.....(Cover)	
6-Meter Nets.....(Cover)	

## Michigan QSO Party: Are you ready?

*Don, WB8T*

Sponsored by the Mad River Radio Club, a contesting organization based in Michigan and Ohio, the Michigan QSO party is a great first contest for the newcomer to HF contests or a fun, lower stress event for the seasoned contesteer. As with any other contest, the point is to contact as many other amateur stations, exchange required information and accumulate as many points as possible. For this contest, the point scoring is very interesting, and makes for sure-fire activity for all Michigan and non-Michigan hams. It works like this: Michigan stations can contact stations in Michigan as well as outside of Michigan (DX counts, too); stations outside of Michigan may only work Michigan stations. For this reason, it is very important for Michigan hams to put their county on the air.

### Scoring details:

1. CW contacts are worth 2 points each and SSB contacts are worth 1 point each
2. for *Michigan stations*, multipliers are the 49 other states, 14 ARRL recognized provinces, and 83 Michigan counties and can be counted ONCE per MODE:
  - a) once on CW
  - b) once on SSB
3. for *non-Michigan stations*, the 83 Michigan counties each count as multipliers:
  - a) once on CW
  - b) once on SSB

Because of the Michigan counties each counting as multipliers, once per mode, to Michigan and non-Michigan hams alike, there is a lot of movement afoot to ensure that all of the counties are activated during the contest. Several mobile stations coordinated through MRRC will be roving about the state and operating all bands and both modes.

Tentatively (at time of print) these five mobile stations will be QRV for the contest:

- AA8U (+WB8T) - Upper Peninsula
- K8CC (+W8MJ) - NW quadrant of Lower Peninsula (also eastern part of Upper Peninsula)
- K9TM (+KU8E) - NE quadrant of Lower Peninsula
- W8RU (+K8MR) - SE quadrant of Lower Peninsula (including thumb)
- K8AQM (+company) - SW quadrant of Lower Peninsula

One thing some MRRC members have observed is that the number of mobile stations roaming around the state can make an "okay" contest a lot more exciting. The Wisconsin QSO Party, March 12<sup>th</sup>, was a good example. WIQP had a LOT of mobile stations on the air. As was commented by many out-of-state contest participants, the last few hours of the contest were just

as active as the first few because the mobiles kept moving into different counties, becoming workable again, sometimes even for a new multiplier.

If you think it would be cool to activate some counties in MIQP from your mobile station, feel free to do so! It would be great fun to see many more mobile stations out on the air having a good time in the contest. One item to bear in mind, though: the MIQP rules state very clearly that a mobile station must keep a separate log for every county from which he/she operates. Therefore, if you operate from 3 different counties, you will have 3 separate logs, one for each county, though all with your call-sign. All three logs count toward your total score.

For a viewable and printable version of the official rules, dates, times, suggested frequencies, multiplier check-sheets, and answers to your scoring questions, visit the Michigan QSO Party web-page, hosted by the Mad River Radio Club web-site, at: [www.qsl.net/mrrc/](http://www.qsl.net/mrrc/)

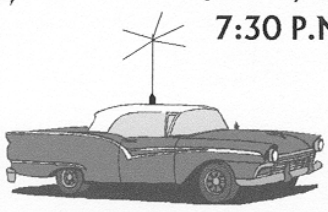
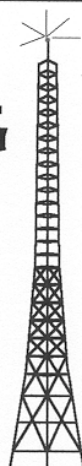
I am looking forward to this exciting contesting event and I hope to hear a lot of USECA stations involved in the activity, maybe even mobile.

73/DX




# CROSS BANDING

Tuesday  
April 11, 2000  
7:30 P.M.

Attend the April 11, 2000  
USECA Meeting  
and see the  
Cross Banding Program  
and Demonstration  
presented by  
Floyd, W8RO and Dennis, W8DFG



Here is the complete text of the press release that the ARRL included portions of in the latest ARRL Letter. 73, Paul, W8KC.

FOR IMMEDIATE RELEASE

USECA Ham Radio Club Will Be First To Provide New FCC Examinations

Mt. Clemens, Michigan—April 15th may strike fear to many taxpayers, but this year it promises to be a red letter day for our nation's 500,000 amateur radio operators as new Federal Communication Commission rules take effect.

At the stroke of midnight, the Utica Shelby Emergency Communications Association (USECA) will begin administrating the newest FCC examinations in a special midnight test session. The exams cover a wide range of technical, legal, and safety topics, which must be successfully passed before a ham radio license can be issued. The tests will be given at the Salvation Army, 55 Church Street, Mt.

Clemens, Michigan. People interested in taking the exams will be admitted beginning at 11 p.m. April 14th—one hour prior to the examinations. Anyone interested in taking an amateur radio exam is welcome to attend.

Exam coordinator Bill Chesney of Mt. Clemens, Michigan says that the entire US amateur community is anxiously awaiting the new tests and other changes in FCC rules that take place at midnight. A significant and controversial change involves lowering the speed which a person must be able to decode transmissions sent in Morse code. "Tens of thousands of hams who previously were unable to access certain short-wave frequencies will now be able to use them due to these rule changes," Chesney said. "The only requirement is that they pass a new 35 question multiple choice exam. We will be administering that test at midnight."

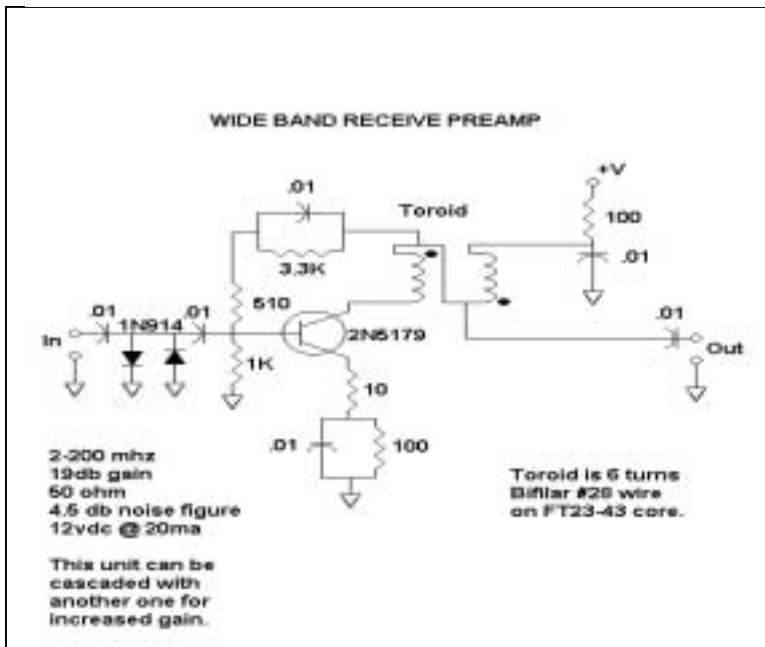
Chesney explained that the radio club would be using a clock synchronized with the National Bureau of Standards atomic clock. They will also have an amateur radio capable of receiving the time signals, to know precisely when the exams may legally begin. "We'll be the first to issue the new examinations in the US."

Hams who pass the exams to access the shortwave frequencies will be able to use them immediately. Chesney expects a big on the air party as the date change bringing the new FCC rules sweeps across the time zones. "It will be little like New Year's Eve. Hams at our exam will be the very first to benefit from the new rules because we are in the Eastern time zone."

For more information contact: Bill Chesney 810-468-8345 email william01@home.com

USECA Website: www.useca.org  
ARRL (National Amateur Radio organization) Website: www.arrl.org  
-30-

If someone can improve on the performance, please let me know—Gordie, WB8H.



## Pre-Field Day

Our annual Pre-Field Day picnic will be held on Saturday, May 13, at the Winter Cove Picnic Area in Stony Creek Metro Park. The park opens at 9 a.m.. The grills will be going at approximately noon for afternoon barbecuing. USECA will provide hamburgers and hot dogs, condiments and picnic supplies. You are asked to bring a pass-a-dish and your own beverages. Children and pets are of course welcome.

Every year, we have several radio stations set up, providing operating fun, practice for field day and a chance to evaluate the equipment and antennas. If you wish, bring yours out and join the fun. You can also bring other toys such as bikes, roller blades, volley ball, etc. Please, no water guns.

By request, Phil W8IC has agreed to provide a hidden transmitter hunt again. Several direction-finding antennas will be available to try and he will be happy to demonstrate techniques and answer questions.

