

# "THE U.S.E.C.A. EXPRESS"

**UTICA-SHELBY EMERGENCY  
COMMUNICATIONS ASSN.**

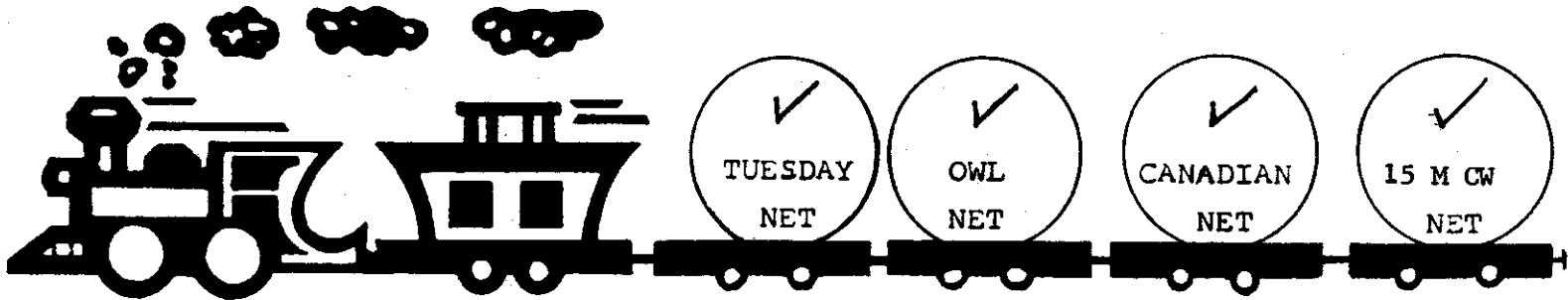
**MACOMB COUNTY**

**147.18/78**

PUBLISHED MONTHLY  
BY  
USECA INTERNATIONAL

YOUR EDITOR: WB8QNI

EXPRESS YOUR TRAIN OF THOUGHT,  
BY PARTICIPATING IN ONE OR ALL USECA NETS!



**U.S.E.C.A.**

**Utica-Shelby Emergency Communications Assn.**

P.O. Box 1222  
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*MAY 1987*

# U.S.E.C.A. FACTS

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f Founder c Charter h Hon. Charter

K8BKTU f c	N8HCT f c
N8FNO f c	K8IZM f c
WD8MFN f c	WB8NHT f c
K8QLM f c	K8BBDG c
WB8QNI c	WB8VZZ c
K8EJOT c	N8FDC c
NSBK h	WB8OSF h
K8VYV h	NSAWV h
J. Haubner c	
G. Marquardt h	

## POINT NETS

Sun. 1300 EDT 147.78/147.18  
 Tue. 2000 EDT 147.78/147.18  
 Thu. 1930 EDT 21.165 CW  
 Fri. 2359 EDT 147.78/147.18

## OTHER NETS

Sun 2200 EDT 21.125 CW  
 Mon. 2200 EDT 21.125 CW  
 Tue. 2100 EDT 28.400 SSB  
 Tue. 2200 EDT 21.125 CW  
 Wed. 2200 EDT 21.125 CW  
 Thu. 2200 EDT 21.125 CW  
 Fri. 2200 EDT 21.125 CW

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NSAWV	Ron Starr
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K88F	Doug Kaheri
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NSBK	Bob Krause
K8BRUN	Dick Krall
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N8BWG	John Miller
WB8GDT	Ralph Irish
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KD8VJ	Don Beckmon
WB8WWT	Gordie Tuzinski
N8ZR	Steve Putman
K88F	Doug Kaheri
N88F	Joe Lucido
WB8GDT	Ralph Irish

## *Silent Keys*

N8WVF Charles Smith, 7/23/85  
 K8IZM Joseph Steel, f c 4/23/86  
 K8BKTU John Moore, f c 5/24/86

SECOND FRONT PAGE

DAYTON

Well, the yearly extravaganza is behind us, once again. Many went, many stayed; all were affected, in some manner. Your editor stayed. He always does. This is to uphold a long tradition. As I continue to say, I'll go sometime. Every ham should go, at least once, just to find out what all the excitement is about. There must be something to it, for it to generate such a loyal following, each year.

