



*USECA*

*Christmas Party*

*December 8th 2000*

*Carpathia Club*

*38000 Utica Rd.*

*Sterling Heights*

*\$18.00 per person*

*Cocktails:6pm*

*Dinner:7pm*

*Menu:Roast Beef, Roast Chicken,  
Homemade Mashed Potatoes, Green  
Beans, and All The Trimmings*

*Cash Bar*

*Contact Ann KJ8F To Make Your  
Reserwatations*

## The "Dick Perry Memorial Picnic"

(a.k.a. 3875 Mobile Antenna Shootout) October 4, 2000

Written by Jim, KJ9T and Floyd, W8RO

THE FALL PICNIC was destined to be great again this time. The rain stopped at about 11:00 AM and did not resume until early evening. Almost as if someone was looking after us. "I wonder who?" We had plenty of wonderful food, beverages and entertainment. Several of our group brought along their amps, drums, guitars, etc., and jammed at one end of the pavilion, with a warming fire going in the fireplace. We were pleased to have Naomi Perry spend the entire day with us. Her presence is always appreciated as she has many of the same qualities that we found in our old friend Dick. She is a warm, friendly and helpful lady and an asset to any gathering. Thank you, Naomi.

W8NSF, drawing from his 50 years of experience in building and operating mobile antennas, gave a very informative dissertation on the construction of mobile antenna systems. With information on the cause and effect of Corona on high Q coils, the importance of grounding and bonding the vehicle and exhaust system and other tips on how to improve the performance of mobile antennae.

N9JMX unveiled his latest creation, a 3 inch diameter screwdriver. The mast is of stainless steel, the coil #10 tinned conductor wound on a piece of solid Delrin stock. A work of art. The performance was very close to the Bug Catchers. A very good showing for it's first time out. One to look out for in future testing.

The 2 inch Screwdrivers all tested about equal, as was expected. A sacrifice in signal exchanged for convenience of band changing.

A new system was used to provide precisely the same power for each individual vehicle. The results were repeatable as we brought two of the same vehicles back to the testing area and the readings were repeated.

### The results of testing:

KJ9T	855 Bugcatcher
W8NSF	758 Bugcatcher
W8KFM	707 Bugcatcher on a big truck
W9HSJ	698 W8NSF Bugcatcher
N9JMX	663 Prototype 3 inch Screwdriver
K9KJP	463 2 inch Screwdriver
KB9WMT	461 2 inch Screwdriver
W11K	435 2 inch Screwdriver
W9CSV	352 big horn antenna (1/2" copper pipe,

mounted in the left front corner and the left rear corner of the car. Pipe extends vertically from each bumper approx. 5', then using elbows, there is a horizontal piece of 1/2" copper pipe connecting the two vertical pieces together! Total length of the copper pipe is approx. 25', even tho' the total height of the antenna is only about 5'!

Please log in to the 3875/KJ9T home page and click on "Report on the Fall Dick Perry Picnic". Along with the article, you will see pictures of the participants of the picnic and vehicles/antennas that competed!

The URL is: [www.kj9t.com](http://www.kj9t.com)

### Aircraft SWLing—From Page 1

The scanners take care of this automatically. What is less well known is that there is a whole range of aircraft—ATC frequencies in the HF spectrum as well. Anyone with a good general coverage receiver can find them. You just have to know where to look and what to listen for. VHF (118.0–135.975 MHz) is the preferred mode for air to ground communication, and is used exclusively in most of the world. What is obvious to amateurs, however, is that, at these frequency ranges, we're talking pretty much line-of-sight, so it won't surprise anyone to know that there are areas of the world where, until we get satellite coverage, HF is all we have. Around the world, there are commercial stations that handle the traffic between aircraft and ground facilities. If you know the frequencies, you can ease drop. They use frequencies from below the 80 meter ham band up to at least 23 MHz. The only thing a ham will find different from normal SSB is that they use only USB, all the way down to below 3 MHz, so, depending on the frequency, you may have to go reverse sideband. As you can imagine, most of the areas where HF is in use are over the oceans, but it is also used in some of more remote corners of South America, Africa and Asia.

