

# Results, Seventeenth ARRL International EME Competition

EME is certainly not only for "big gun" stations!—*Joop Mutter, PAØJMV*

By Billy Lunt, KR1R, and Warren C. Stankiewicz, NF1J  
Contest Manager Assistant Contest Manager

**I**t seems like every time the EME Competition is held, everyone remarks how much easier it is to make moonbounce contacts. This year was no exception. The giant VE3ONT operation (see this month's Up Front in *QST* and the World Above 50 MHz, October *QST* page 92 and January *QST*, p 106) gave anyone with an interest in making their first Earth-Moon-Earth (EME) contacts an excellent chance to do so. Their effort helped make this the most successful edition of the contest yet.

Their objective was simple—mount an operation to put a signal on the band so loud that you could almost hear it with a rubber duck for an antenna. The 150-foot dish at the Algonquin Radio Observatory gave them the mother of all echoes, enabling people with OSCAR-class stations (running 80 to 100 W or so to a small Yagi) to make their first contacts via the exotic moonbounce path.

If you only worked one station, it was probably VE3ONT. A lot of people, however, hung around the band long enough to find that there were other stations loud enough for them to work, and successfully

completed contacts they wouldn't have otherwise attempted. Although they may not have fried the ionosphere the way the VE3ONT crew did, Gerald, K5GW, made 316 QSOs on 2 meters, and Lars, SM4IVE, made 188 on 432 MHz. If you worked more than one station during the contest, it was probably one of these.

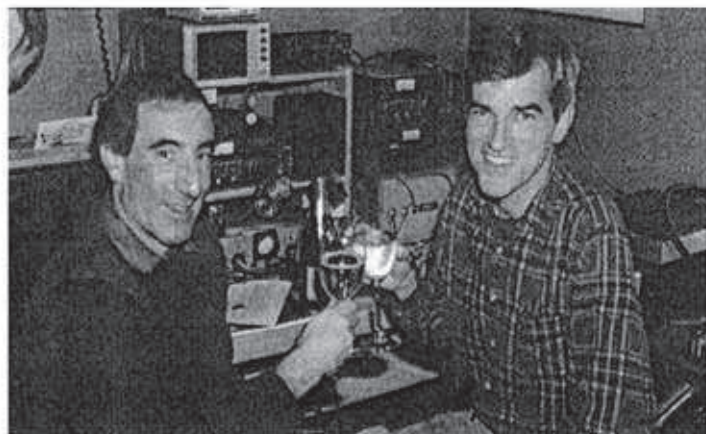
This added activity paid off handsomely for many people. Hannes, OE5JFL, finished at the top of the single-operator, multiband class with 3.2 million points. All the countries on the air led to a big jump in multipliers. This, in addition to all the newcomers on the bands, contributed to higher scores

Michael, NV3Z (l), and Joe, NA3T, celebrate their first EME contact in style.

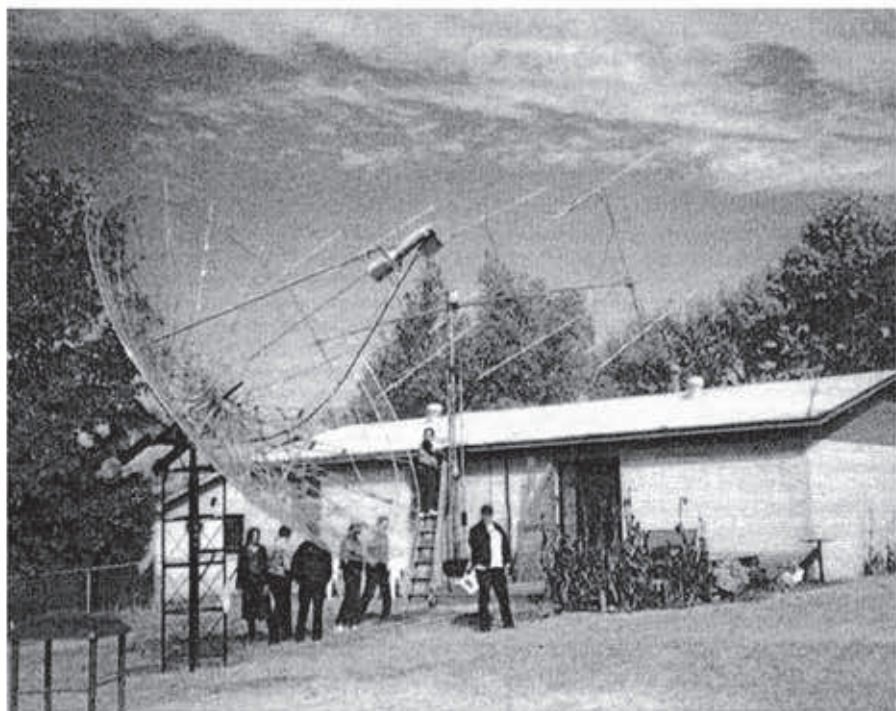
Tommy, WD5AGO (below), got help from students in a local electronics class to finish his 144-MHz array.