The site has a large pavilion so the event is held, rain or shine. A bit of Visqueen has also been tacked up a time or two. So, come on out and enjoy a wonderful day in the park with your friends!

Any questions? Contact Ray, KC8NDO or Ann, KG8IF.

## Need a New Challenge? Try Packet

Paul, KC8NGY

**A**RE YOU BORED with repeaters, voice on the HF bands, or the usual ham radio activities? Try packet. Packet radio has been around since the late 1960's and has been used by US hams since the FCC approved the transmission of ASCII in March 1980.

What is Packet Radio? Simply put, it is the transmission of data by sending bits, or packets, of information via the radio waves. It is always 100% error-free because a packet is not used unless it is entirely intact and will be 'rejected', that is, a request will be sent back to the receiving station.

What can you do with packet? Well, you can do a lot. You can send mail to your fellow ham's station, you can have a live QSO locally or an exciting DX QSO, you can assist in emergency traffic handling, you can post messages to a discussion board. The possibilities are endless.

What does it take to get involved in packet? You need a computer, a radio (2m is preferred, all the local packet activity is on 2m and it is a lot easier to start on 2m than on HF), and a TNC, or terminal node controller which is a special type of radio modem.

How much does it cost? Well, you probably already have the radio and the computer, so all you need is the TNC and the appropriate cables for your radio.

As with everything else in ham radio, you can spend whatever you want, from about \$50 to \$300. If you want to get started, I suggest either buying a used TNC from somewhere or a Tigertronics BayPac BP-2 or 2M. The used TNC has advantages, such as a mailbox built-in.

The used TNC will probably run \$50-100 and the BP-2 costs \$50, which is a special packet only 1200 baud modem the size of a DB-9 connector. It is not a full TNC, all functions are emulated within the computer using a special software program and you will need extra software and have to keep your

computer running full-time for a mailbox. The BP-2M is \$69 and adds features such as RTTY, CW, AMTOR, and HF Packet (300 baud) which is nice if you want to get into HF digital later on. These two can be ordered from Tigertronics at [www.tigertronics.com](http://www.tigertronics.com).

For a used TNC, you will have to look around. Many people seem to use AEA's so you might want to look into those. The advantage of a used TNC is you can have a mailbox without leaving your computer on.

So, research it a bit more and go and buy a TNC or packet modem. If you need help or want more information, just call me on the USECA repeater, email me at [kc8ngy@arrl.net](mailto:kc8ngy@arrl.net) or call me at (810) 786-6924.

Great, now you've bought your TNC or packet modem. First you will have to wire it up for your radio—you'll need a connector for your radio and a pinout of the connection on the radio. See your radio manual and TNC manual for details.

Now you have it wired up and connected and everything. First of all, if you have the Tigertronics modem, consult the instructions to install and configure Baycom—if you need help with this, again you may contact me (I use a BP-2M with Baycom). If you have a TNC, just set your terminal program (HyperTerminal or Terminal or similar) as indicated in the manual and start it up then set up your TNC as indicated in the manual.

Tune to 145.03 and if you are around Sterling Heights you can try c strlng (it has rather wide coverage so try it even if you aren't around there).

Most packet activity in this area centers on that frequency. If you want to find out how DX is, try tuning to 144.95 and type c k8na. If you want to see a full service packet system with an internet link for worldwide coverage, tune to 144.93 and type c detip.

Don't despair if these do not work, contact me and I'll find a packet system near you. You may need a different antenna to reach one near you. For a good explanation of packet and how to get started, try WB9LOZ's excellent tutorial at [www.choisser.com/packet/part01.html](http://www.choisser.com/packet/part01.html).

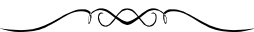
Next month, I'll include stuff about different systems and other neat packet stuff. If you can get into strlng, just connect to strlng type c n8kc-1 and then s kc8ngy to send me mail and announce your presence or connect to strlng and type c maceoc and then sb all to send a message to everybody on that bulletin board. Remember, for help just contact me or call out a cry for help on the repeater.

Below is a sample packet session.

73 til next month.

```
*** Connected To N8KC-1
<Wed,08Mar00 10:06 PM>
[AEA-9512-H$]
Welcome to N8KC's Maildrop.
Type H for Help
(AEA PK-12) 13688 free
(A,B,H,J,K,L,R,S,V,?) >
:s n8kc
Subject:
:>Demonstration
Enter Message, ^Z (CTRL-Z) or /EX
to End

:>Hey Ken, just demonstrating a
packet session for my article...73,
Paul
:>/EX
Message stored as # 52
(AEA PK-12) 13514 free
(A,B,H,J,K,L,R,S,V,?) >
:>b
*** Disconnected Fm N8KC-1
<Wed,08Mar00 10:08 PM>
```



Leave A  
Gap!

## Repeater Operating Tips

Fred, N8DVO

Here are some operating tips to make you a better repeater user. The tips are meant to help to clear up misconceptions about proper operating procedures and repeater etiquette. My efforts are meant for both new-timers and old-timers alike so read and enjoy.

1. **Use plain language.** "Q" signals were meant for HF CW work, not for FM voice. In CW, Q signals are shorthand of saying many different things without a lot of extra sending. So, don't say, "I'm going QRT when you mean, I am going to leave the air" **QRT** means "I will stop sending." Another commonly misused Q signal is QSY. **QSY** means "I will change frequency" If you are going to move off the repeater to another frequency, say so. Such as, " Let's go simplex or lets go to the 200 machine" or something of that nature. Don't use QTH for your location. **QTH** means "My location is..." Finally, QSO is not a substitute for a contact. **QSO** means "I am in contact with or had a contact with..." Finally, don't use "73" at the end of the 2 meter contact. In CW work, **73** means "Best regards and good wishes" If your are in CW contact with a female operator, you would use the numbers **88** means, "Hugs and kisses." See how the Q signals cut the amount of sending? Use plain language, its easier and clearer, after all, isn't that what communications are all about?
2. **Don't transmit unnecessary verbose verbiage.** See I just did it. When signing off from a contact all you need to do is give your call sign, you don't have to say that you "clear." **Clear** of what? That word comes from police to dispatcher communications as a way of letting the dispatcher know that the police officer has completed his or her assignment and is open for another run or call. If you want anyone listening on the repeater to know that you are available to carry on a conversation, just give your call sign once. You don't have to say, "I'm monitoring, standing by" or anything else. If someone wants to start a conversation, they will give you a call.
3. **"I am destined."** That's a controversial one. There are other more efficient ways of terminating a contact on the repeater. All you have to state is that you are going to have to leave and state that you may be back in a short while or nothing at all. If you want to turn it over to the other person, give his/her call sign and your call sign and that's it.
4. **Don't be a quick keyer-upper.** The courtesy tone is there to do several things. One, it lets the other party know that the person has stopped transmitting and that the conversation will move to you. Finally, it serves to set the repeater's time out timer. On the USECA repeater, the time out timer is set to approximately 3 minutes. If you can't express your ideas in 3 minutes, wow. You gotta come up for air some time! Short communications and waiting a second or two serve a very important function. In case someone has a **real emergency**, this allows him or her a space to break-in with their emergency communications. At least around southeastern Michigan repeaters, when a station calls, "**Break, Break, Break**" three times fast, that's the equivalent of some type of real emergency and **all stations should stop transmitting to let the other station in with it's emergency.** Failure to do so not only puts someone's life in jeopardy, but also is in violation of Federal Communications Commission Part 97 rules. So just wait a second or two to key-up especially during drive time rush hours.
5. **Don't mention private or give sensitive information over the air.** Remember that there are many people listening to your conversation. They maybe listening on 2-meter radios or scanners and their motives may be less than upright. Perish the thought, that other amateur radio operators would use such information in a suitable manner. What is meant by sensitive information? Home and cellular telephone numbers; personal information such as social security numbers, etc. and **never, ever state that you are going to leave town for specific dates.** Now nothing may come of giving such information over the air, but why take a chance? If you use the auto-patch to make a telephone call, again, be careful of what types of information you give out. With cellular telephones so plentiful, get one and use it. But again, be careful a cellular telephone is really an 800-megahertz radio and it can be monitored. [Nextel and local Sprint PCS systems are all digital and can not be monitored—*Ed.*]

## USECA Seti@home Project Update

Mark, W8IR

**T**HE USECA CLUB TEAM SETI (Search for Extra-Terrestrial Intelligence) project has been moving forward at a fantastic rate! Since the project was launched by Mark Milby-W8IR late last year, we have achieved an output of work units that has surpassed many of the 3rd world countries entire output!

