



# RESULTS, 40th

## ARRL International

### DX Competition

G3MXJ

REPORTED BY RICK NISWANDER,\* WA1PID

**T**HERE WE WERE . . . all hunched over our radios the Friday night of the second cw weekend, waiting for the contest to start. All the other weekends had been rather punk, but this time WWV was doling out N7 and DX was rolling in on 20 better than it had in some time. Helios, the sun god, was shining his ever lovin' light on us for sure. By the sounds of things we wouldn't have to be makin' hay only when the sun was shining — those ions would be bouncing around so much we could continue to rake in the QSOs late into the night on the higher bands. Then, from stage right, Griznoid, ruler of bad conditions, strode quietly on stage early Saturday morning, did a little dance and scampered off stage left. What a bummer! At least on the other weekends he did his dance earlier so we knew what we were in for. This time he let us get our hopes up only to dash them during the contest. *Sic fait crustulum.*

Even with Griznoid's fancy footwork, the second cw weekend exhibited the best conditions during the contest. The phone weekends (February and March 2-3) produced poor conditions with 20 being the only truly useable band for most, while 10 was only slightly open the second weekend (which was better than the first when it barely

opened at all!). The cw weekends (February and March 16-17) were considerably better. The first weekend was only so-so, but the second had a few pleasant surprises. Forty was outstanding the first day and a bust the second. Ten showed signs of life in the European direction (K6EBB even worked a G!). Fifteen provided Europeans for the Western reaches and even a few JAs for those on the Eastern seaboard. Even though things are not as good as they used to be they are not as bad as we think they are. Short, but sweet, openings will be the order of the day in the coming years and a quick hand on the bandswitch might make the difference between gettin' 'em and not.

Seldom does international tension or fringe-element violence cause anyone to really sit up and take notice. One particular story that broke in April hit close to home for many around the world. On April 12, 1974, Fred Laun, known in our circles as LU5HF1, was kidnapped from his home near Cordoba. Shot during the kidnapping, Fred was later released in none-too-good condition and was nursed back to full health in at least three different hospitals. As of this writing Fred has had the last of the major operations necessary to put him back together again and is now living near Washington, D.C. We join many others in wishing Fred a quick and full final recovery and hope that any of his future DXcapades be not quite as exciting.

Last year I was remarking how Fred just couldn't compete with those closer to the U.S. because of the distance problem. Well, he did it

These are the antennas that helped propel WA8ZDF to top Ohio and Great Lakes Division spot in the phone portion. The left antenna is 3 el on 40 at 100 feet. In the middle are 8 on 10 at 100 feet and 6 on 15 at 115 feet. The right tower supports 6 el on 20 at 100 feet.

From October 1974 QST © ARRL

## TOP TEN

### Single Operator

### Single Operator

#### CW

#### Phone

W/VE	DX	Score
W3LPL	LU5HFI	3,856,032
W1BPW	KH6RS	3,520,440
W2GXD	KH6IJ	2,751,462
W6MAR	PY2ZBA	2,072,304
K4GSU	HC1CW	1,642,212
W6RR	EA2IA	1,607,424
K6AHV	CR6AI	1,409,847
W6PAA	I6BQI	1,331,946
W2PV	OX3YY	1,278,554
WA1PID	G3MXJ	1,062,480

W/VE	DX	Score
W6OAT	HR1RF	4,758,840
K6AHV	6F8J	3,307,128
W6DGH	CE6EZ	3,147,844
W3WJD	KH6IJ	2,768,424
W3LPL	KH6IGJ	2,148,027
K4VX	KH6BZF	2,106,106
W5SZ	PJ9JT	1,654,326
WA1PID	W4EV/VP9	1,628,709
W6RTT	CR6NO	1,501,236
K1JHX	PY8ZAC	1,449,525

anyway, distance or no. Fred's score, multiplier total and QSO total all set new South American cw records. In fact, his multiplier total is higher than any other DX multiplier count on either mode in any class!

That HC1CW you heard numerous times over both weekends is the marauding Michigander, K8UDJ, who was at TI2DX last year. Chuck should be around Ecuador for a few more years.

Incorporated in the writeup this year is a new box listing QSOs per band for the top 10 single op, top 3 multi-single and top 3 multi-multi W/VE entries on both phone and cw.

Log returns dropped only slightly (somewhat amazing in view of the mediocre band conditions). We tabulated 1070 cw logs - 776 phones and 125 check logs for a total of 1971 - about 6% down from last year.

Picking the winner of the Golden Pencil Award this year was difficult. HI8XAW finally came out on top. Congratulations, Allen. Honorable mentions go to ZF1AK, PJ8SE and OZ1LO who all turned in particularly nice looking logs.

This being the 40th anniversary of the ARRL International DX Competition a little bit of reminiscing seems in order. The DX Test started in 1927 (making it the oldest contest around) and, except for breaks in 1929, 1932 and 1941-1946, has been going strong ever since. The first installment required advance registration, a test message of 8 words to be sent, and ran from May 9 through 23! A couple of goodies showed up in the results of that first one - China and French Equatorial Africa. In fact, in 1930 we had no less than 3 China entries! Quotas were introduced in 1936 (quotas, for those of you that don't know, set a limit to the number of stations you could work from each country on cw - only 3 at that time!). All quotas were dropped in 1967. In 1955 the exchange was modified to what we have today. In the early 50s input power was sent by all, and before that a distinctive serial number was used.

The club competition was started in 1934, although gavels were not awarded until the 1938 contest. The South Bay Amateur Assn. of Long Beach took the first gavel and grabbed two more before the war interlude. After the hiatus, Frankford RC and Potomac Valley RC traded the gavel-winning honors amongst themselves except for 1950 and 1956 when Southern California DX Club got a couple and this year when Murphy's Marauders picked off one. In addition to hitting our 40th birthday, one other milestone was surpassed this year - total log submissions for all the DX Competitions passed the 60,000 mark in 1974 - 61,580 to be exact.

That's just a short thumbnail sketch of the DX Test. Many, many items had to be left off. We hope it provides you with a bit of insight into the 40-year history of the DX Competition. We also hope that you will receive as much, if not more, enjoyment from the contest during the next 40 years as you did over the last 40. Whether you are out to win or just to snag a few new countries the DX Test can provide hours of DX chasing fun. CU in '75.

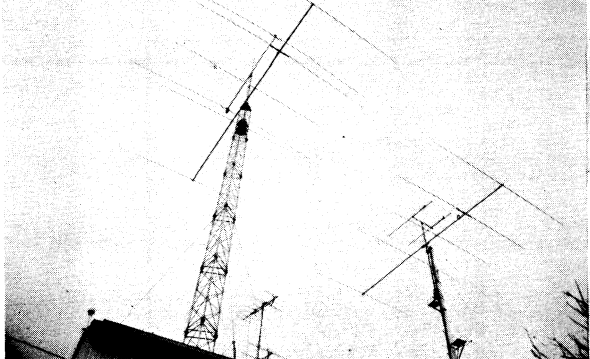
## SOAPBOX

### Clicks

Very nice contest. It's sure exciting having stations pile up on you. I had my 14th birthday between the two weekends. - (KL7HER). Got my 100 foot tower up two weeks before the first cw weekend and it's going to come down one week after the second weekend. Been waiting 20 years for that tower and got to use it for 6 weeks. Oh well . . . - (W7NQ). This probably will not qualify for the Golden Pencil but it's better than

Number two in the world on phone and top Mexico is 6F8J. A quad and inverted vees helped Jose garner over 4000 two-ways and 3.3 million points. FB!





JA1BRK and antenna farm. The big tower supports 2 el for 40 at 90 feet and 5 for 20 at 80 feet. The other tower holds aloft 5 elements for 15 at 55 feet and two beams for 2 meters at 58 feet. During the contest a 10-meter yagi was installed at 82 feet on the big tower. The neat antennas and station layout helped Tac to a first place finish in Asia on both phone and cw. FB job!

getting one written on birch bark with a crayon. — (VK4ZV). With low power and a 25 year-old receiver one doesn't burn up the ether nor walk off with any honors but it is fun working new countries and new multipliers. — (W5SOD). Considering the sunspot cycle, conditions were excellent. Quite surprised to work 5 Europeans on 10 meters. — (K5ABV). Thanks again for FB contest. — (PAØTA). Murphy struck quickly the first weekend when the T-4XB was loaded directly into a 75S-3B. We found that Collins receivers don't work too well as dummy loads. — (W5KFL). Have missed only a few DX Contests since the spark days, even was in the one in the thirties that ran continuously for over a week. — (W2AWF). Raised my 133-foot center-fed antenna higher. It tangled with the 50-MHz yagi and exploded the tuner. While it was tangled I seemed to do pretty well on 3.5 MHz. Now I can't seem to recreate the favorable situation. — (W2PAU). Can't wait for the spots to return. — (WAØENP). Conditions not too good any weekend. Glad for 10-meter opening second cw weekend, even if it was small. — (WASSOG). This DX Contest is still the greatest. — (W2BQF). It wasn't a total disaster anyway. I got 7 new countries and 9 new prefixes out of it. —

(WNØJGT). In receive I actually lit 3 No. 47 pilot lamps across the coax with the TA-33 pointed east that first Sunday. — (WØOC). For two or three years now, this new idea of a 2 kw local making the DX come to him is making it less worthwhile for me to try for a high score or even send in a log. — (K9VQK). No interesting experiences except the loss of beam antennas and loss of HV power. Had lots of fun with 150 watts input. — (W3OV). My new beam was too big for the old rotor. Both weekends were spent with the beam held by rope in a northeast heading. — (K2KIR). Ten opened for a short time one afternoon while I was asleep. Nuts! — (W3NZ). Two years ago I was a stubborn phone man but I saw the light. — (F2XW). The highlight of the ordeal was when our 18-AVT, which was mounted in the surf fell over in the salt water about one o'clock Saturday morning. We washed it off in a beach shower and put it back up. — (ZF1AL). Operated with a very bad antenna from poor QTH surrounded by 6000 foot mountains. Many people found my callign somewhat long. — (G3TXF/OE9). It's a great thing for a person of my QRP station to contact many Ws in a few hours. — (JF1DOC). One of these days I am going to be able to put in all the hours that the

### TOP W/VE — QSO/BAND

#### Single operator — cw

	160	80	40	20	15	10
W3LPL	142	487	779	419	50	
W1BPW	5	195	341	885	302	58
W2GXD	189	376	743	221	51	
W6MAR	4	153	911	468	315	31
K4GSU	2	134	332	695	337	32
W6RR		83	805	590	277	31
K6AHV	1	127	682	421	324	24
W6PAA	11	200	684	421	289	21
W2PV	2	97	269	779	254	39
WA1PID		224	152	790	231	42

#### Multi-single — cw

K4VX	1	160	309	700	413	52
WA1KZE	3	161	219	832	298	29
WA8TBQ		145	214	713	170	32

#### Multi-multi — cw

W3AU	22	470	827	1263	708	106
W3WJD	7	364	654	1318	577	78
K1VTM	16	301	662	1288	444	51

#### Single-operator — phone

	160	80	40	20	15	10
W6OAT	5	134	585	605	749	43
K6AHV	2	131	444	693	570	43
W6DGH	3	154	410	461	627	47
W3WJD		179	70	676	210	34
W3LPL		102	121	672	230	29
K4VX	2	108	94	753	216	48
W5SZ	2	110	148	383	385	54
WA1PID		78	37	997	160	10
W6RTT	1	55	392	465	498	35
K1JHX		72	43	752	215	31

#### Multi-single — phone

WA1NRV	2	167	73	939	231	17
W6YRA	1	160	336	414	548	47
K1CSJ		70	68	920	164	8

#### Multi-multi — phone

W3AU	11	354	255	1563	650	102
W2PV	20	422	264	1523	528	46
K6SEN		224	717	796	1138	68

bands are open without having to go to work. - (KG6JAR). I like working the ARRL cw Test because it is possible to work with very excellent operators. Congratulations to every USA OM. - (I6BQI). Thought you were magicians picking the dates when WWV was sending N7 Friday night, but Saturday night with that W4 announcement was surely enough to drive all but the big guns up the

wall. - (W4WHK). Very happy to work New Mexico and Idaho for my states numbers 49 and 50! - (OZ6PI). Took the afternoon before the test off from work and put up a 2-element quad directed to the U.S. for 40 meters and a vertical with a very poor groundplane for 80. - (SM5AYY). I happened to be 40 years old on the last day of the contest which caused some bad

The response to my plea for input on the club box format, while not overwhelming, was sufficient to indicate a desire to switch over to listing the clubs by call areas rather than by total score. For that reason, the club box format has been modified to be similar to the new SS club box style. However, there has been one change. In addition to the by-call-area listings, an indication has been made to show how the clubs ranked nationally by putting the overall place in parenthesis after the club name. This format will be used from now on in the DX Competition as well as the Sweepstakes.

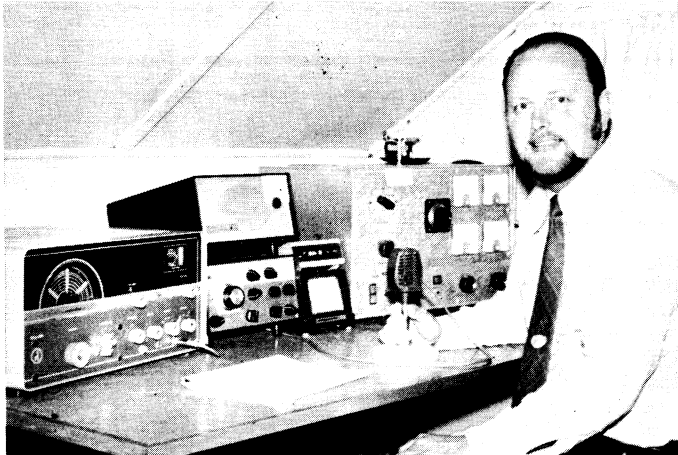
Four new clubs jumped into the top 10 listings this year. The San Diego DX Club, Honolulu DX

Club and Wireless Institute of the Northeast placed 7th, 8th and 9th (without any club entry last year!). The Indy DXers grabbed 10th spot - a jump up of 2 places from their finish in 1973.