Kiyooki, JA7GTB, worked Gerald, K5GW, with just 50 W and two 16-element K1FO-type Yagis.



Magin, EA3UM, and Enrique, EA3BTZ, used this "wireless" station to make 82 contacts on 432 and 1296 MHz.



## Scores

Each line score lists call sign, score, stations worked, multipliers, and band (A = 50 MHz, B = 144 MHz, C = 222 MHz, D = 432 MHz, 9 = 902 MHz, E = 1296 MHz, F = 2304 MHz, I = 10 GHz).

Single Operator, Multiband		VE6TA		42,500		16 11 B		WA3HMK		156,600		54 29 B		KB4WM		175,500		65 27 D		WDSAGO (+KBSZLF, KF8M)		21 8 B		
OESJFL	3,263,500	109	37 B	W2CRS	42,500	5	4 B	PADJMV	156,600	54	29 B	JAZJRJ	145,800	54	27 D	F5MZN	90,300	43	21 E	842,000	38	21 B		
SM2CEW	2,073,600	104	39 B	K9BCT	42,000	20	13 D	DJ3WA	153,400	59	26 B	WABBJE	78,200	48	17 D	F5MZN	90,300	43	21 E	627,000	53	27 B		
SM0PYP	1,232,000	9	8 B	VE1ALQ	36,000	1	1 D	W7VXW	148,500	55	27 B	W7CI	62,900	37	17 D	ON4KNG	55,800	31	18 D	DL3BWW (+DL4EBY)	627,000	53	27 B	
N2IQU	911,400	18	13 B	EA3EHQ	28,800	1	1 E	IK1FJI	130,000	52	25 B	W4QOFS	52,200	29	18 D	F5EHO	48,000	32	15 D	K2UYH (+AK2F, K2TXB, W3EP)	580,000	89	32 D	
F6CGJ	649,000	79	32 D	NTBV	19,200	23	14 D	PE1DAB	125,000	50	25 B	ON5OF	46,500	31	15 D	ON5OF	46,500	31	15 D	I2COR (+I2s TFI, YID, IK2TLA, IW2s AMQ, ATM)	437,500	70	30 D	
K4QIF	641,900	100	31 D	DL3YEE	14,400	6	6 D	K8BHX	117,000	45	26 B	JA2KRW	44,800	28	16 D	ISCTE	44,800	28	16 D	EA3UM (+EA3BTZ)	369,000	49	26 D	
VE1BVL	572,400	75	34 B	DL7FJ	13,200	4	4 D	LA8KV	83,600	38	22 B	DF6NA	43,500	29	15 D	W8TN	38,400	24	16 D	OK1KIR (OK1s DAI, DAK, ops)	231,800	33	20 D	
JA4BLC	560,500	55	29 B	VK5MC	13,200	4	4 E	PA3EPD	81,400	37	22 B	OK1CA	36,400	26	14 D	ISTDJ	33,600	24	14 D	WSUN (+N5BLZ)	1,452,200	274	53 B	
W7HAH	530,400	3	2 A	OH8NVQ	3,000	6	5 D	R5SAL	70,000	50	14 B	S570M	14,400	18	8 D	IK5WJD	10,400	13	8 D	UZZFWA (UA2s FF, FJ, FM, ops)	479,700	123	39 B	
G3LTF	445,200	14	10 B	KB2AYU	3,000	4	2 D	W8VVM	32,000	20	16 B	JH1MOM	11,700	13	9 D	JH4JLV	7,200	9	8 D	IK3MAC (+I3YXQ)	336,600	99	34 B	
