

Results, Eleventh Annual ARRL International EME Competition

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Contest Manager Contest Assistant

The Moon was a harsh mistress indeed this year to the heralded EMEers. Her elusive embrace was not easily captured. A few good examples of these poor conditions are summed up in the following statements. Enrico, HB9SV, stated, "The weather conditions in Switzerland made for noisy conditions on 144 MHz and 432 MHz." Dale, AF1T, remarked, "Conditions during the second weekend, especially Sunday, Nov 15, were absolutely dismal! You know something is wrong when even W5UN and DL8DAT are weak!" Shep, W7HAH, on the other hand, found that the Moon was being very kind to him on all days except the 15th of November when he encountered "Faraday rotation lock-out." Perhaps the Moon didn't appreciate his Yagi approach.

Most entrants in this year's EME contest seem to agree that it was one of the most difficult in a while, yet still rewarding. Dave, W5UN, declared, "I found the conditions to be very poor this year due to the unfortunate occurrence of a major solar flare the Thursday preceding the first contest weekend. Residual effects occurred during the second weekend. Even so, the contest was enjoyable."

This year's EME contest seized the attention of 127 amateur stations, who competed in nine different categories. In the single-operator multiband category it was Enrico, HB9SV, who captured the esteemed "top spot" with a score of 742k points. Following in second place with a commanding score of 624k was Hannes, OE5JFL. Shep, W7HAH, followed Hannes with a strong third-place effort, scoring 455k points. In total, the single-operator multiband category had a total of 17 entrants.

In the single-operator 50-MHz category, the winner was Ray, WA4NJP, with a score of 200 points. Perhaps next year someone

may challenge Ray for the Moon's attention on 6 meters, as he was the only entry received for 1987.

Single operator, 144 MHz, was again the largest category, attracting a total of 58 entries. And yes, once again the "King of 144 MHz" is the omnipresent W5UN, with 1,284,400 points. Dave not only had the highest score in the contest but was also the only single op to break the 1-meg mark! Following in second place with a score of 945k was KB8RQ. Gary attributed his high score to the new K6MYC-designed antenna. Manfred, DL8DAT, racked up 823k points for the third-place spot.

Thirty-three single operators were burning up the atmosphere on the 432-MHz band. The leader of the pack was DL9KR with a score of 381k points. It seems that there is no obstacle too great for Jan as he had to face extremely gusty winds for his win. In second, and nipping at his heels with a score of 315k, was Frank, NC1I. Finishing in third place with a score of 285k was FD1FHI.

In the single-operator 1296-MHz category, OE9XXI worked 24 QSOs and 19 mults to take the leading spot. His 45k points were just too much for Tom, WD5AGO, to overcome, finishing second with 4k points.

The multioperator, multiband category was led by K2UYH. The SNJ-based multiop crew turned in a whopping score of 1,065,000 points for their first-place victory and also claimed the second highest score of the contest. In second place with a score of 558k was the West Virginia team of W3IWI/8. YU1AW and YU7EF placed third with a score of 231k points. In total, there were four entries in this category, up one over last year.

The multioperator 144-MHz category boasted a total of seven entrants this year. OZ1EME walked away with a secure 300k margin. Denmark's winning multiop crew amassed 436k points for their final score. In second place with 96k points was the Hungary team of HG1W. Radio Club Prague, OK1KRA, finished third with a score of 40k points.

There were five entries in the multioperator 432-MHz category, an increase of one over last year. The three-man Seven Hills, Ohio crew out-multiplied second-place finishers KP4I with 29 multipliers, for a score of 217k points, to take first place. The French team of F1ELL finished in third place with 165k.

Of the two entrants in the multioperator 1296-MHz category, it was WB0DRL who led the way with 27k points. In second with 11k was the HB9MZO crew.

Thanks to all the participants in this year's contest for their soapbox comments, photos and enthusiasm. Next year is sure to provide fun and excitement. Watch for the dates and rules of the Twelfth Annual ARRL Inter-



The EME contest doesn't require huge antennas to participate. DL6WU scores very well on 432 using a 24-ft 6-meter-boom single Yagi with an "armstrong" rotator.