I had to break down and be net control for the International Net on Sunday, during the Dayton weekend. I had, neither, hosted or checked into an International Net, for many weeks (Months, according to Marie). I got away with it, even though I was at the dispatch desk at the Utica Police Department. I had tried that before, with very limited success, due to the many interruptions that are part of the job. A small number of check-ins, plus forbearance and good luck, saw me through. I couldn't con anyone else into taking it. It was fun.

VOICE RECORDER

As you read this, the new digital voice recorder, will have been exchanged for an even newer model with fewer bugs in it. Our esteemed trustee, N8FNZ had a long

talk with the head of the company which manufactures our DVR unit. He promised to personally inspect one of their latest models and sent it to us ASAP, so that it can be installed and working properly very soon. Probably history by the time this sheet hits the streets.

SATELITE

As this is written, the UHF receiver and voting board are installed and functional at the prime repeater site. The VHF receive and link transmitter, at the base, will be functional by the time you read this. Remember, to work through the remote receiver, a 100 Hz CTCSS tone is required. Otherwise, you'll only be working through the prime site receiver. Have fun! And don't tell anyone that I misspelled satellite. I don't want to do this whole page over.

DON'T FORGET

The July and August USECA meetings have been suspended, due to the heat and press of summer activities.

MOVIE REVIEW FEATURE

MY DEMON LOVER Pass this one up. The plot idea is OK, but the acting is mediocre and the special effects, blatantly borrowed from several other, better, pictures do not come across well. RST/233.

PROJECT X Yes. This one is worth the time to see. A, recent, article in The Reader's Digest, indicates that 99% of our DNA is the same as chimpanzees (A sobering thought, but it does help to explain some human behavior). The film reminds one of such flicks as D.A.R.Y.L. and THE MANHATTAN PROJECT. You know, heartless big brother government against compassionate, thinking little guy. Good, suspenseful ending that makes you feel good. RST/478.

\* ASSUMPTIONS \*

I wonder if everyone remembers that old saying about the word, 'assume'? Ass-u-me, in which the word makes an ass of u and me.

How many hams assume that their homeowner's insurance will protect them in case their antennas should cause property damage, injury or death.

In light of the, thought-provoking, article put in last month's Express, by John, N8BWG, we should all give the subject some consideration.

**TOUGH GUYS KNOW!**

(from Worldradio, May, '87)

Contrary to the views of 'The Sage of New Hampshire', here is the latest word (March 1987) from Fleet Marine Force Atlantic, USMC: "Proficiency in Morse code should be encouraged Marine Corps wide. More field radio operators should be schooled in Morse code until they reach a level where they can send and receive a minimum of 13 wpm."

**GRRRR!!**

I'm not the least bit happy with ICOM. I mean, here we are, trying to convince the FCC that 220 is **NOT** underutilized, while ICOM continues to run that freeway

advertisement that implies that 220 is a veritable empty wasteland, compared to the heavy traffic on 144. I think their ad is a cheap attempt to market equipment at the expense of the best interests of Amateur Radio and the public.

**WEXAUKEE ARA SWAP**

The Wexaukee ARA will hold its 27th annual Swap Shop at the Wexford Civic Arena in Cadillac, Michigan, junction of U.S. 131 and 13th Street, on Saturday, May 16. Hours: 9:00 a.m. to 2 p.m. Admission \$3. Refreshments available.

Talk-in on 146.97. For table reservations or more info, call John Craddock, KX8z, at (616) 797-5491 or write the Wexaukee ARA, P.O.Box 163, Cadillac, 49601.

**MURPHY'S LAW**

Any wire, cut to length, will be too short!

**ARRL PLANS FIGHT**

(Worldradio, May '87)

The ARRL is formulating the strongest possible opposition to an FCC proposal to reallocate w MHz of the 220-225 MHz Amateur Radio band to the Land Mobile Service. The Commission's proposal was released February 12 in a Notice of Proposed Rule Making in Fcc General Docket No. 87.14.