The data is received from the Arecibo Radio Telescope, in Puerto Rico is stored on magnetic tape. It is then shipped to the University of California at Berkeley, where the tapes are chopped up into 360k packets of data that you download to your computer for processing. After the work unit is processed, your computer attempts to connect to SETI, and requests another data packet. This process continues until the project is finished.

To date, I know of no other amateur clubs in our area that are working on this project. USECA's core of computer nerds is unmatched by any other club! We have only 13 members, so if you want to join the USECA effort you are welcome to do so. Contact Mark Milby w8ir@bignet.net or Dave Cunningham kc8iaq@arrl.net for more information.

USECA Seti@home project standings as of March 12, 2000:

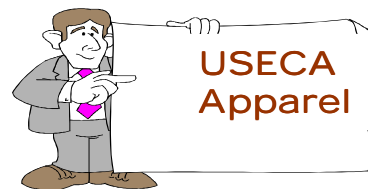
Total Group  
 Work units completed: 5,987  
 Total CPU time: 9.73 years

Member totals:

Member	WU Completed	CPU time
KC8IAQ	1,737	2.77 yrs
KC8IZG	1,154	2.32 yrs
W1RGW	1,133	8192 hrs 14 min
NS8E	790	6921 hrs 40 min
WN8VOT	219	5229 hrs 15 min
KC8HYU	202	2733 hrs 20 min
W8IR	200	4752 hrs 46 min
JoeKidd	170	1889 hrs 44 min
Mike	142	2685 hrs 23 min
KC8LXM	96	1464 hrs 05 min
N8SA	73	1661 hrs 49 min
N8KLX	58	4680 hrs 59 min
Paul	5	347 hrs 10 min

### USECA VE Testing

Examinations for an Amateur License are held the on the first and third Saturday of each month (except July and August). Starting time is 7:15 p.m. — please do not arrive earlier. Walk-ins are welcomed. Pre-registration is not required. Test site is at the Salvation Army, 55 Church, Mt. Clemens. If testing, you must have the following: picture ID (or birth certificate); and a copy of your current license or completion certificates, if any. For more information and directions to the test site, call Bill, N8SA: (810) 468-8345; (before 9:00 p.m.).



Jackets—\$45.00 • Sweatshirts—\$25.00  
 Polo Shirts—\$22.00 • Caps—\$6.00  
 (2X & 3X—Additional Charge)  
**Contact: Richard, KB8WTH**  
**At Meetings or Phone (810) 791-4669**

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. The articles within are those of the author and not necessarily endorsed by USECA. Material contained in the *EXPRESS* may be reprinted provided credit is given to the *USECA EXPRESS* and the author, except material published by permission of a copyright holder. 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 four times "Superior" (1995, 1996, 1997 and 1998) were received from ARNS (Amateur Radio News Service).

## The Paper Tiger Takes a Bite Outta' Crime

### FCC THREATENS MICHIGAN HAM

BANGOR, MI: The FCC sent a Warning Notice February 23, 2000, to Tech Plus licensee Allen J. Stap Sr, N8OKU, advising him that the FCC has received "numerous complaints regarding malicious interference and jamming, apparently originating from your station" to the Kalamazoo Amateur Radio Club's 147.000 MHz repeater. The FCC said some of the interference consisted of "sound effects, unidentified transmissions and keying over on-going communications." The FCC said evidence further indicates that the licensee has been harassing those using the repeater system. "Such operation cannot be tolerated in the Amateur Radio Service," said FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth. He warned Stap that if "legitimate complaints or our monitoring reveal additional instances of this behavior," the FCC intends to designate Stap's station license for a revocation hearing and his operator license suspension for the remainder of its term. The FCC noted that Stap had pled guilty in local district court to interfering with the transmission of public safety messages. According to the FCC, Stap was sentenced to nine months probation and ordered to surrender his 2-meter gear for nine months. Hollingsworth further warned Stap that operation of the type described could result in prosecution and that any issues raised as a result would have to be resolved before the FCC could act on a renewal application from Stap, whose license expires in May 2001.

### OUT-OF-BAND MODS GET AMATEUR IN HOT WATER

The FCC has requested that Jeffrey G. Guss, KF4MWT, of Palm Bay, Florida, retake the Technician class amateur examination elements by March 30 or lose his license. In 1997, Guss was cited for unlicensed operation on 154.6 MHz, for failing to permit FCC personnel to inspect his radio equipment, and for failing to reply to FCC correspondence. Early last year, the FCC upheld a \$2500 fine levied against Guss and denied a payment extension. It's not known if Guss ever paid the forfeiture.

### STILL CB'ING WITH YOUR HAM GEAR???

In Salisbury, North Carolina, the FCC wrote Advanced licensees James W. Walls, NC4JW, and Jerry W. Cartner, K4JWC, and Tech Plus licensee James R. Christie, KF4QWR, on February 24, citing information that the licensees have been using ham gear on the Citizens Band and other frequencies. The FCC also alleged they had been selling transmitting equipment that does not meet FCC certification standards over the air on those frequencies and operating above authorized CB power limits. In separate letters, Hollingsworth warned all three that such operation could jeopardize their amateur licenses. The FCC gave the three licensees 20 days to respond to the allegations.

### INVERSE OF ABOVE—CB'R USING HAM GEAR

JUPITER, FL [UPDATE]: The FCC has affirmed a \$20,000 fine levied on a Florida man last summer for unlicensed operation, willful and malicious interference with Amateur Radio communications, and failure to let the FCC inspect his radio equipment. In a Forfeiture Order released January 31, 2000, the FCC gave William Flippo of Jupiter 30 days to pay the fine or the matter will be referred to the US Attorney. Following an FCC Warning Notice, Flippo initially was notified of the fine last July in an FCC Notice of Apparent Liability alleging violations that occurred the previous month. FCC personnel from the FCC's Tampa District Office have followed up on complaints that Flippo—also known by his CB handle of "Rabbit Ears"—has regularly interfered with hams on 10 meters, 2 meters and elsewhere. The Order acknowledges that the Commission has received information on "at least five occasions" since the fine was levied last July indicating that Flippo continues to violate federal law. Flippo responded to last year's Notice of Apparent Liability by sending the FCC a copy of his bankruptcy filing, "presumably as a claim of Mr. Flippo's inability to pay the forfeiture," the FCC speculated in its Order. "In a case where an NAL has been issued and the recipient continues to engage in the same conduct, we are not inclined to adjust the forfeiture amount, even where the recipient has filed for bankruptcy protection," the Commission said.

### A PAPERWORK TRAIL

LINDEN, MI [UPDATE]: The FCC wrote former ARRL-VEC Volunteer Examiner Andrew Penn, N8JVA, on February 7 to affirm the terms of a voluntary agreement calling for Penn to turn in his Amateur Extra class license for three years, ten months. The FCC had notified Penn August 18, 1999, that it intended to designate Penn's license for revocation hearing and to designate his operator license for suspension for the rest of the license term, which ends February 22, 2004. The FCC action stemmed from a June 3, 1997, Oak Park, Michigan, examination session for which Penn was a VE and submitted the paperwork for applicants, one of them Penn's son. As a result of an FCC investigation, the FCC downgraded the license class of two applicants and canceled a third. FCC evidence indicated that Penn added to the exam session package paperwork for applicants who did not pass the required examination elements at the Oak Park session. Evidence also indicated that Penn apparently applied to the application papers the signatures of three other VEs without their knowledge. The FCC agreement calls for Penn to turn in his license by April 20, 2000. He will be allowed to request renewal on February 21, 2004.