In the chart below, I'll try to give you a quick trip around the world with some (by no means all) of the facilities you can hear handling traffic from aircraft, but first, I'll give you an idea of the kind of conversation you will hear. Like all professions, pilots have their own "language" with it's own vocabulary. The transmissions you will hear will be short and to the point unless there is an unusual message involved. Most of the messages will be "position reports" which are passed along to ATC so it can keep the planes separated. They have a set format and for a Federal Express flight from Memphis to Paris over the North Atlantic, would sound something like this:

Express 01 49 North, 40 West at 1015Z; Flight Level 330  
50 North, 30 West at 1045Z. 48 North, 20 West next.  
Fuel 95.0.. Wind 260/25 Temp. -31 Sel Call ABCD.

—Continued on Page 8

**USECA 2000 VHF Net Points as received by 10-11-2000**

Displayed Min. of 2 points

Call	Name	pts	Call	Name	pts	Call	Name	pts
NFOZ	LARRY	3	WA8JPR	BILL	21	N8TKH	JOHN	2
W1K	JIM	101	KC8JSH	DELPHINE	3	N8TMU	MARIANNE	13
KA2IB	BOB	5	KW8K	STU	24	K8TXS	ALEX	3
WX3L	JOHN	4	N8KC	KEN	6	KA8UHG	STEVE	2
VE3LFZ	MICHAEL	2	W8KC	PAUL	32	KE8UM	MURRY	2
WN4DEM	MARIE	19	KC8KIR	MATTHEW	12	W8VB	DAVE	103
KCSARS	DON	2	KC8KJN	STEVE	24	W8VEB	KEN	2
WB8HF	HENRY	5	KC8KNH	LAURA	2	WA8VEB	KEN	11
KC8BIU	BOB	14	KC8KRR	GREG	2	WN8VOT	DAVE	10
AB8BT	TED	9	N8KSL	JIM	3	N8VTF	DON	3
KC8BXD	ANDY	60	WA8LCZ	BYRON	2	K88WF	VINCE	2
K8CFY	HENRY	8	KC8LDM	MICHAEL	2	K8WH	DAVE	4
KC8CPT	CHUCK	19	KC8LDN	RAY	11	K8WHQ	CHUCK	3
KC8CRJ	JERRY	3	W8LEN	LEN	2	K8WTH	RICHARD	43
WD8CZJ	CHUCK	44	KA8LGI	DARREL	37	WB8X	LENNY	5
KC8DBG	DON	3	KC8LJR	SCOTT	2	KF8XO	FLOTSKI	2
A8DD	JACK	22	KC8LOC	TOM	107	N8XO	STEVE	3
W8DFG	BILL	5	KC8LUM	MIKE	10	N8XOJ	ISAIAH	2
KC8DR	BOB	2	WY8M	ARPAD	8	N8YB	LEONARD	70
WA8DKV	DENNIS	26	N8MCD	JIM	13	N8YJ	DINA	12
K8DXX	BRIAN	95	KC8MES	FRED	2	KA8YRW	STEVE	3
K8DZT	MARSHALL	3	KC8MSX	BILL	5	K8YVA	DREUX	8
NS8E	JOHN	6	KC8MWV	BRUCE	22	K8YYB	DEBBIE	7
W8BE	FRANK	17	W8T8N	BILL	5	W8YZN	CHRIS	9
KC8CEB	JOHN	47	KC8NAG	JIM	2	KW8Z	KEN	23
KC8EDK	WALT	42	KC8NDI	JIM	3	K8ZAW	RAY	2
W8EDX	KEN	4	KC8NDO	RAY	54	K8ZEC	JOHN	24
KC8EPQ	BRIAN	2	W8NG	JIM	7	N8ZE	STEVE	2
N8ERV	EDWARD	12	KC8NHV	HAROLD	2	N8ZZE	JOHN	4
K8FGB	ROGER	3	KC8NLE	KEN	24	N8ZZF	PAT	4
KC8FRW	TOM	4	KC8NLJ	MIKE	2			
AB8FY	ANN	2	KC8NOE	KEN	3			
KC8FYP	RICH	2	KC8NOA	MIKE	11			
K8GEO	JOHN	4	KC8NQA	ROSS	3			
KC8GFN	PHIL	6	KC8NUA	DAWN	2			
KC8GMS	DAVE	5	KC8NYR	SUSAN	2			
KC8GMT	JOE	3	N8OAE	ERNIE	3			
K8GPO	GEORGE	2	KC8OBH	DAVE	3			
WA8GQL	DAVE	5	K8OEF	JOE	10			
KC8GWR	GEORGE	8	N8OEF	VAL	16			
K8HJ	DAVE	2	N8OEV	DAVE	2			
N8HRH	PHIL	3	KC8OGA	ANNMARIE	2			
KC8HMG	LORA	47	KC8OGC	GRANT	6			
KC8HRH	KEN	2	N8OKW	JIM	4			
N8HTV	DAN	1	KC8OXF	ARVIN	4			
K8HYU	FRED	6	N8OZ	JOE	22			
N8HZE	LARRY	40	N8PPD	MICHAEL	77			
KC8IAP	PAUL	63	W8PEM	PEGGY	4			
KC8IAQ	JANICE	180	K8QLM	RICHARD	228			
W8IC	MARK	2	K8QMP	BILL	10			
K8IF	JOHN	12	K8QMS	NANCY	15			
WD8IFL	STEVE	6	N8RAR	WAYNE	31			
W8IR	JON	74	K8R8V	MANNY	9			
KC8JAA	KEN	21	WD8RNO	LYNN	2			
KC8JCH	MARY	20	W8RO	FLOYD	34			
W8JEK	DAVE	75	N8RUH	TJ	2			
K8JN	PHIL	5	N8SA	BILL	6			
	ANN	10	N8SIH	BETTY	16			
	DAVE	3	N8SLN	BRUCE	10			
	MARK	6	W8SLR	SAM	12			
	JAMES	2	N8SN	CHUCK	3			
	RAY	3	K8SUL	DAVE	4			
	BOB	5	K8TAS	JERRY	17			
	FRANK	3	K8TEZ	MATT	18			
	PHIL	10	KA8TQ	JEFF	3			