In commenting on the Commission's proposal, ARRL President Larry Price, W4RA, said: "let no one question the League's resolve to fight, with every means at our command, this unwarranted spectrum grab on behalf of commercial interests. Amateurs need this band - all of it - if we are to fulfill our public-service charter."

**SCRIPTURES FOR HAMS**

**COMMIT THOU TO MEMORY** the works of the prophets, which are written in the instruction books, which giveth the straight poop and which consoleth thee, and thou canst not make mistakes, all the days of thy life. - Central Oklahoma RA.

MINUTES OF USECA MEETING, APRIL 21, 1987

- N8FNO Opened meeting at 7:30 p.m.
- N8GMA Moved, supported by KD8VJ, that the minutes of the last meeting be accepted as printed in the USECA EXPRESS. Motion carried.
- WB8ITJ Read financial report, which was accepted by membership.
- N8FNZ Commented that satellite receiver was not functioning, at present. The mailbox was put into operation and appears to be working well.
- K8MKA Commented that the Christmas Party will be held on December 10th, at the Elks Club in Rochester. A garage sale is planned for the first week in June. The Board is to work on the details, at the next meeting. Our picnic is scheduled for August 9th.
- N8FNO Read an article, regarding a lawsuit, that was filed pertaining to violations that were incurred, in the erection of a tower and antenna.
- WB8ITJ Read a brochure, relating to a fund-raising by means of selling discount cards. It was decided that it should be checked out, further, by the board members.
- N8FNO Recessed the meeting for refreshments; Re-opening the meeting at 8:30 p.m.
- N8FNZ Took a hand-vote to determine the winner of the Club Logo Contest. The winner was Bob, WB8WVF. Congratulations Bob. You sure know how to get those free meals. Hi! Chuck moved, supported by membership, that the club pick up the tab of a dinner for Bob, N8BK and wife, in appreciation for the excellent work, he has done for the club, in making the repeater what it is today. A great job, Bob!
- N8HAT Won the 50/50 raffle. He is \$25.50 richer. Congrats Phil!
- WD8IWE Shirley won the 60/40 drawing of \$180.00 on ticket number 684. It's no longer a secret Shirley, so you will have to tell Don.
- N8GPJ Moved, supported by KA8YQJ, that meeting be adjourned. Motion carried with the meeting adjourned at 8:45 p.m.
- WB8ZJL Along with his group, put on a demonstration of packet radio, which was enjoyed by all.

Respectfully submitted,  
WB8ITJ - Secretary

TACOM ARC

The U.S. Army Tank Automotive Command, Amateur Radio Club is being re-activated. Meetings are held in the MARS Room in the basement of Building 229. The MARS Room is by the rear stairwell, on the north side of the building. Meeting times are at 11:30 a.m., on the first and third Tuesdays of each month. This time was chosen, so that it would be convenient to take the time during lunch-break. All military personnel and civilian employees of the U.S. Army are invited. No license is required for membership. Novice classes are anticipated soon.

NBZR

ROCKBOUND TO THE 20kc BAND PLAN

Many of you know I use a Drake ML-2, which is an old crystal-controlled, two-meter transceiver. While I was disappointed that Michigan voted to go to the 20kc band plan, I was curious if the old transceiver could be adapted, without needing to re-crystal. Luckily, the only crystal pair I owned, that was affected by the new band plan, was 146.37/97 mc. I also owned an, extra transmit crystal for 146.37, which gave me some flexibility.

I plugged in the transmit, crystals in adjacent sockets. I then adjusted the trimmer capacitors, so that one was on 146.37mc and the other on 146.36mc. I wired the adjacent receive sockets together to use the same receive crystal for both 146.37 and 146.36mc. The receiver passband is sufficiently wide, that it is possible to use the one crystal for both frequencies.

Now, I can use the transceiver, in spite of the lack of a nationwide band plan. I can use the 37/97 split in the 15kc band plan states. Then, by changing the channel switch, I can use the 36/96 split in the 20kc band plan states. On air testing shows that it works well. The best part is that I did not spend any money to make it work. Most of the older crystal-controlled transceivers should be as easily adaptable as mine was.