—Continued on Page 13



**USECA 2000 VHF Net Points as received by March 6, 2000**

Call	Name	pts	Call	Name	pts	Call	Name	pts
W1IK	JIM	25	KW8K	STU	9	N8VTF	DON	1
KA2IBE	JOHN	3	N8KC	KEN	4	KB8WCA	BEN	1
VA3AWC	ALBERT	1	W8KC	PAUL	13	KB8WF	VINCE	1
VE3LFZ	MARIE	9	KC8KJR	MATTHEW	6	KB8FWF	MIKE	1
VE3OMP	PAUL	1	KC8KJN	STEVE	5	KB8WH	DAVE	1
VE3PTC	BOB	1	KC8KJS	STEVE	1	KB8WHQ	CHUCK	1
VA3XDN	DAN	1	KC8KRR	GREG	1	KB8WTH	RICHARD	17
KD4DLA	JAMES	1	KC8LDM	MICHAEL	1	WB8X	LENNY	3
KC4ZHC	STEVE	1	KC8LDN	RAY	4	N8XOJ	ISIAH	2
WB8B	BOB	1	KB8LFE	JIM	1	N8YBY	LEONARD	15
WB8HF	BOB	3	KA8LGI	DARREL	8	N8YJI	DINA	5
KC8BIU	TED	7	KC8LJR	SCOTT	1	KB8YNY	MICHELLE	1
AB8BT	ANDY	13	KC8LOC	TOM	22	N8YWS	STAN	1
KC8BXD	HENRY	2	KC8LUM	MIKE	6	KB8YYA	DRELX	3
KB8BZS	KEN	1	KC8LXN	LORIE	1	KB8YYB	DEBBIE	4
K8CFY	JERRY	5	WY8M	ARPAD	5	WB8YZN	CHRIS	1
KC8CPT	DON	13	N8MCD	JIM	3	KB8ZAW	RAY	1
KC8CRJ	RON	1	N8MKG	DENNIS	1	K8ZEC	JOHN	7
N8CVK	MARY	1	N8MOJ	RICHARD	1	KB8ZEH	DICK	2
WB8CZJ	JACK	8	KC8MWW	BRUCE	8	N8ZR	STEVE	2
KC8DBG	BILL	1	KB8MYW	STEVE	1	N8ZZE	JOHN	1
AA8DD	BOB	2	KC8NAG	JIM	1			
WB8DFG	DENNIS	8	KC8NDO	RAY	13			
KC8DIR	BRIAN	25	W8NG	JIM	3			
WA8DKV	MARSHALL	1	KC8NGW	JIM	1			
KB8DSC	JOHN	4	KC8NGY	PAUL	20			
K8DXC	BILL	7	KC8NLE	KEN	10			
K8DZT	FRANK	1	KC8NLJ	MIKE	2			
N8BE	JOHN	22	KC8NLK	JUSTIN	1			
WB8E	WALT	10	KC8NQA	MIKE	1			
KC8ECB	KEN	2	KC8NQL	JOE	1			
WB8DX	EDWARD	2	KC8NGS	ROSS	1			
WB8EEO	CHRIS	1	KC8NUA	DAWN	2			
N8ERV	TOM	1	KC8NUB	RON	1			
K8ES	PHIL	1	KB8NXT	MATT	1			
K8EZ	RANDY	1	N8OEF	VAL	6			
KC8FRW	JOHN	2	N8OEV	DAVE	1			
WB8FUI	PHIL	2	N8OKW	JIM	2			
KC8FYQ	GERALD	1	N8OZ	JOE	8			
KC8GFN	DAVE	1	N8PDZ	MICHAEL	20			
KC8GMS	PHIL	3	WB8PEG	PEGGY	3			
KC8GMT	LORA	15	KB8QFV	FRED	1			
KC8GNH	KEVIN	1	K8QLM	RICHARD	53			
WB8GOL	DAN	1	KB8QMP	BILL	2			
KB8GPO	KEN	1	KB8QMS	NANCY	4			
WA8GQL	DAN	1	N8RAR	WAYNE	10			
KC8GWR	FRED	1	KB8RBV	MANNY	2			
K8HJ	LARRY	15	WB8RNO	LEN	1			
KC8HMG	JANICE	41	WB8RNO	LYNN	1			
KC8HMM	SAM	6	W8RO	FLOYD	3			
N8HTV	JOHN	5	N8SA	BILL	2			
K8HW	STEVE	3	N8SE	JOHN	1			
KC8HYS	PAT	1	N8SIH	BETTY	4			
KC8HYU	JON	31	N8SN	CHUCK	2			
N8HZE	KEN	10	KB8SUL	DAVE	1			
KC8IAP	MARY	12	W8MT	BRENT	1			
KC8IAQ	DAVE	25	KB8TAS	JERRY	12			
W8IC	PHIL	4	KB8TEZ	MATT	8			
W8IDO	DENNIS	1	KA8TIQ	JEFF	1			
K8IF	ANN	4	N8TMJ	MARIANNE	5			
W8IR	MARK	5	KA8TWO	HANK	1			
KC8IZG	DAVE	1	WB8UHQ	DAN	1			
KC8JAA	JAMES	2	KB8UM	MURRY	1			
KC8JCH	RAY	3	W8UV	KIRK	1			
WB8JEK	BOB	2	WB8V	DAVE	31			
K8JN	FRANK	3	WB8VB	KEN	1			
K8JN	PHIL	1	WA8VEB	KEN	2			
WA8JPR	BILL	15	WN8VOT	DAVE	1			

**Top 20 VHF Operators**

Call	Name	pts
1	K8QLM RICHARD	53
2	KC8HMG JANICE	41
3	WB8V DAVE	31
4	KC8HYU JON	31
5	KC8DR BRIAN	25
6	KC8AQ DAVE	25
7	W1IK JIM	25
8	N8SE JOHN	22
9	KC8LOC TOM	22
10	KC8NGY PAUL	20
11	N8DPD MICHAEL	20
12	KB8WTH RICHARD	17
13	K8HJ LARRY	15
14	KC8GMT LORA	15
15	N8YBY LEONARD	15
16	WA8JPR BILL	15
17	W8KC PAUL	13
18	AB8BT ANDY	13
19	KC8CPT DON	13
20	KC8NDO RAY	13

**Top HF operators**

Call	Name	pts
1	K8QLM RICHARD	61
2	WY8M ARPAD	22
3	WA8JPR BILL	18
4	KC8LOC TOM	18
5	KB8TAS JERRY	18
6	KC8HMG JANICE	14
7	KA2IBE JOHN	12
8	AB8BT ANDY	12
9	N8RAR WAYNE	12
10	W1IK JIM	10
11	N8MOJ MARION	10
12	KC8HMM SAM	8
13	N8KC KEN	8
14	KC8ECB KEN	6
15	KC8GMT LORA	6
16	KB8WH DAVE	6
17	W8IC PHIL	4
18	KA8LGI DARREL	4
19	WB8V DAVE	4
20	WB8X LENNY	4

Database c/o KC8HYU (Jon)  
Software written by WU8C (Tom)

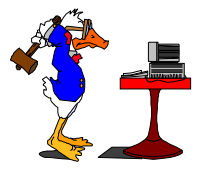
See USECA's "Net Point System Explanation" for info on how net points & awards are earned.

See or call KC8DIR (Brian), USECA's Net Manager, for more information on running a net and earning extra points.

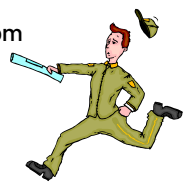
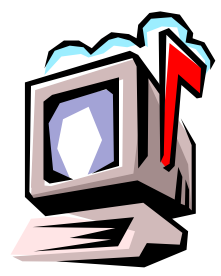
## Members E-Mail Directory

