

Here's the one you've all been waiting for, writing in about and calling the CQ offices to try to get the lowdown on how you did. It was the biggest contest ever and things look even better for the next one.

1976 CQ World-Wide DX Contest Phone Results

BY BOB COX*, K3EST, AND LARRY BROCKMAN†, N6AR, (ex-W6ECQ)

The 1976 phone contest was a huge success! It was interesting to note that the contest occurred at the latest possible date. The bands during the month of October have often produced some of the most spectacular and interesting openings heard throughout the year, and this year was no exception.

A total of 1950 phone logs produced an increase of 5% over last year. An increase of 5% at the supposed sunspot minimum is quite gratifying. With the new sunspot cycle on the upturn, the 1977 phone contest, October 29 and 30, should prove to be a must event.

Top all band honors went to PJ9CG operated by WA1JLD. Clarke made good use of his Curacao location to run up 5.2 million points. In a hot battle for second place, CT4AT edged out KC4AAC. Don sure had a dream location, right on the ocean. The only view he saw however was his rig in setting a new European Phone record. As we all know KC4AAC sure put the frozen continent on the map.

Top USA all band honors went to W1ZM operated by WA2CLQ. Jeff overcame W7JSTs JA advantage with European multipliers. W1ZM and W7JST finished within 7 QSO's of each other. Quite interesting considering they are 3000 miles apart!

In the Multi-Operator Single-Xmtr section, VP2G operated by W5MYA and WB5IZN had fun racking up 5.8 million points for a new North American phone record. 4J9B was second with their usual

immaculate log. The Boys from Italy and Sicily traveled over to Lampedusa Is. to hand out zone 33 to grateful contest participants.

Unless you had rig trouble, you probably worked VP5M. This fine effort by the North Florida DX association and friends set a new North American Multi-Multi record. They logged over 7000 QSO's.

11 New Records Were Set

In addition to the records mentioned above, the following stations set new records: KV4FZ, World 1.8 MHz record; FY7AK (Opr. F5QQ), World 14 MHz record; K2IZN/4X, Asian 14 MHz record; HK4EB, South American 1.8 MHz record; EA8CR, African 3.8 MHz record; CX4CR, South American 7 MHz record; VR3AH, Oceania 7 MHz record; and 4J9B, Asian Multi-Single record.

It was interesting to note the number of multipliers appearing on 28 MHz. The East USA had an opening to Southern Europe and the West USA had an opening to JA. UI8, UH8, YB, VS6, 9M2 and many other exotic calls were active on ten. It sure is going to be fun when ten opens solid again.

Rule Changes

The CQ Contest Committee has voted the following rule changes:

- 1) Spotting nets (such as two meter nets) may not be used by single operator stations.
- 2) A 3 to 1 QSO penalty will be assessed for unremoved duplicate Contacts.
- 3) A station making over 200 QSO's on a band must submit a checksheet for that band.
- 4) A portable designator will be required for USA

CQ DX Contest Co-Directors

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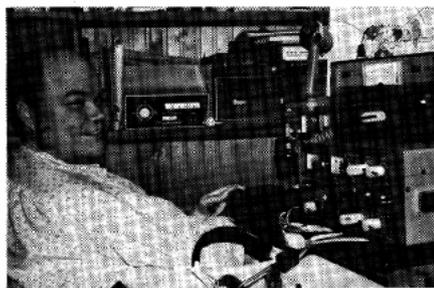
EA8CR



HC5EE



VP2G (W5MYA left, WB5IZN right)



OZ4RP



8P6AH opr. of 8P0A



PA9TOM



I4ZSQ



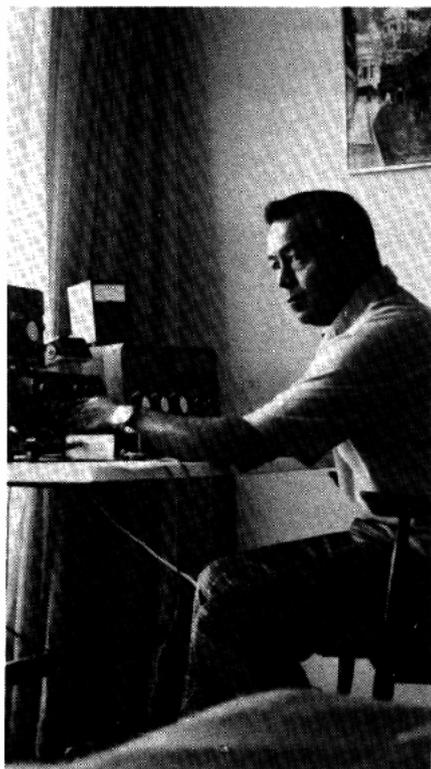
CX2AQ



CW3BR



K5LWL



FG0CXV/FS (W4PRO operating)

BAND-BY-BAND BREAKDOWN — TOP ALL BAND SCORES

Number groups indicate: QSO's/Zones/Countries on each band.

WORLD TOP SINGLE OPERATOR—ALL BAND						
Station	160	80	40	20	15	10
PJ9CG	421/14/34	590/20/60	1243/26/78	1555/23/68	867/18/37	
CT4AT	157/13/45	628/21/71	995/29/79	578/22/77	388/24/84	
KC4AAC	17/10/9	130/15/18	1860/35/117	1147/22/52	278/11/20	
6W8A	79/9/21	240/17/48	771/33/92	881/26/80	428/19/58	
UB5WE	479/12/62	301/20/59	628/32/95	779/31/90	116/14/48	
HC1BU	10/6/8	77/9/15	1123/27/100	728/18/42	684/14/30	
KP4EAJ	41/5/8	190/7/27	146/6/13	551/23/69	1072/22/74	957/19/44
HK4DF		211/13/27	103/10/29	881/28/84	775/22/55	301/13/21
LU1BR			203/17/24	962/32/84	661/20/47	585/14/45
W1ZM	186/17/65	125/20/62	540/31/93	552/23/88	67/15/35	

USA TOP SINGLE OPERATOR—ALL BAND						
Station	160	80	40	20	15	10
W1ZM		186/17/66	125/20/62	540/31/93	552/23/88	67/15/35
W7JST		3/1/1	61/18/33	164/23/48	540/29/84	627/28/75
W3GRF	6/3/4	120/14/53	118/19/59	475/30/107	315/23/96	65/15/40
W3LPL	11/5/7	93/16/57	103/21/67	485/30/97	319/24/91	61/14/43
W2GXD	9/3/5	94/13/48	72/19/50	611/29/95	348/20/77	55/16/36
W2HMH		94/14/46	105/22/59	579/31/102	211/24/83	80/17/45
K5LWL						
W4QCW	12/4/8	99/14/44	108/21/52	448/27/97	267/23/80	60/13/35
W3BGN	1/1/1	101/12/45	91/21/56	467/27/89	253/20/83	67/17/40
W4YWX	15/6/12	70/14/44	94/20/53	345/30/93	325/25/79	90/17/45

WORLD TOP MULTI-OPERATOR—SINGLE TRANSMITTER						
Station	160	80	40	20	15	10
YP5M	26/5/14	474/12/43	688/20/68	1265/29/99	1705/24/98	1154/21/67
4J9B		557/22/70	590/33/82	1289/35/126	697/29/96	140/16/37
IG9PLN		480/11/45	310/17/49	746/25/72	1153/27/90	496/19/81
UK6APA		99/10/45	68/16/54	1380/35/99	1350/29/89	108/18/57
F6GMM	24/7/18	439/12/41	438/18/55	694/25/75	1859/21/76	282/12/19
DLOWU	11/2/11	294/9/51	351/23/75	968/32/106	666/33/107	63/14/41

USA TOP MULTI-OPERATOR—SINGLE TRANSMITTER						
Station	160	80	40	20	15	10
W60NV	5/4/3	80/18/42	355/22/41	677/35/105	812/27/79	66/14/31
W8ZDF	14/8/13	148/19/60	116/22/66	663/35/111	280/24/105	81/17/52
W5BJA	17/5/12	79/21/51	142/21/57	232/30/105	559/29/102	131/19/59
W1ZA	12/3/8	143/17/64	76/19/46	533/27/94	421/23/89	87/15/41
K1VBL	15/5/9	135/16/47	58/15/40	583/32/102	308/22/90	65/13/40
W1-						
NRF/1	7/3/5	141/16/48	53/15/43	628/31/103	260/21/95	38/12/31

WORLD TOP MULTI-OPERATOR—MULTI-TRANSMITTER						
Station	160	80	40	20	15	10
YP5M	26/10/28	761/17/60	1134/24/82	2683/33/117	2190/31/124	754/21/51
PJOA	2/2/2	629/15/44	614/13/35	1650/30/101	1933/24/80	1208/20/47
DKOZZ	59/2/9	797/18/64	845/23/87	1684/38/135	1073/34/126	172/21/74
DLOPG	102/3/14	896/19/75	593/20/69	1634/37/140	824/35/124	102/14/43
W7RM	27/10/16	487/24/58	603/27/70	1535/38/138	876/24/67	74/14/21
W3AU	37/8/17	383/22/72	317/27/81	896/35/124	712/31/126	180/18/64

USA TOP MULTI-OPERATOR—MULTI-TRANSMITTER						
Station	160	80	40	20	15	10
W7RM	27/10/16	487/24/58	603/27/70	1535/38/138	876/24/67	74/14/21
W3AU	37/8/17	383/22/72	317/27/81	896/35/124	712/31/126	180/18/64
W2PV	77/8/14	472/21/75	318/24/79	1202/32/126	734/27/114	75/13/37
W3WJD	48/10/20	410/20/76	231/23/76	922/38/128	692/28/119	143/18/57
K2GM	68/8/14	312/17/65	279/26/76	1285/35/130	581/27/109	141/16/51
W4BVV	47/10/22	422/24/78	307/27/86	923/35/123	574/27/113	144/18/54

stations operating in a call area other than the one indicated by their call sign.