NBZR

MARKETPLACE

<u>KENWOOD</u> Model TS 930S with Automatic Antenna Tuner.	\$940.00
<u>KENWOOD</u> Model SP 930 Speaker with 3 built-in audio filters.	\$ 75.00
<u>KENWOOD</u> Model MC 60 Microphone.	\$ 55.00
<u>YAESU</u> Model FT-708R 440 MHz HT.	\$185.00
<u>YAESU</u> Model PA 3 Mobile Power Converter.	\$ 20.00
<u>LARSEN</u> 440 MHz Mag-Mount Antenna.	\$ 25.00
<u>AMERITRON</u> Model AL 84 Amplifier.	\$350.00
<u>KENWOOD</u> Model MC80 Desk Microphone.	\$ 40.00
<u>ASTATIC</u> Model D-104 Desk Microphone.	\$ 20.00
<u>CDE</u> Ham III Rotor. <b>NEVER USED.</b>	\$150.00
<u>ROTOR CABLE</u> 100 Feet. Eight Conductor.	\$ 10.00
<u>COLUMBIA</u> Super Flex RG8U Coaxial Cable. 100 Feet.	\$ 20.00
<u>AEA</u> Model CP-1 Computer Patch with "Hamsoft".	\$100.00
<u>MAGNAVOX</u> Computer Monitor with amber screen.	\$ 70.00
<u>COMMODORE</u> VIC 20 Computer.	\$ 35.00
<u>COMMODORE</u> Dataset.	\$ 15.00

All items in excellent condition. Please call after 2:00 p.m.

Gordie, N8DXL, 949-3063

THANK YOU!

I would like to take this opportunity to thank Paul, WB8ZJL and his fellow hams and Ralph Irish, WA8GDT, for the excellent job that they did on the Packet Radio demonstration conducted at the April meeting. The "Hands-On Demo", was very interesting, as Paul explained everything that was necessary for the exchange of messages. The mobile unit along with all the compute units acting as "Digipeaters", held up just fine after Richard, K8QLM, gave them a vigorous workout. They had to pull the plugs to get Richard to quit and go home. Hi.

I would like to plan a transmitter hunt, for our next meeting. Stay tuned into the repeater nets for the latest update on the May meeting and the hunt. I hope to have a surprise guest for our June meeting!



Stag, K8MKA  
Activities Chairman

MULTI-FREQUENCY TRADER'S NETS

John, N8HTV, wants to remind everyone of the Traders Nets, on each Thursday and Sunday nights at 8:00 p.m. Thursday on 28.375 SSB. Sunday on 145.250 FM, on the Bald Mountain/OCARS repeater. Tune in and listen for that special item that you just can't do without. Then get the seller's landline number and haggle to your heart's content, **over the phone.** Enjoy!



THE ORIGIN OF OHM'S LAW

(Suggested by K8DHH)

(A serialization from Popular Electronics, May, 1972)

Today, Ohm's Law stands as one of the most powerful and commonly used laws of electricity and electronics. It states that the amount of current flowing through a conductor (or resistor) is equal to the applied voltage divided by the resistance of the conducting material. In mathematical terms, the equation generally reads  $I=E/R$ . What seems simple and obvious today, however, took a great deal of genius, courage and effort to propose for the first time in 1825. Georg Simon Ohm, a German physicist and mathematician, was a man who had the right kind of genius and courage.

- to be continued ...

# W3HCW STATION APPEARANCE

Carl (Mac) McDaniel, W3HCW, of Williamsport, Pennsylvania, wins this month's STATION APPEARANCE, and a free year's subscription to Worldradio. A description of his equipment follows.

Kenwood TS-820S with remote VFO, Kenwood twins, Kenwood TR-7930, Swan three-bander, National transceiver, Hallicrafters SX-117, Clegg Venus and interceptor, G-50, Yaesu HT, Heathkit console and RTTY. Mac says he operates all bands except 160, that he can switch antennas to different rigs with coax switches.