Phone		CW
Murphy's Marauders	1	Frankford RC
Frankford RC	2	Murphy's Marauders
Potomac Valley RC	3	Potomac Valley RC
N. Cal. DX Club	4	N. Cal. DX Club
San Diego DXC	5	Wireless Inst. NE
Richardson Wireless	6	Honolulu DXC
W. Wash. DXC	7	W. Wash DXC
Honolulu DXC	8	Richardson Wireless
Indy DXers	9	Order of Boiled Owls
Wireless Inst. NE	10	San Diego DXC

### AFFILIATED CLUB SCORES

Club	Score	Entries	Cw Winner	Phone Winner
<i>One-Land</i>				
Murphy's Marauders(Ct.) (1)	33,879,676	67	W1BPW	WA1PID
Connecticut Wireless Association (22)	296,739	6	K2HK	.....
<i>Two-Land</i>				
Wireless Institute of the Northeast(N.J.) (9)	5,115,147	26	WB2FIT	WB2SHH
Order of Boiled Owls(N.Y.) (12)	2,591,688	9	W2GGE	.....
South Jersey Radio Association (13)	1,702,827	17	W2PAU	W2FYS
Gloucester County Amateur Radio Club(N.J.) (25)	155,091	6	W2FBF	WA2NPD
Lake Success Radio Club(N.Y.) (31)	5259	5	.....	W2YKQ
<i>Three-Land</i>				
Frankford Radio Club(Pa.) (2)	33,483,653	78	W2GXD	W3WJD
ARINC Amateur Radio Club(Md.) (26)	150,489	7	.....	W3PWO
<i>Four-Land</i>				
Potomac Valley Radio Club(Va.) (3)	30,687,645	70	W3LPL	W3LPL
Central Virginia Contest Club (14)	1,564,044	13	W4JHK	W4ZSH
Northern Alabama DX Club (19)	540,468	4	.....	K4BYM
Mid-South DX Association(Tenn.) (28)	45,165	6	K4MOJ	WA4ASZ
<i>Five-Land</i>				
Richardson Wireless Klub(Tex.) (5)	7,368,249	19	W5LUJ	W5SZ
Texas DX Society (11)	2,985,705	8	K5PFL	K5PFL
Delta DX Association(La.) (17)	856,983	18	W5OB	W5UDK
San Antonio Radio Club(Tex.) (18)	562,401	7	W5BE	W5BE
<i>Six-Land</i>				
Northern California DX Club (4)	14,196,610	45	K6AHV	W6OAT
San Diego DX Club (7)	6,712,497	12	W6PLH	W6PLH
Honolulu DX Club (8)	6,710,796	3	.....	.....
Stockton Amateur Radio Club(Ca.) (24)	172,851	4	.....	.....
<i>Seven-Land</i>				
Western Washington DX Club (6)	6,833,097	32	W7WMY	W7YBX
Lower Columbia Amateur Radio Association(Wash.)	107,412	7	WA7OMX	W7DNN
<i>Eight-Land</i>				
Columbus Amateur Radio Association(Ohio) (16)	1,283,820	13	W8ZCQ	WA8ZDF
Central Michigan Amateur Radio Club (23)	192,438	5	.....	.....
Parma Radio Club(Ohio) (30)	8139	5	.....	.....
<i>Nine-Land</i>				
Indy DXers (10)	3,740,349	21	W9LT	WB9BPG
Chicago Radio Traffic Association (29)	8784	4	W9WR	.....
<i>Zero-Land</i>				
Twin City DX Association(Minn.) (15)	1,337,547	12	W0HP	W0NAR
St. Louis Amateur Radio Club(Mo.) (20)	466,443	7	W0TDR	K0SGJ
South Kansas DX Association (21)	320,535	5	.....	W0IUB



Third spot worldwide and top South America phone honors were registered by CE6EZ from this nice Temuco layout. Ralf's antennas include 4 elements on 20, a 10/15 duobander and assorted wires for 40 and 80.



local QRM! - (SM5BPP). Hope to make a lot of contacts when conditions improve. - (UA3QYL). I am very glad to meet all my friends in this FB contest. - (UB5TQ). Let's do it again in 1975. - (UF6CX). W/VE operators remain extremely efficient and skillful. Our salute goes to QRPer K8EEG/Ø. We just missed 5BWAS in this one. Where was Nebraska on 80 and 40? - (KZ5NG). I had much fun in this contest in spite of the poor conditions. - (DL7QU). Conditions here in the Arctic Circle were rather poor. - (OH9PF). Worked my first W1 on 80! Still hope to be on next year before going back to Moscow. - (UAØFGM). Had to fight off the Europeans on 10 meters and detoured briefly to exchange 599 reports with 3 JAs on 160. - (LU5HF1). I need a RIT for my transceiver! There must have been a hundred stations I didn't hear because I was using a sharp audio filter and could not move my receive frequency. - (WA6TLJ/HK6). This is my first DX competition and I am very glad. - (PY3CGJ). It is amazing how the two weekends differ in conditions. - (VE3EDC). Band really opened up for Europe on March 17. - (VE7ACZ). I won the CT section award three years in a row back in the 30s but can't keep up the pace nowadays. - (W1EWD). California can stay, but I sure wish the East Coast would fall in the ocean. - (WA8TBQ).

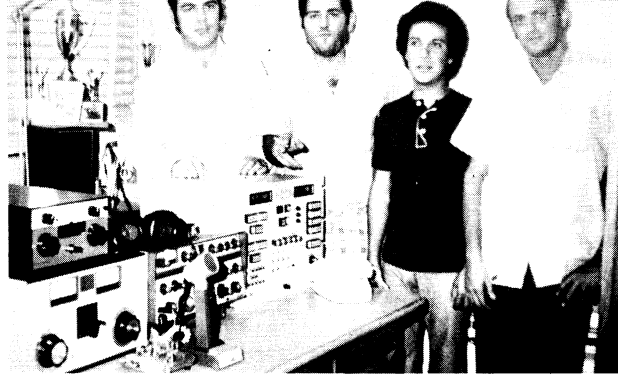
### Splatter

Generally crummy band conditions. - (W9LUH). I cried when I heard VR1AA (on 7 MHz) say we were all the same strength . . . just below the noise level. - (W4ZSH). W/VE amateurs must give thanks to the hundreds of low power DX amateurs who get on and make the ARRL DX Contest a success. - (W2MB). Enjoyed the contest as usual but it gets rather rough with only a monoband antenna trying to work all bands. However, next time it may be different. Think I said that last year too. - (KG6JAR). I would have gladly given up my only square meal, a three course dinner of pocket size Cracker Jacks, corn flakes, and Shredded Wheat, for a linear. - (WA6VYK). Worked in a contest for the first time in 16 years of being licensed just for a couple of hours to test ability to handle it. Now I am waiting for next year's with formal planning and hope to have time available. May I compliment American hams for their orderly procedures in the contest. - (LU6ACU/YV4). I got into the contest on March third purely by accident, but am I ever glad I did. It was such fun and having an OA call certainly added to it. - (OA4AKQ). First contest from Georgia after 16 years as K5MDX in Mississippi. -

Minimums Band	30	50	80	70	20	Minimums Band	30	50	80	70	20	Minimums Band	30	50	80	70	20	Minimums Band	30	50	80	70	20		
	80	40	20	15	10		80	40	20	15	10		80	40	20	15	10		80	40	20	15	10		
VE3GCO	32	8	80	36		W3AU*	81	78	146	117	25	W4WRY	36	29	54	52	11	W7ATF*	33	31	65	42	3		
K1CS*	38	42	95	61	6	W3BGN	19	26	80	37	10	W4WRF*	18	48	103	63	14	W7FR*	31	18	89	35	7		
K1JHX	39	33	92	76	16	W3BYX*	45	92	39	1	W4ZTW	12	58	47	20	W7SFA*	60	59	114	53	12				
K1RQE*	53	44	84	68	6	W3DHM*	73	67	128	76	18	W4AECY*	25	43	55	87	20	W7YTN	41	8					
K1VTM*	66	62	116	88	14	W3FRY*	63	58	130	82	16	W4B8GY*	47	54	96	53	13	W7NIN*	39	39	81	52	14		
K1ZND	31	20	78	45	7	W3GL*	37	42	55	42	8	W4B4NR1	8	5	106	64	17	W7PFI	43	13	53	29	5		
W1CMH	29	19	86	52		W3GM*	70	65	120	80	18	W4TPU	22	20	81	43	9	W8STBQ	35	27	97	52	11		
W1ZM*	80	56	120	86	8	W3GRF*	36	51	92	59	17	W4U2T	50					W8GIO*	24	28	88	53	2		
W2AX/1	37	34	52	58	9	W3GRS	43	19	71	64	12	W4VUP	28	29	79	77	26	W8NGO*	26	40	85	51	9		
W1ABV	31	17	61	30	1	W3KT*	14	30	81	55	17	K5JZY	21	34	67	58	25	W8TWA	33	39	73	41	10		
W1AJU**	55	47	101	57	6	W3LFL	52	59	101	77	18	K5PFL	55	58	80	62	27	W8TBD*	54	38	96	36	7		
W1ANR*	63	44	107	78	12	W3GM*	31	39	78	48	13	W5SZ	47	55	92	77	21	W8YWX	21	34	101	59	7		
W1APD	38	30	106	59	8	W3QOR	32	13	52	36		W5UDK	40	44	58	65	28	W8ZDF	43	48	108	65	21		
W1ARD*	32	17	52	31		W3ST*	45	45	96	62	14	W5QBM/5	28	55	91	81	21	K9TZH	8	15	87	31	3		
W1ASTN*	34	12	61	43	5	W3VT	46	47	87	66	15	W5ALUM	58					W8DUB	25	50	62	48	13		
W1AQJ/1	34	26	82	54	8	W3WJD	61	45	111	82	18	W5BPTX*	71	73	116	78	26	W8LFL	25	27	85	46	13		
K2FL	29	23	95	60	11	W3ZSR	27	42	83	61	16	K6ARV	51	46	94	63	22	W8LTL	41	45	89	57	12		
W2EHB	22	16	81	59	11	W43ATX*	45	46	82	65	13	K6SEN*	65	53	102	72	25	W9MLG	30	47	55	46	7		
W2GDH	43	50	85	68	18	W43EPT*	33	39	86	47	13	W6DGH	54	45	81	56	20	W9OH0	9	38	81	45	14		
W2MB	46	43	86	57	8	K4CG	53	32	93	61	16	W6MAR*	44	50	78	73	31	W9BRX	41	43	21	21			
W2NVB*	32	28	71	36	6	K4CL	51	26	66	60	15	W6OAT	41	45	91	54	16	W9ZTD*	52	7					
W2P*	96	79	131	100		K4EWG	30	26	82	57	14	W6QNV*	38	45	102	64	22	W9SNPM	26	30	81	45	13		
W2RAD	24	23	84	48	6	K4GRD	50	32	74	41	15	W6PAA*	40	50	93	61	24	W9BPG	30	40	95	69	19		
W2BCU/2*	32		84	33		K4LSD	31	39	59	46	16	W6PLH	43	29	58	50	22	W8MYN*	36	38	76	55	21		
W2BHK	32	12	34	18		K4VX	49	46	94	72	23	W6RRT	31	34	78	54	15	W8PCO*	33	45	51	46	9		
W25H	35	24	95	42		K4WJ	30	21	74	36	11	W6YSA*	24	20	59	59	22	W8GEP	30	42	81	54			
K3CY	29	25	87	61	8	W4BAA	33	38	69	39	23	W6EPQ	26	29	66	52	27	W8TFLT	21	5	84	40	7		
K3GD	47	24	75	58	5	W4OZF	35	25	23	53	17	W6IQM*	30	31	89	53	18	W8ØANT	32	33	60	29			
K3MB*	7	22	110	36		W4QQN	40	40	67	70	28	W6SRA/6*	35	31	86	53	16								

## DX CONTINENTAL CHAMPIONS

	<b>Phone</b>		
	<i>Single Op.</i>	<i>Multiop.</i>	
Africa	CR6NO	.....	
Asia	JA1BRK	JA3ZBI	
Europe	CT2BG	G3UBR	
N. America	HR1RF	KZ5NG	
Oceania	KH6IJ	KH6GKD	
S. America	CE6EZ	YV4AGP	
	<b>CW</b>		
	<i>Single Op.</i>	<i>Multiop.</i>	
Africa	CR6AI	.....	
Asia	JA1BRK	UK0BAE	
Europe	EA2IA	HG5A	
N. America	OX3YY	KZ5NG	
Oceania	KH6RS	KX6BU	
S. America	LU5HF1	LU1DZ	



The highest score in the contest was provided by this multi-single crew at YV4AGP on phone. From the left: YV4TI, YV4AGP, YV5CVC and YV4YC. The Signal-One/Alpha 77 combination pours its signal into a 4-element quad for 20-10 at 70 feet, a 3-element 40-meter yagi at 85 feet and sloping dipoles on 80 and 160. Now you know why they were so bodaciously loud!

(K4JRB). I think incentive licensing means hearing all the good stuff in the higher class bands. Passed Advanced on March 22. — (WA2AOG). Sure wish the DX Test's first weekend doesn't always coincide with the tail end of bird season here in VA. That's just when the dogs start working their best. Almost hope for snow so I don't have to make the decision about which to do. — (K4JYM). First contest since 1957 NR. Really enjoyed it. — (K0PVI). I'm looking forward to next year, but oh those sunspots! They probably won't have much sympathy. — (W0LP). My first test with a tower. Oh man, what a difference! — (W3ZSR). My little brother and our dog ate up all my groceries so I lasted for 56 hours on four gallons of oatmeal. — (WB9BPG). Biggest surprise was VE3AII/SU calling me on 15 using his 20-meter beam. — (W4QQN). I extended a 6-foot flagpole on my apartment balcony for operation on 20-10. I also made a trap dipole for 40 and 75 and strung it in a rectangle in a small attic. Those apartment dwellers who cannot erect towers and big antennas can still participate and have a lot of fun in their effort. — (W4HVU). An errant match almost burned up logs. Name on match cover? Murphy Plumbing! — (WB2VFT). Interesting to note that when the JAs are in a pileup working us, one doesn't hear the Japanese equivalent of "He's working by districts, lid" or "He didn't call you, idiot" or "Don't transmit

when he is talking, stupid." — (WA6CPP). The biggest thrill was working UA0FGM on 75 meters. On March 3, the ZS boys were complaining that all they could work on 10 meters was Florida, which I happened to think was fine! — (W4BAA). In Dallas I used monband beams at 70, 75 and 80 feet. I moved to Cedar Rapids this last summer but did not have enough time to put up a tower so ended putting up a 14-AVQ. I expected that the contest would not be fun with the 14-AVQ in view of what I was used to using in Dallas. I was surprised. Even with a vertical the thrill was still there. — (W0PCO, ex-W5EQT). At 2000Z the bands were wide open here but everybody had their beams turned to EU and Africa. I keep calling CQ here. — (WA6HRS, op. of KX6DB). The more we progress with equipment and antennas, the worse the propagation. Is this also Murphy's Law? — (SP5PWK). Multi-multi with one tower is a terrific way to ulcers and a bad strain on a good friendship. — (W6MAR). Next year's contest will not feature KZ5NG since our Navy base is closing down. — (KZ5NG). What a vacation and DXpedition all rolled into one; and XYLs approved besides (as they went along too). We were not after first place,

Minimums Band	30	50	80	70	20	Minimums Band	30	50	80	70	20	Minimums Band	30	50	80	70	20	Minimums Band	30	50	80	70	20	
	80	40	20	15	10		80	40	20	15	10		80	40	20	15	10		80	40	20	15	10	
V01AW	31	21	48	32	9	W2FR	47	42	50	31	7	W3TV*	23	71	78	64	27	W5YG*	35	41	26	23	9	
V01KE	42	40	49	39	2	W2GGE	28	76	66	39	18	W3VT	47	67	70	55	28	WB5DXT*	54	75	106	73	24	
VE3CSZ	34	43	59	42	9	W2XDD	51	73	96	61	29	W3WJD*	68	96	116	85	42	K6AHV	36	77	74	52	17	
VE3EDC*	35	58	69	38	9	W2HUI	30	46	65	33	3	W3YIK	31	33	51	23		K6EBB*	34	78	102	65	27	
VE3HUM*	40	55	64	40	5	W2HNN	32	13	23	28	8	W2ZSR	31	37	67	49	18	K6BOVJ	23	62	65	39	20	
K1DIR	53	3	6	20	20	W2HO	40	44	63	30	9	WA3ATX*	50	55	69	57	13	K6QW	25	51	66	29	8	
K1JHX	41	26	69	57	30	W2HUG	30	29	27	21	2	WA3NQX	11	32	72	48	20	K6COF/6	24	70	14	2	6	
K1JYN	31	38	73	39	16	W2MB	38	12	13	18		K4CEF*	58	67	75	67	36	WB6ANN*	30	54	60	37	11	
K1ROE*	50	56	72	58	22	W2PV	42	60	83	54	30	K4CC*	40	57	58	44	22	K6BWH	28	54	75	52	22	
K1TZD	30	44	66	38	12	W2YT	39	57	61	56	21	K4EWG	44	47	72	53	23	W6ISA*	27	64	70	44	20	
K1VTM*	67	93	95	76	33	W2BCU/2*	37	65	28			K4FU	32	32	57	17	8	W6MAR	36	70	80	49	19	
W1BPW	54	71	79	68	35	WA2WBE	41	41	68	48	7	K4GSU	53	77	90	60	22	W6PAA	35	70	75	48	14	
W1DAL	46	70	73	54	16	W82FIT	40	53	68	55	20	K4JYM	52	18	46	36	20	W6PLH	32	66	73	35	16	
W1F9E*	35	46	44	26	5	W8ZRK	31	36	47	1		K4VY*	52	64	78	65	33	W6PK	37	67	67	37	7	
W1FTX	47	9	27	11	11	K3CV	41	43	83	69	29	W4BJ	16	22	44	48	27	W6RR	30	66	85	49	19	
W1MX*	37	45	8	9	9	K3GDJ	57	64	76	54	25	W4BVV*	45	68	78	52	21	W6RRT	24	63	78	43	14	
W1PL	55	2	35	23	5	K3MBF*	22	94	7	7		W4KFC	47	59	71	56	26	W6AGNG*	20	52	67	53	16	
W1ZM*	60	83	72	33	33	W3AFM	31	36	67	51	23	W4KIV	50	51	69	58	24	W7IR	36	71	87	46	19	
WA1ION	33	22	38	28		W3AU*	70	107	123	88	49	W4MCM	16	62	69	52	19	W7NO*	33	58	71	47	16	
WA1JUY*	37	58	72	42	7	W3BG	40	41	81	51	24	W4QZF	20	19	29	32	25	W7SF*	45	72	90	46	18	
WA1KID	40	52	66	38	20	W3BOV	14	19	45	39	21	W4PYZ	40	43	65	51	28	W7YTN	31	24	32	5	5	
WA1KZE*	42	59	69	63	24	W3EYF	38	48	59	48	4	W4QCN	14	15	17	22	12	W7N7N	24	52	62	37	7	
WA1PID	55	52	79	52	26	W3GFM	42	61	73	52	16	W4UQ	49	26	49	21	4	K8IDE*	39	70	86	63	15	
WA1RDN*	58	50	69	56	16	W3FA	33	32	58	44	10	W4YHD	19	58	62	50	14	W8DB	36	50	68	60	16	
WA1SSH	40	48	50	38	15	W3FRY*	65	84	107	86	30	W4YZC	36	47	59	43	16	W8ROF*	45	72	67	44	9	
WA1STN	33	36	60	46	7	W3GL	37	59	60	44	15	W4ZSH	24	52	58	40	19	W8ABTO*	53	69	92	57	22	
WB2CKS/1	47	50	49	47	24	W3GM*	67	87	108	71	40	W84BGV	50	65	71	50	20	W8BPG	8	33	81	58	14	
K2AH*	42	58	64	54	19	W3GFF	42	61	73	52	16	W84CQW	42	19	38	35		W8SFR	30	44	51	30	19	
K2FL*	35	44	62	43	22	W3GRS*	38	36	71	48	15	W84SV	33	32	60	37	14	W8KN1	25	56	89	46	12	
K2FT*	25	50	61	43	17	W3KT*	25	40	77	46	20	W84YLG	41	60	81	64	24	W8LJK	34	40	76	49	15	
K2KIR	45	73	74	49	17	W3LPL	51	78	83	61	28	K5ABV	39	43	60	46	23	W8LT	34	54	74	49	19	
K2KTK	39	41	71	47	12	W3MFW	58	28	63	49	20	K5PFL	49	65	72	62	24	W8RX	37	65	30	11	1	
K2LWR*	68	75				W3NX*	26	62	63	49	12	K5RFJ	24	62	73	68	20	W8SFR	31	29	65	41	9	
K2MME*	33	66	61	39	7	W3NZ	24	66	73	52	12	W8AO	14	61	54	54	25	W8ZTD	41	1			1	
W2AZO	23	36	57	43	22	W3OV	33	41	55	39	16	W8LJW	51	50	68	53	22	W8HP	36	63	49	15		
W2BOF	46	48	68	55	20	W3QOR	42	50	67	51	13	W8PWW	8	25	37	35	26	W8PCO	17	51	53	29	7	
W2ESX	31		22			W3SS*	40	64	88	43	5	W8WZQ	39	68	81	47	18	W80EN*	36	46	75	59	14	
W2FBX	37	6	34	17																				