CQ Contest Committee

The following people provided the expertise necessary to carefully check each log and summarize the logs for which they were responsible: Chairman, Frank Anzalone, W1WY; and members K3ZO, Fred Laun; K6NA, Glenn Rattman; N2AA, Gene Walsh; N4MM, John Kanode; N6ZZ, Phil Goetz; N6CW, Terry Baxter; W3GRF, Len Chertok; W3ZZ, Gene Zimmerman; W6BHY, Jim Neiger; W6JPH, Larry Weaver; W6PVB, Fred Morris and W2SQN, Dave Donnelly.

Coming up next month, the C.W. results. Congratulations to all of the certificate winners.

73, Bob, K3EST and Larry, N6AR

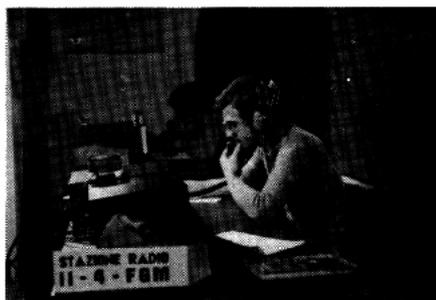
USA QRM

"Gave my telephone number (5903) instead of the proper exchange several times . . . K1RQE. Have separate KW hour meter for the shack. Used 9 1/2 KW hours. Cost me about 1/2 a buck for juice . . . AC1CNU. Planned to operate 40 meters but two hours before the contest started a wire broke on the quad . . . W1FXD. Low power is rough against the big guns but I didn't give up . . . WA1FCN. Excellent operators, fierce competition, great conditions—a super weekend . . . K1KDP. First time on ten meters, really surprised me, but the neighbors weren't surprised . . . WA2ZBW. Countdown's begun for the next one already! A fun contest . . . WB2FUN. Raise the M.U.F. Kick out the old spots—bring in the new . . . K3AWZ. First test from W3 (ex W7AWH)—large oaks blocked the antenna, could not rotate to Asia! After the contest the XYL agreed to cut down a tree so the antenna can rotate . . . W3IGQ. Blew 30 diodes out of the power supply Saturday and 25 Sunday. A big flash from the amp. at 0200 hr really wakes you up . . . K4JPD. Too many hours for too many months getting ready and I was too tired to compete after the first night . . . W5TMN. Frustration is having ten meters open and not knowing a word of Spanish. Frustration is trying to find a hole in the twenty meter band. Frustration is having a DX station come back to both you and someone else, telling you to stand by, and forgetting he ever heard you . . . WA1STN. First contest in 16 years, had a ball . . . K5TSQ. We still need one or two more good phone ops to help us c.w. men . . . W3WJD.

We had the right call, the correct equipment, but needed more operators as we seemed to enjoy our sleep . . . K2USA. The 15 meter beam blew down the first day, 3 operators never showed up, and one rig was reclaimed by its owner Saturday morning; Murphy was in command! . . . AB2YKG/2. Ten meters was the best we've seen in a long time...K2GXT. Great fun—everything seemed to go right except when the linear blew up and we had to go to the backup . . . WA3YGH. We tried the phonetics K4-Big-Green-Frog and some guy kept coming on our frequency saying "Rivit, Rivit". . . K4BGF. Was slowed down by a 4-hour power failure, and finally shut down when the rotor caught fire . . . W5RU. Wish there was more activity from Africa and South America . . . W5RRR. Both ops really enjoyed getting into the contest for the first time . . . WB5MXS. Our cars got egged two nights before Halloween—RFI? . . . W6OKK. No equipment failures and lots of fun . . . K6HIH. Received General Class ticket only 3 days before the Phone Test so the whole thing was a thrill . . . WA6JUD. This started out as a Single Op entry but WA6GSN got the flu Saturday night so I had to take over . . . W6MUR. We were frantically trying to install a rotor on the 15 meter beam while the band was wide open—prepare better next time . . . WA8MOA. Lost the beam 2 hours before the contest so we used only wire antennas . . . W9YH."

DX QRM

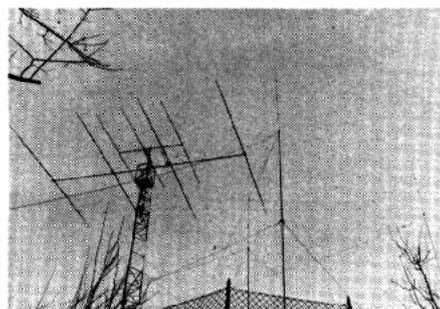
"First time in this fine contest for all three ops . . . ZS6BNX. Unfortunately the contest fell on the same day as our University Festival...JA7YAA. Those pile-ups, wow! . . . 5W1AU. Thunderstorm QRM made the low bands rough . . . AY2DNC. There was great enthusiasm in all the world—congratulations to CQ . . . LU1D. A thrill to have VR1AA break through a pile of Americans on 15 meters . . . VE1UNB. Perhaps Antarctica could be considered a separate continent in future contests? I planned on one hour of sleep but my alarm didn't wake me . . . I figure I lost about 800,000 points in the extra hours of sleep . . . WB6KIL (op. at KC4AAC). I decided to operate the contest one hour before it started and arrived at my vacation home only ten minutes before it began. After several hours of operating, my beam stuck pointed at Europe so I had to finish the contest in that position. The contest was fantastic...HK4DF. Fue un muy buen concurso, Tuvimos un poco de malas condiciones durante el segundo dia de operacion . . . LU1BR. What a difference in using our special 4M prefix and a short call . . . YV5EED (op. of 4M1RV). An unknown "friendly" neighbor cut my feed line, maybe TVI? Who knows? . . . YV4CB. I enclose this mini-log for the benefit of the few stations who worked me in order that they may not lose their points . . . OA4PQ/YV5 (Ed. note: While we are always glad to get logs, it is not necessary for you to



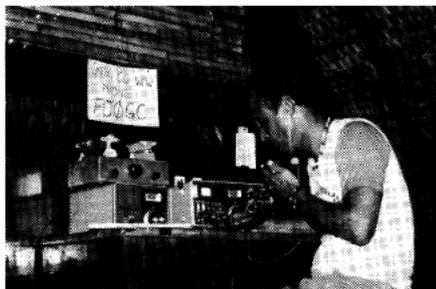
114FGM - 14VEQ, 14LEC



WB4SJG/6YS



13PRK



FOØGC - WB6EXW



JH1ECG



W7JST



VE7BC (VE7LB opr.)



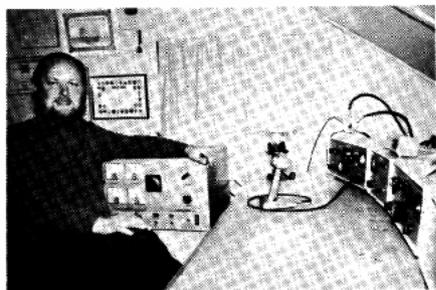
UB5WE - VIC
UB5WF - ULAD



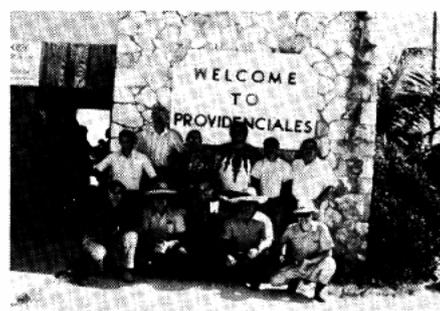
DM3EA



15FCK



CE6EZ



VP5M

USA TOP SCORES

Single-Op All Band	W1ZM	1,885,050	W2HMH	1,323,241	
	W7JST	1,678,586	K5LWL	1,178,284	
	W3GRF	1,412,150	W4QCW	1,161,204	
	W3LPL	1,405,144	W3BGN	1,133,412	
	W2GXD	1,382,193	W4YWX	1,116,462	
28 MHz					
Single-Op Single Band	AB5HIH	22,952	AA6EPQ	74,100	
	WA1HFN	21,243	W9ZRZ	50,490	
	K9EGA/2	21,170	K4APL	27,880	
	W6HX	20,150	WB4OGW	25,415	
	WB9KLB	19,074	WB4SIJ	19,762	
	WB0QHV/0	16,409	W9NZM	17,908	
	21 MHz				
	K4YYL	303,170	W7KW	70,550	
	WA6EKL	261,388	W1CF	69,608	
	W6PLH	238,640	K8INX	68,456	
AA4OSM	227,360	K0RF	54,096		
AA6DNM	218,295	K2RR	28,981		
W2HBT	191,252	K6EBH	21,783		
14 MHz					
Multi-Op Single Xmtr	WB0LLR	258,335	K1PBW	7,280	
	WA1RHA	255,505	W5USM	2,400	
	WB9LHI	253,260	WB4QZT	2,160	
	W3CRE	249,832	WA4NFF/4	1,200	
	W8JGW	225,568	W4BAA	1,058	
	WA2WMT/0	223,245	K9UWA	817	
	W6ONV	2,420,750	W1ZA	1,572,596	
	WA8ZDF	1,925,308	K1BVL	1,393,423	
	W5BJA	1,620,381	WA1NRF/1	1,316,376	
	1.8 MHz				
Multi-Op Multi Xmtr	W7RM	5,137,431	W3WJD	4,159,205	
	W3AU	4,375,000	K2GM	4,144,280	
	W2PV	4,276,140	W4BVV	4,065,413	

submit your log for the other fellow to get credit). Little harder to work the contest here than *VS6DD*. Also the 10 character callsign doesn't help... *WA5UKR/YV5*. Beaming Europe in heavy pile-up I was called by YB0 and ZS, 60 or 90° off heading. FB conditions... *SM4CGA/YV5*. Good conditions on 40 meters the first day, 2nd day storms and QRN. Good job with 2-el Quad... *CX4CR*. Only 194 duplicates HI HI. Where were the multipliers?... *CW3BR*. 363 days—10 meters closed; two contest days: 10 meters is alive! Once again thank you for the only