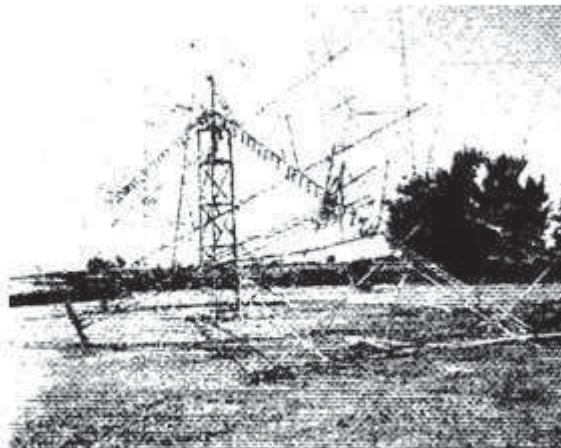
national EME Competition to be announced in a future issue of QST. CU there! 73.

SOAPBOX

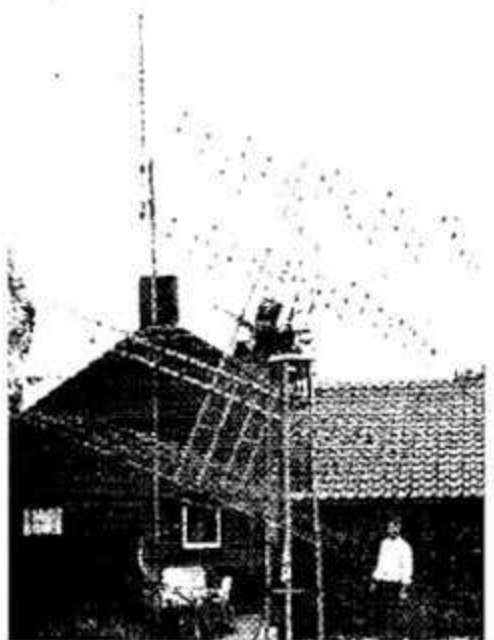
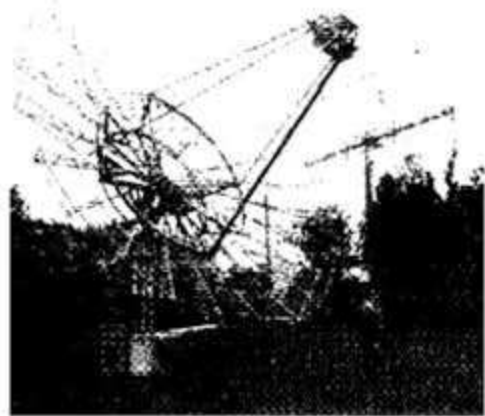
The new array was not completed until just a few hours before the weekend. In spite of that and poor conditions, it was a fun test! (W7IUV). It was my first contest with a real EME antenna and I had a ball (K13W). The contest was certainly a lot of fun, my first via the moon (WD9ACA). Conditions poor. Alcohol consumption high. Lots of fun (GM41PK). Bad snowstorm the last day so we



Hand cranking through a bore sight, Tom, WD5AGO, managed to place second in the 1296, single-operator category.



What's left of Gary KB8RQ's 32 32-19 Boomers after a wind storm? Not much!



Enrico, HB9SV, displays his single-operator, multiband winning antennas.

Using this stacked array, SM5DGX worked 76 QSOs and 33 mults for his ninth-place finish.

couldn't operate (WA7KYM). My first 1296 contest; really enjoyed it. More power and bigger dish next year (WD5AGO). Typical signals received on 70 cm from the Arecibo 1000-ft-diameter dish ran about 109-dBm. Assuming these were from 1-kW rigs, our 60-watt signal should have been received at -121 dBm, or 31 dB above the noise in 500-Hz, 100-degree system (KP4I). Faraday lockup after moon reached azimuth 160 degrees on all four mornings (DL9KR). Made my first 4 EMB contacts in the contest. I will be back for more in the future (W5NZS). Thanks for running the contest; it's always fun (K5WXN). This year as well, the weather was not very good during the two parts of the EME contest. There was a strong wind and it rained on Oct 18 and Nov 14. For this reason, there was much

noise on 144 MHz and 432 MHz and an instability of my antennas. In spite of these inconveniences, I am satisfied with my results. I was able to contact 21 new stations (HB9SV). Very enjoyable contest this year with no weather problems for a change (W7HAH). Made 9 QSOs for approximately 20 hours work on 432 and worked 6 stations in 36 minutes on 2-meters! (W7ID). Contest was great this year. I was running my new antenna array, 16 2M-5WL that K6MYC designed. The 32 32-19 boomer that I ran the last two years went down in a wind storm during the summer. I felt that K6MYC's new 2M-5WL are as good as my old 32 array. See everyone on 144.016 next contest. I was only a few contacts from last year's score (KB8RQ). What a great time—16 new stations and 1 new country. See you on 144.011 (N5BLZ). I worked the whole summer to get the new antenna up for

PA3CSG's antenna used for their 47 QSOs on 432 MHz.

the test but I still had many problems the first weekend (SM5DGX).

