



USECA EXPRESS



Michigan's Largest and Most Active Amateur Radio Club

UTICA SHELBY EMERGENCY COMMUNICATION ASSOCIATION, INC. Volume 16, Number 10, December 2000

Election:

Nominees

The nominations for club officers at the November meeting were as follows:

President

Nancy, KB8QMS (I)

Vice President

Mark, W8IR (I)
Fred, N8DV

Recording Secretary

Ann, KT8F (I)

Treasurer

Delphine, KC8JSH (I)

Membership Secretary

Marianne, N8TMJ (I)

Board Member (3 Elected)

Dave, KC8IAQ (I)
Jerry, N8KLX (I)
Dave, AD8S (I)
Dave, W8VB
Bruce, N8SLN
George, K8GEO

(I) Incumbent

Absentee Ballots

The voting for club officers will take place at the December General Meeting. If you would like an absentee ballot to cast your vote, please contact Jim, N8OKW or Marianne, N8TMJ at (810) 677-1667. The ballots are to be returned by mail to: USECA Ballot, P.O. Box 1222, Sterling Heights, MI 48311, and must arrive prior to the December 12th meeting.

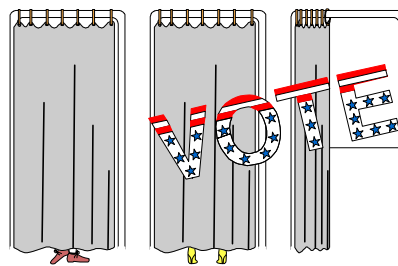
Fun With Mabel-1

Ann, KT8F and Phil, W8IC

HOW DO YOU COMBINE many of the best elements of amateur radio into one neat little package? (Orange package, that is.) Try balloon launching, tracking, and recovery for an excellent adventure in ham radio. This ham radio project combines payload capsule construction with electronics, wind and weather prediction, antenna design, and communication on HF, VHF, APRS, the Internet and Amateur TV. Part of the excitement is, in spite of careful preparation, the uncertainty of the flight and landing—where will the payload end up? In a tree or in a lake? Will it survive intact?

A long term appreciation for amateur radio foxhunting eventually led to an interest in balloon launch and recovery. Phil, W8IC was involved with several launches. He became more intrigued with each launch, and thought nothing of getting up at 3 AM to attend one. He learned more from each event. We came up with the idea to launch our own balloon about a year ago. Initially, the plan was to launch a small balloon with a tiny transmitter attached and then hopefully track it down.

—Continued on Page 11



The USECA Organization—K8UO

Nancy, KB8QMS/President

A TRULY EFFECTIVE CLUB is one that puts at the very top of its club's agenda for the year: Welcoming new hams into the fold. There are hundreds of new licensees, coming into amateur radio each year, and they need our help.

Think back to the time that you first became licensed and how important it was to you to have that assistance from veteran licensees in your local club. "Elmering" is one of the traditions if our great hobby, and it is a concept that needs to be fully embraced now, more than ever.

The payback to you is the development of a potential pool of new club members, with vigorous enthusiasm and fresh ideas, and of course, the reward of knowing that you are substantially helping a new ham find the same joys in amateur radio that you have found. You won't be sorry!

Here are just a few of the "big picture" things that have made the USECA Organization what it is today. Things we have kept on our agenda.

—Continued on Page 6

Notice To Control Ops New Net Point Manager

Please send your net points to Bill, N8NMX.

Bill's email address is:
bstran@yahoo.com.

His address is: 500 7th Street,
Apt. N; Rochester, MI 48307.

His phone number is: (248)
652-6445.

Next Meeting — December 12

CLUB DIRECTORY

BOARD OF DIRECTORS

President Nancy Carr/KB8QMS, (810) 749-3383
 Vice President Mark Milby/W8IR, (810) 415-7104
 Recording Secretary Ann Manor/KT8F, (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 Stormer/AD8S, (810) 412-8104
 Dave Cunningham/KC8IAQ, (810) 791-2720
 Jerry Radcliffe/N8KLX, (810) 731-9041



COMMITTEES

ARRL Liaison Dave/W8VB
 Awards Manager Jon/KC8HYU
 Door Prizes Dina/N8YJI
 Editor Joe/K8OEF, (810) 781-0050
 Field Day Chair Jerry/N8KLX, (810) 731-9041
 Health & Welfare Marianne/N8TMJ, (810) 677-1667
 Historian Jerry/K8CFY
 Mailers/Sorters Ann/KT8F; Phil/W8IC; & Crew
 Net Manager Brian/KC8DIR, (810) 749-4561
 Photographer Richard/K8QLM
 Program Director Mark/W8IR
 Public Relations Officer Ken/N8KC
 Refreshments Don/KC8CPT & Richard/KC8HMJ
 Repeater Trustee John/K8ZEC
 Swap & Shop Dave/KC8IAQ, (810) 791-2720
 Technical Director John/K8ZEC, (248) 828-3742
 Technicians NS8E, K8FT; AD8S, WA8GQL; KC8IAQ; N8KND; WY8M; N8MIV; W8RO; N8SA; W8VB

CONTROL OPERATORS

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

PROGRAMMERS

Scott/W8CQD Dave/KC8IAQ Doug/N8KND
 Dennis/W8DFG Mark/W8IR

VOLUNTEER EXAMINERS

WB8B	KI8HW	WA8IZV	W8NG	N8SA	KB8WTH
NS8E	KW8K	N8KC	N8OEF	N8SN	WB8X
WB8E	W1IK	WY8M	N8OZ	WM8T	KW8Z
N8HTV	W8IR	WT8N			

SILENT KEYS

Len Czapiewski/K8DHH	Joe Steel/KA8IZM	Harry Young/W8VRW
Art Sheff/W8EGV	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	WB80SF 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)



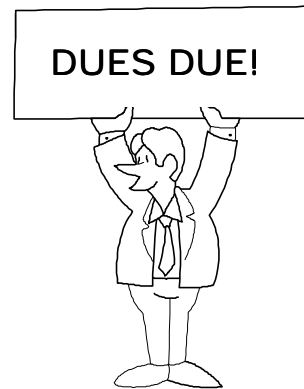
Good (no, GREAT) news — Dave, KC8IAQ has volunteered to again be our swap guru for 2001. A huge thanks to Dave and all who contributed to have such a success in 2000—it keeps improving—the 2000 swap results were better than last year!