W7FN	423,000	55	27 B	JH7PAV	2,500	2	2 D	EA2AGZ	23,800	17	14 B	JA7UIQ	6,400	8	8 D	JA2ODV	2,500	5	5 D	F5JTA (+F1HDI, F5s EPY, HLC)	282,200	63	24 B	
KB2AH	331,200	8	7 B	VE1XYL	400	1	1 B	IK5UBM	23,400	18	13 B	JR9NWC	400	2	2 D	JH1EFA	400	2	2 D	EA4ED (+EA3AIR)	159,600	57	28 B	
EA2LU	277,500	45	21 B	EA4LY	400	1	1 D	SM1MUT	19,200	20	10 B	JH1EFA	400	2	2 D	NSAM (+N8ITP)	50,400	28	16 B	LZ1DP (+LZ1s JH, KQ, ZX)	30,800	28	11 B	
F2TU	257,400	23	14 E	Single Operator, 50 MHz				JA4KX	15,400	14	11 B	KNS	100	1	1 D	SK7CA (SM7s NZB, SJR, SJV, THS, ops)	1,200	4	3 B	NV3Z (+NA3T)	100	1	1 B	
EA3DXU	247,900	51	26 B	Single Operator, 144 MHz				LA9NEA	15,000	15	10 B	J11NJ	100	1	1 D	NX2Q (+W2OZU, WB2ONA)	100	1	1 B	OH2PO (+OH6DD)	624,800	142	44 D	
OH5Y	231,000	16	11 D	K8QXY	8,000	10	8 A	F5HRY	11,700	13	9 B	OE9XXI	195,300	63	31 E	K1FO (+K1GX, NC1I)	557,700	143	39 D	F5FHI (+F5s DE, MYK, NWK, P6GIN)	525,000	125	43 D	
RA3YCR	230,400	20	13 B	K6MYC	8,000	10	8 A	W84BK	11,000	11	10 B	SM4DHN	143,100	53	27 E	9M8WB (+9M2AV)	51,200	32	16 D	K1FJMB (+KV6J, 5,600)	8,700	8	7 D	
AA4TJ	131,600	29	18 D	W6JKV	6,300	9	7 A	K2OE	8,000	10	8 B	AA6WI	122,500	49	25 E	Commercial Equipment				VE3ONT (VE2DFO, VE3s ASO, RFM, CRU, DSS, EMS, KDH, VD, W9IP, ops)	6,496,000	235	46 B	
RB5PA	127,600	31	19 B	ISMXX	2,400	6	4 A	LA1K (LA9IY, op)	7,700	11	7 B	F1ANH	105,600	44	24 E									
SM3AKW	116,000	20	15 D	W5FF	1,500	5	3 A	NC7K	7,200	9	8 B	Z8EAXT	98,900	43	23 E									
JA9BOH	94,500	13	10 B	K5FF	300	3	1 A	VE3KDH	6,300	9	7 B	LA8LF	77,000	35	22 E									
GM4JJJ	88,000	40	22 B	VK3OT	300	3	1 A	W6JKV	6,300	9	7 B	SM6CKU	77,000	35	22 E									
VE4MA	79,200	17	11 D	Single Operator, 432 MHz				A17K	5,600	8	7 B	EA8/DF5J	54,400	34	16 E									
JH3EAO	72,000	13	10 D	K5GW	1,706,400	316	54 B	PA2GER	5,600	8	7 B	G4CCH	45,900	27	17 E									
HL9UH (KG6UH, op)	71,300	13	9 B	SMSFRH	1,340,900	253	53 B	K2KGM	4,200	7	6 B	F5PL	45,900	27	17 E									
W0RAP	53,200	21	13 D	DL8DAT	1,263,600	234	54 B	W6YDI	4,200	7	6 B	OZ7UHF (OZ1FTU, op)	26,400	22	12 E									
S51ZO	43,200	11	9 B	SMSBSZ	893,000	190	47 B	DL5DTA	4,000	8	5 B	IK3COJ	26,000	20	13 E									