Antennas include: 60' tower, tri-band beam, 6M and 2M beams, Inverted Vees



for 40 and 80 meters. Awards include: two different DXCC's with 200 endorsements on each, WAC, WAZ, WPX and almost 100 DX certificates.

Mac says he enjoys ragchewing, DXing and building antennas. Recent DX

includes: Clipperton, Annobon, Djibouti, Minami Torishima, Svalbard and Qatar. "I belong to ARRL, QCWA and Worldradio," Mac adds. "DX WORLD with QSL routes is very good reading."

— Please —  
send NEWS and PICTURES to  
Worldradio

## Stopping planned communities from prohibiting antennas

CC & R's need not be signed by any amateur. However, planned communities should be advised that in case of a major disaster, there will be no communications for at least three days. There will be no medical help available because there will be no communications since amateur antennas are prohibited. If anyone needs medical help, there will be none available and many people in planned communities will be cut off. Telephone and electricity will be unavailable. Amateurs all have battery-operated rigs available in most cases and a planned way to cope with emergencies. People in planned communities will be at a loss since roads will be in bad shape and without medical help, there will be many unneeded deaths.

Amateurs should bring this significant information to those who write restrictive CC & R's. Further, if amateurs don't buy in CC & R territories, there will be no communication facilities available. Cellular radios in cars will have frequencies jammed and there will be no communications without Amateur Radio. Tell the CC & R restricters to tell you how they are going to cope with an emergency such as an earthquake.

— QCWA So. CA Chapter, Gardena, CA

## RS-1 heard again

The long-lost RS-1 is being heard from again. Latest report is from Charles Boulin, W2LRJ, who heard the characteristic "5015" anomalous telemetry on 29.402 MHz in early January.

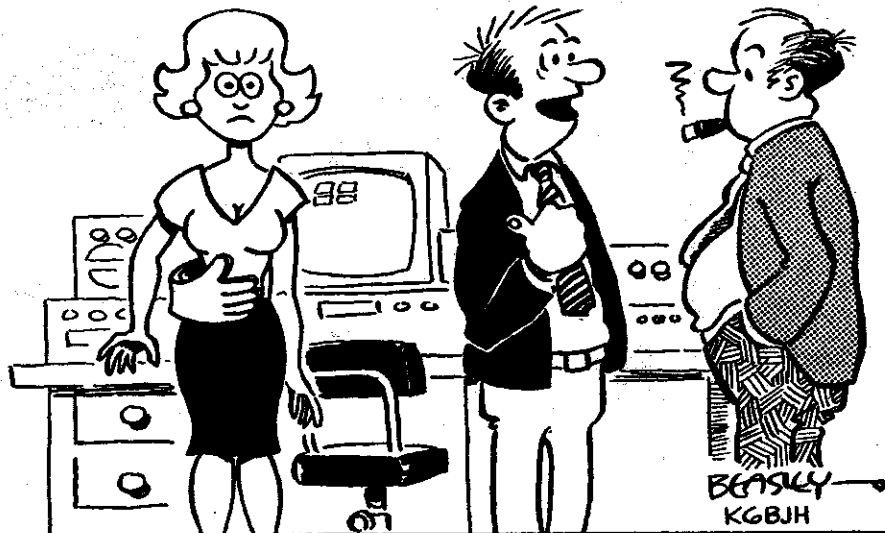
This satellite was launched on October 26, 1978. Its transponder ceased functioning in 1980, but occasionally — when warmed and illuminated by the sun — its telemetry transmitter springs to life with the meaningless telemetry garble "5015" repeated endlessly.