Another USECA milestone — on Wednesday, November 8th, the club received its vanity call sign—K8UO (Utica Organization). A big thanks to all who worked so hard (almost a year) to obtain it.

Vote early, vote often—I don't think so—just vote. It was promised the ballots will not be as confusing as they supposedly were in Florida.

The very best to you and yours for a happy and joyous holiday season.

73 for now.



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ID Sequencing

Explanation of the ID's

DAVE, KC8IAQ

IF THE REPEATER HAS not been in use for a period of time and a new user comes up, the controller will ID after he unkeys with the "Initial ID Message". This message could say, "Hi", or "Welcome", etc., followed by the call sign. If the new user holds his carrier up for a period greater than a few seconds, preventing generation of the Initial ID, the controller will send the "Forced CW ID Message" on top of him so that the repeater is ID'd.

After the Initial ID or Forced CW ID, the Pending ID Timer starts to run. When it times out, the controller looks for no repeater activity or for users to let the repeater carrier drop. If they do, the controller sends a "Pending ID Message" at the end of the repeater hang time. The Pending ID can rotate between three ID messages for variety.

In addition, a "Special ID Message" can be added to the rotation for special events. The Pending and Special ID's can conveniently contain infor-

mational messages, as they occur, without interfering with conversations on the repeater. Additional Pending ID messages are available, automatically selected by the Scheduler. If the repeater carrier is not allowed to drop during the Pending ID period (such as when a conversation is in progress), the controller looks for a break between user's transmissions for a period of time to work in the "Anxious ID Message". The Anxious ID could typically be a straight call sign in Morse code or brief synthesized speech ID to minimize distraction to users.

Finally, if the controller isn't given the opportunity to ID between user's transmissions, it sends a "Forced CW ID Message" over the conversation in progress following timeout of the Forced CW ID Timer. The cycle then repeats, and continues as long as there is repeater activity following an ID.

And that makes it legal. Is does ID every 10 and remember at the end of activity. So, it could ID more than once in 10 minutes. There is a built in algorithm for this. Those who always kerchunk the repeater make it have to ID so remember this is why kerchunking is a poor practice.

Example: Repeater is idle for 20 minutes (no transmissions). "kerchunk" The repeater does an initial ID. then, if there are no kerchunks after that an ID will happen 6 minutes later the Pending ID or Final ID. So you get 2 ID's in 6 minutes. But that is the legal requirement.

If you listen, and the repeater is very active, all you will hear are the forced ID's. All voice ID's can be interrupted also by keying up, and the forced ID will go over per requirement. Also, there is no PL transmitted with any of the repeater ID's, so you have the option to block them all out by using PL on the receive side too.

USECA's DVR Programming

Dave, KC8IAQ

THE PROGRAMMERS HAVE been busy over the last few weeks working to restore the special functions of the old controller. Because we may use the old controller for back up or other possible future uses, we needed to go over everything and document it's operation. This will also smooth the transition to the new system.

I would like to update everyone on some of the progress.

Special thanks to Donna, a non ham who has volunteered to do some of the DVR tracks for our club. She has agreed to do periodic announcements for us as needed. Donna also has a scanner now and enjoys listening to our repeater. Who knows? Perhaps she will become an amateur someday. I think it is remarkable that she would do this, considering she has never been involved in radio before.

DVR operations working, including, instant Voice Playback and public mailbox. Touch tone pad test working. Net reminder tail messages the day of the net. Courtesy tone pitch reduced. Forced ID's pitch and output lowered to minimize distraction to the users.

Please remember, it is important for new users and Hams passing through our coverage area to know that we use a PL tone on the system. It makes good sense to have these announcements. Others can learn about us. We can be reminded about events. If you find the announcements distracting, you can use the PL decode option to mask the announcements and ID's.

Note on DVR ID's: The current (old) controller employs an 8085 processor. It can only process one command at a time very slowly. So, you will catch about 1 second of audio before the

controller can intervene, and interrupt the DVR.

How the repeater is used, impacts how it behaves. The repeater has been programmed using these assumptions:

When the repeater is in normal use, there will only be morse ID's during activity.

When the repeater is allowed to drop, a tail message or pending ID message could occur. Ideally, when the repeater drops, you are finished using it, and the ID's all go off when you finish.

Also, please realize that kerchunking the repeater results in excessive system ID's, and should be considered "poor amateur practice" when you fail to identify your station.

—Continued on Page 13

(Listening to USECA's Streaming Audio)

On the Road with Jim, K8FT

October 20, 2000

I've been listening to the repeater for the last couple of days down here in the Costa Salguero district of Buenos Aires and you guys/gals sound good as always. I mailed the SWL card yesterday to the USECA POB. The Argentinian countryside is beautiful and the people are very friendly although few speak English and even fewer speak it well (Spanish is the native language) which can make getting around quite an adventure. The only English speaking TV is the BBC News Channel which is great if you want to stay on top of who's killing who in what part of the world <g>. The lack of English conversation makes listening to the repeater all the more enjoyable even if it is only for a couple of minutes a day. Phone service down here is terrible. The lines crack and pop, which makes dial-up internet access a nightmare, and they may go out and stay out for hours/days at a time. It takes 6-9 months after the order is placed to get a wire line phone but you can walk into a store and be out in 15 minutes with a mobile phone (what they call cellular). Dave, KC8IAQ, you wouldn't believe what their OSP looks like. It's not to be believed.

I've had several very pleasant QSO's on the local repeaters down here. As I said English is limited and my Spanish even more so but they seem very eager to "work Senior Jim" even if it is only "ola y seite trace" (hello and 73).

Thanks again to all for the touch of home. 73 es CUL,

October 30, 2000

Chalk up another country USECA has been heard in. It is cloudy, very windy and rainy mixed with snow in Paris. But as always you guys and gals sound great even if you are

just complaining about the traffic. I've sent my F land QSL card off and later this week I'll be listening to you from KH6. It's a tough trip but someone's got to do it, right? <g>

November 7, 2000

Sat for a few minutes and listened to the USECA information net Sunday afternoon from KH6—Maui to be exact. If the weather in France was crummy then Hawaii has been perfection. Not much listening when there's 100' visibility for scuba diving and sun to get burned laying in. As always the repeater sounds great and the QSL card will be in the mail later today. Looks like next week is Norway—something I hadn't counted on—and another "new one" for the USECA repeater. I'll keep you posted.

BTW, if for some reason these messages are considered spam to the list let me know and I'll quit sending them.