WORLD TOP SCORES

Single-Op All Band	PJ9CG	5,214,510	HC1BU	2,096,586	
	CT4AT	3,077,930	KP4EAJ	2,040,212	
	KC4AAC	3,066,516	HK4DF	2,015,246	
	6W8A	2,769,819	LU1BR	2,009,583	
	UB5WE	2,166,246	W1ZM	1,885,050	
28 MHz					
Single-Op Single Band	CE6EZ	356,312	CX4CR	363,110	
	CX3BH	251,416	VR3AH	308,750	
	LU8FEU	224,328	FP8AA	229,908	
	D2AFW	219,345	ZL1AMO	147,654	
	CE4EM	130,824	VE3EDC	133,496	
	PY2ELV	122,060	OH1IG	125,712	
	21 MHz				
	W3BR	1,094,767	EA8CR	200,850	
	YV2AMM	838,448	I3MAU	90,321	
	PY1ZBJ	806,108	VE7IG	72,860	
EA8JJ	608,076	W7KW	70,550		
HC2YL	505,336	W1CF	69,608		
CX4BD	449,412	K8INX	68,456		
14 MHz					
Multi-Op Single Xmtr	FY7AK	1,415,329	KV4FZ	37,584	
	PY4OD	1,022,028	VE3BMV	29,750	
	8P0A	890,320	K1PBW	7,280	
	K2IZN/4X	829,962	VE3BBN	4,884	
	YU2CDS	765,061	HK4EB	3,672	
	CX7BV	754,588	G3UBR	2,976	
	VP2G	5,886,500	UK6APA	3,348,150	
	4J9B	4,697,238	FG0MM	3,104,768	
	IG9PLN	4,016,432	DL0WU	3,056,760	
	1.8 MHz				
Multi-Op Multi Xmtr	VP5M	10,533,172	DL0PG	5,406,381	
	PJ0A	7,346,444	W7RM	5,137,431	
	DK0ZZ	6,658,943	W3AU	4,375,000	

really FB World Wide Contest. I've been a contester in this event since 1949—who is older?... *CX3BH*. Great event—maybe mono-banders and more height for next year... *9Z4NP*. Glad to join again, after so many years of QRT... *PZ1AH*. 1300Z Oct. 30th generator failed at our jungle center for 4 hours. *O335Z* Qct. 31st wife had a baby girl!!!... *OA8CG*. In June 1976 I had taken all the antennas and towers down and was getting ready to leave FY land for good. I had the TH-6 up four days before the contest and decided to go single-band twenty on the contest, thinking it would be a less tiring experience than the last two WW phone contests I had entered on all bands. It was not... *SY7AK*. This will be my last contest from HC-land as we will be leaving Ecuador permanently the 1st of March or thereabouts and moving to Hot Springs, Ark., on or about the 1st of May... *HC2YL*. Am pleased with my effort which represents 18 hours and 18 minutes of operation—Sat. and Sun. Was surprised when *EP2SV* called me. Had a very good time... *CE0AE*. Worked a 9Z4 station—to me that's an unknown prefix... *CE4EM*. As usual enjoyed working hundreds of W-stations in the pile-ups with their well known discipline. This way I worked an average of four per minute during more than an hour at the peak of conditions around 1800Z. This contest was great fun again, see you next year... *CE6EZ*. Curious: worked four calls (*DK0ZZ*, *DL0WW*, *DL0II*, *DL1EE*) all in Germany with double final letters, in two minutes only... *PY7YS*. We had very bad weather during the two days, and although the band conditions were real fine, the shortage of electrical power, due to the rain was the big problem... *ZY2JB*. It isn't easy to work with low power and dipole during the contest. Called *WA6EGL/VQ9* for 20 minutes without any station on frequency!... *PY7AZQ*. Happy to be back in the game after being off the air for five years... *PY2ZCL*. Many new prefixes to work in this contest. Enjoyed the contest, hope to do better in the next one... *LU7MAL*. Static from local downpour, 50 m.p.h. winds, lost the 75A-4 to a lightning hit, terrible QRN... *KV4FZ*. Better than last year's score, but still a long way to go. Hope to better my operating skills... *LU2DC/W4* (op. of *KV4JV*). Many hours of CQing with few responses. Going gets rough when you're north of 45 degrees... *FP8AA*. The log periodic was only up for the second evening. Next year we shall see... *VP2KF*. I had planned for a 1,000,000 point operation but the linear blew up after only 3 hours. Will be there next year... *KP4BDL*. Guess which weekend I had to work both Saturday and Sunday? Missed the 10 meter opening to Europe... *KP4DKX*. Must compliment W-K and VE operators compared to others on combination of quality receivers and self discipline. Unlike other areas they courteously stood by for exchanges... *YN1RWG*. Will sure not sleep 12 hours in a contest anymore... *FG7AS*. I am living close to *OX3JUL*... *OX3AB* (Ed. Note: Arne's only contacts were 5 QSO's with neighbor *OX3JUL* on 5 different bands. Therefore his score is zero). Getting my feet wet, will be ready for next year. Lots of fun... *H18MOG*. The band was completely dead from Oct. 31st. Not a single contact... *VE8NS*. Tnx to my boss *VE7DUG* who looked after an out-of-town job for me during the contest week-end and to my *XYL VE7DIO* for letting me use the station for the full 48 hours... *VE7AV*. Very bad conditions all through the contest due to severe northern lights. Skies were lit up all night and day. Too bad... *VE7DSR*. Here's hoping we did better this year. The 20 meter band conditions on the second day were very poor... *VE7BC*, operated by *VE7LB*. After trying for some time to pull my call through on 160m, *VP5M* offered to try again on Saturday night. Needless to say, he wasn't to be heard Saturday night. Rats!... *VE7AZG*. Had S9 power line noise level most of contest. Poor skip into Europe... *VE6MP*. Biggest thrill: being called by *JT00AQ*. VE4's must be in a black hole... *VE4MP*. Frustrating to hear east, west, south USA, Caribbean, S. America working Europe on Sunday. Band was completely out for VE4 to Europe... *VE4XJ*. Nice to smash my old record, but I think *KV4FZ* walked all over me. At least he had to take it more seriously. Must be nice to be in the middle of the Multiplier city. Missed number of them—TG, KL7, VP1, etc. Beverages really help. Too bad that W beverages were pulled off by friendly neighbor. Greatest contest, keep it that way!... *VE3BMV*. Best catch ZL1. Many new ones worked on this band 80 meters... *VE3ECP*. Hello again for another year. This time it is 40 meters where I found you have got to work for the QSOs in the daytime

(Continued on page 95)

Number groups after call letters denotes following: Band, (A-all) Final Score, Number of QST's, Zones and Countries. Certificate winners are listed Bold Face.

**PHONE RESULTS
SINGLE OPERATOR**

NORTH AMERICA			
United States			
W1ZM A	1,885,050	1470	106 344
(Opr. WA2CLQ)			
WA1STN	990,717	899	89 310
K1RQE	531,786	562	85 252
W1YG	336,996	584	67 207
WA1UAD	304,500	407	78 212
K1KNQ	197,010	358	47 151
WA1JZC	142,506	273	46 136
W1WY	114,995	230	64 147
AC1HWM	104,192	224	50 126
WHCO/1			
W100	100,100	200	49 133
K1GSK	99,456	258	42 106
AC1GPK	94,688	208	45 131
W1LQQ	77,953	216	37 100
K1HMO	76,987	179	44 123
W1BHH	70,700	160	51 124
W1HX	70,308	146	60 126
AA1FBX	48,125	151	31 94
W1SD	34,440	151	23 61
W1JAA	32,472	99	36 87
W1YLZ	21,150	97	27 67
WA1QNF	16,095	77	28 59
K5GDE/1	14,022	66	27 55
W1PLJ	3,800	37	12 26
WA1HFN 28	21,243	114	19 54
WA1JMP	5,984	58	12 32
W1FXD 21	158,796	427	26 106
W1YN	145,672	394	25 106
WA1SKV	44,175	174	20 73
WA1UZH	25,872	122	16 61
WA1RHA 14	255,505	652	29 108
K1KDP	172,323	484	26 97
WA1NKK	57,288	237	19 65
K1CSJ	38,850	135	22 83
W1OR	15,008	85	17 50
W1YRC	10,335	70	12 41
WA1HXH	3,416	41	7 21
W1CFX 3.8	69,608	305	21 67
(Opr. W1GQD)			
K1PBW 1.8	7,280	100	10 30
W1BB	42	4	3 4
W2GXD	A 1,382,193	1189	100 311
W2MHM			
K2FL	536,400	568	90 270
W2EHB	348,138	455	78 229
W2LYL	289,344	412	69 195
W2S2ZO	289,179	424	72 181
W2JJN	261,468	370	67 202
W2FZJ	233,000	343	81 169
W2CKO	205,410	331	61 185
K2GI	190,491	349	50 143
W2BZH	147,600	312	44 136
K2TD	122,008	242	54 148
W2LEJ	118,336	253	45 127
WA2AEJ	110,396	224	55 138
W1GKA/2			
AC2MB	83,028	205	39 109
W2RKK	82,440	248	32 88
W2LOF	61,457	171	45 106
WA2VYA	60,137	179	33 88
W2SGK	43,200	120	43 107
W2GKZ	38,794	129	30 89
AA2ZWH	38,600	138	25 75
AA2LJM	27,900	118	27 63
W22BW	10,164	66	22 44
AC2FGY	9,000	55	28 44
W2WCE	3,154	30	11 27
W2MKN	1,536	23	13 19
K9EGA/2	28	21,170	121 53
AA2LJM	192	18	6 12
W2HBT 21	191,252	494	29 108
W2FUN	80,736	256	25 91
AB2ZGI	78,698	259	22 87
WA2PAT	7,938	55	16 38
K2IGW 14	185,166	510	29 98
W2BA	84,240	290	22 82
W2CKR	33,046	144	17 65
W2PFO	9,861	64	17 40
K2RR 3.8	28,981	157	16 57
AA2AUB	5,550	64	8 29
W3GRF			
A 1,412,150 1099 104 359			
(Opr. K0DQ1)			
W3LPL	1,405,144	1072	110 362
(Opr. WA3HRV)			
W3BGN	1,133,412	980	98 314
W3KWB	396,603	445	92 241
AC3USS	380,250	466	85 240
AA3ATX	379,056	471	77 221
WA3VOP	365,250	556	68 182
WA3TZT	304,448	398	75 209
K3AWZ	302,700	391	79 221
WA3WRD	250,838	362	68 198
W3HMK	226,320	341	63 183
K3TGM	212,796	312	68 189
W3GID	206,793	319	60 183
W3GRS	204,424	304	63 190
W3KFQ	177,424	314	52 156