**Top 20 VHF Operators**

Call	Name	pts	
1	K8QLM	RICHARD	228
2	KC8HMG	JANICE	180
3	KC8LOC	TOM	107
4	W8VB	DAVE	103
5	W1K	JIM	101
6	KC8DIR	BRIAN	95
7	N8PDP	MICHAEL	77
8	KC8IAQ	DAVE	75
9	KC8HYU	JON	74
10	N8YB	LEONARD	70
11	N8HM	PAUL	63
12	AB8BT	ANDY	60
13	KC8NDO	RAY	54
14	NS8E	JOHN	47
15	KC8GMT	LORA	47
16	KC8CPT	DON	44
17	K8WTH	RICHARD	43
18	W8BE	WALT	42
19	K8HJ	LARRY	40
20	KA8LGI	DARREL	37

**Top HF operators**

Call	Name	pts	
1	K8QLM	RICHARD	281
2	WY8M	ARPAD	90
3	KC8LOC	TOM	88
4	KC8HMG	JANICE	70
5	W8RO	FLOYD	60
6	N8KC	KEN	50
7	N8RAR	WAYNE	46
8	W1K	JIM	46
9	AB8BT	ANDY	38
10	W8TN	PHIL	38
11	W8SLR	SAM	34
12	KA2IBE	JOHN	32
13	K8TAS	JERRY	31
14	N8MOJ	MARION	28
15	W8TN	BILL	28
16	KC8GMT	LORA	24
17	KA8LGI	DARREL	20
18	AB8HM	PAUL	20
19	K8HJ	LARRY	16
20	K8WH	DAVE	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.