November 14, 2000

Greetings from Oslo, Norway. It is chilly, about 30F, but no snow yet. Since we are located at approximately 60 degrees North latitude it gets dark very early—around 3:30PM. I haven't contacted any local amateurs—work has a nasty habit of getting in the way of fun—yet but I did run into a ham friend of mine from Denver in the Oslo airport and we've been chatting simplex with me signing LA/K8FT/P. As always, the repeater is that touch of home that makes it a little bit better. Tell Walt I'd take the net tonight but I can only listen. I'll talk to you next from Brussels, Belgium (ON Land) and I may be able to actually be at the club meeting next week.

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Goldwater's Call Sign

The famous K7UGA call sign formerly held by the late U.S. Senator Barry Goldwater has been re-issued to the Central Arizona DX Association. The FCC granted CADXA's request for K7UGA on October 24.

The call sign came up for grabs this fall after the mandatory two-year waiting period following the cancellation of Goldwater's amateur license ended. Goldwater died May 29, 1998. CADXA President Gary Capek, K8BN, says the club, which traded its N7KJ club station call sign for K7UGA, plans to keep the call sign active.

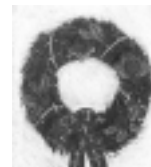
Goldwater's family has donated his amateur equipment, memorabilia and furnishings to the Arizona Historical Society's museum in Tempe. Capek says he's met with representatives of the museum—which plans to reconstruct Goldwater's ham shack as an exhibit—and says CADXA will cooperate in making the call sign available for special events at the museum.

The Goldwater ham shack exhibit still is in the planning stages, and the museum has been soliciting donations from the amateur community to construct the exhibit.

"I have agreed to work with them when they begin to install the old Goldwater shack items in the next year," Capek said.

The K7UGA station equipment and console were removed last May from the Goldwater home in Paradise Valley, Arizona, which has been sold. Goldwater's station and massive antenna system were used to complete thousands of phone patch messages for troops during the Vietnam War.

—ARRL—Submitted by John, N8HTV



A Brief History of United States:

Operator Licensing Requirements and Military Training

William G. Pierpont, NOHFF

In the Beginning.

Prior to 1912 no licenses of any kind were required, either for stations or for amateur operators. An amateur, however, might apply to the Navy Department which would issue a "Certificate of Skill." This merely stated that the successful applicant was "proficient" in code. It had no legal value or necessity.

The First Laws 1912 to 1927.

In 1912 Congress passed the first laws requiring licenses for wireless operators and stations whose signals would:—

- a) interfere with government or bonafide commercial stations (those open to public use) or
- b) cross state lines.

This meant that very, very many "little" stations and their operators did not need licenses. "Little" often included even those up to one kilowatt, the maximum allowed for any licensed station. This was because the "passive" (mostly crystal detector) receivers in those early days were so insensitive that reception over land masses beyond a hundred miles or so was exceptional. The word "amateur" does not appear in these regulations, but is covered by the term "experimental". [In England, by contrast, a license was required even for owning receiving equipment.]

From 1912 until 1933 operator and station licenses were separately issued and were impressive diploma-like documents about 8 by 11 inches. They had to be posted at the station location and were usually framed by the operator. Initially there were two classes of license, with identical qualifications.

Amateur First Grade was by examination by a government examiner covering: radio laws, regulations, proper adjustment and operation of equipment, along with sending and receiving tests at 5 wpm in International Morse code. For those living too far away to come in for personal examination, there was an Amateur Second Grade whose applicant had to certify by mail that he could meet these identical requirements. In Aug. 1919 the required speed was raised to 10 wpm.

When the U.S. entered WW-I all radio activity, receiving as well as transmitting, except for that specifically authorized by the Military, was prohibited. All equipment (including all antennas) had to be either dismantled or sealed. This began on 17 April 1917 and continued until 12 April 1919 when receiving was once again permitted, and finally when amateur transmitting was again allowed on 1 October 1919.

1923—a new Extra First Grade was created requiring at least two years experience as a licensed operator.

A new written examination included requiring the applicant to diagram a transmitter and receiver and to

explain the principles of their operation, plus a code speed test at 20 wpm (the speed required of a Commercial First Class operator). The license was printed on pink paper!. Such operators were qualified for "Special" station licenses which conveyed CW privileges on certain wavelengths longer than 200 meters and also gave them distinctive call signs. As shorter wavelengths came to be used this grade of license lost popularity. In the early 1920's licensed amateurs began to get skittish about working unlicensed stations (with their self-assigned calls), including the "little boys with spark coils." (They were often a big annoyance and source of interference.). The Department of Commerce, however, seems to have taken little notice of them unless they caused serious interference.

THE RADIO ACT OF 1927.

Most of these unlicensed stations had already vanished from the air when the Radio Act of 1927 replaced the Radio Act of 1912 and brought all radio transmissions under regulation for the first time. (Legal doctrine had by then come to hold that Congress had power to regulate intrastate activity where its total effect reacted upon interstate activity.) The days of the "little unlicensed station" were over.

1927—"Special" station licenses Amateur First Grade renamed "Amateur class" Amateur Second Grade renamed Temporary Amateur Grade and valid for one year only, and renewable.

1928—"Special" licenses reinstated on somewhat different terms, and called "Extra First Class" operator.

1929:—the 20 meter band was opened to phone, and Extra First Class licenses were extended by an endorsement "for unlimited radio-telephone privileges" on that band.

??1932—Extra First Class renamed Class A, Amateur Class renamed Class B, and Temporary Class renamed Class C. Ten (10) wpm speed required of all classes.

Operator and station licenses combined on wallet sized card. The special endorsement (of 1929) became available for all amateurs with at least one year of experience, upon passing a special test on radiotelephone subjects. This endorsement was now extended to also include use of phone on 75 meters.

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Don't Ever Dial Area Code 809

This one is being distributed all over the US. This is pretty scary—especially given the way they try to get you to call. Be sure you read this & pass it on to all your friends & family so they don't get scammed!

This scam has been identified by the National Fraud Information Center and is costing victims a lot of money.

There are lots of different permutations of this scam.

HERE'S HOW IT WORKS

You will receive a message on your answering machine or your pager, which asks you to call a number beginning with area code 809. The reason you're asked to call varies it can be to receive information about a family member who has been ill, to tell you someone has been arrested, died, to let you know you have won a wonderful prize, etc.