N8ARO, Al: [n8aro@arrl.net](mailto:n8aro@arrl.net)  
 KA8CBZ, Bill: [like2cruz@worldnet.att.net](mailto:like2cruz@worldnet.att.net)  
 K8CFY, Jerry: [irish12@juno.com](mailto:irish12@juno.com)  
 ★W8CQD, Scott: [w8cq@arrl.net](mailto:w8cq@arrl.net)  
 WD8CZJ, Jack: [jack.beckman@mciworld.com](mailto:jack.beckman@mciworld.com)  
 KM5D, Eric: [km5d@amsat.org](mailto:km5d@amsat.org)  
 KC8DBE, Charles: [kc8dbe@ees.eesc.com](mailto:kc8dbe@ees.eesc.com)  
 KC8DBG, Bill: [rwldkelley@aol.com](mailto:rwldkelley@aol.com)  
 KI8DD, Ed: [ki8dd@i-is.com](mailto:ki8dd@i-is.com)  
 W8DFG, Dennis: [wazoo@prodigy.net](mailto:wazoo@prodigy.net)  
 KC8DIR, Brian: [kc8dir@123.net](mailto:kc8dir@123.net)  
 K8DK, Doug: [dougk@home.com](mailto:dougk@home.com)  
 ★W8DMC, Doug: [dmcasamer@yahoo.com](mailto:dmcasamer@yahoo.com)  
 NS8E, John: [ns8e@home.com](mailto:ns8e@home.com)  
 KC8EDK, Brian: [bgeci@oakland.edu](mailto:bgeci@oakland.edu)  
 W8EDX, Ed: [w8edx@arrl.net](mailto:w8edx@arrl.net)  
 KB8EOD, Mike: [mike.galat@unisis.com](mailto:mike.galat@unisis.com)  
 N8ERV, Tom: [n8erv@tir.com](mailto:n8erv@tir.com)  
 KC8FDQ, Dustin: [kc8fdq@ameritech.net](mailto:kc8fdq@ameritech.net)  
 K8FT, Jim: [jkuhns@terayon.com](mailto:jkuhns@terayon.com)  
 WB8FUI, Phil: [wb8fui@yahoo.com](mailto:wb8fui@yahoo.com)  
 KC8GMS, Phil: [pmorell@tir.com](mailto:pmorell@tir.com)  
 WA8GQL, Dan: [radiodan@home.com](mailto:radiodan@home.com)  
 K9GUY, Gary: [glarson@ameritech.net](mailto:glarson@ameritech.net)  
 WB8H, Gordy: [gtuzinsk@flash.net](mailto:gtuzinsk@flash.net)  
 N8HJW, Fran: [fanacre@aol.com](mailto:fanacre@aol.com)  
 KC8HMJ, Rich: [cortina68@aol.com](mailto:cortina68@aol.com)  
 KC8HNQ, Pat: [c172capt@aol.com](mailto:c172capt@aol.com)  
 ★K8HRP, Kim: [k8hrp@arrl.net](mailto:k8hrp@arrl.net)  
 ★K18HW, Steve: [ki8hw@msn.com](mailto:ki8hw@msn.com)  
 KC8HYU, Jon: [kc8hyu@home.com](mailto:kc8hyu@home.com)  
 KC8IAQ, Dave: [kc8iaq@att.net](mailto:kc8iaq@att.net)  
 W8IC, Phil: [pamanor@earthlink.net](mailto:pamanor@earthlink.net)  
 KG8IF, Ann: [pamanor@earthlink.net](mailto:pamanor@earthlink.net)  
 W1IK, Jim: [surgesound@ameritech.net](mailto:surgesound@ameritech.net)  
 KC8IPF, Denise: [kcfamily@tir.com](mailto:kcfamily@tir.com)  
 W8IR, Mark: [w8ir@bignet.net](mailto:w8ir@bignet.net)  
 KC8IZG, Dave: [kc8izg@earthlink.net](mailto:kc8izg@earthlink.net)  
 WA8JPR, Bill: [wa8jpr@qsl.net](mailto:wa8jpr@qsl.net)  
 KC8JSH, Delphine: [delwro@att.net](mailto:delwro@att.net)  
 N8KC, Ken: [kcfamily@tir.com](mailto:kcfamily@tir.com)  
 KC8KJL, Brian: [bline4@aol.com](mailto:bline4@aol.com)  
 N8KLX, Jerry: [n8klx@arrl.net](mailto:n8klx@arrl.net)  
 N8KND, Doug: [dcmartin@oakland.edu](mailto:dcmartin@oakland.edu)  
 KC8LEK, Mike: [mgmagee@greatlakes.net](mailto:mgmagee@greatlakes.net)  
 KC8LIR, Scott: [kc8lir@yahoo.com](mailto:kc8lir@yahoo.com)  
 KK8M, Tom: [kk8m@home.com](mailto:kk8m@home.com)  
 WX3M, Don: [dchishol@oakland.edu](mailto:dchishol@oakland.edu)

U  
S  
E  
C  
A



WY8M, Arpad: [w8m@home.com](mailto:w8m@home.com)  
 ★W8MJY, Mike: [w8mjy@netscape.net](mailto:w8mjy@netscape.net)  
 KC8MSX, Bill: [kc8msx@arrl.net](mailto:kc8msx@arrl.net)  
 KC8MWV, Bruce: [bwebber@ameritech.net](mailto:bwebber@ameritech.net)  
 KC8NDI, Jim: [hpbsand@aol.com](mailto:hpbsand@aol.com)  
 KC8NDO, Ray: [kc8ndo\\_ray@yahoo.com](mailto:kc8ndo_ray@yahoo.com)  
 ★KC8NGY, Paul: [pstoetze@tir.com](mailto:pstoetze@tir.com)  
 N8NQQ, Biff: [baydoun@mich.com](mailto:baydoun@mich.com)  
 K8OEF, Joe: [k8oef@tir.com](mailto:k8oef@tir.com)  
 N8OEF, Val: [n8oef@arrl.net](mailto:n8oef@arrl.net)  
 WB8OIS, Lin: [linhayes@excite.com](mailto:linhayes@excite.com)  
 N8OKW, Jim: [jimmickle@juno.com](mailto:jimmickle@juno.com)  
 N8OZ, Joe: [n8oz@arrl.net](mailto:n8oz@arrl.net)  
 K8PIK, Marilyn: [k8pik@home.com](mailto:k8pik@home.com)  
 KB8QMS, Nancy: [qms03@earthlink.net](mailto:qms03@earthlink.net)  
 WB8QNI, Vance: [vdupuis@prodigy.net](mailto:vdupuis@prodigy.net)  
 KB8RBV, Manny: [kb8rbv@hotmail.com](mailto:kb8rbv@hotmail.com)  
 W1RGW, Bob: [nostep@flash.net](mailto:nostep@flash.net)  
 W8RO, Floyd: [hires@rust.net](mailto:hires@rust.net)  
 N8RRU, Gary: [garydz@home.com](mailto:garydz@home.com)  
 N8RUH, TJ: [n8ruh@tir.com](mailto:n8ruh@tir.com)  
 N8SA, Bill: [william01@home.com](mailto:william01@home.com)  
 N8SN, Chuck: [n8sn@yahoo.com](mailto:n8sn@yahoo.com)  
 KB8TAS, Jerry: [kb8tas@juno.com](mailto:kb8tas@juno.com)  
 ★N8TMJ, Marianne: [mariannemickle@juno.com](mailto:mariannemickle@juno.com)  
 KB8TVV, Jim: [mijma@flash.net](mailto:mijma@flash.net)  
 K8TXS, Alex: [alexj@rust.net](mailto:alexj@rust.net)  
 KE8UM, Murray: [ke8um@flash.net](mailto:ke8um@flash.net)  
 W8VB, Dave: [w8vb@aol.com](mailto:w8vb@aol.com)  
 ★K7VG, Clay: [n8ayu@aol.com](mailto:n8ayu@aol.com)  
 ★WA8VIJ, Gulliver: [gsilvagi@visteon.com](mailto:gsilvagi@visteon.com)  
 N8VLY, Joan: [jlwd@juno.com](mailto:jlwd@juno.com)  
 N8VLZ, Gordy: [n8vlz@expression.org](mailto:n8vlz@expression.org)  
 KB8VWY, Doris: [dlanden@gfn.org](mailto:dlanden@gfn.org)  
 KB8WBV, Ken: [kb8wbv@voyager.net](mailto:kb8wbv@voyager.net)  
 K8WH, Dave: [dlockard@bwb.net](mailto:dlockard@bwb.net)  
 KB8WTH, Richard: [richro2@juno.com](mailto:richro2@juno.com)  
 KB8WVW, Carmine: [cmaresco@excelonline.com](mailto:cmaresco@excelonline.com)  
 WB8X, Lenny: [lsmith@rust.net](mailto:lsmith@rust.net)  
 N8XNM, Ray: [rmacha@mich.com](mailto:rmacha@mich.com)  
 KB8YLB, Ed: [kb8ylb@yahoo.com](mailto:kb8ylb@yahoo.com)  
 KB8YYA, Dreux: [kb8yya@arrl.net](mailto:kb8yya@arrl.net)  
 KB8YYB, Debbi: [cuer@juno.com](mailto:cuer@juno.com)  
 K8ZEC, John: [k8zec@tir.com](mailto:k8zec@tir.com)



"YOU'VE GOT MAIL!"

★New/change from previous.  
 If you are a club member and would like your address published (or changed) in the *Express*, send it via e-mail to K8OEF.

## Y2K Net Point System

- ✓1) HF CW NCO = 4 points, HF SSB/VHF NCO = 3 points, HF CW/SSB check-in = 2 points, VHF check-in = 1 point. HF < 30 MHz, VHF > 30 MHz. (NOTE: Check-ins should do so *personally*, proxy check-ins are legitimate *only* for members on club business. "In & Out" check-ins, though allowed, are discouraged.)
- ✓2) Awards are earned for 50 points and multiples thereof; plaques for the highest annual HF and VHF scores. Awards are meant to encourage **participation** and can be earned by any licensed amateur.
- ✓3) Net logs must be readable and include the CALLS and NAMES of check-ins, as well as NCO, DATE, and MODE.
- ✓4) NCO's: Forward net logs to the Awards Manager within 30 days; logs received later will not earn the bonus points normally awarded a NCO. MAIL logs to: Jon, KC8HYU, 19351 Todd Drive, Clinton Twp., MI 48038; E-Mail: [kc8hyu@home.com](mailto:kc8hyu@home.com).
- ✓5) If *you* notice any errors in the database, wrong or changed call signs, misspelled names, etc., let Jon know ASAP.