**Members E-Mail Directory**

N8ARO, Al: [n8aro@arrl.net](mailto:n8aro@arrl.net)  
 W8BLP, Barb: [quixnet.net](mailto:quixnet.net)  
 KA8CBZ, Bill: [like2cruz@worldnet.att.net](mailto:like2cruz@worldnet.att.net)  
 K8CFY, Jerry: [irish12@juno.com](mailto:irish12@juno.com)  
 W8CQD, Scott: [w8cqcd@arrl.net](mailto:w8cqcd@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)  
 N8DV, Fred: [n8dv@arrl.net](mailto:n8dv@arrl.net)  
 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)  
 K8EN, Ken: [k8en@arrl.net](mailto:k8en@arrl.net)  
 KB8EOD, Mike: [mike.galat@unisis.com](mailto:mike.galat@unisis.com)  
 N8ERV, Tom: [n8erv@tir.com](mailto:n8erv@tir.com)  
 KT8F, Ann: [pamanor@earthlink.net](mailto:pamanor@earthlink.net)  
 K8FT, Jim: [jkuhns@terayon.com](mailto:jkuhns@terayon.com)  
 WB8FUI, Phil: [wb8fui@yahoo.com](mailto:wb8fui@yahoo.com)  
 KC8FYQ, Gerald: [kc8fyq@home.com](mailto:kc8fyq@home.com)  
 KC8GMS, Phil: [pmorell@tir.com](mailto:pmorell@tir.com)  
 WA8GQL, Dan: [radiodan@home.com](mailto:radiodan@home.com)  
 WB8H, Gordy: [gtuzinsk@flash.net](mailto:gtuzinsk@flash.net)  
 N8HJW, Fran: [fanacre@aol.com](mailto:fanacre@aol.com)  
 ★N8HM, Paul: [pstoetze@tir.com](mailto:pstoetze@tir.com)  
 KC8HMG, Janice: [bmoosejaw@aol.com](mailto:bmoosejaw@aol.com)  
 KC8HMJ, Rich: [cortina68@aol.com](mailto:cortina68@aol.com)  
 ★KC8HNQ, Pat: [kc8hnq@home.com](mailto:kc8hnq@home.com)  
 KC8HRH, Mark: [legatom@aol.com](mailto:legatom@aol.com)  
 K8HRP, Kim: [k8hrp@arrl.net](mailto:k8hrp@arrl.net)  
 N8HTV, John: [n8htv@flash.net](mailto:n8htv@flash.net)  
 KI8HW, Steve: [ki8hw@msn.com](mailto:ki8hw@msn.com)  
 KC8HYU, Jon: [kc8hyu@home.com](mailto:kc8hyu@home.com)  
 ★KG8IE, Scott: [kg8ie@home.com](mailto:kg8ie@home.com)  
 KC8IAQ, Dave: [kc8iaq@ameritech.net](mailto:kc8iaq@ameritech.net)  
 W8IC, Phil: [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)  
 W8JP, John: [jparrott@tir.com](mailto:jparrott@tir.com)  
 KC8JSH, Delphine: [delwro@att.net](mailto:delwro@att.net)  
 KA8JUL, John: [john-mahoney@juno.com](mailto:john-mahoney@juno.com)  
 N8KC, Ken: [kcfamily@tir.com](mailto:kcfamily@tir.com)  
 KC8KIO, Cindy: [richcomp456@earthlink.net](mailto:richcomp456@earthlink.net)  
 KC8KJL, Brian: [bline4@aol.com](mailto:bline4@aol.com)  
 N8KLX, Jerry: [n8klx@arrl.net](mailto:n8klx@arrl.net)  
 N8KND, Doug: [dcmartin@home.com](mailto:dcmartin@home.com)  
 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)  
 WY8M, Arpad: [wym8@home.com](mailto:wym8@home.com)  
 W8MJY, Mike: [w8mjy@netscape.net](mailto:w8mjy@netscape.net)  
 N8MKF, Cheryl: [n8mkf@inntertek.com](mailto:n8mkf@inntertek.com)