FEEDBACK

Please refer back to March 1987 QST, pp 85-86, for the following correction. HB9CRQ, a single-operator, multiband entrant, scored 217,800 and not 117,800 as listed in that issue of QST.

Scores

Scores list: call, score, stations heard, stations worked, multipliers, band (A—50 MHz, B—144 MHz, C—220 MHz, D—432 MHz, E—1296 MHz, F—2304 MHz).

Single Operator, Multiband

HB9SV	742,000	55	55	26	B
		40	40	20	D
		21	21	18	E
OE5JFL	624,000	103	87	34	D
		24	23	18	E
W7HAH	455,000	72	72	35	B
		19	19	15	E
K4QF	413,800	4	4	3	B
		76	76	31	D
		14	14	10	E
N4QJV	400,400	18	18	13	B
		73	73	31	D
HB9CRQ	268,400	69	69	32	B
		5	5	4	D
WB9CMN	151,900	26	26	16	B
		21	21	15	D
F2TU	125,200	26	26	16	D
Y22ME	121,800	18	18	12	B
		30	30	17	D
W7FN	110,400	69	47	28	B
		2	1	1	D
G3LTF	71,300	2	2	2	B
		18	18	13	D
		11	11	8	E
VE4MA	86,000	18	18	13	D
		11	11	8	E
		1	1	1	F
AF1T	51,700	27	27	19	B
		2	2	2	D
W7ID	19,500	6	6	5	B
		9	9	8	D
SM3AKV	16,400	5	5	4	B
		14	14	10	D
		2	2	2	E
UA3TCF	2,500	1	1	1	B
		4	4	4	D
SM5PYP	2,000	3	3	2	B
		3	3	3	D
		3	3	2	E
		1	1	1	F

Single Operator, 50 MHz

WAANLP	200	2	2	1	A
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Single Operator, 144 MHz

WSUN	1,284,400	247	247	52	B
KB8RQ	948,000	189	189	50	B

DL8DAT	623,200	156	156	48	B
N5BLZ	608,800	127	127	45	B
WA1JDN/7	602,000	140	140	43	B
SMS5FNH	520,300	121	121	43	B
E4ZLLJ	298,800	83	83	36	B
WB8ACA	291,800	84	81	36	B
SM5DGX	250,800	76	76	33	B
KB2CV1	244,400	74	74	33	B
K20S	224,400	66	66	33	B
LZ2US	224,400	66	66	33	B
OK1MS	217,000	62	62	35	B
OZ4MM	211,700	79	79	29	B
SM2CEW	207,400	61	61	34	B
SM3LBN	180,000	60	60	30	B
KI7WH	159,800	57	57	28	B
W7RUJ	153,900	57	57	27	B
SM4GVF	148,800	56	56	26	B
DJ7UD	135,000	54	54	25	B
PA3EIE	132,300	49	49	27	B
WA8TKJ	124,800	48	48	26	B
ON7RS	123,800	38	38	22	B
KF8M	71,400	34	34	21	B
GM4PK	61,200	34	34	18	B
KB8DOV	51,000	30	30	17	B
F8DFR	47,800	28	27	17	B
HKTC	44,200	26	26	17	B
UA1ZCL	43,200	24	24	16	B
SM5JOT	42,200	72	27	16	B
IK3W	41,400	23	23	16	B
N6CW	40,000	26	25	16	B
WB7WH	26,500	19	19	15	B
WA7TJU	26,000	38	30	14	B
Y25RD	26,000	19	19	14	B
E4SDXU	20,400	17	17	12	B
WSUWB	16,000	15	15	10	B
WBRT	14,300	13	13	11	B
WBV	14,300	13	13	11	B
F8EYM	12,800	14	14	9	B
WB8PAT	11,000	11	11	10	B
KC3LZ	10,000	10	10	10	B
GM4LJU	8,000	16	10	8	B
K5WE	7,200	9	9	8	B
N11W	4,200	7	7	6	B
WBVVW	3,800	10	6	6	B
W4MVI	2,500	5	5	5	B
N8GT	1,700	4	4	3	B
W1AJM	900	7	3	3	B
K2GAL	900	7	3	3	B
J4GEYI	900	11	3	3	B
PA3EON	800	28	4	2	B