**USECA Board Meeting Minutes—March 7, 2000**

In attendance:

KB8YYB, Debbi	President
KB8QMS, Nancy	Vice-President
KG8IF, Ann	Recording Secretary
N8TMJ, Marianne	Membership Secretary
KC8JSH, Delphine	Treasurer
KC8IAQ, Dave	Board Member
W8IR, Mark	Board Member
N8KLX, Jerry	Board Member
W8DFG, Dennis	Past President
*K8CFY, Jerry	Historian
K8OEF, Joe	Express Editor
W8VB, Dave	ARRL Liaison
*K8ZEC, John	Repeater Technician
KC8DIR, Brian	Net Manager
*Absent	



Walt, WB8E; Mary, KC8IAP; Laura; Don, WB8T; Jerry, KB8TAS; Jim, N8OKW

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

Minutes of the last meeting: Correction to February minutes: \$440 was the amount requested for repeater expenses. Motion to approve by Nancy, KB8QMS, 2nd by Delphine, KC8JSH.

Treasurer's report: approved

Membership report: 214 members currently. Discussed number of ARRL members in the club.

Technical committee report: Given by Dave KC8IAQ: new controller to be ready at the end of the week and programming will be finished. Backup system in Mt Clemens to be used for awhile. New cabinet includes exciter, will be put in place at Messina. Old controller will be refurbished as a backup.

Express: Joe, K8OEF will assist Marianne, N8TMJ to update roster.

ARRL: Dave, W8VB has a copy of ARRL letter with restructuring info.

H&W: Marianne gave report on cards sent to members.

**Old Business:**

Fred N8DVO withdrew request made to the BOD in January.

PreFD - no report.

FD: Jerry, N8KLX reported on bonus class non-traditional methods of communications such as demonstrations of APRS, slow scan TV. Discussed power supply options at FD. OK to charge batteries while you are using them, have to run 5 watts. No significant rule changes this year. No set up before 2 PM EST Friday. FD meeting planned in late April or early May. Have 12 stations currently. Stations needing to be filled include 2 m phone, 10 CW, 15 phone, 160 CW.

FD kitchen: Dennis, W8DFG - provided the projected budget for FD kitchen expenses and discussed the items. Motion to accept the budget: Nancy, KB8QMS 2nd - Dave, KC8IAQ, approved. Will request people to bring own beverages for meals.

Picnic: Nancy, KB8QMS approved as annual picnic chairman. The pavilion at New Baltimore Park has been secured for August 27.

Swap: Dave provided flyers for this year's swap. Will be looking for people to volunteer for various positions.

Christmas party: other locations are being considered.

Discussion ensued regarding the club call sign - still in process.

Dennis, W8DFG stated the kitchen meeting is rescheduled to March 25, 7:30 PM, at the Corp.

**New Business:**

Discussion ensued regarding lifetime membership for Richard, K8QLM due to founding member status. Nancy, KB8QMS made the motion to approve lifetime membership. Dave, KC8IAQ 2nd. Motion passed.

Don, WB8T, asked for time at the general meeting to talk about the Michigan QSO party to be held on April 15. Don was asked to do the general meeting program.

Marianne, N8TMJ requests that members inform her when call signs change.

Laura: resigned from bringing the pop to the general meeting. Debbi, KB8YYB will ask for volunteers at the next meeting.

Meeting adjourned at 8:50 PM.

Respectfully submitted, Ann Manor, KG8IF, Recording Secretary



**USECA General Meeting Minutes—March 14, 2000**

KB8YYB, Debbi	President
KB8QMS, Nancy	Vice-President
KG8IF, Ann	Recording Secretary
N8TMJ, Marianne	Membership Secretary
KC8JSH, Delphine	Treasurer
KC8IAQ, Dave	Board Member
W8IR, Mark	Board Member
N8KLX, Jerry	Board Member
W8DFG, Dennis	Past President
*Absent	

The meeting was called to order by the President at 7:34 P.M.

New members, visitors and upgrades were recognized.

Minutes: Correction to the February general meeting minutes: N8HZE donated the study tapes. Minutes approved.

The treasurer's report was presented and approved.

Membership: Marianne, N8TMJ reported 220 members, including 114 ARRL members.

Repeater: John, K8ZEC reported next tech meeting Tuesday 3/21/00 at John's house. Dave, KC8IAQ stated he is working on programming the controller. New voter will handle 8 receivers. Repeater mostly automated now. Also reported on the new features and tones. John NS8E - brought a satellite receiver to the meeting for members to look at.

Express: Joe, K8OEF spoke about next issue - will have a good article on the history of USECA.

Net Manager: Laura, acting for Brian KC8DIR stated she would take names for new volunteers to take nets. Dennis, W8DFG announced that no net points are given for the Thursday night SATERN net.

ARRL: Dave, W8VB brought copies of ARRL flyers listing "Benefits you are entitled to."

See Debbi, KB8YYB for badges and Richard, KB8WTH for USECA apparel.

Tonight's hosts: thank you, Janice KC8HMG, and Laura. April's hosts will be Scott, W8CQD and Kim, K8HRP.

Debbi, KB8YYB informed the membership that the BOD had voted for a lifetime membership for Richard, K8QLM due to his status as a founding father of USECA.

A thank you letter from Richard was read to the membership.

**Old Business:**

Walk America - Dreux, KB8YYA stated many extra volunteers are needed this year due to the anticipated high number of walkers.

Requested volunteer help for the BBQ - Brian, KC8DIR was volunteered by Laura. Date 4/30/00 - be there at 7:00 AM. Bring HT's with at least 2 watts. Jerry N8KLX - special event station - will have 20, 40, 10 meters stations. W8A - call sign.

—Continued on Page 13

The Beginning of USECA —From Page 1

During an after-the-meeting coffee clutch at a Utica restaurant one night, a small group of L'Anse Creuse club members discussed the matter of organizing a new amateur radio club in the Utica area. The proposal proved to be well received by those present. Additional meetings were scheduled and it was then decided that a new amateur radio club should indeed be organized in the Utica area.

The group of hams solidified in their resolve under the direction of John Moore, KA8KTV. A search was instituted for a suitable meeting site for the fledgling organization and the new club moved forward.

After scanning many pages of historical documents given to us by several members, we found the minutes of the January 25, 1985 meeting and they showed an election of officers. Elected to President was John Moore, KA8KTV; Vice President Richard Brege, K8QLM; Secretary/Treasurer John Wuestewald, N8FNO.

Our club's names was selected, the annual dues amount was set, and it was decided that club meetings would be held at Faith Lutheran Church on Shelby Road in Shelby Township.

On February 5, 1985, charter memberships were declared closed as of July 31, 1985.

Our repeater frequency of 147.18 MHz (+600) had been monitored by John Moore and several volunteers for the previous year and had been found to be inactive.

Two days after the year was up, John Moore notified the proper authorities of our intention to use the frequency pair for a new repeater operated by the newly formed Utica Shelby Emergency Communications Association.

Membership was by invitation only and each new member contributed \$100.00 to start the process of getting a repeater on the air. Those are the people named in the *USECA Express* club directory. Later it was necessary to collect additional monies to complete the repeater

system with the promise of a refund when the club became solvent. The additional money paid was later refunded following a motion made and approved at the October, 1987 meeting.

It has been said that John Moore's home on 21 Mile Road contained more equipment than NASA headquarters and if lightning were to strike, it wouldn't know where to hit! President Moore would have liked to have the repeater located there, but in order to do so, he would have had to move out.

Member John Pizzuti, WB8NHT, and his wife Erma, who lived on the corner of Burton and 21 Mile Road in Shelby Township came to the rescue by offering their home for the repeater location. The necessary equipment was mounted on a desk large enough to land a 747, and heavy enough to require additional supports in the basement under the desk to stop it from crashing through the floor.

The desk, which was in a bedroom, took up most of the room but Erma was sympathetic with the cause and she willingly put up with the inconvenience. Erma had no faith, however, in John's support system and it became necessary for him to take over the operation of the washer and dryer! Erma never again entered the basement as long as that desk was in the bedroom.