In each case, you are told to call the 809 number right away. Since there are so many new area codes these days, people unknowingly return these calls. If you call from the US, you will apparently be charged \$2425 per-minute. Or, you'll get a long recorded message. The point is, they will try to keep you on the phone as long as possible to increase the charges.

Unfortunately, when you get your phone bill, you'll often be charged more than \$24100.00.

WHY IT WORKS

The 809 area code is located in the British Virgin Islands (the Caribbean). The 809 area code can be used as a "pay-per-call" number, similar to 900 numbers in

the U.S. Since 809 is not in the US, it is not covered by U.S. regulations of 900 numbers, which require that you be notified and warned of charges and rates involved when you call a "pay-per-call" number.

There is also no requirement that the company provide a time period during which you may terminate the call without being charged. Further, whereas many U.S. phones have 900 number blocking to avoid these kinds of charges, 900 number blocking will not prevent calls to the 809 area code.

We recommend that no matter how you get the message, if you are asked to call a number with an 809 area code that you don't recognize, investigate further and/or disregard the message.

Be wary of email or calls asking you to call an 809 area code number.

It's important to prevent becoming a victim of this scam, since trying to fight the charges afterwards can become a real nightmare. That's because you did actually make the call.

If you complain, both our local phone company and your long distance carrier will not want to get involved and will most likely tell you that they are simply providing the billing for the foreign company. You'll end up dealing with a foreign company that argues they have done nothing wrong.

Please forward this entire message to your friends, family and colleagues to help them become aware of this scam so they don't get ripped off.

—Internet

USECA Organization—From Page 1

We seek to broaden the amateur radio experience and capabilities of our club members. By doing this we have encouraged a spirit of camaraderie amongst our members.

We are a resource to many communities. We are, after all, the amateur radio service. Also our club has developed into a resource to new hams, after all we are the "Friendliest Repeater" around.

USECA has also become an integral part of the ARRL Field Day, this year alone, Third Place in North America for Field Day 2000. The biggest day of the year for amateur

radio. The day when most ham's attention turns to, antennas, generators, equipment, and food. Field Day is in just about every location imaginable, and most hams, in all these locations field day IS the number one focal point of the year.

The meat and potatoes of every club is the clubs' meeting. A regular get-together that allows the handling of business, problem solving, camaraderie, and just plain fun. By keeping in mind the clubs agenda, and OUR clubs responsibilities ensures a sound, secure future for the USECA Organization...73, SK



USECA Board Meeting Minutes—November 7, 2000

In attendance:

KB8QMS, Nancy President
 W8IR, Mark Vice-President
 KT8F, Ann Recording Secretary
 N8TMJ, Marianne Membership Secretary
 KC8JSH, Delphine Treasurer
 KC8IAQ, Dave Board Member
 N8KLX, Jerry Board Member
 AD8S, Dave Board Member
 W8DFG, Dennis Past President
 *Absent



Meeting was called to order at 7:32 PM.

Minutes of the last meeting were approved.

Treasurer's report supplied by Delphine, KC8JSH and approved.

Membership report per Marianne, N8TMJ: 253, 130 ARRL.

Technical committee report: John, K8ZEC. Occasional clipping problem, no significant hardware problems. Dave, KC8IAQ has worked hard on the controller. Fine business job, Dave.

Express: Joe, K8OEF—will be one week late this month since the general meeting will be delayed. Requesting reports of USECA events (such as pre-field day, picnics, foxhunts etc.)

ARRL: Dave, W8VB reported he has been in contact with the bureau regarding QSL problems.

Jerry, N8KLX: FD results—3rd place in North America. Thanks to Jerry and the USECA club for a job well done! Delphine suggested getting field day patches made for the club jackets. Will get prices.

Dave, KC8IAQ—swap reports:

Delphine reported that attendance and table sales were substantially increased from last year. Feedback on the swap was positive. Vendors were happy. Kitchen "was awesome." Dave, W8VB suggested that a communications system be arranged between the main floor room and other rooms for next year. Big round of applause for Dave, KC8IAQ and Delphine, KC8JSH. Dave agreed to do it again next year! Brian, KC8DIR reported on the kitchen—very successful. Another big round of applause for Brian and Laura.

Christmas party: Ann, KT8F reported on the plans. Carpathia Club, Friday evening, December 8, 2000. Cocktails at 6:00 PM, buffet dinner at 7:00. \$18.00 per person. We will have a large, beautiful room for our exclusive use. The optional white elephant gift exchange will be held again. Will be collecting at the general meeting. Cutoff date for reservations: Friday, December 1. Contact Ann at (810) 751-3893.

Badges: Laura Plovski will continue to take orders.

Nancy, KB8QMS recommended that a committee be formed to review the bylaws. Discussion ensued. Dave, W8VB will head up the bylaws committee. Dave, AD8S volunteered to be on the committee.

Jerry, N8KLX made a motion to suspend the requiring of license copies when applying for USECA membership. Dave KC8IAQ 2nd, motion carried.

Meeting adjourned at 8:45 PM.

Respectfully submitted,
 Ann Manor, KT8F, Recording Secretary



USECA General Meeting Minutes—November 21, 2000

In attendance:

*KB8QMS, Nancy President
 W8IR, Mark Vice-President
 KT8F, Ann Recording Secretary
 N8TMJ, Marianne Membership Secretary
 KC8JSH, Delphine Treasurer
 KC8IAQ, Dave Board Member
 *N8KLX, Jerry Board Member

AD8S, Dave Board Member
 *W8DFG, Dennis Past President
 *Absent

The meeting was called to order by the Vice-president, Mark, W8IR at 7:40 PM

New members, visitors and upgrades were recognized.

Thanks to tonight's hosts—Richard, K8QLM and Janice, N8HMJ.

December hosts: Walt, WB8E and Fred, N8DV.

Phil, W8IC gave a talk on the November 5th balloon launch.

The minutes were accepted as printed in the Express.

The treasurer's report was presented by Delphine, KC8JSH and approved.

Repeater: John, K8ZEC reported repeater sounds good. Starting to work on other repeater gear. May try to use existing controller. Will have to run lower power for awhile. Dave KC8IAQ—reported on the DVR, has restored programming and other features.

Express: Joe, K8OEF: reported on Emails—"on the road with Jim, K8FT" and also Email from Jon, KC8HYU—is resigning net point/awards position.

Dave, ARRL: reported on Bureau problems with forwarding QSL cards.

Bill, N8NMX volunteered to be the new net point/award manager.