W3GZQ	175,380	298	66 171
W3KHB	153,463	239	48 148
W3AZ	141,276	274	48 145
WA3SZI	134,756	230	55 181
K3WOK	126,498	264	47 127
W3KV	93,886	227	42 115
W3ZPO	87,756	223	40 102
WB2HWH/3			
	86,286	218	37 109
W3ALB	83,790	233	33 93
W3YFV	80,311	204	39 110
W3KT	76,304	197	38 114
WB2JYM/3			
	75,835	169	50 121
W3OV	73,941	186	41 106
W3GU	63,600	162	48 102
K3AV	55,728	155	39 105
W3HVM	50,716	152	39 85
W3EVW	37,236	125	32 84
W3BB	36,480	134	27 68
W3KH	35,305	124	31 84
WB3BKD	23,822	119	23 63
W3GL	19,320	87	28 64
WA3DMH	14,364	84	21 42
W3KA	12,210	62	27 47
W3ETB	10,206	59	20 43
W3JPT	9,639	64	22 41
AA3UXP	9,522	53	21 48
W3ML	8,550	58	19 38
W1FLM/3	6,912	51	16 32
K2PFL/3	6,336	50	15 33
WB3EAG	4,329	37	12 27
K3LWM 21	117,132	327	26 103
W3ZNH	62,040	204	24 86
K3AIG	59,220	204	22 83
K3GYD	28,336	110	21 67
W3CRE 14	249,832	632	31 105
K3MBF	180,348	541	29 85
K3RS	102,660	311	28 88
W3IGQ	64,768	253	22 66
WA3VJU	59,168	234	22 64
W3CCQ/3			
	2,464	34	7 21
K3ZDL	825	19	4 11
W3SWF	3.8	10,927	94 11 38
AC3KMV	10,360	74	15 41
W3MSN	84	17	3 4
W4QCW			
A 1,161,204 994 102 316			
(Opr. WA82D)			
W4YWX	1,116,462	939	112 326
K4VX	1,010,100	826	107 337
K4YFQ	930,015	791	102 313
AC4WFS	746,242	772	86 267
W9MIJ/4	724,150	756	85 265
K5CIT/4	576,800	619	90 260
WA4TLB	574,620	591	89 277
WA4HFF	511,101	579	85 242
K4JWD	483,849	546	87 246
K4TBN	470,691	510	92 259
K4LRO	448,663	489	95 258
K4DJC	430,818	465	97 257
K4PQL	426,930	521	74 211
WB4DHO	401,380	488	82 223
K4SMX	363,216	407	95 241
WB4OSS	336,856	411	83 245
K4JPD	329,460	442	82 207
WA4GQJ	302,157	406	81 198
W4USN	297,960	427	63 197
(Opr. WA3FUV)			
W4LYM	275,652	380	76 203
K4EZ	272,084	386	71 200
K4DTD	223,000	334	64 186
K4KZP	213,600	343	66 174
WA4JW	204,092	355	65 194
W4DM	202,710	330	59 174
W4MWT	196,695	313	65 170
AD4BA	195,573	367	57 144
W4KNW	194,902	327	59 164
W4BV	172,938	284	64 182
WA4AZD	160,800	320	54 147
WB4KTR	159,094	266	56 155
W4ZSH	148,060	252	60 160
W8ALIB	147,260	279	58 127
W4PZV	143,990	250	74 168
K4WSB	143,736	264	67 145
AA4SHL	130,698	295	38 121
K4PHE	127,764	269	47 135
AB5QDW/4			
	108,864	226	55 134
K4UEE	108,273	211	62 131
WA4QMQ	102,718	240	41 120
WB4FSO	98,384	205	55 117
AB4FOT	89,784	199	51 121
W4WEG	79,180	194	44 104
WB4HNC	78,336	200	40 113
K4IZE	73,743	204	41 100
AB4OXD	71,557	168	47 116
W4GTS	64,800	163	46 104
W4IQ	53,568	147	37 107
WA4CGX	48,635	144	39 98
AA4TZM	48,510	147	30 96
WA4WFO	46,252	140	34 90
WA4CWU	42,012	145	27 81
K4KJK	32,445	118	30 75
W4BTZ	30,318	90	31 62
W4JVN	30,245	111	35 80
K4CDB	29,666	107	29 62
AC2GHK/4			
	28,997	106	31 76
W4KMS	27,642	104	35 67
W4DS	25,248	90	32 64
WA4BDE	23,460	97	28 64
W4TMN	20,358	101	20 58
AD4ZA	19,872	81	32 60

WA4GAB	17,910	73	32 58
W4VZC	15,260	80	17 53
K4OV	12,012	58	29 49
W4JHE	11,730	63	22 47
WA4NOX	9,792	52	28 44
AA4WCG	7,918	50	29 45
W4CF	6,608	46	18 38
WB4GHU	5,562	39	24 30
WA4MSX	5,406	46	16 35
AC4GKI	4,617	37	24 33
AB4WHE	2,255	29	18 23
WA0DGL/4			
	1,890	26	12 23
W4NT	1,350	18	12 15
WA4BDD	756	15	8 13
W4UPJ 28	12,006	83	15 43
AC4OZF	9,604	74	15 34
WA4EYX	8,802	66	13 41
K4YLL 21	303,170	738	30 112
AA4OSM	227,360	570	29 111
W8FAW/4			
	166,725	442	29 106
K4KJN	160,072	419	30 106
W4FDA	157,593	420	28 103
W4MII	141,830	389	28 102
(Opr. WB4PIP)			
K6SVL/4	109,616	314	24 100
K4SGL	87,040	244	26 102
W4WHK	37,344	145	24 72
K4OLQ	8,967	57	17 44
W4LBP 14	197,238	498	30 112
W4FBF	89,152	288	21 91
(Opr. WA4LB)			