Top Africa in 1972 and 1973 was 5T5CJ. Jacques had problems with his transmitter *this* year and only worked about 200 QSOs the last day.

but we did have a ball being on the other end of the pile up. — (WA8RXU and WB8LSD, ops of VP2VBW). Had fun. Need better antenna. — (W7JUUA). Too bad we didn't have the good old sunspots. — (W1ZM). Our linear only went up in smoke twice. — (WA4TOA). I think I'll move up to VHF now. — (SM6CKU). VE3AII/SU was the big reward. — (W2RAD). I will be back again next year. — (CR6NO). Working through the W pile-ups is a real pleasure because of their discipline and courtesy. Eighty was too noisy on my side of the line, because of being summer here, and QRN was up to S9 plus most of the time. — (CE6EZ). Quit calling 7P8AD on 75 after I found him peaking from the West! — (W9LT). That first weekend sure was bad! Hope we don't have the same conditions next year. — (W8VPW). This was my first experience in a DX contest where I was on the DX side of the fence, and I must admit it was a most enjoyable experience. — (W2JKN, opr. of FG0AYO). Low sunspots and lots of rain static equals low score. Wait until 1980! — (W6EJ).

**1975 ARRL DX COMPETITION**  
 Phone: Feb. 1-2, Mar. 1-2.  
 CW: Feb. 15-16, Mar. 15-16.

<b>LOW POWER CHAMPS</b>			
<i>(150 Watts or Less at All Times)</i>			
	<i>CW</i>		<i>Phone</i>
WA1SSH	376,461	WA1SSH	112,980
W3OV	319,056	K10ME	89,946
WB2RJJ	287,700	K5EWQ	59,280
K5ABV	281,799	K2MFY	39,114
K0DDA	268,224	W5LPO	35,802
W1FNW	208,728	W8HNI	31,284
W4WHK	207,600	WB5DDI	23,598
K2MFY	205,200	W5UCE	21,204
W3ARK	121,338	W3WM	20,196
WA3JYB	100,914	WA2GUR	19,965

**Fortieth ARRL  
 International DX Competition**

W/VE scores are listed by call area; DX scores are listed alphabetically by continent and prefix.

**Awards:** The operator of the first-listed single-operator station in each section or country is the winner for that area and receives a certificate award. The top-scoring multioperator station in each area also receives a certificate award. Awards are scheduled for an October 15 mailing. The top-scoring single-operator DX entrant for each continent each mode, receives an engraved plaque. Affiliated-Club awards are shown elsewhere in this article.

**Scores:** In the list to follow, read (from left to right): call of entrant, final score, multiplier (total countries per band for W/VE; total states and Canadian call areas per band for DX), contacts, approximate dc power input (A represents power up to and including 150 watts; B, over 150 and up to and including 500; C, over 500; D, combination of A+B; E, A+C; F, B+C; G, A+B+C), total time of operation to the nearest hour. Example: A2CCY 1,135,008-168-2252-A- indicates final score of 1,135,008, multiplier of 168, contacts 2252, power up to and including 150 watts, operating time not furnished.

An asterisk following a call denotes an ARRL Hq. staff member, ineligible for an award.

<b>DIVISION LEADERS</b>				
<i>CW</i>			<i>Phone</i>	
<i>Single Op.</i>	<i>Multip.</i>		<i>Single Op.</i>	<i>Multip.</i>
W3LPL	W3AU	Atlantic	W3WJD	W3AU
W9LT	.....	Central	WB9BPG	WB9HZD
W0HP	WA0ENP	Dakota	WB0ANT	W0AA
K5RFJ	W5DRW	Delta	W5UDK	W5QKR
K4GSU	K8IDE	Great Lakes	WA8ZDF	WA8TBQ
W2GXD	K2AHQ	Hudson	W2GXD	W2PV
K0DDA	K0SVW	Midwest	K0SGJ	W0HLU
W1BPW	K1VTM	New England	WA1PID	K1VTM
K7NHV	W7SFA	Northwestern	WA7PMI	W7SFA
K6AHV	K6EBB	Pacific	W6OAT	W6PAA
W4KFC	K4VX	Roanoke	K4VX	WB4BGY
W1FCC/5	K0KKU	Rocky Mt.	WA0EGZ	W0MYN
WB4YLG	K4CEF	Southeastern	W4QQN	WA4ECY
W6MAR	W6ISA	Southwestern	W6DGH	K6SEN
K5PFL	WB5DTX	West Gulf	W5SZ	WB5DTX
VO1KE	VE3HUM	Canadian	VE3GCO	VO2AS

<b>DX PHONE</b>		<i>Multi-Multi</i>		<i>Czechoslovakia</i>		<i>Multi-Multi</i>	
<b>AFRICA</b>		DL5AY (DA1s AY FE FP JR LE		OK1ATE 31,248-42-248-A		KP4AXM (K1OTI WB6OJC	
<i>Botswana</i>		TW WX DC22V DK5FJ DK8FZ		OK1ATE 7482-29-86-A		WB0JHW)	
A2CCY	1,135,008-168-2252-A	DL7AH DL8PC WN3TUU)		OK1MPP 5798-26-75-B		2,209,122-222-3317-F-48	
<i>Angola</i>		690,372-127-1812-C-66		OK1MGW 2592-18-48-B		<i>Virgin Islands</i>	
CR6NO	1,501,236-187-2776-B-50	<i>German Democratic Republic</i>		OK1IAVU 2499-17-49-B		KV4IC 3,215,332-132-1317-B-19	
<i>Mozambique</i>		DM2CUO 35,784-42-284-C		OK1AGN 480-10-16-B		<i>Canal Zone</i>	
CR7RM	146,685-77-635-B-12	DM2DUK 2352-14-56-B		OK1KZ 36-3-4-A		KZ5BC 1,324,440-195-2264-C-30	
<i>Rhodesia</i>		DM4YEL 540-12-15-B		OK1DVK 24-2-4-A		<i>Multi-Single</i>	
ZE1BL	119,616-64-623-A-19	<i>Spain</i>		<i>Belgium</i>		KZ5NG (WA1LWS WA4UAZ)	
<i>South Africa</i>		EA3SA 373,005-135-921-C-26		<i>Multi-Single</i>		3,122,550-257-4050-C-46	
ZS6DW	1,062,000-177-2000-B-36	EA2JD 9696-32-101-B-27		ONS5GQ (+ON4IF ONSTR)		<i>Saint Eustatius</i>	
ZS6FN	173,892-86-674-A-12	EA2IA 7440-31-80-B-2		161,046-69-778-A		PJ8SE (K6SE, opr.)	
<i>Senegal</i>		<i>Republic of Ireland</i>		<i>Denmark</i>		1,006,860-173-1940-A-32	
6W8DY	1,091,328-1203-1792-B-	<i>Multi-Multi</i>		OZ5KF 443,520-110-1344-B		<i>Costa Rica</i>	
<b>ASIA</b>		EI1AA (EI2s BB CA CL CN EI7CC		OZ7HM 5712-28-68-A		TI2AJF 1,230,084-188-2181-D	
<i>Korea</i>		EI8CC)		OZ9XM 660-11-20-B		TI2WX 814,800-200-1358-A	
HL9TL	9129-17-179-A-15	92,220-58-530-A-30		<i>Multi-Single</i>		<i>British Virgin Islands</i>	
<i>Thailand</i>		<i>France</i>		OZ6PI (+OZ8MG)		<i>Multi-Single</i>	
HS4AGN	6666-22-101-C-2	F3KW 291,873-97-1003-B		12,000-32-125-A		VP2VBW (+WB8LSD)	
<i>Japan</i>		F6BJA 13,140-30-146-A		<i>Netherlands</i>		373,527-121-1029-B-23	
JA1BRK	452,748-116-1301-E-45	F6BXE 8181-27-101-A		PA0LVK 1836-17-56-B		<i>Bahama Islands</i>	
JA2IYJ	249,795-91-915-B-	F2RO 24-2-4-A		PA0FIN 174-6-10-A		VP7DF 92,232-84-366-A-10	
JA1ELY	26,892-36-249-B-15	<i>England</i>		<i>Multi-Single</i>		<i>Bermuda Islands</i>	
JA2HGA	25,920-40-216-B-20	G3YBH 10,143-23-147-B-6		PA0GN (PA0s BRO GIN OOS PKD)		W4EV/VP9	
JA1RUJ	7290-18-135-B-10	<i>Multi-Single</i>		9450-30-105-A-8		1,628,709-211-2573-A-27	
JA8AP	6300-20-105-B-18	G3UBR (G3s UJE ZZI G4S BCH		<i>Sweden</i>		<i>Nicaragua</i>	
JA8FBM	4182-17-82-B-	BTY CQO CVN CWE)		SM6CKU 256,734-102-839-B-40		3,307,128-264-4176-B	
JA9HNC	2886-13-74-A-19	G3RCV (G3XMD G4BAL G8s GGP		SM5CAK 5694-26-73-B-		4B1YK 448,350-122-1225-B-	
JA8GO	2304-12-64-A-21	H Y H)		<i>Multi-Single</i>		<i>Cayman Islands</i>	
JR3RPD	2244-11-68-B-25	177,970-74-804-B-72		SK6AW (SM6s CJK CKS CMU CVE		YN1FWN 853,776-196-1452-D-22	
JA7GAX	2016-12-56-A-12	G4ALE (G3s SJX UFY WRR XJO		E T R)		132,930-70-633-B-40	
JH1GTQ	1908-12-53-B-	G4CZB)		79,242-47-562-B-		SP9ZAS (SP9ADU SP9-7234)	
JA3VOV	1584-11-48-A-	130,050-75-578-B-96		<i>Poland</i>		312-8-13-B-	
JA1CFJ	1452-11-44-B-	<i>Wales</i>		SP5BT 3003-21-48-B-		1,247,841-203-2049-D-36	
JA3CMD	1323-7-63-A-6	GW3UCB (G4BRK, opr.)		SP5DZI 1215-15-27-A-		126,540-114-370-C-15	
JA1AAT	1155-11-35-A-	936-12-26-B-3		SP6AEG 200-5-14-A-2		<i>Jamaica</i>	
JH3FYW	1104-8-46-A-5	<i>Multi-Single</i>		<i>Multi-Single</i>		K9KDI/6Y5 45,933-61-251-B-2	
JH2TYH	1008-8-42-A-10	GW3VKL (GW3s SLA VBP WBU		SP5PWK (SP5s BSV DJZ H. Kotow-		<i>OCEANIA</i>	
JH2RVP	738-6-41-A-4	GW4s AMV BCB GW8GJW)		ski)		<i>Guam</i>	
JA3BUB	702-6-39-A-2	110,397-49-751-C-26		132,930-70-633-B-40		2,176-33-224-C-	
JA7HLO	693-7-33-A-	<i>Hungary</i>		SP9ZAS (SP9ADU SP9-7234)		KG6JAR 2,176-33-224-C-	
JA7KM	432-6-24-B-6	HA2KRL 4004-22-61-B-19		312-8-13-B-		<i>Hawaiian Islands</i>	
JH2LUF/9	414-6-23-A-	<i>Multi-Single</i>		<i>Greece</i>		KH6IJ 2,768,424-244-3782-C-70	
JA7ARW	405-5-27-A-	HA0KLE (HA0 LM LO LZ R.		SV0WGG 37,788-47-268-B-21		KH6IGJ 2,148,027-233-3073-C-78	
JA0AIE	375-5-25-A-	Miklos)		<i>European Russian S.F.S.R.</i>		KH6BZF 2,106,106-227-3094-A-58	
JA7HYS	270-5-18-B-	143,220-77-620-B-96		UA1MU 1248-13-32-B-		KH6RS (K2SJL, opr.)	
JA9GXU	225-5-15-A-4	HA5KFU (B. Berki I. Lazanyi J.		<i>Ukraine</i>		121,176-108-374-C-	
JA7KXD	192-4-16-B-3	Szabo G. Valoczi)		<i>Multi-Single</i>		KH6HNT 7743-29-89-B-7	
JA2AIR	153-3-17-C-	11,682-33-118-B-27		UK5FAD (UT5RT D. Sergej)		2058-14-49-A-3	
JA3YJQ	153-3-17-A-2	HA5KKP/2 (M. Marozsan Z. Zoltan		648-12-18-B-		<i>Multi-Single</i>	
JA4RFP	45-3-5-A-	P. Zudor)		<i>Latvia</i>		KH6GKD (+KH6s BVS GMP GQW	
JH3BJN	3-1-1-A-1	1734-17-34-A-		<i>Multi-Single</i>		H D A)	
<i>Multi-Single</i>		1140-12-32-B-28		UK2GKW (UQ2ON N. Birilo V.		3,069,180-255-4012-C-96	
JA3ZBI (JA3s FGJ GFO HBF KGF		<i>Switzerland</i>		Koryakin)		<i>Johnston Island</i>	
KIE MTJ OLO)	20,295-33-205-B-	HB9T 86,520-70-412-B-17		107,814-51-705-B-		24,600-41-200-A-	
JA9YAA (JA9s ERA GSA)	14,916-22-226-A-20	HB9KC 6972-28-83-B-4		<i>Romania</i>		<i>Marshall Islands</i>	
JA2ZHX (JA2s AO DHL EKO EMP	4539-17-89-A-14	HB9APW 3186-18-59-A-		YO2AFB 924-11-28-A-		KX6GS 450,021-143-1049-E-26	
EOJ JEM JH2HUQ)		<i>Italy</i>		<i>Yugoslavia</i>		KX6DB (WA6HRS, opr.)	
JA4YDO (+JA4s NOL OFF QDW		I3MAU 756,600-150-1683-B-		<i>Multi-Single</i>		147,840-80-616-C-9	
RWB)	3420-15-76-A-	I1CYC 365,655-95-1283-B-41		YU2CDS (YU2s RNC RNE)		<i>Australia</i>	
<i>Asiatic R.S.F.S.R.</i>		I8KBT 209,208-92-758-B-38		470,871-113-1389-B-80		119,313-81-491-B-	
UA0FGM (UV3GM, opr.)	376,584-104-1207-B-54	I3GRX 13,770-34-135-B-23		YU1BCD (YU1s ODO ODS PCF		37,014-62-300-B-10	
<i>Kazakh</i>		I3BCB 720-9-27-A-		Q B C)		12,705-35-121-B-40	
UL7LEZ	3021-19-53-B-	<i>Multi-Single</i>		362,595-115-1051-B-60		588-7-28-A-	
<i>West Malaysia</i>		ISDFB (W1EII WBSFHE K7LSU)		<b>NORTH AMERICA</b>		<i>New Zealand</i>	
9M2CJ	198-3-22-B-	64,185-55-389-C-31		FG0AYO 301,710-113-890-B-15		80,400-80-335-A-17	
<b>EUROPE</b>		<i>Norway</i>		<i>Saint Martin</i>		<b>SOUTH AMERICA</b>	
<i>Azores</i>		LA6HL 50,031-51-327-B-7		Dominican Republic		<i>Chile</i>	
CT2BG 1,201,212-183-2188-B-64		LA3JQ 27,219-43-211-A-		HI8XAW 1,170,159-193-2021-B-40		3,147,844-244-4301-C-80	
CT2BM 95,580-54-590-B-		LA5QK 1536-16-32-B-7		HI8LC 22,800-38-200-B-5-		<i>Bolivia</i>	
<i>Federal Republic of Germany</i>		<i>Austria</i>		<i>Honduras</i>		CP1EU 412,296-164-838-C-	
DJ0BA 159,750-71-750-B-36		OE3EVA 36,750-49-250-B-19		HR1RF 4,758,340-268-5920-C-72		CP3BY/1 135,360-80-564-D-18	
DJ9MT 55,692-52-357-C-		OE2EGL 27,000-36-250-A-		<i>Alaska</i>		<i>Ecuador</i>	
DJ2YE 945-15-21-B-		<i>Finland</i>		KL7FAF (K3ZMI, opr.)		846,132-196-1439-C-16	
<i>Multi-Single</i>		OH1AD 6885-27-85-B-		199,800-100-666-C-27		<i>Colombia</i>	
DK0SD (DJ9MH DK3GI DK6NJ		OH75C 120-5-8-B-		KL7HSA 75,600-50-504-B-10		HK5BWX 120,000-100-400-C-	
DK8s NH NI)	308,085-95-1081-A-	<i>Multi-Single</i>		KL7HRP 69,438-71-326-C-25		HK1CMX 45,012-44-341-C-6	
DA1RY (+DA1JG DA2BT)	192,570-70-917-B-	OH8AA (OH8s OS SM TP)		<i>Puerto Rico</i>		HK6BRK 18,603-39-159-B-	
		16,320-34-160-B-		KP4BDL 145,770-86-565-B-9		<i>Argentina</i>	
		<i>Market Reef</i>		W3EZT/KP4 28,320-40-236-C-2		46,632-58-268-B-	
		OJ0AM 1080-12-30-A-					
		OJ0MA 3-1-1-A-					