Membership: Marianne, N8TMJ reported 255 members, 130 ARRL.

H & W: Marianne gave report.

Swap: Dave, KC8IAQ reported on the successful swap and thanked the membership for all the help. He volunteered to do it again, and received loud cheers. The membership also thanked Dave and Delphine for a hard job well done. Dave is already commencing work on next year's swap. Mary, KC8IAP brought goodie baskets she had made to sell, the proceeds earmarked for more expensive swap prizes next year.

Christmas party: Ann, KT8F. Carpathia Club, Sterling Hgts. At intersection of Plumbrook and Utica Rd, east of Schoenner. Friday evening, December 8, 2000. Cocktails at 6:00 PM, buffet dinner at 7:00. \$18.00 per person. We will have a large, beautiful room for our exclusive use. The optional white elephant gift exchange will be held again. Will collect at tonight's meeting. Cutoff date for reservations: Friday, December 1. Contact Ann at (810) 751-3893.

Jim, W1IK requested volunteers for the Monday night CW net.

New Business

Bill, N8SA: requested help taking down a tower Friday, November 24.

Need a new chairperson for the PA system.

Dreux, KB8YYA reported on interference on the 446.2 repeater.

Dina, N8YJI suggested making reservations now for Memorial Day Campout at Lakeport to ensure a spot as it fills up fast.

Bill, N8SA: show and tell—little butane soldering iron.

Floyd, W8RO opened nominations for the December election of the 2001 officers.

President:
 Nancy, KB8QMS

Membership Secretary:
 Marianne Mickle, N8TMJ

Vice-President:
 Mark Milby, W8IR
 Fred Regan, N8DV

Board Members:
 Dave Stormer, AD8S
 Dave Martin, W8VB
 Bruce Webber, N8SLN
 Jerry Radcliff, N8KLX
 Dave Cunningham, KC8IAQ
 George Schutte, K8GFO

Treasurer:
 Delphine Wrona, KC8JSH

Recording Secretary:
 Ann Manor, KT8F

Nominations will reopen prior to the election in December.

The meeting was adjourned at 9:15 PM.

Respectfully submitted,
 Ann Manor, KT8F, Recording Secretary

USECA 2000 VHF Net Points as received by 11-20-2000

Call	Name	pts	Call	Name	pts	Call	Name	pts
NFOZ	LARRY	3	KC8KNH	LAURA	2	K8YYA	DREUX	8
W1IK	JIM	105	KC8KRR	GREG	2	K8YYB	DEBBIE	7
N1LZU	BOB	5	N8KSL	JIM	3	W8YZN	CHRIS	9
KA2IBE	JOHN	4	W8LCZ	BYRON	2	KW8Z	KEN	23
WX3L	MICHAEL	2	KC8LDM	MICHAEL	2	K8ZAW	RAY	2
VE3LFZ	MARIE	19	KC8LDN	RAY	11	K8ZEC	JOHN	25
WN4DEM	DON	2	W8LEN	LEN	2	K8ZEZ	DKC	4
KC8ARS	HENRY	5	K8LGI	DARREL	38	N8ZR	STEVE	2
W8BHF	BOB	14	KC8LR	SCOTT	2	N8ZZE	JOHN	4
KC8BIU	TED	9	KC8LOC	TOM	109	N8ZZF	PAT	4
A88BT	ANDY	60	KC8LUM	MIKE	10	N8VTF	DON	3
KC8BXD	HENRY	8	WY8M	ARPAD	8	K88WF	VINCE	2
K8CFY	JERRY	19	N8MCO	JIM	13	K8VH	DAVE	4
K8CPA	CHUCK	3	KC8MES	FRED	2	K88WHQ	CHUCK	3
KC8CPT	DON	44	KC8MSX	BILL	5			
KC8CRJ	RON	3	KC8MWV	BRUCE	22			
W8CZJ	JACK	22	W8SN	BILL	5			
KC8DBG	BILL	5	KC8NAG	JIM	2			
A8DD	BOB	2	KC8NDI	JIM	3			
W8DFG	DENNIS	26	KC8NDO	RAY	54			
KC8DIR	BRIAN	95	K8NDY	DAN	2			
W8ADKV	MARSHALL	3	W8NG	JIM	7			
K8DSC	JOHN	6	KC8NHV	HAROLD	2			
K8DXX	BILL	17	KC8NLE	KEN	24			
N8SE	JOHN	47	KC8NLJ	MIKE	2			
W8BE	WALT	42	KC8NOE	KEN	3			
K8CECB	KEN	5	KC8NOA	MIKE	11			
KC8EDK	BRIAN	2	KC8NQS	ROSS	3			
W8EDX	EDWARD	12	KC8NUA	DAWN	2			
KC8EPQ	ROGER	3	KC8NYR	SUSAN	2			
N8ERV	TOM	4	N8OAE	ERNIE	3			
KT8F	ANN	2	KC8OBH	DAVE	3			
N8FGB	RICH	2	K8OEF	JOE	10			
KC8FRW	JOHN	4	N8OEF	VAL	16			
W88FUI	PHIL	6	N8OEV	DAVE	2			
A88FV	DAVE	5	KC8OGA	ANNMARIE	2			
A88FW	JOE	3	KC8OGC	GRANT	6			
KC8FYP	GEORGE	2	N8OKW	JIM	4			
K8FZF	DAVE	5	KC8OXF	ARVIN	4			
K8GEO	GEORGE	8	N8OZ	JOE	23			
KC8GFN	DAVE	2	N8PDP	MICHAEL	77			
KC8GMS	PHIL	3	W8PEG	PEGGY	4			
KC8GMT	LORA	48	K8QLM	RICHARD	230			
K8GPO	KEN	2	K88QMP	BILL	10			
W88QL	DAN	6	K88QMS	NANCY	15			
KC8GWR	FRED	2	N8RAR	WAYNE	31			
K8HJ	LARRY	40	K88RBV	MANNY	9			
N8HM	PAUL	63	W8BRNO	LYNN	2			
KC8HMG	JANICE	162	W8RO	FLOYD	34			
KC8HRH	MARK	2	N8RUH	TJ	2			
N8HTV	JOHN	12	N8SA	BILL	6			
K8HW	STEVE	6	N8SH	BETTY	16			
KC8HYU	JON	74	N8SLN	BRUCE	10			
N8HZE	KEN	21	W8SLR	SAM	12			
KC8IAP	MARY	20	N8SN	CHUCK	3			
KC8IAQ	DAVE	76	K88SUL	DAVE	4			
W8IC	PHIL	5	K88TAS	JERRY	17			
K8IF	ANN	10	K88TEZ	MATT	18			
W8IFL	DAVE	3	K88TQ	JEFF	3			
W8IR	MARK	6	N8TKH	JOHN	2			
KC8JAA	JAMES	2	N8TMJ	MARIANNE	13			
KC8JCH	RAY	3	K8TXS	ALEX	3			
W8JEK	BOB	5	K8UHG	STEVE	2			
K8JN	FRANK	3	K88UM	MURRY	2			
K8JN	PHIL	10	N8YJI	DINA	12			
W8JPR	BILL	21	K88WTH	RICHARD	43			
KC8JSH	DELPHINE	3	W8BX	LENNY	5			
KW8K	STU	24	KF8XO	FLOTSKI	2			
N8KC	KEN	6	N8XO	STEVE	3			
W8KC	PAUL	32	N8XOJ	ISAAH	2			
KC8KR	MATTHEW	12	N8YBY	LEONARD	73			
KC8KJN	STEVE	24	K8YRW	STEVE	3			