W7CB/6	150,348	404	52	80	WA1KMK/7	7	6,750	127	7	11	WBQFOR	1.8	760	30	7	12	St. Kitts						JR3PUG	54,600	259	26	49
K6BR	143,055	333	55	98	W7KW 3.8	70,550	327	26	59	Alaska						VP2KAA	219,220	1,028	24	73	JA3RRN	52,207	221	29	54		
W6SC	141,303	275	75	126	WB6NRK/7					KL7HRCN	349,920	923	51	84	VP2KF	81,840	470	18	70	KA6JC	46,166	214	30	52			
WB6RIU	140,624	296	71	105	W7YN 1.8	15,080	114	18	40	KL7IRN	59,201	414	18	35	VP2KA 3.8	5,808	188	6	18	JG1ASX	43,875	217	27	48			
K6AHV	138,853	346	44	99	W8PSPD	557,004	604	90	259	KL7AF 3.8	25,270	300	15	23	St. Pierre Et Miquelon					JA1HFF	42,159	240	24	45			
W6ZCY	127,072	298	50	102	K81DE	461,538	543	85	248	Bahamas					FP8AA	7,229,908	1,015	18	80	JR2MHJ	40,390	207	26	47			
W6HXW	109,824	250	55	101	W8TWA	398,136	475	77	241	WB4ZNH/C6A	61,520	377	27	53	U.S. Virgin Is.					BA6FCG	39,168	199	25	47			
W6ZUM	106,020	240	68	112	K8VTO	363,768	494	76	200	Barbados					KV4JV	14,658,721	2,067	33	106	JA1GSK	33,668	162	29	47			
W6WUI	105,138	326	50	68	K8ZCTO	221,760	320	70	194	8P6A	14,890,320	2,432	33	122	(Opr. LU2DC/WA)					JH2WIC	32,802	180	23	43			
W6BJB	103,056	314	41	73	W8MPS	96,161	239	49	120	Belize					KV4FZ 1.8	37,584	380	11	37	JF1EEK	32,263	150	28	49			
W6ZHD	102,664	246	58	106	W8TMS	62,785	165	41	104	VP1MPW	807,312	1,601	82	160	AFRICA					JH3GRE	31,624	193	20	39			
AA6GLD	92,742	270	42	81	W8ASV	60,150	159	46	104	VP1PTL	14,264,888	1,305	25	79	Angola					JH3VED	31,360	159	29	41			
K6CN	87,910	225	60	89	W8KWC					Bermuda					D2AFW	28,219,345	714	25	80	JE2FTC	30,912	174	23	41			
W6VFK	81,789	224	50	87	W8KWT					W1HFB/VP9	1,808,576	2,069	90	277	D2ALB	21,11,308	87	14	30	JH3UBF	28,740	172	25	35			
AC6YKS	80,569	285	45	68	W8KWT					W4EV/VP9	745,425	1,580	69	156	JAGWSB	26,649	152	23	40								
K6OC	80,364	192	57	91	W8KWT					VP9AD	7,22,275	179	14	41	JH4JNG	26,564	163	21	37								
W6AB	74,841	272	42	59	W8KWT					British Virgin Is.					JH2VNY	26,390	165	21	37								
(Opr. WA6LRE)					W8KWT					VP2VDH	840,320	2,613	47	113	JF1XR8	25,599	175	19	34								
W6PRP	68,018	174	52	90	W8KWT					Canada					JG1UMO	24,123	196	16	27								
W6BZE	62,225	157	41	90	W8KWT					VE1AI	156,400	337	46	124	JH4BTX	23,972	159	19	33								
WB6UDM	59,717	172	50	83	W8KWT					VO1AV	109,200	240	45	130	JR2GMC	22,185	154	21	30								
K6DC	58,050	167	45	84	W8KWT					VE1EK	1,848	26	10	23	JABUBV	21,228	137	21	37								
W6IA	51,291	159	42	71	W8KWT					VO1IH	14,421,722	1,366	25	101	JR1RKB	20,090	108	25	45								
K6RR	44,850	138	54	76	W8KWT					VE1AIH	3.8	49,567	298	15	58	JH2HFD	19,260	118	27	33							
W6ZWK	43,500	142	39	77	W8KWT					VE1AWV	11,970	173	10	25	JH4MVB	18,786	117	23	39								
K6LLE	40,770	135	49	86	W8KWT					VE2AYU	200,450	444	50	140	JA7JND	17,556	140	16	26								
W6PZO	38,760	132	47	73	W8KWT					VE2MJ	2,550	28	11	23	JH3JWS	16,027	124	18	29								
WA6TLA	34,561	126	41	66	W8KWT					VE2WJ	273	9	6	7	JE3AVS	13,728	104	20	29								
W6EUM	34,085	153	32	53	W8KWT					VE3GCD	568,364	774	75	227	JA3DK	13,455	110	20	25								
K6BMX	31,209	116	40	61	W8KWT					VE3IXE	67,767	212	45	102	JR2JWC	12,716	100	15	29								
W6FOJ	23,660	93	33	58	W8KWT					VE3EJK	41,624	142	31	90	JASUSL	12,455	98	16	31								
K6DYQ	21,600	96	36	44	W8KWT					VE3EJF	11,765	68	17	48	JR3CVO	11,644	99	15	26								
AA6UFY	17,182	91	29	42	W8KWT					VE3BIF	28	375	10	7	JASREF	10,736	91	17	27								
W6CQ	16,748	79	29	50	W8KWT					VE3KZ	14,339,720	824	33	119	JABUXG	7,680	87	18	22								
AD6QPH	16,269	78	38	49	W8KWT					CF3VM	209,408	680	29	99	JA1OHZ	6,552	78	14	22								
WB6CQY	13,578	66	40	53	W8KWT					(Opr. VE3F2W)					JF1TAJ	4,590	90	7	10								
W6CLM	13,504	84	31	33	W8KWT					VE3PG	102,120	328	27	93	JH4WPL	4,186	58	11	15								
AA6TKT	11,704	77	25	31	W8KWT					VE3BSJ	74,865	237	26	89	JABBJ	3,410	55	9	13								
K6IXS	11,480	66	29	41	W8KWT					VE3EDC	7,133,496	886	19	55	JR3CVJ	3,388	42	11	17								
W6VG	11,316	64	34	35	W8KWT					VE3DUS	1,064	29	7	12	JASJK	3,159	45	12	15								
W6GKN	10,584	77	23	31	W8KWT					VE3ECP	3.8	39,000	387	14	38	JH4DVJ	2,712	44	11	13							
W6NKR	9,222	57	24	34	W8KWT					VE3BMV	1.8	29,750	449	11	23	JR2MBOJ	2,040	36	10	10							
AC6KYA	6,920	44	24	34	W8KWT					VE3BBN	4,884	210	4	8	JR3MKB	1,725	24	13	14								
WB6RMG	5,658	52	17	24	W8KWT					VE4RP	57,596	231	45	8	JH3BX	1,521	40	7	6								
WB6CUA	3,354	31	17	26	W8KWT					VE4VY	41,563	228	35	54	JA3BUB	1,452	46	5	6								
WB6BKN	3,230	35	15	19	W8KWT					VE4EW	15,052	95	32	39	JAROB	1,176	28	7	7								
W6SUJ	1,450	21	11	14	W8KWT					VE4XJ	14,75,210	300	27	82	JE3UET	1,122	35	6	5								
K6YFZ	1,350	23	12	13	W8KWT					VE4MP	38,070	177	27	67	JH2FHU	784	20	7	7								
W6OAT	1,260	14	14	16	W8KWT					VE4SK	28,875	172	25	50	EA3YIO	198	11	3	3								
W6EJA	819	21	6	7	W8KWT					VE4SN	2,691	30	14	25	JE3RFU	189	7	4	5								
K6TXA	484	11	8	8	W8KWT					VE4AA	24	2	2	2	JASFLU	170	9	5	4								
WB6CBB	290	12	5	5	W8KWT					VE5YA	6,036	225	36	67	JH2GMK	84	7	2	2								
WA6UAV	182	9	8	6	W8KWT					VE5XV	14,156,220	528	28	90	JAGYVF	24	2	2	2								
W6HX	28	20,150	129	16	W8KWT					VE6MP	305,844	974	42	79	JH6FI	6	1	1	1								
W6EKL	21	261,388	884	27	W8KWT					VE6WX	14,296,715	857	34	97	JH1CNT	14,240,711	816	33	70								
W6PLH	238,640	825	25	70	W8KWT					VE6GW	261,744	958	28	86	JASWS	11,280	381	33	71								
AA6DNM	218,295	800	27	72	W8KWT					VE6UX	221,865	859	27	78	JASKE	98,888	377	30	64								
W6WZO	163,830	649	23	63	W8KWT					VE6SL	77,760	393	26	54	JAYAL	83,224	299	34	67								
K6ELX	57,582	319	19	44	W8KWT					VE7BK	365,220	893	66	114	JAYJF	60,552	252	32	55								
W6WEL	13,878	96	17	37	W8KWT					VE7AZG	172,789	537	19	55	JAY9J	58,491	210	32	65								
W6NRR	9,625	99	14	21	W8KWT					VE7BC	14,672,150	1,855	36	114	JAY9V	55,353	252	30	53								
WB6UDC	14	199,940	535	30	W8KWT					(Opr. VE7LB)					JASTX	53,176	217	30	62								
W6GFC	131,312	399	29	87	W8KWT					VE7DSR	220,206	766	28	79	JAYDXD	45,280	195	29	51								
W6OK	43,320	202	22	54	W8KWT					VE7AV	192,416	687	29	83	JAFDTY	40,240	180	30	50								
W6FF	24,360	111	23	61	W8KWT					VE7DEW	100,254	396	27	66	JF1INA	37,050	172	31	47								
W6EUF	18,827	100	25	42	W8KWT					VE7AJ	1,248	18	11	15	JAFIJ	35,126	137	31	60								
AA6FIT	9,308	67	18	34	W8KWT					VE7IG	3.8	72,660	516	23	47	JACMD	34,748	184	26	42							
W6BXC	3,510	34	16	23	W8KWT					VE7CGY	36,162	348	17	32	JABUI	31,558	161	25	37								
W6QDE	496	13	8	8	W8KWT					VE8NS	21,486	56	15	20	JARBFV	31,220	160	25	45								
AA6EPO	7	74,100	355	25	W8KWT					VE8RO	14,400	77	13	12	JG1UNF	26,622	160	23	35								
WA6OOL/6					W8KWT					ZF1WW	1,078,365	2,580	66	135	JAZJNS	26,077	106	31	58								
K6EBH 3.8	21,783	153	18	35	W8KWT					ZF1AK	135,125	502	42	83	JAGYVF	25,706	137	24	45								
W7JST	1,678,586	1,463	116	285	W8KWT					H8MOG	1,184,330	2,111	68	177	JA4GXS	22,854	133	24	45								
WA7WXY	978,117	1,066	96	233	W8KWT																						