Top to bottom: Alan, ZF1AK, utilized this setup to the tune of 1.2 phone megapoints. That's music to anyone's ears. Alan is ex-VP7ND. Eighteen year-old OE3EVA talked his way through 250 two-ways to grab the Austria certificate. Outside, Ernest has a TH3jr at 60 feet. Even though he is shown with a mike, DK3GI made his mark on cw this year. Ron took the certificate for West Germany with a fine 975K effort. Contrary to appearances, there was no pussyfooting around at the PY7VNY shack on cw. Luk had over 1400 two-ways during the contest. Nice job, one and all.



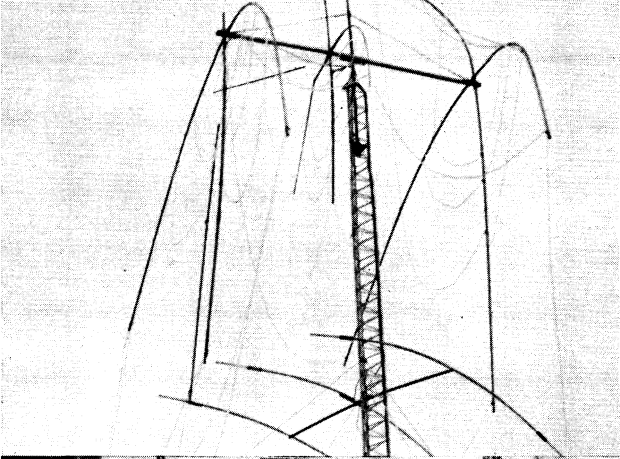
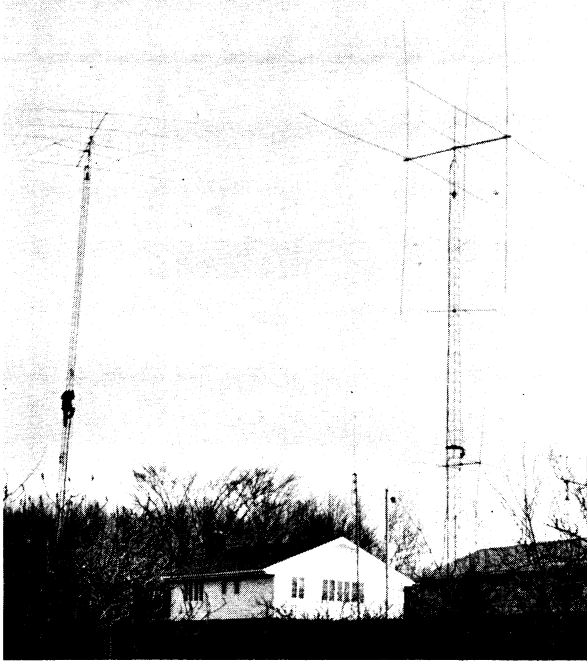
<i>Multi-Single</i>	<i>Multi-Single</i>
LU5HF1 (+LU8AJG) 2,689,104-242-3704-C-60	WA1STN (+WA8OBG) 191,580-155- 412-C-35
<i>Peru</i>	WA1RDN (WA1JZC WA2CNE) 133,452-132- 337-C-30
OA4AKQ 12,690- 45- 94-B-	K1UAT (K1MAR WA1s MNL MNM NUK ROB WN1s SUE SUF TBZ TDQ K2OEF) 129,988-132- 328-C-75
<i>Netherland Antilles</i>	<i>Multi-Multi</i>
PJ9JT 1,654,326-219-2518-B-24	K1VTM (+K1s RLU THQ W1s FBY FLM GNC RML WA1s ABV N NC) 2,062,590-349-1970-G-96
<i>Brazil</i>	W1ZM (+W1G00 WA1s COW HNR LNQ MAO NES WA2s CLQ C NE) 2,031,750-350-1935-C-96
PY8ZAC (PY8ZAM, opr.) 1,449,525-175-2761-D-46	<i>Eastern Massachusetts</i>
PY1CHP 232,254-102- 759-B-17	W1CWM 446,958-186- 801-C-49
PY4KL 193,257-109- 591-B-	K1OME 89,946-114- 263-A-17
PY2ELV 101,898- 51- 666-A-6	W1FJF 82,125-125- 219-C-
PY2BGO 51,597- 63- 273-B- 7	W1DAL 50,076- 78- 214-C-11
PY7BXC 22,155- 35- 211-B-	WA1ION 13,725- 61- 75-F-10
PT2JB 20,498- 37- 185-B-	W1AX 7500- 50- 50-C- 2
PY3BNJ 7020- 30- 78-B-	W1CRL 3078- 27- 38-A-13
PY7BX 594- 11- 18-B-	W1PLJ 1944- 18- 36-B-20
<i>Venezuela</i>	<i>Multi-Single</i>
YV3WB 425,796-137-1036-A-	W1AINRV (+WA1KZE WA8WNU) 1,311,822-306-1429-C-90
YV3CL 422,625-125-1127-A-	W1AJUY (WA1JYV WA2LQZ) 868,824-266-1097-C-90
LU6ACU/YV4 12,369- 31- 133-B- 3	<i>Maine</i>
<i>Multi-Single</i>	K1GAX 14,418- 54- 89-C-
YV4AGP (+YV4s CVE TI YC) 5,035,419-283-5931-C-	W1VVF 14,220- 60- 79-D-15
<i>Paraguay</i>	W1OTQ 10,764- 46- 78-B-15
ZP5HZ 438,900-133-1100-B-24	<i>Multi-Single</i>
<b>W1VE PHONE</b>	K1RQE (+K1MTJ) 717,801-257- 931-C-80
<b>CANADIAN</b>	<i>New Hampshire</i>
<i>Maritime</i>	W1EHT 60,885- 99- 205-B-21
VO1AW 27,720- 60- 154-C-13	W1CHA 19,872- 48- 138-C-14
VE1AI 19,404- 49- 132-A-10	W1LQO 14,418- 54- 89-A-22
VE1EK 969- 17- 19-A- 3	W1BWP 8418- 46- 61-C- 4
<i>Multi-Single</i>	<i>Rhode Island</i>
VO2AS (+VO2AB WA3UCF) 152,934- 71- 718-C-35	K1CSJ (+K1CPF WN1RDA) 892,980-242-1230-C-76
<i>Quebec</i>	<i>Vermont</i>
VE2AYU 134,016-128- 349-C-68	W2AX/1 (WB2CKS, opr.) 230,346-191- 402-C-56
VE2WA 70,914-106- 223-C-23	<i>Western Massachusetts</i>
VE2JR 19,647- 59- 111-F-40	WA1FBX 84,240-120- 234-C-40
<i>Ontario</i>	2
VE3GCO 172,692-156- 369-D-42	<i>Eastern New York</i>
VE2ZT 84,132-114- 246-C-40	W2AZO 116,508-133- 292-C-29
VE3FLE 29,520- 60- 164-C-18	K2DW 67,725-105- 215-C-43
VE3SLC (VE3DXY, opr.) 20,832- 62- 112-B-32	K2BK 64,512-112- 192-C-21
VE3BBH 15,087- 47- 107-C-	WA2RQH 32,232- 68- 158-C-28
VE3FDP 6966- 43- 54-A-18	W2FCU 21,390- 62- 115-B-
<i>Multi-Single</i>	WA2EAH 16,926- 62- 91-B- 7
VE3EDC (+VE3s EDG KZ) 30,186- 86- 117-C-	<i>Multi-Single</i>
<i>Manitoba</i>	W2NVB (WA2s BWF COS KJT WB2EOO) 257,424-173- 496-C-75
VE4KE 55,803- 89- 209-C-38	K2MME (+WB2CST) 53,289- 93- 191-C-12
VE4RP 35,964- 74- 162-B-47	<i>Multi-Multi</i>
VE4ZP 31,752- 63- 168-E-12	W2PV (+K1DQV W1EBC WA1s KJK KID W2GUH WA2s EAH RAL SPL WB2s OEU SQN) 3,683,142-438-2803-C-96
<i>Saskatchewan</i>	<i>N.Y.C.-L.I.</i>
VE5RA 41,334- 83- 166-F-	W2GKZ 120,690-135- 298-C-20
VE5CX 3096- 24- 43-B-19	W2LEJ 66,126-103- 214-C-31
<i>U.S.A.</i>	K2MFY 39,114- 82- 19-A-22
1	WA2GUR 19,965- 55- 121-A-28
<i>Connecticut</i>	WA2DLLV 19,392- 64- 101-A- 9
WA1PID* 926,886-241-1282-C-66	WB2TSB 9918- 38- 87-C-12
K1JHX 854,784-256-1113-C-40	WB2GXW 5508- 34- 54-A- 8
WA1IQJ/1 454,716-204- 743-C-30	WB2FKF 4536- 36- 42-A-
K1ZND* 291,591-181- 537-F-26	W2YKQ (W2OTS, opr.) 3888- 24- 54-C- 6
WA1ABV* 159,180-140- 379-C-15	W2CKR 3255- 31- 35-A- 9
WA1SSH 112,980-140- 269-A-53	
K1DPB 102,336-104- 328-C-24	
WA1KOC 75,816-117- 216-C-22	
W1VV 61,236- 81- 252-C-19	
WA1JBN 27,450- 61- 150-C-15	
W1AB 25,296- 68- 124-C-14	
WA1NLD 15,840- 55- 96-B- 2	
WA1NRG 12,282- 46- 89-C-11	
WA1KOJ 10,878- 49- 74-C-32	
K1YXG 9306- 47- 66-D-30	
K1GUD 3906- 21- 62-C- 7	
WA1QNF 663- 13- 17-A- 2	
W1SK 507- 13- 13-B-18	
W1BIH 468- 12- 13-B- 1	
WA1PHF (WA1SQB, opr.) 429- 11- 13-A- 2	
K1THQ 192- 8- 8-B- 1	
K1RLU 144- 4- 12-A- 1	

QST for

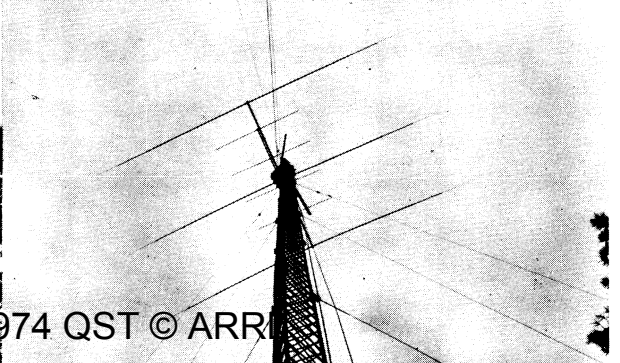
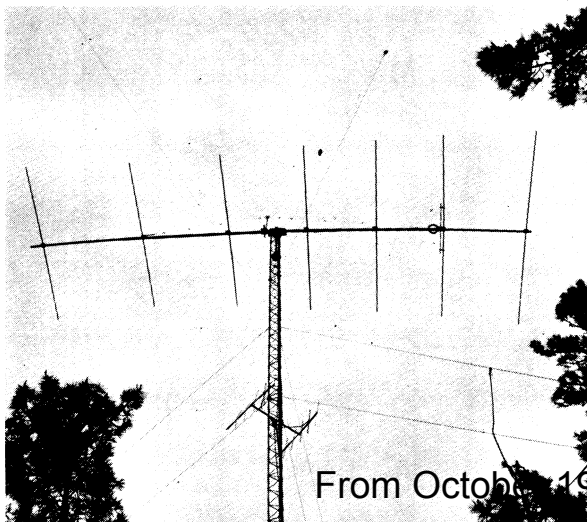
QST © ARRL