across the board. It made for a close race in the Multioperator, 432 MHz class—Matti, OH2PO (with help from Jukka, OH6DD), defeated Steve, K1FO, and his crew (Frank, NC1I, and Paul, K1GX) by a narrow margin, working one less QSO, but five more multipliers.

This year's competition saw a return of activity on 6 meters. Eight stations reported making contacts on this band. It may be tougher, but that's where the challenge is. Activity was good on 2304 MHz, too—Paul, W4HHK, reports, "It was unbelievable to observe a three-station pileup on 2304.025." OK1KIR, with Antonin, OK1DAI, and Vladimir, OK1DAK, at the controls, even made two EME contacts on 10 GHz—great job!

We had a record number of entries this year, with 215 stations sending in logs. This is a jump of 18% over the previous mark, set in 1991. If you weren't in on the action, why not start planning your effort now? The rules for the next ARRL International EME Competition will be in September QST; that should give you plenty of time to get ready.

## SOAPBOX

Mr Faraday did his worst, particularly during the second weekend! As a result, my effort this year was only slightly better than last year's (N4GJV). I spent an inordinate time chasing VE3ONT, but managed to work them on three bands (K9BCT). The ability to switch polarization was again an advantage on 2 and 432, and I found conditions good both weekends. The only problem I had was when my high-voltage supply failed twice (OE5JFL). I doubled my score again and had a lot of fun (N2IQU). This was my first experience in operating EME on four bands. I enjoyed it, but got a little tired (JA4BLC). Bad weather and the gremlins left me alone. My big thrill was working I5MXX via 6-meter EME (W7HAH). Next year, I'm going to get out the chainsaw so I have more than a five-hour window (KB2AH). Multiband operation is much more entertaining because you can change the bands and find new stations to work and you have the ability to operate the band with the best conditions at any given time (EA3DXU). This contest is exciting every year and the appearance of the VE3ONT superstation made it even more exciting. I wish more W/VE stations were active on 1296 MHz (JH3EAO). Murphy struck the November weekend and I was unable to work VE3ONT on 1296 (VE6TA). High winds and heavy rain both weekends limited operation (VE1ALQ). This was my first effort in the EME contest and I had a lot of fun. I was happy to work VE3ONT on 432 with my tropo antennas at my moonrise; I listened for them

on 1296 at moonrise, but heard nothing (NT0V). My antenna system was the biggest project I've ever taken on and took all summer to complete. My first EME contact with VE3ONT on 432 was quite a thrill! (KB2AYU). I found conditions on the first weekend quite good, but variable the second weekend. This was my first try at 6 meters during this contest; it was difficult! (K6QXY). Conditions the October weekend were fairly unstable and activity didn't seem very high. Nevertheless, I worked many new stations and new countries, like HL, OK and EA8 (HB9CRQ). Every EME QSO I make is still a thrill, despite being a ham for more than 50 years! (W0HP). I enjoyed the contest, despite auroral attenuation the first weekend and lots of QRM the second weekend from the European Marconi CW contest. My highlight was the random QSO with another 2-Yagi station, EA3DXU (PA6JM). Sunday morning the second weekend even big stations disappeared for hours (DJ3WA). Conditions were erratic the first weekend; I missed several stations I should have worked (WA3HMK). This was my first EME contest and I enjoyed the challenge. I'm still amazed that I'm able to establish contacts via the moon (K2QE). These were the hardest nine QSOs I've ever made! (NC7K). This was my first EME contest and it was fantastic! (VE3KDH). The trip to VP5 was great—it's too bad the radio portion was cursed! (VP5/WA3HMK). The conditions on the first weekend were very good. The second weekend there was strong Faraday from time to time (DJ6MB).