SM7DBA	546	13	8	6	UA3IAM	1,325	23	11	14	OCEANIA				Paraguay	372,404	1,144	51	106	Bahama Is.	
SM9HTO	28	252	17	4	UA1JLM	924	26	6	15	Australia				Peru	481,579	1,592	91	276	Canada	
SM7HSP	240	11	6	9	UA6LBC	18,467	183	15	44	VK2XT	413	59	103	OA4AFP	43,358	398	15	23	Canada	
SM9FO/0	21	71,912	364	22	RA3DFN	7,840	100	13	36	VK5MF	68,220	265	36	OA4AHC	30,334	187	16	42	WBOSMS/V01	
SM5HPB	17,372	155	15	28	UA4CBO	6,532	74	15	31	VK4UA	32,148	197	30	OA4AHA	14,622,790	1,382	36	119	214,054	
SM7FSV	4,840	50	15	29	RA3AKX	5,588	77	13	31	VK6NE	69,207	375	22	OA4ALP	7,516,753	291	19	46	140,760	
SM9BYZ	2,923	52	10	27	RA3ALQ	5,304	89	12	27	VK3SM	26,730	169	20	OA4HVR	3,823,698	203	16	25	131,274	
SM2HZQ	646	32	6	13	UA3AIO	2,407	63	7	22	VK6CT	14,431,001	996	36	PZ1AH	3,318	121	39	55	2,285,088	
SM7DMN	14	125,116	527	32	RA4HDE	2,240	39	11	21	VK3BH	251,199	745	34	9Z4NP	1,734,297	2,168	80	197	61,985	
SM3DSP	115,855	596	28	76	UA6AGZ	2,160	31	15	25	VK5LU	12,000	69	25	3CX3B	28,251,416	973	21	67	5,886,500	
SM4AQD	97,337	521	27	82	UA3QBG	1,978	58	6	17	VK5RX	1,218	29	14	3CX5C	108,927	657	18	39	3,104,768	
SM5MCP	70,500	494	22	72	UA6AEH	1,612	40	4	23	FO8GC	A 267,424	779	50	3CX2AQ	74,340	399	21	42	2,260,936	
SM5WC	16,416	97	21	55	UA1AKL	90	6	4	5	AG6JFY	A 1,212,822	1,966	84	3CX3BR	48,328	299	20	36	2,609,346	
SM7AIO	12,308	107	20	48	UA4RZ	21,376,515	1,137	31	104	AG6JEE	A 1,212,822	1,966	84	3CX4BD	1,094,767	2,697	29	108	1,875,000	
SM7FYM	6,026	51	14	32	UV3CE	217,398	904	28	86	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	449,412	1,513	25	77	5,886,500	
SM5GA	5,026	73	11	26	UW6DR	89,910	656	19	55	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	3,104,768	
SM5FTH	5,092	66	12	26	UA6BV	29,889	232	22	59	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
SM5E00	4,280	80	12	79	UW1LY	10,428	203	12	32	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
SM9BVQ	1,113	31	7	14	UV3GZ	5,992	140	10	36	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
SM4CAN	7	46,899	467	18	UA3EQ	6,357	90	11	28	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
SM6AJU	46,200	401	18	66	UA6HG	3,364	110	5	24	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
SM5CSS	3,008	91	6	26	UW1AE	122,385	624	32	91	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
SM2DMU	3.8	19,264	252	15	UA4ACG	115,254	588	31	83	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
HB9ZE	A 262,200	592	53	175	UW4AN	100,741	567	30	78	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
HB9ALJ	57,105	182	45	96	UV3HV	80,478	644	24	78	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
HB9BGJ	55,286	211	48	106	UA1MU	76,900	440	28	72	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
HB9AYZ	19,758	189	21	53	UA4FAT	43,351	334	23	54	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
HB9DX	21	18,914	80	24	UA3GBI	27,755	203	20	55	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
HB9UD	14	966	22	7	UK3DBA	5,217	41	20	27	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
HV3SJ	A 58,421	344	35	78	UA3GM	2,838	47	12	21	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
GW3SLA	A 74,947	377	34	115	UA4CAH	2,430	51	8	22	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
GW3GHC	28	9,460	95	13	UW6CV	1,114	41	5	21	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
GW3MPB	21	9,151	77	20	UW6CD	630	16	7	14	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU1GMN	A 186,813	456	51	136	UV3FD	15,080	190	15	43	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU3TJA	181,584	417	63	171	UA4ACD	1,475	43	6	19	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU4LJM	26,320	250	16	78	UA3XAW	42	7	3	4	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU101W	9,198	88	22	41	UA4PW	18,669	240	11	38	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU3TPM	28	46,659	231	24	UA3PBZ	14,352	237	10	38	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU2RBY	21	442,898	1,181	34	UA4UAZ	10,620	162	10	35	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU4EXA	165,880	585	32	98	UA6CO	8,600	166	8	32	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU10BA	141,876	506	32	94	UA4FAU	7,416	147	7	29	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU2CRS	101,430	395	27	87	UA2EC	A 62,976	238	45	119	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU5CYZ	32,688	275	20	52	UA2DM	38,280	185	34	98	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU2CHI	22,796	113	26	56	UA2WJ	112,592	494	30	94	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU2CBK	17,040	87	23	57	UA2FBZ	42,930	315	22	68	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU1INW	13,050	118	17	41	UN1CC	A 32,542	215	29	77	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU2CDS	14	765,061	2,050	37	UO2GDO	A 233,818	800	54	167	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU1ABF	329,465	1,413	34	97	UO2IL	29,252	219	27	78	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU1INP	225,060	823	32	100	UO2DV	23,956	166	31	75	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU2CAY	7	32,361	362	14	UO2HO	12,222	107	16	47	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU3DRM	5,586	124	7	31	UO2MU	3,422	55	10	19	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU1EXY	3.8	47,500	483	17	UO2CR	14,740	129	8	34	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU2CBM	27,404	303	13	49	UO2GCN	7,208	389	8	40	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU2DB	23,184	317	11	52	UO2GFN	3.8	7,752	220	5	29	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936
YU4YBR	16,848	308	10	42	UP2SA	A 636,675	1,044	80	245	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
YU1SF	840	40	4	17	UP2OU	525,600	1,127	80	220	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
USSR					UP2BAR	345,840	873	70	194	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
European Bvelo					UP2OM	159,367	611	44	125	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
UC2ABT	A 204,240	659	53	177	UP2BAT	90,270	349	48	122	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
UC2AF	1,131	23	11	18	UP2AV	1,768	53	20	24	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
UR2REN	A 294,872	796	61	171	UP2FA	21,206	45	9	18	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
UR2QD	218,685	642	46	137	UP2BAZ	4	2	1	1	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
UR2TAX	28	6,080	109	10	UP2BAO	7	224	16	10	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
UR2JL	3,471	67	11	28	UP2ER	25,896	440	9	43	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
UR2REC	960	27	8	16	UP2BW	20,010	415	8	37	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
UR2RJ	21	19,176	143	16	UP2BDH	6,528	207	5	28	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
UR2DW	14,136	148	16	46	UP2BFB	3,892	134	5	23	KG6JEE	A 1,212,822	1,966	84	3CX2AQ	74,340	399	21	42	2,260,936	
UR2Q1	14	182,000	886	33	UO5GCE	28	14,000	198	13											

Results CQ W.W. DX Phone Contest (from page 24)

where I thought it was going to be easy. Calling CQ and working 10-15 an hour can be very arduous but it was all worthwhile. Happy to get new prefixes for WPX. 805, AY2, CT9, 4J9, and 10 new countries for 5BDXCC...VE3GCO. Not geared up for this era of amplifiers, beam antennas, etc., but participated in my small way as I have been doing since CQ WW first started. That is close to 30 years now as I have certificates from the late 40's. Over 70 years old now...VE1EK. Other operators: Lizard, mosquitos, crawly bugs and a stray rat. Had great shot to USA but was blocked by 1500' mountain to Europe, S.A., Africa. Was surprised how well a small station gets out, but guess the call helped...VP2VDH operated by K6SDR. Biggest thrill: Contacting W7OK on 28 MHz. For Nevada, last continental state for 5BWAS after trying for 9 months. Still need Alaska on 7 and 28...W4EV/VP9. This was my first contest and as one can imagine, as a beginner I experienced a few frustrations like two or three stations trying to work me at the same time. All in all I thoroughly enjoyed the contest and now have the fever!!!...VP1PTL. Personal satisfaction from completing 5BWAC with Europe on ten. Getting ready for CW spread. 300 watt limit sort of squeezes us between the US and SA QRO guys...VP1MPW. (Ed Note: Mark, your log and checksheet were beautiful, nice going.

Many thanks for nice contest...VO5ODX. Had to play two Basketball games that weekend...UP2PX. A nice contest with so little power, especially on EU-80 meterband...UR2CW. Nice conditions during first day on 21 MHz to Central America and USA. VP5M and W2PV coming in 9 and 40 to 50dB...UR2RJ. It became difficult to break through Europeans on 20. Enjoyed 10 meters after a long time...UB5WE.

I really enjoyed competing against JA2JW and JH1ECG in the contest. Both are good friends of mine...JA1KSO. Before the contest, my antenna broke because of strong winds, so...JH0BQJ. No contacts on 1.8 because we are only authorized c.w. operation on that band. Biggest surprise was to have OH1AA

(Continued on page 96)



GREGORY ELECTRONICS
The FM Used Equipment People.

6 METER F.M. SPECIALS

G.E. MA/E13. 40-50 MHz, 6/12 volt, 30 watts, vibrator power supply, transmitter narrow band, receiver wide band. A complete unit, not operationally checked-out, less accessories, shipping weight 45 lbs.



W 14", H 6 1/2", D 15"

\$28⁰⁰

MOTOROLA T51G series, 40-50 MHz, 6/12 volt, 50 watts, vibrator power supply, transmitter narrow band, receiver wide band. A complete unit, not operationally checked-out, less accessories, shipping weight 60 lbs.



W 15", H 6", D 18"

\$18⁰⁰



GREGORY ELECTRONICS CORP.
243 Rt. 46, Saddle Brook, N.J. 07662
Phone: (201) 489-9000

Results CQ W.W. DX Phone Contest (from page 25)