WB2UHY 1989-17-39-A-23	W3EQA 12,792-52-82-C-9	WB4RUA 31,506-89-118-F-5	<i>Multi-Single</i>
WB2NXXF 1080-15-24-C-8	W3QLW 12,654-57-74-C-12	W4UYC 28,560-70-136-B-40	W5QKR (+W5MYM WBSKMY)
W2AYJ 396-11-12-C-1	W3BB 9102-41-74-C-30		220,365-177-415-C-59
W2TUK 216-8-9-C-	W3OV 2016-21-32-A-3		W5PZB (+W5AVHW)
W2CZZ 3-1-1-A-1			56,070-105-178-C-32
<i>Northern New Jersey</i>			
W2GXD 717,552-264-906-C-85	W3KT (multiop) 239,355-197-405-C-		<i>Louisiana</i>
W2MB 635,760-240-883-C-79	W3EVW (+2 meter net) 38,250-85-150-C-20		W5UDK 334,170-235-474-C-61
W2BSHH 322,608-176-611-C-			KSFVA 150,720-157-320-C-31
W2RAD 283,605-185-511-C-67	<i>Multi-Multi</i>		KSKLA 88,146-118-249-C-33
W2BOYT 211,200-174-400-C-56	W3DHM (+WA3s FFR LRO) 2,291,460-362-2110-C-90		W5SWG 62,100-100-207-G-38
W2BRKK 50,112-96-174-C-13	W3GM (+K3s OIO ZOL W3s GPE 1,922,085-353-1815-C-96		W5HJC 33,930-78-145-C-26
W2KXD 44,055-89-165-C-23	JSX WA 3G ZUL 1,726,920-351-1640-E-96		W5KKZ 27,552-82-112-C-12
W2AWBE 10,575-47-75-B-23	W3FRY (K3s DZB HTZ WJY WA3s LNM NOX) 670,650-263-850-C-86		W5UO 22,776-73-104-C-25
W2ZVHW 10,206-42-81-A-23			W5HGT (W5B5GVE, opr.) 18,240-64-95-C-15
F3NHW 4725-35-45-B-10			W5LDH 18,048-64-94-C-11
K2GI 4320-24-60-C-22			W5AYFO 16,356-58-94-A-20
W2UL 36-3-4-A-2			W5SAWF 9855-45-73-C-11
			W5NOP 9447-47-67-C-8
			W5HIC 8820-49-60-B-17
			W5ASWEY 2016-24-28-C-5
			K5LVB 1764-21-28-A-4
<i>Multi-Single</i>			
WB2VFT (+WB2RJ) 198,018-171-386-D-30	W3ATX (+WA3s GJZ K3C R50) 670,650-263-850-C-86		<i>Mississippi</i>
WA2DNY (+WB2s XY CST HIW) 108,003-139-259-C-48	K3MBF (+K3LJZ) 454,650-175-866-F-55		W5PWW 90,390-131-230-B-55
	W3BYX (+WA3KRD) 325,503-177-613-C-		W5AO 62,868-124-169-B-46
			W5MW 49,692-101-164-C-35
			<i>New Mexico</i>
			K5EVK 89,916-118-254-C-44
			W1FCC/5 56,160-104-180-G-22
			K5AM 29,490-91-180-C-
			W5B5HAE 43,515-55-143-B-28
			K5MAT 10,555-51-69-C-7
			W5B6IPR/5 192-8-8-B-2
			<i>Northern Texas</i>
			W5SSZ (WASRKT, opr.) 954,324-294-1082-E-81
			W5ASSTI 176,352-167-352-C-40
			W5ARXT (W5S1JE, opr.) 80,028-108-247-C-36
			K5FKD 51,311-89-193-C-20
			W5ASLUM 36,993-59-209-C-28
			W5HKP 35,760-80-149-F-20
			W5UCE 21,204-62-114-A-11
			W5SPAQ 20,196-68-99-C-9
			W5AE 17,820-54-110-C-30
			W5KYD 6732-44-51-E-4
			W5SSD 3306-29-38-A-18
			W5QHF 1173-17-23-C-3
			<i>Multi-Single</i>
			W5QB5M (+W5MYA) 741,888-276-896-C-90
			W5QWF (+W5s BJA KTR WASFTP) 200,640-160-418-C-48
			W5A5FC (+W5B5GDS) 175,770-155-378-C-
			<i>Multi-Multi</i>
			W5B5DTX (+WA3GUB WB4JZE K5ZJP W5s BJA TBN WA5s JMK QXD UCT W5s AAR AOF EEE) 1,792,896-368-1624-E-96
			<i>Oklahoma</i>
			WA7LKI/5 22,848-68-112-B-51
			W5ASVP 5400-36-50-B-30
			K5DCE 1953-21-31-B-25
			<i>Southern Texas</i>
			K5PFL 758,862-282-897-E-76
			K5JZY 340,095-205-553-F-76
			W5BGE 99,414-126-263-C-50
			K5TSR 66,363-101-221-C-26
			W5RTRQ 60,237-97-207-E-16
			K5EWF 59,280-104-190-A-42
			YV5AMH/W5 54,945-99-185-E-
			W5LPO 35,802-78-153-A-
			W5B5FM 30,096-76-132-B-29
			W5B5DDI 23,598-69-114-A-28
			W5ELN 11,280-47-80-A-26
			W5AZNY 9936-48-69-G-13
			W5EDX 8580-52-55-A-28
			W5YG (W5S1JE, opr.) 7638-38-67-C-14
			W5B5KCM 2484-23-36-A-24
			6
			<i>East Bay</i>
			K6AHV 1,564,873-277-1883-C-80
			K6BDYQ 344,400-175-656-C-96
			K6JUS 297,621-151-657-E-42
			K6ZM 279,984-152-614-C-64
			K6QW 175,824-132-444-C-
			W6PM 71,262-107-222-C-20
			W6RQZ 1116-12-31-C-

<i>Multi-Single</i>		W6YKS 25,704- 63- 136-C-15	<i>Multi-Multi</i>		W9RQM 9072- 48- 63-C- 5
WA61QM (+K6s AUC HIH WB6CQY)	815,490-221-1230-C-93	WB6JAX 23,580- 60- 130-B-17	W8NGO (+W8s CLR ONA SRK) 325,362-211- 514-C-64	W9BG 4158- 33- 42-F-11	W9NDS 243- 9- 9-A- 1
<i>Sacramento Valley</i>				0	
W6DOD (+W6KG)	502,494-178- 941-C-88	W6KYA 48,870- 90- 181-B-19	WA8ZDF 772,920-285- 904-G-72	<i>Colorado</i>	
WA6AHF (+W6RGG)	256,500-150- 570-C-35	K6DR 18,576- 48- 129-C-30	WA8YWX 495,504-223- 744-C-73	WA0EGZ 137,856-128- 359-C-40	W0BWF 33,210- 82- 135-F-20
<i>Los Angeles</i>		<i>Multi-Single</i>		K0VFN 28,413- 77- 123-D-15	W0PCM 16,254- 63- 86-D-34
W6DGH 1,312,242-257-1702-E-89	891,072-221-1344-C-71	WB6SRA/6 (+VE7ZZ WA6GMR WA7EQW)	7	<i>Multi-Single</i>	
W6RTR 923,994-213-1446-C-84				K0PVI (+W0Bs HAD HWP IWL L E X)	30,870- 70- 147-A-29
WA6EPQ 493,800-823- 200-C				<i>W0MYS WB0s CMM CQJ DLE</i>	
W6BWN 239,463-147- 543-C-32				522,738-226- 771-C-80	
W6TJP 57,285- 95- 201-C-45				<i>Iowa</i>	
W6OK 54,945- 55- 333-C-45				WA0NAA 31,122- 78- 133-C-39	WA0TAA 10,212- 46- 74-C- 2
K6OC 50,112- 87- 192-C				W0EGI 2706- 22- 41-B- 7	
W6EHA 18,984- 56- 113-E-44				<i>Multi-Single</i>	
K6MP 16,500- 55- 100-C-11				W0PCO (+W0LBS)	
W6APW 1482- 19- 26-B- 3				208,104-184- 377-C-72	
<i>Multi-Single</i>				<i>Kansas</i>	
W6YRA (K3LA WA6s DPO MSP NQK WB6s RRV ZSU WA7DAC)	894,216-212-1406-C-65	K7NHV 100,368-123- 272-E-30	W8BIAY (+WA8LXW) 211,650-166- 425-C-62	W0IUB 93,726-123- 254-C-28	W0QQQ (WA0TAS, opr.) 80,724-124- 217-C-25
W6KNC (+K6s SVL ZXE WA6GDQ)	323,310-130- 829-C-51	W7GKF 71,442- 81- 294-C-22	W8BJBM/8 (WB8s DQP JUI) 100,548-133- 252-G-34	W0JYE 24,219- 69- 117-C-14	W0LNS 6765- 41- 55-C-19
W6VPZ (K6HRT W6s CFM NYB WA6LCV WB6s JCD WVVU)	53,550- 75- 238-C-54	W7FIN 6510- 35- 62-B-25	<i>West Virginia</i>		W0RCS 3483- 27- 43-C-17
WA6NBY (+W3QVV)	38,850- 74- 175-C-30			<i>Multi-Single</i>	
<i>Orange</i>				W0HLU (+W0YUW WB0JDK) 293,058-201- 486-C-88	
K6TXA 75,582-102- 247-C-22				<i>Minnesota</i>	
WA6FIT 13,770- 45- 102-C-11				WB0ANT 136,290-154- 295-C-50	W0NAR 133,848-143- 312-C-
WA6QVA 6612- 38- 58-B-15				WA0ENP 72,912-112- 217-G-20	W0GYH 58,194-106- 183-C-50
WA6TTY 5580- 30- 62-B-21				W0BQG (W0BJE, opr.) 38,151- 81- 157-C-25	WA0KQU 30,600- 75- 136-C-18
<i>Multi-Multi</i>				W0NG 25,086- 74- 113-C-27	WB0HAI 18,048- 64- 94-C-23
K6SEN (+K6s BCE EVR MQG SSN SVL W6PVB)	2,798,793-317-2943-C-	W7HWS 88,500-118- 250-C-57	W8GIO (+WA3KCY) 378,240-197- 640-C-70	W0PFR 13,608- 56- 81-C-	W0PLP 2730- 26- 35-C- 9
<i>Santa Barbara</i>		WA7GWU 72,732-116- 209-G-27	9	W0PAN 2604- 28- 31-B- 8	
WA6VYK 108,927- 91- 399-B-60		W7YBX 172,368-126- 456-C-35	<i>Illinois</i>	<i>Multi-Single</i>	
W6PRP 97,920-136- 240-B-25		K7IRO 157,680-120- 438-F-14	W9LF 296,640-206- 400-C-56	W0AAA (W0s BE IYP WA0s RBW RLD VPN)	111,792-136- 274-C-
K6OW 33,228- 71- 156-E-22		W7DA (K7EX, opr.) 86,691- 71- 407-C-40	W9OH 225,522-187- 482-D-2	<i>Missouri</i>	
<i>Santa Clara Valley</i>		W7JCB 82,410- 82- 335-C-21	W9ML 169,275-185- 305-C-	K0SGJ 232,815-187- 415-C-60	W0BTLT 149,307-157- 317-C-60
W6OAT 1,584,387-249-2121-C-84		W7LAW 79,002- 99- 266-F-34	W9DQW 158,184-169- 312-C-	W0UCK 34,848- 88- 132-C-39	W0TDR 29,928- 86- 116-C-16
W6BJB 152,460-105- 484-C-35		W7EKM 75,750-101- 250-C-43	W9YLU 120,495-145- 279-C-36	W0HBH 23,871- 73- 109-C-	W0CDC 21,384- 66- 108-C-21
W6YVK 47,061- 83- 189-B-28		W7BRU 45,816- 83- 184-C-25	W9YRA 94,122-126- 249-B-35	<i>Multi-Single</i>	
WA6WEI 16,023- 49- 109-D-40		W7APN 22,509- 61- 123-C- 8	W9BEO 83,433-137- 203-C-40	W0EEE (WB4OEM WB9FSL WA0RAD WB0GQP R. Mac Donald)	171,948-161- 356-C-48
K6CN 13,992- 53- 88-G-10		W7LZF 11,808- 48- 82-C- 7	W9YRD 46,315-105- 201-C-18	<i>Nebraska</i>	
W6OKK 12,900- 50- 86-F- 8		W7DNN 10,080- 40- 84-C- 8	W9YRW 48,618- 74- 219-C-20	WA0ZPM 13,617- 51- 89-C-30	W0MTC 4524- 26- 58-B-20
K6QZ 11,322- 51- 74-C- 7		W7YTN 10,584- 49- 72-C-40	W9BEP 32,760- 84- 130-C-35	<i>North Dakota</i>	
K6UXV 6882- 37- 62-C-18		W7LFA 10,080- 40- 84-C- 8	K9UUN 24,708- 58- 142-C-12	K0ALL 21,708- 67- 108-B-11	
W6CLM 5760- 32- 60-B-17		W7VRO 9594- 26- 123-C- 7	K9JDD 9045- 45- 67-C- 5	<i>DX CW</i>	
W6SC 4650- 31- 50-A- 9		W7VHZ 9006- 38- 79-F-15	W9BDD 4158- 33- 42-C-12	<i>AFRICA</i>	
W6EJ 3888- 36- 36-C- 6		W7SHN 7770- 35- 74-B-32	W9MVL 2940- 28- 35-F-16	<i>Sao Thome</i>	
W6GVB 663- 13- 17-B-10		W7TGM 7560- 36- 70-C- 6	W9LVH 1368- 19- 24-C- 4	CR5AJ 197,977- 97- 682-D-	
<i>Multi-Multi</i>		W7WNU 6528- 32- 68-B-30	W9RCE 192- 8- 8-B- 3	<i>Angola</i>	
W6PAA (+WASLES K6s ITL OSO W6s HQN OWO WA6NDO WB6AIN VE7AUA)	1,550,247-269-1921-F-94	W7TNY 741- 13- 19-B- 9	W9UDK 3- 1- 1-B-	CR6AI 1,409,847-213-2207-B-68	
<i>San Diego</i>		W7TOMX 570- 10- 19-C- 4	<i>Multi-Single</i>		<i>Rhodesia</i>
W6PLH 661,374-203-1086-F-80		W7SEH 234- 6- 13-B- 6	WA9VPR (+WA9SVZ) 142,146-149- 318-C-44	ZE1BL 501,831-137-1221-A-36	<i>South Africa</i>
VE2AQS/W6	94,932-108- 293-C-62	<i>Multi-Single</i>		ZS6FN 337,392-144- 781-A-13	<i>Mauritania</i>
W6RCD 71,400-136- 175-C-31		W7FR (W7PHO WA7UQG) 484,920-180- 898-C-68	<i>Indiana</i>	5T5CJ 1,060,596-204-1733-A-57	<i>ASIA</i>
W6CHV 43,569-103- 141-C-35		K7RSC (+W7YTN WA7s LAG TLK) 434,214-153- 946-C-65	W9BPG 516,879-253- 681-F-56	<i>Thailand</i>	
W6ID 19,200- 64- 100-C-15		<i>Multi-Multi</i>		HS4AGN 127,062- 78- 543-C-26	
WB6DPV 8316- 44- 63-A-20		W7SFA (+K7s HTZ JCA VPF W7EXM WA7s MEO OTT VE7ZZ)	W9LT 471,870-245- 642-E-82		
W6ZMX 5115- 31- 55-A-13		1,980,900-300-2201-C-96	WA9NPM 258,570-195- 442-C-81		
WA6UFY/6 264- 8- 11-A-43		<i>Wyoming</i>			
<i>Multi-Single</i>		W7INH 73,593-111- 221-C-31	W9STZ 161,568-144- 374-C-35		
W6BZE (+W6AXX) 163,800-120- 455-F-		<i>Michigan</i>			
<i>Multi-Multi</i>		K8IDE 376,956-222- 566-C-70	W9SFR 119,706-142- 281-C-25		
W6MAR (+K6SDR) 2,016,006-277-2426-F-96		W8TWA 262,248-196- 446-C-85	W9BWF 89,310-130- 229-E-16		
W6ONV (+WA9UCE) 1,526,001-271-1877-C-96		W8HNI 31,284- 79- 132-A-36	K9CLO 49,068- 87- 188-C-49		
<i>San Francisco</i>		W8FRF 25,125- 67- 125-C-19	W9KQD 46,512-102- 152-C-21		
W6WXO 6048- 24- 84-C-21		W8VPV 23,940- 76- 105-C-45	K9ODF 40,194- 87- 154-C-30		
K6TU 2583- 21- 41-B- 9		WB8AAX 19,800- 60- 100-C-16	W9CL 33,615- 83- 135-C-20		
<i>Multi-Single</i>		W88XV 6321- 43- 49-D-23	K9VQK 27,903- 71- 131-C-18		
W6BIP (+WA6DJI) 28,161- 63- 149-C-12		W88ND 867- 17- 17-D- 6	W9LQ 26,505- 93- 95-C-30		
<i>San Joaquin Valley</i>		W88DSG 468- 12- 13-B- 4	W9HZ 24,846- 82- 101-F-18		
WA6CPP 67,725- 75- 301-E-18		<i>Multi-Single</i>			
WB6PZW 49,203- 71- 231-C-26		WA8TBQ (+WA8YVR) 530,292-236- 749-C-90	W9MDB 14,784- 56- 88-A-		
			W9IVC 12,960- 60- 72-A-25		
			W9KL 108- 6- 6-A- 1		
			KSLZT/9 3- 1- 1-A- 2		
			<i>Multi-Single</i>		
			W9BHZD (+WB9s CEP ERE) 176,040-163- 360-C-96		
			W9ZTD (+W9VNE WB9BUV) 23,310- 70- 111-C-53		
			WA9NJU (W9JOE WA9ZSK WB9KVO R. Ulrich) 17,472- 64- 91-F-28		
			<i>Wisconsin</i>		
			W9DUB 259,578-198- 437-C-		
			W9GIL 120,834-137- 294-C-		
			W9PJT 82,998-106- 261-C-30		
			W9MGO 34,452- 87- 132-C-24		



Below, proceeding counterclockwise: This multi-page begins with this 56 foot boom monstrosity. It's a 7-element 15-meter beam at 100 feet at K6EBB. You are now looking straight up 170 feet at a 3-element 40-meter beam at K6EBB. The little thing above it is a 4-element 10 at 175 feet. W1ARR (left) and W6RGG searching for something to work on 20 cw. The gang at 'EBB came up with a very respectable 2.4 million cw points for the top West Coast score. K1VTM at the controls of the 40 meter cw operating position. This group had fine fifth place phone and third place cw finishes nationwide. This sorry sight is the result of a terrific ice storm which hit the Connecticut area in late December. Believe it or not, that is a 40-meter quad with only one broken 40-meter spreader. The reason the quad wires stand out so clearly is that they are coated with about one radial inch of ice. The K1VTM site just before contest time. From the left, a 4-element 20 at 90 feet with 3 on 15 just below, a Hy-Tower in the middle and, at right, the repaired 40-10 meter quad at 85 feet.