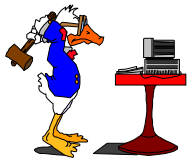
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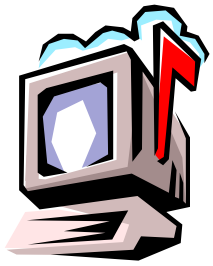
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N8MKG, Dennis: [n8mkg@inntertek.com](mailto:n8mkg@inntertek.com)  
 KC8MQL, Joe: [jskues@hotmail.com](mailto:jskues@hotmail.com)  
 KC8MSX, Bill: [kc8msx@arrl.net](mailto:kc8msx@arrl.net)  
 KC8MWW, Bruce: [bwebber@ameritech.net](mailto:bwebber@ameritech.net)  
 ★KC8NDI, Jim: [kc8ndi@home.com](mailto:kc8ndi@home.com)  
 KC8NDO, Ray: [kc8ndo\\_ray@yahoo.com](mailto:kc8ndo_ray@yahoo.com)  
 N8NQQ, Biff: [baydoun@mich.com](mailto:baydoun@mich.com)  
 KC8NQS, Ross: [rossgoldman@hotmail.com](mailto:rossgoldman@hotmail.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)  
 N8OMP, Gary: [glarson@ameritech.net](mailto:glarson@ameritech.net)  
 N8OZ, Joe: [n8oz@arrl.net](mailto:n8oz@arrl.net)  
 K8PIK, Marilyn: [k8pik@home.com](mailto:k8pik@home.com)  
 K8QLM, Richard: [bmoosejaw@aol.com](mailto:bmoosejaw@aol.com)  
 ★KB8QMS, Nancy: [number1kb8qms@earthlink.net](mailto:number1kb8qms@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)  
 ★AD8S, Dave: [kc8izg@earthlink.net](mailto:kc8izg@earthlink.net)  
 N8SA, Bill: [william01@home.com](mailto:william01@home.com)  
 W8SLR, Sam: [richcomp456@earthlink.net](mailto:richcomp456@earthlink.net)  
 N8SN, Chuck: [n8sn@yahoo.com](mailto:n8sn@yahoo.com)  
 N4TAJ, Dave: [n4taj@yahoo.com](mailto:n4taj@yahoo.com)  
 KB8TAS, Jerry: [kb8tas@juno.com](mailto:kb8tas@juno.com)  
 N8TMJ, Marianne: [marianmickle@juno.com](mailto:marianmickle@juno.com)  
 W8TN, Bill: [wa8jpr@qsl.net](mailto:wa8jpr@qsl.net)  
 KB8TVV, Jim: [jward63@home.com](mailto:jward63@home.com)  
 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)  
 WA8VEB, Ken: [wa8veb1@aol.com](mailto:wa8veb1@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)  
 ★WN8VOT, Dave: [wn8vot@juno.com](mailto:wn8vot@juno.com)  
 KB8VWY, Doris: [dlanden@gfn.org](mailto:dlanden@gfn.org)  
 ★N8VVH, Linda: [n8vvh@home.com](mailto:n8vvh@home.com)  
 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: [maresco70@gateway.net](mailto:maresco70@gateway.net)  
 WB8X, Lenny: [lsmith@rust.net](mailto:lsmith@rust.net)  
 N8XNM, Ray: [rmacha@mich.com](mailto:rmacha@mich.com)  
 N8XO, Steve: [lightspeed65@hotmail.com](mailto:lightspeed65@hotmail.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)  
 WA8Z, Chuck: [chuckboyer@usa.net](mailto:chuckboyer@usa.net)  
 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.

*This is . . . The USECA Repeater System!*

*It is NOT a machine!*

**USECA Board Meeting Minutes—October 3, 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
- K8CFY, Jerry Historian
- K8OEF, Joe Express Editor
- W8VB, Dave ARRL Liaison
- K8ZEC, John Repeater Technician
- KC8DIR, Brian Net Manager
- \*Absent



Meeting was called to order at 7:35 PM.

Minutes of the last meeting were approved.

The secretary read a letter from the ARRL congratulating USECA on renewal as a Special Service Club.

Nancy, KB8QMS read a letter from Ed, N8RUJ thanking several USECA members who volunteered their services and provided communications and security at the Shelby Twp Annual Fireworks June 28, 2000.

Treasurer's report supplied by Delphine, KC8JSH and approved. Budget guidelines submitted by Delphine. Still need to clarify the expense for the generator fuel.

Membership report: Marianne absent.

Technical committee report: John - K8ZEC and Floyd, W8RO. John stated he is working on the DVR. Floyd will continue to make arrangements to secure the David Scott building for the Detroit receive site and get the equipment back from the APEX. Waterford site down at this time.

Express: Joe, K8OEF - no report.

ARRL: Dave, W8VB has communicated with the league regarding USECA listing in the repeater directory. Deadline - December. It is expected USECA will be listed in the next directory.

Nancy presented Bill, N8SA an award from Governor Engler and the State of Michigan commemorating Amateur Radio to display at the SA Corp.

USECA's club call sign received: KC8PLX. Will now apply for the vanity club call. Options discussed. K8UO or N8UO to be applied for.

**Old/New Business**

Nancy stated the BOD needs to vote to officially elect the repeater trustee. Trustee responsibilities discussed. Interested parties: John, K8ZEC and Richard, K8QLM. BOD members voted. John, K8ZEC was elected.

Swap: KC8IAQ reported on current status. Delphine reported on ticket/table sales. Joe, N8OZ will be handling the testing. Next planning meeting for the swap - Friday, October 13 at Delphine's.

Dennis, W8DFG made a motion to accept the written quote in lieu of a receipt for the FD meat. Jerry, N8KLX 2nd. Motion carried.

John, K8ZEC discussed control op coverage problems/solutions.

Brian, KC8DIR notified the BOD that some FD supplies were used at the summer picnic, were not reflected in the budgeted amount.