Germany (FRG)			SP9ZAZ	19,404	228	18	59	UK3AAC	173,720	480	59	113	UK5IAN	95,265	477	36	109	EUROPE		
DL0WU	3,056,760	2,353	113	391	SP9KDC	6,435	112	11	34	UK4PAA	160,476	604	43	129	UK5LAS	48,700	377	20	80	Germany (FRG)
DL0KO	1,168,297	1,385	101	302	SP2ZHB/2	506	14	10	13	UK4ABZ	133,132	554	46	120	OCEANIA					
DL0JK	968,506	1,252	86	245	Scotland				UK6AJA	112,644	533	39	110	Western Samoa						
DL0UE	757,008	1,010	87	249	GM3ZRC	82,502	340	37	105	UK4NAA	89,600	340	41	99	SOUTH AMERICA					
DL6OL	452,445	903	62	155	Sicily				UK6YAB	59,456	303	28	91	Argentina						
DL8DC	433,152	761	63	193	IG9PLN	4,016,432	3,185	99	337	UK3IBA	49,995	356	30	71	AY2DNC					
DK0KU	399,006	735	70	173	Sweden				UK6LAI	43,500	283	28	72	1,421,880 1,991 79 167						
DK4CL	307,008	617	68	140	SK3AH	518,400	832	76	248	UK4AAB	32,334	260	26	76	LU1D 1,024,479 1,338 86 181					
Hungary				SK5AA	318,045	936	62	171	UK4YAN	29,928	249	24	63	BRASIL						
HA5KFN	891,408	1,425	85	251	SK2AU	208,222	609	60	154	UK6AAJ	25,990	99	42	71	PY3AHS 1,450,185 1,897 68 187					
HA7KLG	823,037	1,377	81	212	SK6JZ	73,931	337	34	87	UK3WAC	17,425	130	27	58	PY1DBE 147,672 404 42 84					
HA9KOB	717,355	1,696	68	197	SM5AZU	63,840	237	43	117	UK3DBE	11,163	132	13	48	Multi-Op. Multi-Xmtr.					
HA5KCC/5	630,921	1,267	71	196	<i>(Ops.: SM5AZU, SMOATN, SMOMC)</i>				UK4YVY	10,797	156	16	45	NORTH AMERICA						
HA4KYH	466,932	903	61	172	SM5DLR	37,407	251	29	82	UK3ABO	10,624	115	17	47	U.S.A.					
HA6KVB	270,053	831	60	163	SK6HA	25,482	234	28	65	UK3IBB	5,490	99	12	33	W7RM 5,137,431 3,602 137 370					
HA2KRL	262,008	809	58	156	Wales				UK4SAM	4,662	95	8	29	W3AU 4,375,000 2,500 141 484						
HA6KNB	197,632	590	52	141	GW4ENT	1,337,700	1,800	93	271	UK4SAC	1,100	18	10	12	W2PV 4,276,140 2,878 125 445					
HA6KNI	160,512	675	43	135	GW4FCG	174,303	594	45	136	Latvia				W3WJD 4,159,205 2,446 137 476						
Italy				YU3CM	519,777	879	78	200	UK2GKW				K2GM 4,144,280 2,667 129 445							
II1GJC	2,069,188	2,066	104	303	YU2CB	228,912	553	68	182	1,373,314 1,813 91 276				W4BVV 4,065,413 2,422 141 476						
II1KN	1,311,095	1,484	89	284	YU6KOP	126,707	496	46	115	UK2GDZ				K6BCE 4,065,057 2,995 140 349						
II3AWW	1,108,100	1,385	99	251	YU2AAU	59,568	244	45	101	UK2GCF				WB500E						
II4FGM	933,488	1,289	88	240	U.S.S.R.				UK2GAB				K6RR 2,033,890 1,895 118 252							
I0GPP	475,236	889	79	228	UK2AAA	246,654	859	50	163	1,373,314 1,813 91 276				W3FRY 1,956,020 1,408 123 400						
I05AT	413,750	1,280	59	191	UK2WAO	103,917	557	31	110	UK2GBA				W3BWZ 1,876,672 1,368 117 380						
I4IEK	376,774	937	59	147	UK2ZAB	6,251	120	10	37	UK2GAG				W3GM 1,726,263 1,184 115 402						
I.T.U.				UK2RAH	7,248	73	17	31	Lithuania				W3DHM 1,392,147 1,113 105 354							
AU1ITU	658,735	1,199	78	240	Byelo-Russia				UK2BBB				K4CG 949,554 886 101 325							
Leichtenstein				UK6GAP	3,348,150	3,020	118	324	1,352,792 1,910 93 299				W3FA 943,138 860 95 311							
HB0BHA	1,976,850	2,375	84	257	UK6LAZ	1,809,625	1,912	112	355	UK2PAC				K2CW 655,161 716 72 249						
Luxembourg				UK3SAB	1,411,594	1,923	89	273	UK2PAG				W3TV 493,986 554 88 246							
LX1ML/P	68,634	369	32	97	UK4HBB	900,055	1,454	77	228	UK2PAB				K3WX 236,586 346 71 187						
The Netherlands				UK4WAB	753,984	1,396	68	204	UK2PAB				Canada							
PA0SMK	357,205	863	53	146	UK3AAI	661,168	1,178	84	259	UK2PAB				VE3DU 3,025,269 2,777 109 250						
P1IARS	93,168	359	37	107	UK6LAA	510,160	1,169	70	210	UK2PAB				Turks & Caicos Islands						
P1IPT	18,130	240	13	36	UK30AA	459,008	1,046	68	188	UK2PAB				VP5M 10,533,172 7,783 136 462						
Norway				UK3DGB	374,768	849	63	168	UK2PAB				ASIA							
LA5X	914,228	1,562	78	239	UK30AE	326,040	910	60	190	UK2PAB				JA3YKC 1,432,860 1,518 117 217						
LA1K	478,136	1,132	62	174	UK6LKA	307,655	838	50	135	UK2PAB				JA3YDS 1,015,881 1,258 99 192						
Poland				UK3DTH	246,566	688	58	168	UK2PAB				JA7YRR 717,656 1,149 82 136							
SP5PWK	925,143	1,208	98	261	UK4LAC	198,744	588	49	133	UK2PAB				JA1YXP 251,658 571 73 113						
SP9KRT	248,210	1,042	55	164	European Russia				UK2PAB				JA4YBU 245,824 498 67 117							
SP9PDF	278,913	785	64	175	UK30AB	374,768	849	63	188	UK2PAB				JA2YEF 239,232 492 70 108						
SP9PTC	150,722	649	48	139	UK30AC	326,040	910	60	190	UK2PAB				JA8YAU 183,456 465 58 89						
SP9PTR	50,440	268	35	95	UK30AD	326,040	910	60	190	UK2PAB				JA1ZLO 137,920 308 67 93						
SP5KOH	24,726	306	16	62	UK30AE	326,040	910	60	190	UK2PAB				JH1YDT 103,600 378 41 71						
				UK30AF	246,566	688	58	168	UK2PAB				JA6YBR 82,832 250 50 74							
				UK30AG	246,566	688	58	168	UK2PAB											

Results CQ W.W. DX Phone Contest (from page 9)

answer my CQ on 80 meters. I almost didn't go back to my call . . . KA6YL. Fine opening! I worked 6 continents in a day . . . JH3UBF. There is a 500 watt station just 80 meters from my house, so I'd like to move somewhere to a better location next year . . . JE1XRZ. I worked my 100th country. It's remarkable! Very nice contest. . . JJ1EEW. I was glad to QSO with two new countries during this contest. . . JR2AQP. Very glad to work first 5W1 and YB. . . JA1DSI. The antenna rotor went wrong at 0630Z. . . JA1HVS. Last year, 200w; this year, 100w; still weak in pile-ups. Need more power. . . JF1INA. First time in the WW contest. Would like to be QRV every year. . . JG1BUB. I could receive all of the stations from the West Coast 5-9 + 30 or 40 dB. So strong, we couldn't even make local QSO's, hi. . . JE1BSD. There were lots of pile-ups of JAs on many frequencies. . . JE3UET. Never say die, apartment dwellers! I got this score with my miniature antenna, no beam. . . JF1XRB. Rotator locked up. . . KA6JC. I want to have many more QSOs with EU stations next year. . . JH4IFF. Much fun to confirm DXCC on 14 MHz during this contest. . . JA9MYR. I got nine new countries in my first experience to join the big contest. . . JA7CLM. I want 80 meter beam antenna. . . JA4BK. Think you should list KA scores with JA scores instead of separately, as we are all in the same country and operate under the same regulations. . . KA6DX.

STATION OPERATORS

Multi-Operator Single-Transmitter

AA1SQB & KH6HQQ, WB8PBC, WA2GBC, WB2CHO, AB2YKJ & AB2SJK, AA4AXT & WA4WKY, AA4LZR: Club. AA4UFW & AA4MFK, AJ4EAS & K4EBC, KP4EBV, KP4ECH, KP4EDX, KP4EEY, KP4DSD, AY2DNC & LU6EF, K4IIF/C6A & WA4RVC, W6KG/AJ3 & W6QL, D6JOL & DK5HH, DK4CL & DK8DB, DK8DV, DK6TU: Club. DL8DC & DL8HA, DL8CM, DL8CH, DL8JK: DK2XX, DK6FT, DK8Z, DK8ZL, DF2FK, DL8KO: DL7JP, DL7SP, DL7RT, DL7KT, DL7RV, DC7CW, DL8UE: DL3LU, DJ4GO, DL8RL, Haugrund, DL8WU: DJ4AX, DJ8SW, DK4EM, DK4TP, DK5EZ, DK8EQ, DL9DY, DM2BHC & DM2BGC, DM3SIC, DM2DUK & DM2AYK, DM2CEK, DM3MJ & DM3VMJ, DM3WMJ, DM3RF: DM2BRF, DM4WFF, DM4CO: DM2CUO, DM2CYC, DM4UCO, DM4ZCO, DM4HJ: DM2AUJ, DM4ZHJ, DM3ZCK, DM6AJ: DM6MAJ, DM6BJ, DM6GAJ, F6KBU & F8TM, F6MNM: WA1JKJ, WA1JYJ, F6DXY & F6BDH, F6BCXV/FS7: F67AR, W4GSM, WA4DUS, W4PPO, G2ASF: G2FTK, G3FOH, G4CFG, G4DSF, G8DMI, G3FVA: G3VWZ, G3FNM, G3SVW, G4AUR, G3VIV, G3WFT, G3LNS & G3KDB, G3RCV: G3RZP, G3XMD, G3ZAY, G4FAM, G5JC: 10 Operators. G5ZRC: G3MLRG, G3MHZN, G3MLYI, G3MXNJ, G4WENT: G3WNWS, G4BLE, G4EXM, G4WFCG: G3WXNS, G3W3JO, G4EVN, H2AKRL: Kubola, Kum Pecusavac, Tar. H4AKYK: HA4YO, HA4YQ, HA4YL, HA4YX, Harsanyi, H4SKFN: HA5HY, HA5FN, HA5GF, Szeen, Horvath, Srdlar, H4SKRC/S: HA5MD, HA5MO, HA5MA, H4AKNB: HA6NN, HA6NP, HA6ON, HA6OR, HA6NZ, H4AKNI: HA6OH, HA6-073, Denes, Tozser, Habony, H4AKVB: Kulcsar, Suszter, Simon, H4TKLG: H-7015, H-7032, H-7033, H-7079, HA7MO, H4AKOB: HA9PV, HA9RB, HA9RU, Laki, H4B8HA: DJ2EH, DJ4FX, DK7NM, DK9NV, DL8NE, DK6NN, HB98HA, W6QFB/HR2 & KOYVR, I1GJC & I1ANF, I1DSC, I1GUB, I1PCT, I1RBP, I1VVZ, I1UW, I1KN & I1FNX, I1ANP, I1SBU, I1LBH, I1W1PDP, Lorenzelli, I3AWW & I3AWK, I3FGX, I3RDU, I3MMY, Mario, I4JEK & I4DZ, I4NLO, I4OMO, I4MNY, I4XTD, I8GPF & I8PNJ, I8GPY, I5AT: I2TIG, I2TUJ, I2BJS, I5WWW, I2AT, I9GPLN: I6FLD, I6PLN, I6IJ, I7PUG, I7SNO, I7RZG, I14FGM & I4USC, I4LEC, I4RYC, I4VEO, J11YFE: Club. JA2YFC: Club. JA3YBF: Club. JA6YDH: Club. JA7YAA: JA7LUR, JA7LUM, JA8FTW, JA7KPK, JH2DVX, JA7YFB: JA7LPL, JA7UMD, JA7IBJ, JE1YTF: Club. JR3YDA: Club. K1R0F & W1DKU, K1VBL & W1AIBW, W1A1GUO, W1A1LNH, K1CGJ, W1A1RPO, K2BMI & W2R2WY, W2W1DC, K2GAT: W2AFQE, W1A1RY, W1A3YB, W1A1UPF, W2PTW, W2A: WA2UOA, WB2DGH, WB2SNYK, K3AVT & W3KOC, W3ALQ, K3BNS & W3BKVA, K3GJD & W3AVN, W3AVU, Repeater, K4BGF & W4EDD, K4EG & W4ACA, W4ABHQ, W44FFW, W44VHE, W4AKAW, K4NV, W4ASGB, K5PFL & W5SQW, K5KYU, K6HII & W6DGO, K6MA & K6YGS, K6QZ/5 & K6OX, K6ZM & K6RM, K6VY, K7RSC & W7YTN, W6GQI, W7UQG, LA1K: LA3BO, LA4CQ, LA5CT, LA5KO, LA5MK, LA6MF, LA7DS, LA7OU, LA9KL, LA9ST, LA5X: LA1EC, LA1SL, LA3RT, LA3TK, LA6JG, LA7XK, LA9DL, LA9ZO, LX1ML/P: LX1ML, LX1HP, L2KK7: Dnn, Nien, Chris, Dimiter, LU1D: LU3DGX, LU9DVA, LU16DDZ, OE4SZW & OE3GSA, OE7UJ, OH2AA: OH2HR, OH2TW, OH2BKH, OH2BNP, OH2AG: OH2KQ, OH2SS, OH2LU, OH2BFJ & OH2BQA, OH2EQ, OH2LP, OH2TI: OH4SF, OH6IJ, OH3EW & OH2BHL, OH2BHN, OH2BMO, OH2DS, OH2UJ, OH9DZ: OH5MJ, OH3ZK, OH1KCU: Club. OH1KOK & OH1-15088, OH1-11861, OH1KSL: OH1FAK, OH1AHG, OH1KSO: OH1WT, OH1SF, OH1ADH, OH1AMF, OH1JWA, OH1AEZ, OH2KOS: OH2HZ, OH2ZR, OH2SIR, OH2AOP, OH2BU, OH2SSS, OH3KJL: OH3CKY, OH3TAY, OH3JUL: OH3CS, OH3RA, OH3PN, OH3XM, PA8SMK & PA6SP, PA8OKE, PA1ARS: PA0HT, PA0GUN, PI1PT: Club. PY1DBE & PY1GHP, PY1BAR, PY3AHS & PY3APH, SK2AU: SM2DQS, SM2DYS, SM2BNS, SM2GYZ, SM2ALV, SK3AH: SM3AFT, SM3AJL, SM3COL, SM3FUA, SM3PZ, SM3RL, SM3EAP, SK5AA: SM5FUG, SM5EOS, SM5ACQ, SK6HA: SM6HLZ, SM6HD, SM6HE, SM7FCG, Roger, Lars, Siv, SK6JZ: Club. SM5DLR & WB4NDR/SM5, SP5KOH: SP5VUJ, SP5GNG, SP5GNI, SP51XE, SP5PTR: SP5ENM, SP5GMW, SP5PKW: SP5DZJ, SP5DZL, SP5BSV, SP9KDC: SP91FQ, SP9-2291, SP9KRT: SP9HMF, SP9FKQ, SP9HNB, SP9-2854, SP9PDP: SP9BMQ, SP9DFH, SP6FIH, SP4FUY, SP9PCT: SP9PEF, SP9CTY, SP9ZAZ: SP9-3051, SP9HZZ, SP9IFD, SP9ENC, SP9BVZ, SP9-3020, SP9ECB, Wtdzimierz, Bogdan, Mariusz, TG6AA: TG9MP, TG9VZ, TG9KU, TG9HZ, TG9GI, VE2AQS, YS1MAE, UK2AAA: UC2-9-357, UC2-6-42, UC2ACA, UK2AAB: Kcnopelko, Krushinsky, UK2BAG: UP2BAA, UP2BAE, UP2-BZ, UP2MC, UK2BAS: UP2PAJ, UP2PAO, UP2-38-609, UK2BBB: UP2BBB, UP2-BAS, UP2-38-517, UK2GAB: UQ2-37-155, UQ2-37-29, UQ2-37-31, UK2GCF: UQ2-37-76, UQ2GGB, RQ2GEE, RQ2GEF, UK2GDZ: UQ2GA, UQ2-37-27, UK2GKW: UQ2ON, UQ2-37-83, UQ2OC, UQ2-37-1035, UQ2RJ, UQ2PAD: UP2BCT, UP2-PAO, UP2PAV, UP2PCI, UK2PAC: RA8ADC, UP2-38-574, UP2-38-624, UP2-38-1524, UK2PAP: UP2OX, Abramavichius, UK2PAT: UP2-38-521, UP2-38-603, UP2-38-599, UK2PBK: Arunas, Arvydas, Juazas, Valius, UK2PCC: UP2NK, UP2BCI, UP2BCR, UK2PRC: UP2BDI, UP2-38-665, UK2RAH: Viskov, Laanepera, UK2WAO: UC2WAE, UC2WAS, UC2WAN, UK2WAR: Sokolov, Guga, Stracholes, UK3AAC: UA3AGX, UA3HK, UA3-170-954, UK3AAI: UA3-170-1091, UA3-170-389, UA3AFO, UA3AJA, UK3ABO: Zaushitcyn, Shablygin, Beliakov, UK3ACR: Shkodkin, Motyakov, UK3DAH: Urzhumtsev, Ponomarev, Baranov, Eliseev, Kosarev, UK3DBE: UV3DN, UA3DAC, Evov, UK3DBG: Voronin, Bzuk,