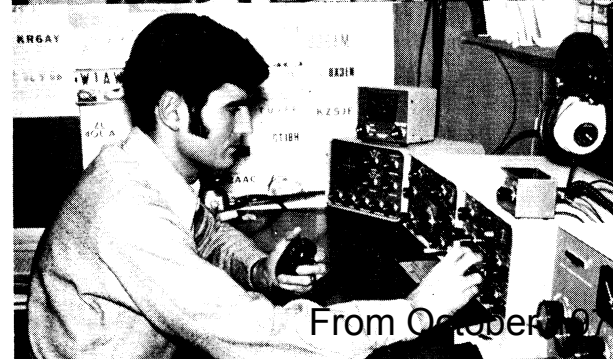
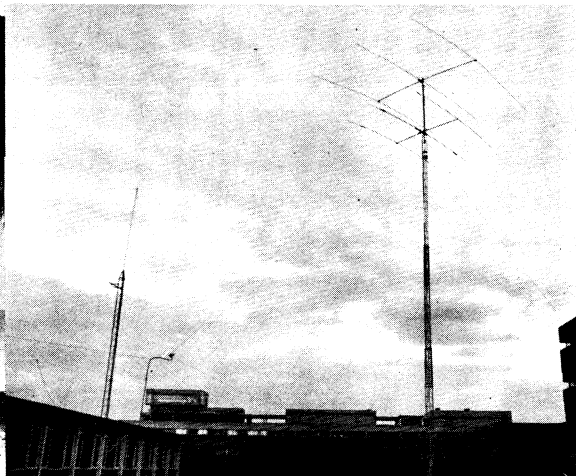


CONTINENTAL LEADERS, QSO/BAND

CW						PHONE					
<b>AFRICA</b>						<b>AFRICA</b>					
	80	40	20	15	10		80	40	20	15	10
CR6AI	179	547	690	570	221	CR6NO	30	269	1186	936	255
5T5CJ	218	283	354	607	271	A2CCY	68	205	895	1065	19
ZE1BL		100	423	661	37	6W8DY	243	342	598	528	81
ZS6FN	41	92	131	331	186	ZS6DW	176	232	581	992	19
CR5AJ		204	268	210		ZS6FN			500	160	14
						CR7RM			294	339	2
						ZE1BL			165	453	5
<b>ASIA</b>						<b>ASIA</b>					
JA1BRK	123	431	701	197	1	JA1BRK	87	290	774	149	1
UAØFGM	173	340	620	135		UAØFGM	147	290	622	148	
JA2AAQ	151	258	656	91		JA2IYJ	137	166	424	188	
JA2IYJ	136	302	449	156		JA1ELY	48	43	39	119	
JA1OMH	7	97	294	112		JA2HGA	3	42	122	49	
JA2HGA	29	117	304	71		HL9TL			149	30	
HS4AGN	20	48	406	69		JA1RUJ		11	41	83	
JH1WIX		41	262	177		HS4AGN		3	97	1	
JH1BNC	6	137	273	63		JA8AIP		32	73		
JR1FVW	29	76	255	90		JA8FBM		14	43	25	
<b>EUROPE</b>						<b>EUROPE</b>					
EA2IA	227	434	1016	811	90	CT2BG	703	499	785	201	
I6BQI	221	421	870	622	111	I3MAU	249	190	882	362	
G3MXJ	233	215	796	520	100	OZ5KF	58	130	1125	31	
DK3GI	175	256	859	557	21	EA3SA	150	89	388	294	
DL2MY	111	181	847	485	25	I1CYC			979	304	
OZ1LO	160	219	1123	189	1	F3KW	25	1	821	156	
F5IN		422	889	390		SM6CKU	18	125	677	19	
GM3CFS	104	223	666	180		I8KBT	29	60	457	212	
DK2VQ	36	140	789	324		DJØBA	9		700	41	
OK2BOB	103	252	381	333		CT2BM	23		567		
<b>NORTH AMERICA</b>						<b>NORTH AMERICA</b>					
OX3YY	177	501	1167	387		HR1RF	945	734	2466	1265	510
KL7HRP	93	261	456	229		6F8J	432	828	1234	1354	328
WA4KJR/KP4	179	202	303	198		W4EV/VP9	660	307	937	632	2
OX3MP	1	151	531	144		KZ5BC	286		729	735	514
XE2MX		259		321		ZF1AK	470	264	768	534	13
HR1AT		220	260			TI2AJF		231	1020	614	316
TI2WX/HP4		270	88			HI8XAW	271	246	601	889	14
KL7HER	9		256	7		PJ8SE	152	367	515	906	
CO7SG		112				YN1FWN	160	267	208	789	28
KL7IAK			69			TI2WX	189	123	463	360	223
<b>OCEANIA</b>						<b>OCEANIA</b>					
KH6RS	503	1173	1070	1085	318	KH6IJ	465	561	1385	1201	150
KH6IJ	398	758	1072	1009	197	KH6IGJ	489	444	1302	703	124
KH6CF	247	409	345	549	1	KH6BZF	371	395	1200	956	172
VK3XB	176	416	524	229		KX6GS	152	98	442	334	23
KX6GS	129	416	355	408	6	KX6DB			300	316	
VK2GW	54	488	269	150		KH6RS	140	92	48	64	24
KH6HIZ		167	438	355	42	VK4VU		197	226	68	
VK4ZV	31	424	227	236		ZL2HE	13	61	254	6	1
ZL1AMQ	78	507	155	107		VK6CT	1	245	54		
ZL1AFW	30	194	212	134	9	KJ6DI		154	40	6	
<b>SOUTH AMERICA</b>						<b>SOUTH AMERICA</b>					
LU5HF1	395	890	1122	1162	859	CE6EZ	152	360	1179	1904	706
PY2ZBA	230	215	892	968	503	PJ9JT	320	103	832	965	298
HC1CW	248	324	510	757	423	PY8ZAC		382	1063	1164	152
PY7VNY	124	267	319	455	251	HC1CW	133	218	414	491	183
PY7BXC		605	266	318	171	ZP5HZ		10	319	455	316
PY7VP		75	196	156	59	YV3WB	109	24	383	519	1
CP1EU	64	48	33	155		YV3CL	22	131	655	319	
PT2GOK		282				CP1EU	117	128	156	419	19
CE5BB			13	54	5	PY1CHP			388	369	2
PY3CGJ			51			PY4KL		25	328	238	

Japan		Tadzhik		Wales		LZ2KSB (K. Petkov M. Hamdiev)	
JA1BRK	758,466-174-1453-E-67	U18JAS	3000-20-50-A	Multi-Single GW4BUC (G3s WXS ZXK G4BRK)		21,600-48-150-B LZ1KAU (K. Ioukou S. Todorov)	
JA2AAQ	502,860-145-1156-C-50	Kazakh		12,177-41-99-A-9		15,120-42-120-B	
JA2IYJ	500,640-160-1043-B	UL7NAA	5913-27-73-B	Hungary		Austria	
JA1OMH	157,590-103-510-B-14	UL7TA	2091-17-41-A	HA1ZD 40,626-61-222-A-36		OE3RE 113,004-73-516-B	
JA2HGA	150,048-96-520-B-40	India		HA5KFN 26,313-49-179-A		OE6HZG 108,120-85-424-B-19	
JH1WIX	126,720-88-481-A	VU2GW	1998-18-37-A-12	HA7MI 11,556-27-143-B		G3TXF/OE9	
JH1BNC	126,456-88-479-B	West Malaysia		HA9OT 11,118-34-110-B		36,516-68-179-A-18	
JR1FVW	124,200-92-450-C-20	9M2CX	4608-16-96-B	HA5JK 8448-32-88-A		Finland	
JA8FBM	121,176-81-499-B	EUROPE		HA2MC 891-9-33-A-1		OH6OB 80,136-63-424-B	
JA1SJV	111,198-86-431-B-72	Federal Republic of Germany		Multi-Single		OH9PH 20,172-41-164-B	
JA2MGE	93,978-69-454-C-25	DK3GI	975,096-174-1868-B-58	HG8U (HA8s UD UU VC VY ZR)		OH2BCD 11,904-32-124-B	
KA6WS	83,727-63-443-C-26	DL2MY	771,341-157-1649-B	985,710-174-1890-F		OH1PS 10,908-36-101-B	
JA3VOV	53,181-57-311-A	DK2VQ	525,912-136-1289-B	HA0KLE (HA0s LM LO MJ MK R. Miklos)		OH2KI 7,688-31-82-B	
JA2AIR	52,266-62-281-C	DK4PH	289,476-132-731-F	324,350-130-832-B-96		OH6UC 9,348-38-83-B	
*47ARW	41,184-52-264-A	DK4UO	215,064-116-618-C	HA3KGJ (HA2RM HA3s GJ GQ HE H3-052)		OH9TD 22,245-25-59-B	
JAIRUJ	26,928-44-204-B-10	DJ5GG	179,190-110-543-E	273,008-113-807-B-46		OH5YX 44,214-18-41-B	
JR3RPD	22,050-42-175-B-40	DA2BD	170,181-99-573-C-22	HA5KFU (B. Berki I. Lazanyi J. Szabo G. Valoczi S. Vilecek)		OH9PF 1620-18-30-A	
JA0BB	20,592-39-176-B-21	DJ9CB	124,480-80-526-C	258,330-109-792-A-78		OH2LU 741-13-19-B	
JA7EUK	16,485-35-157-B	DJ4OE	60,150-50-401-D	HA5KBM (HA5BM B. Vecsey F. Papp)		OH7SO 627-11-19-B	
JA8AIP	14,784-28-176-B-21	DK8DP	44,196-58-254-A-27	191,949-109-587-B-34		OH7NW 336-8-14-A-2	
JA5BLF	13,860-33-140-B-21	DK8GF	32,589-51-213-B	HA5KCC (HA5s LV MA MD A. Borek)		OH5ZK 36-3-4-B	
JA1FTL	13,431-37-121-A	DL8IG	29,700-45-220-B	161,802-101-535-A		OH8TP 12-2-2-B	
JH1GTO	12,834-31-138-B-8	DK4EX	22,176-48-154-D	HA5KKC (HA5s LV MA MD A. Borek)		Multi-Single	
JA7KTY	11,880-30-132-B-27	DL3CW	14,706-38-129-B	161,802-101-535-A		OH1AD (OH1s PS SH)	
JA6ARW	10,287-27-127-B	DK1SW	14,058-33-142-A	HA5KAS (HA5s CE FJ FZ HA7TN J. Vago)		131,614-79-556-B	
JA7YOJ (JA7GOB, opr.)	10,080-28-120-A	DL7AN	12,480-32-130-B	133,767-89-501-B-96		Czechoslovakia	
JA7GAX	9,270-30-103-A-15	DL1YA	7425-33-75-B	HA6KNB (J. Gyurko I. Lantos S. Molnar J. Szoke S. Vilecek)		OK2BOB 500,671-153-1069-B-38	
JA0SC	8,652-28-103-B-8	DL1EA	2400-20-40-A	HA5KFL (S. Ifju J. Kiss T. Pekarik)		OK1DWA 213,909-113-631-A-46	
JA7KXD	8,118-22-123-B	DL7JY	1800-20-30-A-3	25,650-50-171-A		OK1KPU (Vaclav Zak, opr.)	
JA1BNW	8,019-27-99-C	DJ2YE	288-8-12-B	HA8KUC (multiop)		105,520-80-441-A	
JR2BDG	7,020-26-90-A-16	German Democratic Republic		13,440-35-128-B		OK2PDL 66,030-62-355-A	
JR2BDF	6,192-24-86-A-16	DM3YBF	157,080-102-514-A	HA5KFP/2 (R. Basta M. Marozson Z. Zoltan)		OK1MGW 64,320-67-320-B	
JA7EYL	5,922-21-94-A-7	DM2CYO	48,783-69-237-A	12,177-33-124-A		OK2RO 59,392-64-310-A	
JA3ARM	4,725-21-75-F-12	DM2DEO	33,372-54-209-A	HA0KLL (L. Berzevicky T. Szeley)		OK1AFN 44,505-69-215-A	
JA1KKA	4,050-25-54-B-8	DM5UUL	25,230-58-145-A	8,670-34-85-B-14		OK2BDE 43,896-59-248-B	
JH1HOM	3,915-15-87-B	DM5SDL	15,312-44-116-B	HA3KGV (J. Csere L. Csere L. Panczel)		OK1KQS 39,976-64-203-A	
JH2BFT	3,774-17-74-A	DM3SMB	10,413-39-89-B	2736-16-57-A		OK2OQX 33,660-55-204-C	
JA2AJA	3,420-19-60-B-5	DM2CCLM	10,152-36-94-A	Multi-Multi		OK1DVK 29,276-52-188-D	
JA1CFJ	2,142-17-42-B-1	DM3BE	7956-34-78-A	HG5A (HA5s DE FM HO HP JI)		OK1MPX 24,219-39-207-B	
JA2EG	1,989-13-51-A	DM2COJ	6075-27-75-B	1,451,553-193-2507-C-96		OK1MIN 22,518-54-139-A	
JH3KAI	1,989-11-33-A-4	DM4YEL	3,192-19-56-B	Switzerland		OK2PAW 17,160-44-130-A	
JA4NLO	792-8-33-A-11	DM4SOG	3,015-15-67-A	212,175-115-615-B-22		OK2BBB 10,320-30-115-A	
JA2GXD	468-6-26-A	DM2DIL	2,250-15-50-A	60,270-70-287-B		OK1AOJ 9454-29-109-A	
JA3FHC	360-5-24-A	DM4PLG	1,302-14-31-A	51,903-79-219-B		OK3TBC/P 8277-31-89-A	
JA1BBA	300-5-20-A	DM2JBL	540-10-18-A	12,470-43-97-B		OK1ATZ 8160-34-80-B	
JA4GXS	204-4-17-A-16	DM2AJH	420-10-14-A	8649-31-93-A		OK1FAM 5490-20-90-B	
JH1LKH	108-4-9-B-2	EA2IA	1,607,424-208-2578-B-71	Italy		OK2LNA 4578-25-61-A	
JF1DOC	99-3-11-A-3	EA5BS	421,170-139-1010-A	1,331,946-198-2245-C		OK2LNV 4212-26-54-B	
JH1HTK	30-2-5-A	EA4BV	46,008-72-213-A-22	117,725-85-462-A-20		OK1DAV 4074-21-65-A	
JH3BJN	18-2-3-A-1	EA2CR	10,185-35-97-A	60,264-72-279-B-19		OK2HI 1932-14-46-A	
JA2GXD	6-1-2-A	EA9J	235,560-130-604-A-18	24,327-53-153-B-25		OK1KZ 936-12-26-D	
Multi-Single		EA2CR	10,185-35-97-A	10,404-34-102-A-11		OK1AWH 360-8-15-A	
JA2ZXH (JA2s DHL EMP EOJ JEM JH2HD)	29,664-48-206-A-20	EA9F	10,179-39-87-A	4,248-24-59-A-8		OK2BEF 105-5-7-A	
Multi-Multi		Republic of Ireland		Svalbard		OK2PFV 75-5-5-A	
JA3YKB (JH3s HMW HRW OSP VIR JR3GYY)	3927-17-77-A	EI1AA (EI2s BB CA CN EI7CC EI8CC)	393,660-135-972-A-40	10,185-35-97-C-4		Multi-Single	
Asiatic R.S.F.S.R.		France		LA5SH 105,525-75-469-B-24		OK1KSO/P (OK1s AAU ADH AEZ AMF AII AOC TS WT)	
UA0FPM (UV3GM, opr.)	608,640-160-1268-B-55	FSIN	719,523-141-1701-A-41	LA2Q 18,876-44-143-B		368,634-131-938-B-96	
UA0BAR	58,644-54-362-A	F8TQ	280,860-124-755-A	LA8CE 16,800-42-134-A-13		OK1KNH (OK1s DIM FCW)	
UA0CBO	54,119-53-341-A	F8VJ	265,344-128-691-A-37	LA7FE 9504-36-88-A		11,550-35-110-A-19	
UA0KAH	43,512-56-259-A	F8ZF	192,500-100-642-B-40	LA4PQ 4488-22-68-A		Belgium	
UA0SAU	18,252-39-156-A	F2XW	145,350-114-425-A-28	LA1P 1680-16-35-A-3		ON4XG 195,300-105-620-B-23	
UA0LAF	18,108-36-168-A	F3KW	90,900-101-300-B-15	LA5AP 825-11-25-A-3		Faroe Island	
UA9IF	16,539-37-149-B	F9BB	40,800-68-200-A	Multi-Multi		OY4M 6675-25-89-A-C	
UA9JL	15,645-35-149-A	F8OP	36,792-56-219-A	LA1K (LA4CO LA7s DS SP YN LA 8EN)		Denmark	
UA0FBF	15,336-36-142-A	F8TM	34,221-61-187-A-16	629,904-176-1193-C		OZ1LO 756,324-149-1692-B-64	
UA9CBR	7,830-29-90-A	F5DM	2160-16-45-A	Bulgaria		OZ6PI 154,275-85-605-A-25	
UA9CBM	4,070-22-62-B	F3B	1785-17-35-A	LZ1AU 7854-34-77-B		OZ1W 87,468-74-398-A	
UA9CBW	3,960-15-88-A	England		LZ1NJ 16,000-25-60-A		OZ5ME 72,819-81-300-A-50	
UA9CAL	3,162-17-62-B	G3MXJ	1,062,480-190-1864-A-69	LZ2RF 1008-14-24-B		OZ3DX 43,989-43-341-B	
UA0OS	1488-16-31-A	G2QT	179,865-105-571-A-25	Multi-Single		OZ5CI 24,960-52-160-A	
Multi-Single		G4CHM	19,985-35-192-A-22	LZ1KSV (Bob Jan Mitko)		OZ6ZS 17,343-41-141-A	
UK0BAE (V. Fedorov V. Kostirski G. Rozenkou)	141,696-72-1968-B	G2AJB	3,900-26-50-A-7	365,016-134-908-B		OZ9QM 14,718-34-139-A	
UK0IAC (L. Miroljubov M. Oseledchik)	19,200-40-160-A	G4BXN	1512-14-36-A-12	LZ1KDP (LZ1GX LZ1A-513 LZ2H-57 Stan Nick Ivan Ico)		OZ3PO 4371-31-47-B	
UK9YAM (UA9s 099-60 099-65 099-66)	11,655-35-111-A	Multi-Single		308,904-122-844-B		OZ7XG 3450-23-50-B	
UK9LAA (A. Kozlov V. Kurash A. Timofeev)	7917-29-91-B	G4ALE (G3s SJX UFY XJO)	538,704-144-1247-A-96	Netherlands		PA0LOU 232,176-112-691-A	
UK9HAC (V. Bogatov I. Krylov N. Mazur)	7029-33-71-A	G3SXW (+G3TXF)	457,172-148-1030-A-65	LZ1KSF (H. Ivanov I. Petkov M. Shopov)		PA0TA 67,600-80-282-A	
Turkoman		Ile of Man		124,150-50-161-B		PA0JR 49,842-71-234-A-14	
UH8BO	14,688-34-144-B	GD4BEG	11,040-32-115-A	LZ2KSU (H. Ivanov I. Petkov M. Shopov)		PA0EHF 11,988-36-111-A-9	
		Scotland				PA0PHT 8829-27-109-A	
		G3MCFs	570,078-162-1173-A-70			PA0PHK 5070-26-65-A	
		G6MRV	292,320-116-840-A-60			PI1PT 1920-20-32-A	
						PA8ML 210-7-10-A	
						Multi-Single	
						PA0GN (PA0s BOR BRO ERA GIN OOS PKD VG)	
						276,588-117-788-A-36	