Brian proposed purchasing a club trailer to hold club supplies for transport to events. Jerry, N8KLX proposed we appoint a

committee to investigate this idea. 2nd by Delphine. Discussion ensued. Motion carried. Walt, WB8E will head the committee.

John, K8ZEC stated he wants to do a database inventory of repeater equipment.

Ann, KT8F gave a report on the Christmas party. Will bring flyers to the general meeting.

The meeting was adjourned at 9:20 PM.

Respectfully submitted,  
Ann Manor, KT8F, Recording Secretary



**USECA General Meeting Minutes—October 10, 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 president at 7:30 PM

New members, visitors and upgrades were recognized.

The minutes were accepted as printed in the Express.

Correspondence: Ann, KT8F read a letter from the ARRL congratulating USECA on the renewal of the Special Service Club status.

Thanks to tonight's host: Paul, N8HM. Next month's host - Richard, K8QLM and Janice, KC8HMG.

Thanks to Don the coffee man, John and Grace for bringing the pop, and Richard for bringing the donuts.

Delphine, KC8JSH presented the treasurer's report, approved by membership.

Membership: no report.

Repeater: John, K8ZEC reported he has removed the DVR and is working on it. Next tech meeting Tues., Oct. 17.

Express: Joe, K8OEF - no report. Articles needed.

Nancy informed the membership that USECA has been granted a club call sign: KC8PLX. The vanity call sign has been applied for. John, K8ZEC is the new trustee.

George, K8GEO requests volunteers to help with siren testing in the Auburn Hills area from Nov. - March, 1st Sat. of the month at 1 PM, whenever possible.

Swap: Dave, KC8IAQ looking for volunteers in all areas. Sign up sheet to be passed around. VE's needed.

Christmas party: Ann informed the membership this year's party will be held on Friday, December 8 at the Carpathia Club in Sterling Hgts. Cost: \$18.00 per person - includes taxes/tips. Cash bar. The white elephant gift exchange will be held as usual. Friends are welcome. Make your reservations with Ann by Saturday, December 1. Money will be collected at the November meeting.

November meeting will be the 3rd Tuesday (Nov 21) due to school function. Nominations for next year's board will be held.

Dave, AD8S requested that members seek information regarding House Bill HB-6012, possibly affecting the use of mobile amateur radios. Please see the USECA reflector for info on the proposal and links to contact your State Representative.

—Continued on Page 8

**Aircraft SWLing—From Page 1**

With this message and a decent map, you can pinpoint Express flight 1 as over a point northeast of Gander, Newfoundland at the time stated (49N 40W), know his altitude (33,000 feet), know his estimate to the next reporting point (50N 30W) and the point after that (48N 20W), estimate his ground speed (measure the distance vs the time- 30 minutes), know how much fuel he has remaining (95,000 lbs.), and the wind and temperature outside. The selcall code (ABCD) refers to a set of tones the ground station can send that will set off a chime in the cockpit. This allows the crew to be on call, but keep the volume turned down. Hams may like to listen to pileups on

20 meters for 8 hours straight, but pilots don't! If all the position reports involved latitude and longitude figures, it would be pretty easy to fix the position of any aircraft you might hear, and this will be true much of the time. Unfortunately, over the North Pacific and many other places, the reporting points are given "names" and these are used instead of Lat/Long. These names don't seem to bear any relation to anything. They are either computer generated, or produced by a chimp with a typewriter. Some are real words, while others are just a collection of 4 or 5 letters. Unless you have the same charts the pilot has that show the name and the Lat/Long, you just have to make your best guess.

As you can imagine, some of the busiest air routes in the world are between the U.S. and Europe over the North Atlantic, so we'll start there. On the U.S. side, the two major player are New York and Gander Radio. All flights from the U.S. to Europe will talk to one of these facilities for some part of their flight. Here are some common frequencies for them. Just like the Ham bands, time of day and propagation determines which ones will be in use.

NEW YORK RADIO	GANDER RADIO
2887 2962 3016 5550	2872 2899 3016 5598
5598 6628 8825 8906	5616 5649 8864 8906
8918 11309 11396 13279	11336 13291 13306
13306 13354 17946	

Flights going a little further North would also deal with Iceland Radio, but it uses many of the same frequencies as Gander Radio. As the flight nears European airspace, (about 30W), they would be turned over to either Shanwick Radio (Ireland) or Santa Maria Radio (Azores). The good news is that the same frequency is almost always used all the way across, so the above list works for them as well. As soon as the flight is in range of the coast, it is sent over to VHF.