Displayed min of 2 Points

Top 20 VHF Operators

Call	Name	pts	
1	K8QLM	RICHARD	230
2	KC8HMG	JANICE	162
3	KC8LOC	TOM	109
4	W1IK	JIM	105
5	W8VB	DAVE	104
6	KC8DIR	BRIAN	95
7	N8PDP	MICHAEL	77
8	KC8IAQ	DAVE	76
9	KC8HYU	JON	74
10	N8RYB	LEONARD	73
11	N8HM	PAUL	63
12	A88BT	ANDY	60
13	KC8NDO	RAY	54
14	KC8GMT	LORA	48
15	N8SE	JOHN	47
16	KC8CPT	DON	44
17	K88WTH	RICHARD	43
18	W8BE	WALT	42
19	K8HJ	LARRY	40
20	K8LGI	DARREL	38

Top HF operators

Call	Name	pts	
1	K8QLM	RICHARD	230
2	KC8LOC	TOM	94
3	WY8M	ARPAD	90
4	KC8HMG	JANICE	72
5	W8RO	FLOYD	60
6	N8KC	KEN	54
7	N8RAR	WAYNE	50
8	W1IK	JIM	46
9	KA2IBE	JOHN	40
10	W8SLR	SAM	38
11	W8TN	PHIL	38
12	A88BT	ANDY	38
13	K88TAS	JERRY	31
14	W8TN	BILL	28
15	N8MOJ	MARION	28
16	KC8GMT	LORA	24
17	A88HM	PAUL	20
18	K8LGI	DARREL	20
19	K8HJ	LARRY	18
20	K8ZEC	JOHN	12

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

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

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

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U

S

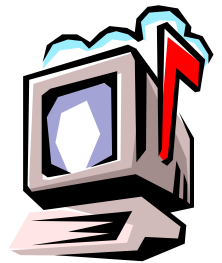
E

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 ★New/change from previous.



"YOU'VE GOT MAIL!"

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

On The Road Again—From Page 4**November 17, 2000**

Greetings fellow USECAN's,

Well, it's been a day of planes, trains and automobiles traveling from Oslo (LA) to Brussels (ON). Suffice it to say that after a combination of weather and equipment delays I am finally here in Brussels albeit 5 hours late. After a good night's sleep (I'm thinking positive) I have an early meeting tomorrow morning (Friday) then on to the airport and home by Friday evening EST (-5 UTC).

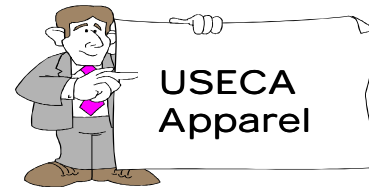
BTW, Brussels is the English spelling. The Dutch spell it Brussel (pronounced Brew-sell) and the French spell it Bruxelles (pronounced Brucks-els).

I haven't had much time but I did get a few minutes to listen to THE repeater. As always, the connection to home helps even a bad day get a little bit better. I also had an opportunity to have a brief QSO on one of the local repeaters with Geert, ON4BRB. His English was limited but much better than my Flemish. We only exchanged pleasantries and info but it was enjoyable. When I ID, which has to be done at the end of EACH transmission, it is as ON/K8FT/P (/M if I'm mobile). You have to say "mobile" or "portable" not just "M" or "P". Believe me, that mouthful can make even a short QSO long.

I'm going to try and make the club meeting this Tuesday. Hope to meet some of you in person there. Time to close and get some sleep.

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, contact Bill, N8SA; Don, WA8IZV; Joe, N8OZ; or Mark, W8IR.



Jackets—\$45.00 • Sweatshirts—\$25.00
 Polo Shirts—\$22.00 • Caps—\$6.00
 (2X & 3X—Additional Charge)
Contact: Richard, W8WTH
At Meetings or Phone (810) 791-4669

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 your logs to: Bill, N8NMX, 500 7th Street., Apt. N, Rochester, MI 48307; E-Mail: bstran@yahoo.com.

✓5) If *you* notice any errors in the database, wrong or changed call signs, misspelled names, etc., let Bill know ASAP.

Stay Radioactive!

Mabel-1—From Page 1

As time went by, the idea expanded into a full-scale project and MABEL-1 was born. (Michigan Area Balloon Experimental Launch.) We were able to attract the support and expertise of several others, notably Chris, N8UDK and Jeff, N8QPJ, who are ATV aficionados and have a great interest in things that fly. Over the course of several months, the project began to come together. The parachute and balloon were ordered. The payload equipment was assembled and weighed. (We were restricted to a maximum weight of 6 lbs.)

Phil put together a couple of prototype containers. The first was too heavy, and the second fell apart, since the glue that was used ate up the styrofoam. Jeff took one look, and offered to build the payload container. He used many techniques of radio control aircraft construction. Chris and Jeff combined their expertise, and designed and assembled the payload contents. They also donated most of the equipment for the payload.

The payload equipment consisted of 2 two meter transmitters, for sending voice announcements along with packet and CW data. Also included was a 1 watt amateur television transmitter, for sending video from the 2 cameras on board. Chris designed a video-overlay board which provided altitude, latitude, and longitude info on the video picture. A small but high quality GPS unit was also included. It performed flawlessly at over 90,000 feet. All this equipment was powered by two 15-volt lithium ion battery packs.