Top left, proceeding counterclockwise: One of 27 cw entries from Poland is SP9CTW. He used 250 watts and a 20-meter dipole for his 131 QSOs. The gang that put ZF1AL on the air to the tune of 3.2 megapoints in one cw weekend. From the left: WA4SVH, WB4TAF, K4LDR, W4BRB and K4VC. The group did an excellent job of passing out ZF1 QSOs during their 48 hours of operation. WA8RXU and WB8LSD, operating phone as VP2VBW, are shown here looking for an opening on 10 which they never did find. Larry and Ed hit the air from BVI on the first phone weekend. Top dog in Saskatchewan on phone and cw is VE5RA. Doug called the phone test "all misery" but said the second cw weekend was "fantastic." W2JKN packed up his FT-101, a dipole and a 20-meter whip and whipped the masses into a frenzy on phone from French St. Martin using the call FG0AYO. Even though the contest was of secondary importance (since he was really down there vacationing), Buddy made 890 stations happy with a new multiplier. We were most happy to see participation from TF31RA (the Icelandic Radio Amateurs club station) shown here operated by TF3EB. Fourteen other TF3s joined him in making over 750 cw two-ways. That loud signal from G3UBR is due, in large part, to these skyhooks. A 3-element 20-meter beam graces the top of the big tower at 70 feet with a tribander below at 60 feet. The other tower supports various delta loop combinations for 40 and 80.



<i>Sweden</i>			kin A. Poshekouov	2400- 20- 40-B-	YUIKO 7728- 28- 92-B-	VK4ZV 380,052-138- 918-A-35
SM6DHU	447,876-132-1131-B-		2400- 20- 40-B-	YUIKF 297- 9- 11-A-8	VK3JL 12,558- 26- 161-A-	VK4XW 11,951- 37- 108-A-10
SM2EKM	343,332- 99-1156-B-35	UK4NAB (V. Chervotkin A. Jur-		<i>Multi-Single</i>		
SM5AY6	256,338-101- 846-B-58	chkin)	2214- 18- 41-A-	YU1BCD (YU1s NQW NZV ODO	<i>New Zealand</i>	
SM6FYJ	195,696-108- 604-A-60		2214- 18- 41-A-	ODS PCF QBC)	ZL1IAMQ 355,740-140- 847-A-29	ZL1IAFW 217,125-125- 579-A-
SM2COR	135,360-96- 470-B-50	UK3WAA (E. Kotenko V. Marxen-	1170- 15- 26-B-	YU2ACD (+YU2s RFG RNT)	ZL1BHQ 80,514- 54- 497-A-	
SM6CKU	79,461- 81- 327-B-18	kov V. Puchkin)		1,240,272-198-2088-B-90	<i>SOUTH AMERICA</i>	
SM5CAK	70,200-60- 390-B-			1,172,345-185-2114-B-	<i>Chile</i>	
SM7EAN	69,975- 75- 311-B-			YU2CDS (YU2s RNC RNE)	CE5BB 7776- 36- 72-B- 9	
SM5BNX	55,968- 53- 352-B-	<i>Kaliningradsk</i>	UA2DP 75,978- 67- 378-B-	YU4EBL (YU4s EGZ VFF VFM D-	<i>Bolivia</i>	
SM5BPP	48,852- 59- 276-B-			Vukovic)	CP1EU 82,173- 91- 301-C-	
SM5BK1	42,408- 62- 228-B-	<i>Ukraine</i>	UB5VY 190,896- 97- 656-B-	663,195-179-1235-B-65	<i>Ecuador</i>	
SM0BDS	37,785- 55- 229-D-		UY500 110,925- 75- 493-B-	YUIAAO (D. Branislav M. Branko	HC1CW 1,642,212-242-2262-C-33	
SM7BY	33,060- 58- 570-A-		UY5LO 97,230- 70- 463-B-	J. Vladislav)	<i>Colombia</i>	
SM5DNI	31,059- 51- 203-A-		UB5TQ 41,925- 65- 216-B-	35,460- 60- 197-B-	WA6TLJ/HK6 2970- 22- 45-B-	
SM0EJ	22,222- 41- 181-B-		UB5NS 22,470- 35- 214-A-		<i>Argentina</i>	
SM0CGO	16,440- 40- 137-A-		UY5TE 11,322- 37- 102-B-	<i>I.T.U. Geneva</i>	LU5HFI 3,856,032-288-4463-C-66	
SM0CCM	16,056- 72- 366-A-		UB5TR 10,767- 37- 97-B-		<i>Multi-Single</i>	
SM6CDG	13,824- 36- 128-B-			4UIITU (HB9APW, opr.)	LUI1DZ (+LUI1DAY U8s DLK DQ)	2,817,024-256-3668-C-76
SM5FUG	12,738- 33- 129-A-			205,857- 89- 771-B-	<i>Netherlands Antilles</i>	
SM4CMG	12,204- 36- 113-B- 2				<i>Multi-Single</i>	
SM5QG	9345- 35- 89-B-12			<i>NORTH AMERICA</i>	PJ9JT (W1BIH W1TX)	2,286,015-257-2965-D-40
SM0XG	9120- 40- 76-B-17	UK5WBG (T. Deziatnikov I. Kishuk		<i>Cuba</i>	<i>Brazil</i>	
SM6PF	5664- 32- 59-B-	M. Lupiy P. Markevich)	UC2OAF 12,936- 44- 98-A-	CO7SG 9744- 29- 112-A-	PY2ZBA 2,072,304-246-2808-C-60	PY7VNY 866,592-204-1416-B-
SM5X	4422- 22- 67-A-12	81,765- 69- 395-B-	UC2WAL 8277- 31- 89-A-	<i>Panama</i>	PY7BXC 697,680-171-1360-B-	PY7WVP 157,723-109- 486-B-
SM5RE	4392- 24- 61-B-	UK5JAD (N. Kisheev N. Maztynyk	UC2OAG 5670- 18- 105-B-		PT2GOK 32,994- 39- 282-A-	PY3CGJ 3060- 20- 51-A- 6
SM0BVQ	4176- 24- 58-B-	N. Pikmylov)		<i>Puerto Rico</i>	PY2FXH 1792- 16- 38-A-	PY7ND 936- 13- 24-B-
SM5ARL	2160- 16- 45-B-	28,435- 47- 202-B-		TI2WX/HP4 66,588- 62- 358-A-	<i>Venezuela</i>	
SM6JY	1887- 17- 37-B-	UK5LBJ (UB5s 077465 077564 A.			YV1JA 2808- 18- 52-A-	
SM5BAX	936- 12- 26-B-	Slezin)		<i>Honduras</i>	<i>W/WV CW</i>	
SM7CYP	690- 10- 23-B-	7452- 46- 54-A-		HR1AT 116,640- 81- 480-C-25	<i>CANADIAN</i>	
					<i>Maritime</i>	
					VO1KE 519,816-179- 968-E-	VO1AW 241,956-141- 572-C-33
					VE1AI 97,920-102- 320-B-17	VE1EK 11,562- 47- 82-A-10
					<i>Quebec</i>	
					VE2AYU 271,440-145- 624-C-76	VE2WA 258,390-165- 522-C-41
					<i>Ontario</i>	
					VE3CSZ 287,292-178- 538-C-65	VE3MZ 24,366- 62- 131-B-20
					VE3EJK 22,620- 52- 145-B-	VE3GUL 363- 11- 11-E- 4
					<i>Multi-Single</i>	
					VE3HUM (VE3s BBH BVD ECA KZ)	473,277-217- 727-C-88
					<i>Multi-Multi</i>	
					VE3EDC (+VE3s ARN EDG)	381,843-209- 614-C-
					<i>Manitoba</i>	
					VE4KE 7521- 23- 109-C- 8	VE4VV 1350- 18- 25-D-7
					<i>Saskatchewan</i>	
					VE5RA 138,471-101- 457-F-	VE5XV 89,571- 73- 409-B-43
					VE5FF 31,476- 43- 244-B-	VE5PM 18,285- 53- 115-B-
					<i>Alberta</i>	
					VE6AVO 7743- 29- 89-D-	
					<i>British Columbia</i>	
					VE7HQ 67,830- 74- 323-C-38	VE7ACZ 17,010- 54- 105-A-16
					VE7FE 12,636- 39- 108-A-37	
					<i>Multi-Single</i>	
					VA7BBL (VE7s AKJ BBL)	1776- 16- 37-B-
					<i>U.S.A.</i>	
					<i>Connecticut</i>	
					WA1PID*	1,139,688-264-1439-E-68





WB4ZHE 216,144-158 456-C-33  
WB4AA 183,864-163 376-C-35  
WA4HS 171,465-161 355-F-39  
WB4BJ 166,704-151 368-C-42  
WA4OZF 159,744-128 416-C-24  
WB4OGW 118,590-134 295-C-6  
WA4GUU 17,010-54 105-C-25  
WB4WDH 15,792-56 94-B-24

**Multi-Single**  
K4CEF (+K4DBZ)  
1,111,707-303-1223-C-91  
WA4GAJ (+WA4s BTQ BTR)  
30,672-72 142-F-96

**Tennessee**  
K4PUZ 163,173-109 499-C-20  
K4MOJ 26,460-70 126-C-4  
WA4FDR 1350-18 25-A-1  
WA4ASZ 3-1-1 A-1

**Virginia**  
W4KFC 926,184-259-1192-F-54  
WB4BGY 922,368-256-1201-C-66  
W4KXV 738,612-252-977-C-73  
W4WSF 537,030-195-918-C-8  
W4YZC 348,534-201-578-F-42  
WB4SGV 346,896-176-657-C-50  
W4JHK 306,360-185-552-C-45  
W4ZSH 292,395-193-505-F-39  
W4DM 284,316-172-551-C-35  
K0CMF/4 228,690-154-495-C-55  
K4OD 187,902-146-429-C-34  
WB4DEL 184,704-128-481-C-28  
K4JM 167,040-145-384-B-20  
W4UQ 138,570-149-310-C-36  
K4EBY 122,640-112-365-C-60  
K4JYM 113,400-120-315-C-32  
K4AUL 109,710-115-318-C-30  
W4QCW 101,016-122-276-E-20  
W4NH 87,021-99-293-A-4  
W4WBC 79,596-99-268-C-27  
K4JS 76,275-113-225-C-37  
W4GF 65,856-98-224-E-11  
W4EZ 54,600-91-200-C-15  
K4GFH 47,736-78-204-F-28  
K6ETM/4 39,960-72-185-B-30  
K4KA 35,376-88-134-B-15  
W4YHD 32,970-70-157-C-17  
K4ZA 29,412-76-129-C-18  
W4ZM 27,456-64-143-C-6  
K4EJG 19,530-62-105-B-43  
WB4URW 18,972-68-93-D-8  
WB4UKA/4 15,066-54-93-B-5  
W1FRF/4 11,952-48-83-B-10  
W4KMS 8100-36 75-F-12  
WB4TEL 189-7 9-C-1

**Multi-Single**  
K4VX (+K4APQ)  
1,437,165-293-1635-E-84  
K4CG (K3WUW WA3s HWW VTG  
WA8RGJ)  
562,887-221-849-C-90

**Multi-Multi**  
W4BVV (+K4s GKD YF)  
1,255,500-270-1550-C-44

**Arkansas**  
WASVDH 115,584-128-301-B-25  
W5RUH 30,096-76-132-B-28  
WA5SOG 24,522-67-122-C-16

**Multi-Single**  
W5DRW (+WASRTG)  
97,155-127-255-G-52

**Louisiana**  
W5OB 61,476-109-188-C-52  
W5UO 54,495-105-173-C-31  
W5UDK 54,240-113-160-C-16  
W5HC 26,676-76-117-B-25  
W5HCJ 17,613-57-103-C-17  
W5KKZ 8601-47-61-C-8  
K5BLV 7770-37-70-A-12  
K5KLA 3720-31-40-C-6  
K5FVA 192-8-8-C-1

**Mississippi**  
K5RFJ 541,575-249-725-C-71  
W5AO 256,878-213-402-B-54  
W5PWW 88,032-131-224-B-50  
W5MUG 12,402-53-78-C-10

**New Mexico**  
WIFCC/5 443,520-176-840-E-64  
K5MAT 59,670-117-170-C-17

**Northern Texas**  
W5WZQ 1,020,510-255-1334-E-74  
W5LUJ 642,699-244-878-C-80  
K5ABV 281,799-213-441-A-75  
W5PAQ 113,364-134-282-C-22  
WASSTI 8076-17-131-C-11  
W5UCE 8775-39-75-B-9  
W5SOD 5406-34-53-A-22

**Multi-Single**  
W5MYA (+W5BJA)  
509,220-207-820-C-69  
K5AKW (+K5BEE)  
72,996-79-308-C-65

**Multi-Multi**  
W5KFL (+W5TFC WA5s OCN WPB  
ZVE ZWC ET3USE)  
1,843,611-347-1771-C-90  
WB5DXTx (WB4JEZ K5ZIP W5BJA  
WA5s FZG JMK UCT WBSs  
AAR BFZ EEF IZN)  
1,839,150-335-1830-E-96