— Amateur Satellite Report

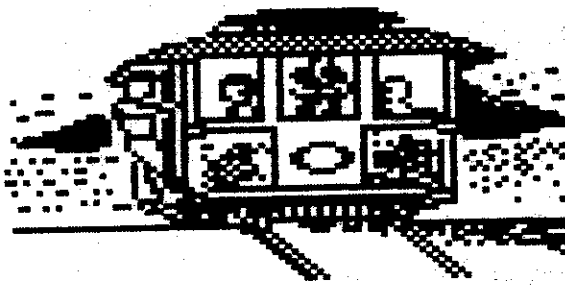
## Interference Handbook

The FCC's Field Operations Bureau has a new book, *Interference Handbook*, for sale. It costs \$2.50 per copy. The stock number is 004-000-00450-7, and it can be obtained from: The U.S. Government Printing Office, Superintendent of Documents, Washington, D.C. 20402.

— Amateur Radio News Service, Park Ridge, IL



SOME OF THIS NEW GEAR ON THE MARKET IS REALLY USER-FRIENDLY



# THE CABOSE

BY... **K8CFY**

**MAYDAYS!!** No, no, no! Not the distress kind - the blissful weather transition kind! And a few to be remembered: **MAY 5-**



**MAY 10- MOTHER'S DAY!**

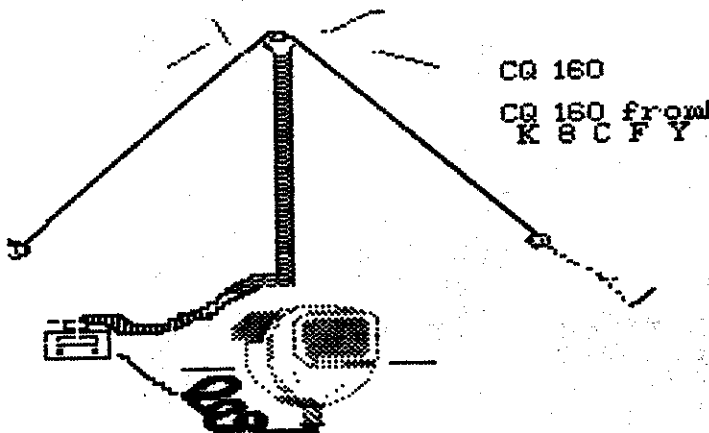


**DON'T FORGET UR MOM! YOU GOT NOVICE ENHANCEMENT & 220! NOW BACK IT UP!!**

WRITE YOUR COMMENTS, FACTS, OPINION, whatever, - to the F.C.C., State Senator, your congressman, ARRL, OCWA, RACES, & any other group or organization you can think of. Send an original & 5 copies (8 1/2 x 11 paper, printed one side, double spaced) to the F.C.C. See format in QST, April '87, pp. 14

Be sure to sign it! **AND DO IT NOW!** This is of the utmost importance to yourself and the future of Amateur Radio in general.

\* SOS QST S.O.S. MAYDAY! QST SOS \*  
\*\*\* --- \*\*\* --- \* --- \* --- \*\*\* \* --- \*



CQ 160  
CQ 160 from  
K 8 C F Y

Fishing is not for me!  
I'd rather ride a whale in the sea!  
H A M is my scam,  
P A C K E T is my racket;  
ANTENNAE are my forte!  
What more need I say?

## TRIVIA ET AL:

Michigan is rich in history & things of great general interest. One little known tidbit: the next time you traverse it's northern regions, listen carefully to your scanner or RT freq's 150.400-151.991. The moose of childbearing age have 'radio collars' attached to help track their movements. CQ MOOSE ? ?

\*\*\*  
YAESU MUSEN CO., LTD. - YAESU is a geographical name denoting the location of the head office; MUSEN literally = "wireless".

**DAYTON 87** IS history now. I hope all of you had a good time. To prepare for next yr. this list may be of value:

INPUT	OUTPUT	CALL ==
144.510	145.110	WB4LAI
144.830	145.430	WD8KCV
144.730	145.330	WD8YY
144.910	145.410	KP4AGI
146.040	146.640	NSACV
146.220	146.820	K8TDN
146.310	146.910	NSACV
146.340	146.940	W8BI
147.765	147.165	WB8WKC (WX)
147.960	147.360	K8TDN
147.735	147.135	WB8SMC
448.100	444.100	WB8WKC
447.850	442.850	WA8ZWJ
447.750	442.750	K8ESC
449.500	444.500	N8C8W



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