It was necessary to predict the wind direction and speed, and web sites were consulted. Balltrack was a useful program. It accepted wind data from the NWS and projected a landing site. Initially, launch day was

scheduled for Saturday, November 4. However, it became necessary to delay the launch one day because of high winds. The hoped-for landing area was to be the mid-thumb area, but it was not to be. Instead, the forecast for Sunday projected the balloon landing site to be in the Howell area, which was acceptable, and the launch was "a go".

The crews assembled at a picturesque farm near Bannister, MI, courtesy of Dallas and Robin Sutliff, relatives of Betty, N8SIH. The launch site was perfect. Surface winds were minimal and the day was cool but clear. Doug, KA8QCU managed the balloon as it was filled with 244 cubic feet of Helium. The parachute and payload were attached and the balloon sailed skyward at 11:19 AM (1619 UTC). It drifted nearly straight up and the TV camera transmitted video of the barn below for nearly 10 minutes before starting the trek southeast. At this point, the launch team then switched gears and became a chase team, joining numerous other vehicles with odd looking antennas. John, K8ZEC was equipped with a doppler set-up. Others had quad, yagi, and even egg beater type antennas. All were in hot pursuit.

During the flight, HF and VHF nets were handled by Floyd, W8RO, who lives in the Clarkston area, a perfect spot for net control operations in this event. Gerry, K8GER assisted as an alternate NCO when Floyd was occupied on VHF. The 40 meter net functioned very well, bringing in many reports from five states and Canada. Floyd was also able to direct traffic to the landing area by observing the APRS Internet site.

A cut-down device had been armed and was expected to release the balloon at 40,000 feet. The device ignited, but failed to melt the string

and the balloon continued to rise. It floated 55 miles SE and achieved a height of 94,389 feet before bursting. The video obtained from this altitude was amazing and actually showed the black sky and a curved horizon. The payload was recovered in a clearing in a State Recreation Area 2 miles SE of Milford at 1:45 PM (1845 UTC). It was retrieved undamaged within 18 minutes of landing. The spot was only 0.7 of a mile from Lake Sherwood. Appropriately, Jeff (the payload builder) was the first one to reach MABEL-1. Several other recovery personnel were in the area as well. Keith, W8KD retrieved the parachute and remains of the balloon, while Wayne, N8RAR shot video at the landing site.

Meanwhile, back at the roadside, many more hams including USECAN's had joined the group. All welcomed the sight of Jeff, Chris, John, NS8E and the other deep woods trackers as they emerged from the thick forest carrying the prize. There were lots of cheers and huge grins. As expected, the teams enjoyed exchanging reports of their tracking experiences.

We enjoyed a great dinner and debriefing at a nearby restaurant after the event and the stories continued. The parting comment of most participants was "when's the NEXT ONE?"

A video is being assembled to be shown at an upcoming USECA meeting. A web page will follow which will document the entire project.

We wish to thank the many USECAN's and other hams (too many to list here, but you know who you are and we do too), that participated in this event and/or sent in reports. You certainly helped make it a successful project and we hope you had fun.

See you at the NEXT ONE—"MABEL-2."



Licensing —From Page 5

1933 AND AFTER.

In 1933, after the creation of the Federal Radio Commission, amateur regulations were completely revised and operator and station licenses were combined on a single, wallet-sized card, good for three years. Extra First Class licenses would no longer be issued. A minimum code speed of 10 wpm was required of all three classes of license: A, B and C. Class A (advanced) required one year of experience, a written examination on both phone and telegraph theory and regulations, and conveyed exclusive phone use on 20 and 75 meters, and was renewable by application. The Class B (general) examination covered less on phone operation, and gave all privileges not reserved for Class A, but required re-examination for renewal. Class C, a temporary license for those living 125 or more miles from an FRC examining point (administered by class A or B amateur), differed from Class B only in being taken by mail.

1936 the code speed for all classes was raised from 10 to 13 wpm.

1951 And After.

1951—the whole structure was revised for Amateur licenses: Extra Class (new, available 1 Ja. 1952), 20 wpm, no exclusive privileges, two years Advanced Class (previously Class A), 13 wpm General Class (Previously Class B) 13 wpm Conditional Class (previously Class C, by mail, 125 miles or more), 13 wpm Technician Class (new, available 1 July 1951), 5 wpm, 5 years

Novice Class (new), 5 wpm, one year, non-renewable.

1952—hams licensed before May 1917 eligible for Extra class without examination.

1953—no new Advanced Class to be issued.

1954—Novice and Technician available by mail only after 10 Jan., if over 75 miles from examination point.

1964—on 17 Mar. filling fee \$4.00 assessed for new or renewal of license, except no fee for novice.

1967—incentive licensing was adopted. Advanced class was reactivated and given more spectrum than General class, but less than Extra class. Novice class licenses were extended to two years.

1968—Advanced and Extra were made available for shut-ins, and Technician class eligible for Novice.

1970—fees increased to \$9.00, five years license duration.

1976: required new Technician class to be tested by FCC examiner.

Volunteer Examiners.

1983 Volunteer Examiner (VE) system set up to conduct Technician and General class by December.

Various Military Training requirements.

At the outbreak of WW-I the U.S. Military forces desperately needed wireless operators and equipment. Many amateurs volunteered as operators and as teachers. Training in all phases was minimal, and "operators" were usually graduated without having had any hands-on experience with the actual equip-

ment or operating procedures. (Absolute radio silence was the rule in general—except for the most extreme emergencies on the high seas.)

For operators in the WW-II period Signal Corps graduation requirements were: 25 wpm plain language, 20 wpm code groups with pencil or mill, receiving, and 25 wpm sending. Qualifications for field operators—20 wpm pencil printing copy and perfect sending copy at 15 wpm; for fixed base operators—35 wpm straight copy on mill.

For Marine Corps graduation they were: 20-23 wpm plain text, 15-18 wpm coded groups, 17 wpm perfect sending of plain text. WWII training varied widely between various schools, but included actual operating procedures though wired QSO's among themselves to overcome the beginners' initial "buck fever" and to set them up as operators.

Real radio interference—learning to copy through QRM and noise—was added, and it became louder as the student progressed. Advanced students also practiced on the "mill" (typewriter). For high speed training, there was a room where high speed press was copied for practice.

In 1988 a U.S. Special Forces radio operator's test required 18 5-character groups (e.g., QY9/Z 6G.J4 X5,B7, etc.) a minute.