**Oklahoma**  
K5LMG 116,802-126-309-F-51  
W5CPI 9546-43-74-D-17  
WA5VAP 840-14-20-B-10  
K5JVF 624-13-16-A-4  
WA7LKI/5 45-3-5-B-4

**Southern Texas**  
K5PFL 1,065,120-280-1268-E-76  
WA5ZNY 526,440-205-856-G-70  
W5SXB 276,672-176-524-E-42  
W5BE 184,260-148-415-C-61  
W5ALES 183,654-171-358-C-8  
K5STR 130,032-126-344-C-32  
W5SRTQ 104,784-118-296-G-24  
W5SDDI 44,088-88-167-A-43  
W5LPO 37,350-75-166-A-4  
K5JZY 37,152-96-129-F-32  
W5JIJD 14,337-59-81-A-4  
K5SEJ 14,256-54-88-B-18  
W5BFMA 2775-25-37-B-5  
W5BWM 1170-15-26-B-6  
W5NJD 693-11-21-A-4

**Multi-Single**  
W5YG (WASRXT W5BJEJ)  
106,128-134-264-C-36

**East Bay**  
K6AHV 1,217,409-257-1579-C-80  
K6QW 422,619-179-787-C-6  
K6ZM 410,400-160-855-C-80  
W6PM 213,444-147-484-C-6  
W6AHF (W6PMM, opr.)  
208,494-117-594-C-44  
K6JUS 62,928-69-304-E-24  
W6RMMH 42,210-67-210-A-24  
W6UXZ 24,426-46-177-C-20  
W6RQZ 23,220-43-180-C-6

**Multi-Single**  
WA6NGG (+K6PJY WA6FWJ)  
832,416-208-1334-C-90  
WA6IQM (+K6AUC)  
345,774-143-806-C-43  
W6DOD (+W6KG)  
305,235-133-765-C-60

**Los Angeles**  
W6RR 1,334,142-249-1786-C-83  
W6RRT 1,088,463-223-1627-C-80  
W6DGV 998,244-237-1404-E-75  
K6VOJ 914,166-209-1458-C-78  
WA6EPQ 739,020-218-1130-C-6  
W6TPJ 136,125-125-363-C-43  
K6MP 122,640-112-365-C-27  
W6RW 49,413-91-181-C-20  
K6YYQ 18,648-56-111-A-35  
W6LGS (W6DDB, opr.)  
17,472-52-112-A-4  
W6OC 4872-29-56-C-4  
W6APW 816-16-17-3

**Multi-Single**  
W6YRA (WB6s RRV ZSU  
WA7DAC)  
239,400-120-665-C-31  
K6ELX (+K6CEO W6ABP WA6s  
BNZ MVZ)  
167,100-100-557-C-90

**Orange**  
K6TXA 46,620-74-210-C-14  
W6BUNX 10,272-32-107-D-15  
W6RGTJ 8085-35-77-A-10  
W6HPB 7224-43-56-B-24

**Multi-Multi**  
W6ANN (+WA6LD WB6PKA)  
635,904-192-1104-C-40

**Santa Barbara**  
K6OW 158,994-121-438-E-49  
W6PRP 91,821-127-241-C-25

**Santa Clara Valley**  
W6PAA 1,204,866-247-1626-F-89  
VET7AU/W6  
77,316-68-379-C-7  
K6DC 71,379-77-309-C-6  
W6ATO 55,500-74-250-C-35  
WA6WEI 48,546-62-261-D-40  
W6CLM 34,404-61-188-F-29  
W6OKK 34,170-67-170-B-11  
K6QZ 18,204-41-148-C-9  
WA6TKT 16,335-45-121-C-14  
W6EJ 13,872-68-68-C-17  
W6SC 11,421-47-81-A-16  
W6CLZ 10,530-39-90-B-14  
W6AUC/6 9288-36-86-C-7  
W6B9Y 8325-37-75-B-22  
W6KHS 3780-28-45-A-5  
K6CN 3654-29-42-G-6

**Multi-Multi**  
K6EBB (+W1ARR WA1ABW W6s  
HQZ RCG WA6s NLQ QGW  
UZA WB6AIN WA9UCE)  
2,434,827-313-2593-E-96

**San Diego**  
W6MAR 1,456,668-258-1882-F-87  
W6PLH 902,979-231-1303-F-92  
W6BZE 158,688-116-456-C-6  
K6SDR 38,964-68-191-A-4  
W6ID 32,412-74-146-C-13  
W6ZMX 9009-39-77-B-16  
W6BDPV 1449-21-23-B-7  
WA6UFY/6 990-15-22-A-17

**Multi-Single**  
W6ISA (K6s SDR V1 W6ITY WB6s  
HGJ OLR)  
1,078,104-232-1549-C-7

**San Francisco**  
W6WB 227,505-145-523-C-76  
W6ZT 22,743-57-133-B-33  
K6TU 1344-16-28-A-10

**Multi-Single**  
W6BIP (+WA6DJI)  
627,192-186-1124-C-71

**San Joaquin Valley**  
K6OZL 477,900-177-900-C-6  
K6COF/6 229,332-116-659-E-6  
W6YKS 77,490-90-287-C-34  
W6CLP 12,648-34-124-B-6  
K6OZI 1932-23-28-C-7

**Sacramento Valley**  
WA6JVD 341,310-155-734-C-90  
K6DR 278,460-140-663-C-72  
W6KYA 13,734-42-109-B-9

**Arizona**  
W7IR 957,846-263-1214-C-82  
W7AYY 143,067-103-463-C-34  
K7KFE 4200-56-25-C-6  
W7WVF 1287-13-33-B-12

**Multi-Single**  
W7NQ (W7CFJ WA7VEN)  
922,641-229-1343-E-60

**Idaho**  
K7NHV 261,690-143-610-C-50  
W7VSS 30,528-64-159-A-44

**Montana**  
W7GKF 205,461-111-617-E-45  
W7QB 4089-29-47-B-6  
K7CPK 2109-19-37-A-6

**Nevada**  
WA7NIN (W6OAT, opr.)  
645,075-183-1175-C-70  
W7VIU 4704-28-56-A-17

**Oregon**  
WA7FAB 239,928-104-769-C-70  
WA7PMI 86,652-83-348-C-51

**Washington**  
W7WMY 166,296-104-533-C-52  
W7LAV 163,827-109-501-F-56  
WA7JCB 109,908-86-426-C-28  
W7YTN 72,588-92-263-C-45  
W7YBX 50,853-67-253-C-20  
WA7OMX 42,804-58-246-F-40  
WA7SHN 33,408-58-192-B-44  
W7GYP 29,376-48-204-C-22  
W7EXM 28,305-85-111-E-20  
W7APN 25,380-47-180-C-7  
W7LZF 24,750-66-125-C-19  
W7GYF 16,023-49-109-A-7  
W7NP 15,609-43-121-C-10  
WA7TBF 8649-31-93-B-11  
W7TMS 4278-23-62-B-30  
WA7GYR 2394-19-42-C-4  
K7RSC 2070-10-69-C-4  
W7EFL 2046-22-31-A-4  
KA7EBC 663-13-17-A-7  
W7BCS 108-6-6-A-2

**Multi-Single**  
W7FR (W7PHO WA7UQG W9IRH)  
415,800-140-990-C-75  
K7KCS (+K7GGS)  
143,640-114-420-B-96

**Multi-Multi**  
W7SFA (+W7Ks HTZ JCA VPF  
WEXM WA7s MEO OTT  
VE7ZZ)  
2,039,217-281-2419-C-96

**Wyoming**  
W7LE 3024-24-42-A-4

**Michigan**  
W8DA 128,139-121-353-F-34  
WB8AAx 32,832-72-152-C-24  
K8IRC 24,024-56-143-C-12  
W8OOR 16,224-52-104-A-12  
K8QWG 5427-27-67-B-14  
WB8DSG 4779-27-59-B-10  
W8WVU 2001-23-29-A-3  
WB8NVD 495-11-15-D-4

**Multi-Single**  
WA8TBQ (+W8BYVR)  
1,119,846-293-1274-C-95  
W8VPC (+W8TJQ)  
138,444-139-332-C-40

**Multi-Multi**  
K8IDE (+K8HLR WA8JUN)  
1,239,147-273-1513-C-75  
W8ROF (+K8EHD W8s HBK KPL  
SYR WA8s EDC LYF T. Edison)  
696,069-237-979-F-70

**Ohio**  
W8DB 471,960-230-684-C-54  
W8ZCQ 151,659-123-411-C-36  
W8NPF 63,648-102-208-C-40  
W8KW 56,925-75-253-C-16  
W8GOC 53,457-103-173-A-4  
W8EE 20,832-62-112-C-45  
W8DPW 17,550-65-90-E-20  
W8BQV 15,687-63-83-C-15  
W8BFWQ 14,448-56-86-A-17  
K8MLO 8460-47-60-A-13  
W8VCE 6765-41-55-B-5  
W8PCS 5148-33-52-B-5  
K8NXV 216-8-9-B-3

**Multi-Single**  
W8EDU (WA3BGE K8RMK  
WA8RXM)  
275,859-153-601-C-52  
W8LT (WAILKU WB8s IBZ JXS)  
94,116-124-253-E-32

**West Virginia**  
K8MYU 34,425-75-153-A-12  
W8JM 6840-30-76-C-8  
WB8J 3150-30-35-B-35  
K8QYG 60-4-5-A-4

**Illinois**  
W9LKJ 632,370-214-985-C-52  
W9KNI 565,668-228-827-C-77  
WA9IHL 374,826-179-698-C-70  
W9OHH 327,807-171-639-C-8  
W9WYB 262,095-173-505-F-40  
K9DWK 167,665-155-361-C-44  
W9DQW 134,232-119-376-C-8  
W9RX 124,839-143-291-C-55

W9BZW 114,552-111- 344-C-19  
W9UDK 84,000-112- 250-C-21  
K9UQN 54,984- 58- 316-C-29  
WB9HAD 40,860- 60- 227-C-15  
W9VBV 39,984- 98- 136-C-12  
WB9NOZ 29,394- 71- 138-B-46  
W9GB 25,875- 69- 125-C-20  
W9JI 21,285- 44- 165-C-14  
W9KBZ 21,024- 73- 96-A-32  
W9MVL 15,222- 59- 86-F-20  
W9LVH 12,393- 51- 81-C-13  
W9MKL 5940- 36- 55-C-  
W9WR 4680- 30- 52-B-14  
W9PNE 2250- 25- 30-A-26  
W9REC 1980- 22- 30-B- 7  
W9HPG 1932- 23- 28-B-12

*Indiana*

W9LT 699,660-230-1014-E-80  
WB9BPG 414,384-194- 712-F-47  
W9SFR 279,825-175- 533-C-47  
K9CLO 151,125-125- 403-C-57  
WA9NPM 111,618-117- 318-C-65  
WA9BWW 92,988-126- 246-E-16  
W9WCE 32,361- 67- 161-B-22  
WB9MDB 25,254- 69- 122-A-  
W9CL 17,574- 58- 101-C-15  
W9ZTD 15,288- 56- 91-F-47  
WB9BUV 6600- 44- 50-B-21

K9VQK 3936- 32- 41-C- 9  
WA9NJU (WB9KVO, opr.)  
108- 6- 6-F- 6  
K5LZT/9 3- 1- 1-B- 2  
W9KL 3- 1- 1-B- 1

*Wisconsin*

W9PJT 249,255-145- 573-C-50  
W9GIL 214,542-137- 522-C-50  
K9DAF 114,021-123- 309-F-  
W9RQM 54,468- 89- 204-C-15  
W9OW 41,856- 64- 218-C-23  
WB9MOG 21,696- 64- 113-C-20  
W9NDS 6519- 41- 53-A- 9  
WB9BJO 5712- 34- 56-B- 8  
W9BG 2772- 28- 33-F-10  
WB9GNH 27- 3- 3-A- 2

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*Colorado*

WØLBP 424,152-172- 822-C-56  
KØVFN 162,138-122- 443-C-40  
KØZFL 16,200- 50- 108-B-14  
WØMSV 297- 9- 11-A- 4

*Multi-Single*

KØKKU (+K4NFG WØMNI WAØs  
FYU GWL)  
444,969-147-1009-C-

WØLJF (WAØCVS WBØs AMJ GEX)  
153,924-127- 404-F-83  
WAØEGZ (+WBØs GAZ GMY)  
139,644-108- 431-G-62  
WNØJGT (+WNØIWD)  
684- 12- 19-A-20

*Iowa*

KØDDA 268,224-176- 508-A-48  
WØPCO 224,667-157- 477-C-57  
KØGXR 114,138-102- 373-C-15  
WAØTAQ 52,836- 74- 238-C-28  
WØBSY 32,631- 73- 149-C-27  
WAØVBW 14,337- 59- 81-B-35

*Multi-Single*

KØSVW (+KØs HLB OAM)  
168,912-136- 414-C-71

*Kansas*

WØIUB 181,890-141- 430-C-39  
WØOC 126,936-123- 344-F-56  
WØLNZ 34,671- 91- 127-C-22  
WØJYE 18,306- 54- 113-C- 7

*Minnesota*

WØHP 672,390-241- 930-C-  
WBØANT 216,840-139- 520-C-48  
WØYCR 172,431-119- 483-C-  
WØNAR 142,155-117- 405-C-  
WAØKDI 49,842- 71- 234-C-31  
WØNG 45,069- 83- 181-C-31  
WØTRF 18,228- 49- 124-C-  
WØLP 10,575- 47- 75-C-14  
WAØKQU 8694- 42- 69-C- 7  
WØJS 4092- 31- 44-C- 6

*Multi-Single*

WAØENP (+WAØBWM)  
602,370-230- 873-G-85

*Multi-Multi*

WØAA (WØs BE HW IYP WAØs IAW  
RBW RLD VPN)  
299,598-167- 598-C-

*Missouri*

WAØEMS 192,924-138- 466-C-37  
WØTDR 134,400-128- 350-C-30  
KØRWL 13,650- 50- 91-B-18  
WØHBH 10,251- 51- 67-C-  
KØSGJ 330- 10- 11-C- 3  
WAØZLU/Ø 12- 2- 2-A- 2

*Multi-Single*

WØEEE (WB2LLG WAØACF  
WBØGQP R. McDonald)  
73,629-101- 243-C-34

*North Dakota*

KØALL 4674- 38- 41-B- 4

**CHECK LOGS**

(W/VE PHONE) VE7AJ, W2CYK, W2EGI, WB2GTB, W3CTE, W3GID, W4JUK, W3MR/4, W5OP, W6HPB, K7EFB. (W/VE CW) VE3CEA, W3DNY/VE8, W2EGI, W2NCI, W2VUM, WA2DIW, WB2GTB, W3GID, K4QD, WA4MFS, W6FZX, WA6ZKI, W7ZI, W8ROV, WA9DLT, WAØVDX. (DX PHONE) DJØXT, DL1YA, DM2AOM/A, DM2CHM, DM2COJ, DM2CYO, GW3NWW, JA7FIJ, KL7HNQ, LU4DSZ, OH2BO, PY1DBE, SK5AS, SM6CDG, SM6CPO, SP3KGG, UJ8JGJ, VK3XB, VK4PJ, A-8579. (DX CW) CX2AQ, DJØXT, DK5OS, DM2AOL, DM2AOM/A, DM2BML, DM2BNJ, DM2CMF, DM2DZH, DM2FIL, DM2FQN, DM2YLJ, DM3KBB, DM5PBN, EI9F, HA5DJ, JA7FIJ, KL7HNQ, LA4KQ, LZ2EE, OK1DOK, OK1DVJ, OK1IAR, OK1TA, OK2BBJ, OK2BGR, OK2BJU, OK2BOV, OK3YL, OZ1TD, PAØIKE, PAØWAC, PZ1CQ, SK6AW, SM5BGO, SM5CPC, SM5VCV, SM6BZE, SM6CVE, SM6CZU, SM6DVZ, SM7CMY, SM7EH, SM7JZ, SP3CDQ, SP4AVG, SP4FYT, SP6DMJ, SP9BQG, UA1ZV, UA2EC, UA3DAO, UA3LAC, UA3ST, UA3TAM, UA3VAD, UA3XAW, UA9NX, UAØLJ, UB5UR, UB5VK, UC2-009-315, UK1ABC, UK1ZAO, UK2PAF, UK5EAP, UK5VAA, UK6LAZ, UK9SAY, UP2BBC, UP2BBF, UQ2GCN, UQ2OF, UW6CV, UW6NY, XQ2BA, YØ1V, YU4HO.