If you're interested in South America, here are a few frequencies that are used by several different commercial "Radios."

3479 3452 5526 8855
10096 11360 13297 17907

One of the other busy areas of the world for air traffic is the North Pacific. The two stations that control this area are San Francisco Radio and Tokyo Radio. They also share a group of frequencies and control the areas out of VHF range of the U.S. West coast, Anchorage Center, and Tokyo Control.

2932 5628 5667 6655 8915 8951
-------------------------------

10048 11330 13273 17946 21925

Along the Russian Pacific coast, you might hear Petropavlovsk Radio on the following:  
3401 3407 3443 6544 10039 11285

Further down into Southeast Asia, there are stations in Okinawa (Naha), Manila, Hong Kong, Singapore, and several other places. Here are some common frequencies:  
Naha/Manila:

2998 6532 6562 8903 13300

Hong Kong/HoChiMinh/Singapore

5655 8942 11396 13309

Finally, I'll throw in some other places that may interest you: Mediterranean and North Africa:

5517 5637 5652 5661

8894 10084 11300 13288

Middle East:

2992 5628 5667 10018

Australia:

3467 5643 8867 13261 17904

In addition to all this, there are a couple of commercial stations that handle other kinds of traffic—anything from messages to company headquarters to personal phone patches home—from all parts of the world.

They are:

Stockholm Radio

3494 5541 8930 11345 13342 17916 23210

Berna Radio

6643 8936 10069 13205 18023 23285

When you get tired of the DX and contest "Rat Race," you might want to check out the air-to-ground traffic. At least the next time you fly overseas, you'll have some idea what the guys up front are doing between cups of coffee.

73 es Good DX

K4JRR

*Jim Knight (K4JRR) first started flying in the US Air Force in 1968. For the last 27 years, he has flown for Federal Express. He is a DC-10 Captain with 15,000 hours of flight time. Jim has been a licensed amateur since 1959. His E-mail is: DC10DVR@aol.com.*

—Submitted by Doug, K8DK



**Meeting Minutes—From Page 7**

Swap tickets are sold tonight by Mary, KC8IAP - \$4.00 members, \$5.00 non-members.

Jim, W1IK is seeking instructors to assist him with the 2 meter Morse Code class, starting up again on Monday nights at 9 PM on 147.180.

The business meeting was adjourned at 8:25 PM.

This evening's program provided by Phil, W8IC on balloon launches.

Respectfully submitted,  
Ann Manor, KT8F, 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.

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, \$300. 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.

WANTED: Alinco 2 meter credit card HT for high altitude balloon project; ontact 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.

OLDSMOBILE '97 Aurora, silver, 42K miles, loaded, excellent condx. Contact Floyd, W8RO, at (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.
- ★27" Admiral TV, 3yrs. Old; \$160.
- Portable B&W TV 5"; \$10.
- Realistic home CD player, works; \$10.
- 440 Ringo Ranger II; \$15.
- Sony CDP591 CD player; \$25.
- Contact Arpad WY8M; 810-751-3804 or wy8m@home.com

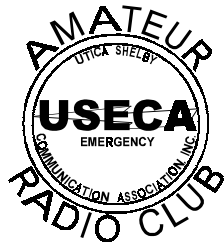
**Who Cares?**  
**I do!**  
 —Ed.

**NAME BADGES**  
 WITH THE OFFICIAL USECA LOGO  
 CONTACT LORA — (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?**

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).

# 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 _____	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](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-	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**



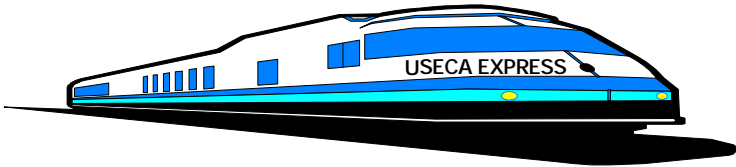
# USECA

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

**ADDRESS CORRECTION REQUESTED**

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**NOVEMBER 2000**

**USECA . . . It's The Realll Thing!**

"The Happenin' Club"

## Club Activities

MONTH	DATE	TIME	EVENT
NOV	21	7:30 pm	General Meeting—Nominations
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
SAT,SUN	NOV	18-19	Fort Wayne
SUN	DEC	3	L'Anse Creuse

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!