—Submitted by Floyd, W8RO

USECA Web Site " Hits "

Doug, K8DK

We went over the 25,000 hit mark on the USECA web page.

June 2000 1,216
July 2000 863
August 2000 990

September 2000 1,248
October 2000 1,857
(1/2) November 2000 792

We are getting the to be known around the world.
Thanks to all who have contributed to the web site.

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.

BEAM, 15M 3 ele, used for FD twice, otherwise stored inside, w/balun and manual, \$150. WY8M 810-751-3804 or wy8m@home.com

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

★SONY ICF-2010, One of the best world band portable radio receivers ever made, full AM band coverage (LW/MW/SW) plus FM and Air Band reception, current production, new in box, manuals & accessories, \$275. Call George, K8GEO, (248) 651-8615.

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.

★VIBROKEYER Standard, new condition paid \$139 asking \$125 or best offer. Fred, n8dv@arrl.net

WANTED: Alinco 2 meter credit card HT for high altitude balloon project; contact Phil W8IC at (810) 751-3893, or w8ic@arrl.net.

▶ Miscellaneous Items ◀

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.

★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!

FOR SALE

★Battery isolator for vehicle. New in box. Unknown size. No paperwork. \$30. Portable B&W TV 5"; \$10. 440 Ringo Ranger II; \$15. Sony CDP591 CD player; \$25. Contact Arpad WY8M; 810-751-3804 or wy8m@home.com

DVR Programming—From Page xx

The repeater sensitivity to "hot audio" where users are dropping out can usually be corrected by reducing background noises, (open windows) and speaking softer, or holding the microphone at a farther distance as you speak. We hope to correct this soon. Stay tuned for more details.

Name Badges
 WITH THE OFFICIAL USECA LOGO
 CONTACT LAURA — (810) 749-4561

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

Field Day 2000 Results
 Top 5 Scores

Call Sign	Score	Class
W3AO	31,534	30 A
W4IY	24,904	14 A
KK8M	22,835	17 A Battery
W2GD	20,628	6 A

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).

STATE OF MICHIGAN



Executive Office

John Engler
Governor

EXECUTIVE DECLARATION

Governor John Engler
Hereby Issues this Executive Declaration
In Observance of
June 19 - 25, 2000

AS

AMATEUR RADIO AWARENESS WEEK

WHEREAS, there are over 22,000 amateur radio operators in the State of Michigan and over 80 amateur radio clubs who have demonstrated their value in public assistance by providing, at their own expense, free emergency radio communications; and

WHEREAS, many of the Michigan radio amateurs, who are on volunteer status to assist in any emergency, local or worldwide, will demonstrate their radio communication skills during the American Radio Relay League's (ARRL) Annual Field Day Exercises; and

WHEREAS, in cooperation with NASA and its astronauts, Michigan amateur radio operators and the ARRL provide additional public services by setting up portable amateur radio communication links between astronauts in space and Michigan students in their classrooms, opening the eyes of young people to the realities of space, science, and engineering; and

WHEREAS, the ARRL, the national association for amateur radio, headquartered in Newington, Connecticut, provides internationally broadcast bulletins, training programs, and a staff of professional engineers, technicians, and legal counsel for its members in Michigan and throughout our nation; and

WHEREAS, the ARRL's broadcasts via amateur radio reach two and a half million licensed radio amateurs plus uncounted numbers of electronic engineers, technicians, and experimenters; and

WHEREAS, this year's Amateur Radio Field Day, which will take place on June 24 and 25, will be a 24 hour round-the-clock operation under emergency power where Radio Amateurs will test their own skills and the readiness of their equipment from the Michigan fields, hillsides, and woodland clearings;

NOW, THEREFORE, I John Engler, Governor of the State of Michigan, do hereby declare June 19 - 25, 2000, as AMATEUR RADIO AWARENESS WEEK in Michigan.

Given under my hand on this second day of June in the year of our Lord two thousand and of the Commonwealth one hundred and sixty-three.

John Engler
Governor



USECA APPLICATION



DATE _____ NEW RENEWAL
 CALL _____ CLASS _____ AUTO-PATCH _____
 NAME _____
 STREET ADDRESS _____
 CITY _____ STATE _____ ZIP _____
 TELEPHONE # _____ PRINT IN ROSTER YES NO
 BIRTHDATE _____ EMAIL ADDRESS _____
 MEMBER: ARRL YES NO RACES YES NO

Rev. 12/00

FOR FAMILY MEMBERSHIPS ONLY:

CALL _____	CLASS _____	CALL _____	CLASS _____
NAME _____		NAME _____	
BIRTHDATE _____		BIRTHDATE _____	
MEMBER: ARRL <input type="checkbox"/> YES <input type="checkbox"/> NO		MEMBER: ARRL <input type="checkbox"/> YES <input type="checkbox"/> NO	
RACES <input type="checkbox"/> YES <input type="checkbox"/> NO		RACES <input type="checkbox"/> YES <input type="checkbox"/> 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	USECA/Traders/Helpers	147.180
SUN	8:00 pm	SPIRIT of '76	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	7:30 pm	SATERN	147.180
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	9:00 pm	ECHO	147.080
FRI	Midnite	USECA/Hoot Owl	147.180

On The World Wide Web

USECA Home Page

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-	KC8LOC
2	N8MOJ	W8RO	KA2IBE
3	W8RO	W8IC	K8QLM
4	AA8DD	WB8E	-OPEN-
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

PRESRT STD
U.S. POSTAGE
PAID
WARREN, MI
PERMIT NO. 289



DECEMBER 2000

"The Happenin' Club"

Club Activities

MONTH	DATE	TIME	EVENT
DEC	8	6:00 pm	13th Annual Christmas Party
DEC	12	7:30 pm	General Meeting—Elections
JAN	9	7:30 pm	General Meeting
FEB	13	7:30 pm	General Meeting
MAR	13	7:30 pm	General Meeting
APR	10	7:30 pm	General Meeting
APR	29		WalkAmerica
MAY	8	7:30 pm	General Meeting
MAY	TBA		Pre-Field Day
MAY	18-20		Dayton Hamvention
JUN	12	7:30 pm	General Meeting
JUN	23-24		Field Day

Swaps

Day	Month	Date	Where
SUN	DEC	3	L'Anse Creuse
SUN	JAN	21	Hazel Park
SUN	FEB	18	Livonia

Source: N8ARO

6-METER NETS

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