WA7VHW	600	3	3	2	B
W2RS	400	10	2	2	B
LA3EQ	100	1	1	1	B
VK3AUJ	100	1	1	1	B
KN5S	100	1	1	1	B
VE5LY	100	1	1	1	B

Single Operator, 432 MHz

DL9RFI	381,100	103	103	37	D
N6TJ	315,000	94	80	36	D
FD1FH	285,600	98	84	34	D
K1FO	270,800	82	82	33	D
DJ6MB	151,200	54	54	28	D
DJ8BV	136,000	50	50	27	D
WA3FFC	108,100	47	47	23	D
JA6CZD	80,300	43	43	21	D
W5IP	78,000	36	36	20	D
JR4AEP	62,000	31	31	20	D
KL7WE	59,800	35	35	17	D
JA4SLC	52,800	39	33	16	D
DL6WU	45,000	38	38	18	D
WB8RAP	40,500	38	27	15	D
OE8PHV	28,000	20	20	14	D
KD8RT	25,200	18	18	14	D
KS0YN	24,000	24	20	12	D
W7CI	21,800	9	9	6	D
YU1IQ	21,800	29	18	12	D
W1JR	19,500	15	15	13	D
CH200	19,200	16	16	12	D
JR8YSI	17,800	16	16	11	D
XE1XA	16,500	15	15	11	D
UA6LGH	16,000	23	23	8	D
JAG6CH	14,000	14	14	10	D
W4A0FS	14,000	14	14	10	D
W5NZS	1,600	4	4	4	D
LZ2AR	900	3	3	3	D
IS7DJ	400	2	2	2	D

Single Operator, 1296 MHz

OE9XX	45,800	24	24	19	E
WD5AGO	4,200	11	7	6	E

Multioperator, Multiband

K2UYH (+ K2K SMN, TXK, KAZ, VAD, N2AU, 6L, WB3BMV)	1,085,000	53	53	28	B
		80	80	31	D
		17	17	14	E

W5WUB (+ K2K AOE, TXN, KAZ, OEG, W53DZC, AAATJ, N4FMA, WB4ZJO, KXJL, WA7CJO)	558,800	85	85	32	D
		18	18	12	E
		11	11	7	F

YU1AW (+ YU7EF)	231,000	6	6	6	B
		64	64	27	D

OK1GR (OK1K DAL, DAK, DC, CZ, opnl)	72,600	28	22	14	D
		10	10	7	F
		1	1	1	F

Multioperator, 144 MHz

OZ1EME (OZ1PTU, OZ2GZ, OZ2SO, opnl)	428,000	106	106	40	B
HQ1W (+ HQ1E YA, YI, YU, opnl)	95,000	42	42	23	B
OK1XRA (OK1K AUT, BRA, DD, opnl)	45,900	30	27	17	B
I2FAX (+ I2ZCSM)	40,800	24	24	17	B
KL7X (+ AL7E)	31,500	21	21	15	B
WA7KYM (+ WBKJY)	30,800	29	20	14	B
ED0P (+ EI2CHB, EI4BZ, EI5FT, EI6ST, EISE)	400	2	2	2	B

Multioperator, 432 MHz

KR1W (+ N6G, W0BHC)	217,500	75	75	29	D
KP4 (+ NU2Y)	190,400	82	82	29	D
F1ELL (+ F1DDA, PD1E FLN, HTB, F6BBO)	165,200	59	59	28	D
PAC3SG (+ PA3C CYN, OEB, PA4BD)	112,800	47	47	24	D
W8JFW (+ N0KC)	22,100	17	17	13	D

Multioperator, 1296 MHz

WB8RL (+ WA8TKJ)	27,000	20	18	15	E
HB9MZO (+ HB9C C0P, V)	11,200	14	14	8	E

Check Log

K5AZU	875
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