The repeater antenna was erected in John's backyard by club members, and on April 3, 1985 the repeater, complete with a phone patch, went on the air using the call sign of K8QLM.

After a few months of noisy repeater operation it became apparent an equipment move was necessary. After exploring several locations, arrangements were made to house the repeater at the Messina Trucking Company and to put our antenna on their tower.

Of the dozen members assembled on a Saturday morning to mount our antenna on the tower, only one would climb the tower. Club member Chuck Young, KA8WOT, made the 156-foot climb, hauling the ropes and pulleys

needed to hoist the antenna to the desired location on the tower. Chuck remarked he thought he was in a wind tunnel and he could see downtown Pontiac.

Meanwhile, a large crowd had gathered at Erma's Custard Stand, everyone munching on Erma's best custard while watching Chuck.

The new antenna was safely raised and secured before dark. Installation of the antenna was completed the following morning with Erma's owner reporting record weekend profits. The repeater was moved to the Messina location during the week of August 13, 1985.

As we cruise through the pages of the archives, we find many notations of memorable entries that shaped the future of USECA.

A motion at the meeting of November 12, 1985 split the Secretary/Treasurer job into two positions. Joe Paulson, WD8MFM, took over as Treasurer and Richard, Brege, K8QLM, became Secretary and the minutes reflect, "that he was to do his own typing."

Around the end of 1985, the USECA treasury was in need of additional funds. During a club meeting late that same year, a motion was made and approved that USECA sponsor a pancake and sausage breakfast in order to bolster the club treasury.

Following a search for a suitable location it was decided to have the breakfast in the basement of the American Legion Hall on Cass Avenue in Utica.

The planned all-you-can-eat breakfast was advertised in several area newspapers in advance of the event. Response to the breakfast publicity was very good and the receipts boosted the USECA treasury in a very significant manner.

1986 saw the first issue of our newsletter and our first Field Day. Our first swap meet at the Eisenhower High School was a complete success.

—Continued on Page 13

Bite Outta Crime —Continued from Page 8

### SOUND FAMILIAR??

PARMA, OH: The FCC sent a Warning Notice to Technician licensee Darren M. Turk, KC8CYG, citing monitoring evidence alleging that the licensee had been "deliberately and maliciously interfering with radio operations of repeater systems belonging to the Lake Erie Amateur Radio Association." The FCC said the interference has occurred at various times since March 1999 and includes "interference by random touch tones and by the dialing of telephone numbers for the purpose of bringing up the telephone carrier intercept message and off-the-hook announcement." The FCC said the interference also included unidentified transmissions. FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth warned the licensee that operation of the type described would not be tolerated and that additional incidents could result in a fine, license revocation proceedings, and seizure of equipment.

### AN EX-LOCAL HAM..

LAKE WORTH, FL [UPDATE]: The FCC notified Amateur Extra licensee Joseph A. Keller, W8WW, on October 8, 1999, canceling the club call sign W1GAS. On September 13, the FCC had written Keller to cancel five club station call signs for which Keller was the responsible party. FCC Legal Adviser for Enforcement Riley Hollingsworth indicated that Keller failed to provide adequate justification for holding the call signs. Hollingsworth said that "in accordance with our agreement," Keller would be allowed to retain the club station call signs W3VKS and W4EPO, but will be required to submit "documentation substantiating activities of those two clubs" in one year or those call signs also would be canceled. Hollingsworth also said the FCC was aware that Keller had been requested by the K4VOW repeater licensee/control operator to refrain from using that repeater. "We expect that request to be honored," Hollingsworth said.

Anyone who's been paying attention at all will have noticed by now that the FCC's enforcement activities over the last several months have increased *dramatically*. The FCC has been levying *much* stiffer fines than in the past and is *far* more active in monitoring, following up on civilian and auxiliary reports, and enforcement in both the amateur *and* citizen bands. If you'd like to keep up with the FCC's weekly actions (10-30 average in the Amateur segment alone), try one of these easy-to-use web-sites, <http://www.arrl.org> (search for 'FCC enforcement'), or <http://www.rrsta.com/rain> (the RAIN report, actual FCC letters). The info is also available at <http://www.fcc.gov> if you like having to *really* dig for it.

—Submitted by Ken, N8KC

The Beginning of USECA —Continued from Page 12

Expenses for our auto patch during the first month of operation came to \$4.32 in long distance calls, and the newly instituted Friday midnight Hoot Owl Net, originally intended to be comical in nature, was a good reason to stay up into the early hours of Saturday.

President John Moore opened the May 13, 1986 meeting at 1930 hours. He had been seriously ill for a week and found it necessary to use a bull horn to make himself heard. A few days later, after being hospitalized, John Moore passed away.

The *USECA Express* for May and June 1986 contained an article by then editor, Vance Dupris, WB8QNI, who asked if we remember the "Great White Father of USECA." All of our members did, and we all knew he would be sorely missed.

The years following 1986 are a history lesson in their own right. Through the guidance and leadership of those elected to office, and because of the actions of our membership, USECA had developed into one of the finest and most active amateur radio clubs in the area. We are known nationally and shall continue moving forward with our actively participating membership.

Our first president, John Moore, believed a goal for USECA was to have the membership number well over 100, and to some day, have our annual swap at the Silverdome. The membership goal was reached long ago, could the Silverdome be next?

*Special thanks to John Wuestewald, N8FNO who, when he was Secretary, compiled the minutes and other important paperwork and kept it all these years. John has instructed us to turn historical documents over to our club historian where it will remain as a part of USECA's history.*



### Meeting Minutes—From Page 11

PreFD - Ray, KC8NDO - gave report. Saturday, May 13, 2000, Stony Creek Metro Park. (See article in this Express for details.)

FD - Jerry N8KX - gave report. Will be 5 watt battery. OK to charge batteries from a motor driven generator while you are using them. We will have one big generator with 3 distribution sites. Stations: 14 alpha currently. Still open: 160 CW, 2 m, Novice-Tech. No changes to FD rules due to restructuring.

FD kitchen - Dennis, W8DFG - will have a planning meeting Saturday, March 25 at the Corp. Needs volunteers for tent repair - to be done about 2 weeks before FD. Pans for pass-a-dish will be brought to the May meeting. Please fill them for the Saturday night meal (will be a pig roast).

Nancy, KB8QMS reminded the members about the annual summer picnic in New Baltimore, Sunday August 27.

Dave, KC8IAQ - brief statement regarding SWAP. Coming along well.

Dina, N8YJI: announced that some of the planned camping dates/sites have been sold out. Lakeport sold out for Memorial weekend. Straits State Park and Tawas also sold out. New dates: Straits SP - August, 11-15; Tawas August 15-20. Call 1-800-44PARKS. Group #623476. Contact Dina for more info.

### New Business:

Laura stated she will not be bringing pop any longer. Volunteers?

The business meeting was adjourned at 8:20 PM.

Don, WB8T provided the program on the Michigan QSO party.

Respectfully submitted, Ann Manor, KG8IF, Recording Secretary

**USECA Cork Board**

▶ Radio "Stuff" ◀

★ALINCO DJ-C4T UHF H.T. with manual and battery charger. Mint condition. \$50.00. Richard, K8QLM, (810) 731-4475.

MALDOL mobile 144/430 Dual Band antenna with power tilt over. New in package, not used. Cost over \$230.00 Sell for \$100.00—144 MHz, 5.0 db gain—430 MHz, 7.7 db gain—150 watt F3. Dan, WA8GQL.

SALE. 2-Meter Stick antenna w/approx. 12' co-ax. \$20. (810)-786-5442 KC8BIU, Ted.

★TEN-TEC; complete station. Omni-C transceiver; model 255 power supply/speaker; model 229 antenna tuner (re-strung by T.T. Spring '99); model 243 remove VFO; model 444 linear amplifier. All units are mint condition, with manuals. Package deal only. \$1,400. OBO. Richard, K8QLM, (810) 731-4475.

★WANTED: good set of iambic paddles (Bencher, Kent, etc.), reasonably priced. wy8m@home.com or 810-751-3804

WANTED: Looking for a code oscillator with 1/4" key jack. Sam, KC8HMM.

★WILSON. T-1405; 2-meter H.T. with leather case, manual and charger. \$25.00 Richard, K8QLM, (810) 731-4475.

★New or changed this month. *Notify the editor to have items added and/or removed.*

The Cork Board is for club members only and it's free!

▶ Miscellaneous Items ◀

ATARI LYNX hand held video game with 6 cartridges and carrying case. Like new condition. \$20.00. Dan, WA8GQL

COLEMAN 1993 Seneca Camping Trailer. Queen and double bed provide comfortable sleeping for four adults or 2 adults and 3 kids. Dual dinettes provides sleeping for 3 more kids. Three burner stove and sink inside. Separate high output 2 burner stove for outside. Lots of storage, including a place for the porta potti (saves the late night trips to the facility). Canopy for shade on those sunny or rainy days. Tows great. Dry weight approx. 1400#, so can be towed by about any vehicle. We towed it thru the mountains of California, as much as 18% grades, with a Saab 900, 2.3L in 1998. Excellent condition. \$3800. Those of you who have been at the USECA campouts the last two years have seen it. Contact Jim Mickle, N8OKW, (810) 677-1667, Jim Mickle@juno.com.

EPSON Apex Action Printer L1000, 24 pin dot matrix printer. Excellent condition and works beautifully. Comes with tractor feed, as well as plain paper feed; owners manual and software. First \$20 takes it. Call Floyd at (248) 391-6660 or e-mail: hires@rust.net.

FISHER studio standard bookshelf stereo system. Like new condition, plastic cover. PLL digital fm/am stereo tuner, Two deck cassette tape player/copier, record changer on top, graphic equalizer, CD player. Very little to no use. Model MC-750. \$85.00. Dan, WA8GQL.

GMC '92 Typhoon. Turbocharged, inter-cooled V6 w/AWD, ABS, CD and alarm. Very fast, looks great, runs great and always garaged. 92K miles. \$16K obo. Floyd, W8RO; (248) 391-6660 or floyd@hirescom.com.

OLDSMOBILE '97 Aurora, silver, 42K miles, loaded, excellent condx. Contact Floyd, W8RO, at (248) 391-6660 or floyd@hirescom.com.

SATURN 1995. SL2. Blue/black; 67k miles; auto starter. Dina, N8YJI, (810) 777-4207.

FOR SALE

- 27" Admiral TV, 3yrs. Old; \$200.
- Portable B&W TV 5"; \$10.
- Uniden BC60XLT hand held VHF/UHF 30ch scanner; \$60.
- Realistic home CD player, works; \$20.
- 1988 Dodge Shadow, 4dr, runs great; \$1700.
- Wilson ProStaff ladies graphite golf club set, w/bag & more, like new; \$200.
- Power Supply; Sorensen DCR4-10; 10 amp supply; \$25.
- Power Supply; Sorensen DCR4-20; 20 amp supply; \$50.
- 440 Ringo Ranger II; \$20.
- CB antenna 4' fiberglass; NEW; \$5.
- Sony CDP591 CD player; \$25.
- Xerox 6010 Memorywriter electric typewriter; \$25.
- 386 Computer; \$100.
- Contact Arpad WY8M; 810-751-3804

In the next 8 to 10 years we could be running out of area codes. Area codes by year:  
 1947—84  
 1994—148  
 1996—171  
 1997—215  
 1998—243  
 1999—285

—Internet

**Do I Have It?**

**"Nothing Heard"**

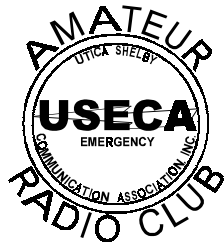
**April Meeting Hosts**  
**Scott, W8CQD and Kim, K8HRP**

Articles for the Express are always due the night of the general meeting.

Have you changed your call sign recently? If you have, please notify Marianne, N8TMJ our club membership secretary. If you don't tell, her who will?

**NAME BADGES**  
 With The OFFICIAL USECA Logo  
 Contact Debbi, KB8YYB: (810) 263-0227

# USECA APPLICATION



DATE \_\_\_\_\_  NEW  RENEWAL  
 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

Rev. 12/98

## 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 Regular: \$20 — Family: \$30 — 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**  
 (Allow 4-6 weeks for processing.)



## 2-Meter LANs

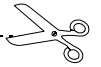
### Local Area Nets

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
SUN-SAT	10:15 pm	S. E. Michigan Traffic Net	145.330
SUN-SAT		MACEOC (Packet)	145.030
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	9:00 pm	Motor City Radio Club	147.240
WED	8:00 pm	GMARC	146.700
WED	8:00 pm	SPIRIT of '76/Info./Traders	146.760
WED	9:00 pm	ARPSC	145.490
WED	9:00 pm	MICHIGAN QRP	145.170
THU	7:00 pm	HPARC/Kids	146.640
THU	8:00 pm	RACES/ARES	147.200
THU	8:00 pm	EDISON/Information	145.330
THU	8:00 pm	SATERN	147.180
THU	9:00 pm	ECHO	147.080
FRI	Midnite	USECA/Hoot Owl	147.180

On The World Wide Web

**USECA Home Page**

[WWW.USECA.ORG](http://WWW.USECA.ORG)



## Net Ops Schedules

### 2-METER NETS

	SUN. 1 PM	MON. 9 PM**	TUES. 8 PM	FRI. MIDNIGHT
WEEK	147.180 MHz	147.180 MHz	147.180 MHz	147.180 MHz
1	KG8IF	N8OEF	K8QLM	KC8IAQ
2	W8IR	W1IK	-Meeting-	KC8MWW
3	K8QLM	N8OEF	KC8IAP	KC8DIR
4	AB8BT	W1IK	W8IR	KC8HYU
5*	WB8E	N8OEF	-OPEN-	-OPEN-

\*\*Slow Code

### HF NETS

	THURS. 9 PM	FRI. 10 PM	FRI. 11 PM
WEEK	21.140 MHz/CW	21.140 MHz/CW	28.425 MHz/USB
1	K8QLM	-OPEN-	-OPEN-
2	N8MOJ	W8RO	KA2IBE
3	W8RO	W8IC	K8QLM
4	AA8DD	WB8E	KC8LOC
5*	-OPEN-	-OPEN-	-OPEN-

\*If applicable

NCO's—If you're unable to take your net please get a replacement  
 or contact Brian, KC8DIR (810) 749-4561—Don't wait!

**USECA Hot Line: (810) 268-6730**

# USECA

UTICA SHELBY EMERGENCY COMMUNICATION ASSOCIATION, INC.  
P.O. Box 1222 • Sterling Heights, MI 48311-1222

**ADDRESS CORRECTION REQUESTED**

**POSTMASTER: DATED MATERIAL**

**BULK RATE  
U.S. POSTAGE  
PAID  
WARREN, MI  
PERMIT NO. 289**



**APRIL 2000**

**USECA . . . Your Final Answer!**

## "The Happenin' Club"

### Club Activities

MONTH	DATE	TIME	EVENT
APR	11	7:30 pm	General Meeting
APR	30	6:30 am	WalkAmerica
MAY	9	7:30 pm	General Meeting
MAY	13	9:00 am	9th Annual Pre-Field Day
MAY	19-21		Dayton Hamvention 2000
MAY	26-29		Campout—Lakeport
JUN	TBA		Trash-For-Cash
JUN	13	7:30 pm	General Meeting—Fox Hunt
JUN	23-25		Campout—p/o Field Day
JUN	24-25		Field Day 2000
JUL	21-23		*Campout—Xmas in July—Algonac
AUG	11-15		*Campout—St. Ignace & Tawas
AUG	15-20		*Campout—Tawas Point; E. Tawas
AUG	27		Annual Club Picnic
SEP	4		Michigan Peach Festival Parade
SEP	22-24		Campout—Western—Algonac
OCT	27-29		Campout—Halloween—Algonac

\* Group Number 623476; Call 1-800-44-PARKS

### Swaps

Day	Month	Date	Where
SUN	APR	16	SEMARA
F,S,S	MAY	19-21	Dayton 2000*
SUN	JUN	18	MONROE
<b>SUN</b>	<b>OCT</b>	<b>22</b>	<b>USECA</b>

\*ARRL National Convention

Source: QRV Bulletin, QST & N8ARO

### 6-METER NETS

	WED 7 PM	WED 8 PM
<b>WEEK</b>	<b>50.150 MHz/USB</b>	<b>51.740 MHz/FM</b>
<b>1</b>	NS8E	NS8E
<b>2</b>	KC8IAQ	K8QLM
<b>3</b>	N8YBY	KC8HYU
<b>4</b>	W8VB	W8VB
<b>5*</b>	-OPEN-	-OPEN-

\*If applicable

NCO's—If you're unable to take your net please get a replacement or contact Brian, KC8DIR (810) 749-4561—Don't wait!