Vorobij, UK3IBA: Kantor, Chuhachev, Berezkin, UK3IBB: Club, UK3QAA: UA3QCR, UA3QDW, UA3QBS, UA3QCU, UA3QFG, UK3QAE: UA3QO, UA3QBJ, UA3QDC, UA3-121-831, UK3SAB: UA3SAQ, UA3SXB, US3SCR, UK3TEF: Zinchenko, Sidorov, Kuznetsov, UK3WAC: Borisoglablski, Hardikov, Pikkiev, Basov, UK4AAB: Grichin, Kiselev, Hudykin, UK4ABZ: Martchenko, Ivaneev, Puzin, UK4HBB: UA4HBW, UA4HCW, UA4-133-92, UA4-133-32, UK4LAC: UA4-164-175, UA4-164-212, UA4-164-213, Zotova, UK4NAA: Vasilev, Kozoderov, UK4PAA: UA4-94-388, RA4SAK, UA4-94-457, UK4SAM: Raspov, Andanov, Bachtin, UK4WAB: Boris, Vlad, Gene, UK4YAN: Aljakin, Pavlov, Alexandrov, UK4YYY: Leontyev, Djablov, Filippov, UK5EDB: UY5RT, UB5-60-1376, UB5-60-1218, UK5HAA: Budanov, Menuilo, Kulichin, UK5KIAN: UB5-73-172, UB5-73-172B, UB5-73-2584, UK5IAZ: UB5IDZ, UB5-73-202, UB5-73-342, UB5-73-1151, UB5-73-1277, UB5-73-1757, UK5LAS: UB5LYL, UB5-77-604, UB5-77-603, UK5MAA: UB5MCI, UB5MGY, UB5MDA, UB5MDD, UK5MAF: UY5LK, UB5MDC, UB5MAK, UB5-59-22, UK5MAG: UB5MPF, UB5MDL, UB5MDP, UB5-59-121, UK5QAV: Dedysh, Shakhmatov, Zlenko, Timirov, UK5QBE: Club, UK5WAA: UB5VAD, UB5WAL, UB5-68-243, UK5WAZ: UB5-68-436, UB5WAO, UB5-68-395, UK6AAJ: UA6-101-60, UA6-101-720, UA6ADU, UK6AJA: Babenko, Zhizov, Dubogryzov, Bezezhnyov, UK6AJN: RA6ALE, RA6ALO, UK6APA: UA6APP, UA6APV, UA6DL, UA6-101-89, UK6FAC: UF6FCR, UF6FCX, UF6FCZ, UK6LAA: UA6LBQ, UA6LED, UA6LEW, UK6LAI: UA6-150-78, UA6-150-789, UA6LAS, UK6LAZ: UB5-73-1024, UA6-150-262, UB5-60-650, UA6-101-152, UB5-73-113, UB5-73-470, UK6LKA: UA6LLT, UA6-150-331, UA6-150-330, UK6QAA: Valery, Bobrov, Serge, Pavluchenko, UK6YAB: Grechnikov, Kuznetov, UK7AAF: Vachestlav, Dokudovskii, Alexandr, Saschenko, Nick Piatahin, UK7LAF: Petrovich, Piktovorich, Borisovich, UK7LAH: UL7LEZ, UL7-26-177, UL7-26-199, UK8BAJ: Zemskov, Kholodov, Solokousov, UK9ACP: UA9AAP, UA9ACO, UA9AFO, UA9AGY, UA9-165-797, UK9HAF: Komzuyk, Dedvinn, UK9QAA: RA9QAQ, RA9QAX, RA9QBE, UA9RR, UA9-134-11, UK9WAP: UA9WAC, UA9WBY, UA9WCC, UA9WDN, UV9WF, UA9-84-32, UK9WBI: UW9WR, UA9-84-262, Korovin, Egorov, UK9AAB: RA9AAN, RA9ABJ, UA9AEE, UA9AFA, UA9-103-259, UA9-103-294, UK9CBE: UA9CAF, UA9CBB, UA9CCR, UA9CCW, UK9FAA: UA9FBA, UA9FBE, UA9FBW, UW9DF, UA9-153-1, UK9IAJ: Krajnev, Dzuba, UK9SA: UA9SDU, RA9SER, UA9-124-191, UK9SAR: UA9SDA, UA9-124-121, UA9-124-179, VE1BU/3 & K4J5I, VE1UNB: VE1QT, VE1BCZ, VE1BEC, VE1BHA, VE2BVD, VE3AKG & VE3BVD, VE6AO: 12 Operators, WB8SMS/VO1 & WA4TWE, VP2G: W5MYA, W5BZN, W1FMK & K1FWE, W1MX: WA1RJK, WB2MZE, WA4TTG, WA4TET, W1UQ & WA1KZE, WA1TAQ, WA1RGW, W1ZA & K1LPA, K1PKO, W5UDK/1 & W1JFL, W1FJJ, K1FIR, WA1TAI, W2UI & WA3KR, W3ABT: WA2BFW, WA2AJN, W3NX & W3DRD, K3NEZ, LU1BAR/W3 & LU2DX, WB4OZH, W5SRZ/3 & W4EYG, W4MYA & K4ZRX, WB4BVY, W5BJA & WA5UCT, W5ZSX, W5FOP, W5RRR: W5LSZ, W5OBR, W5RU: W5NO, W5WQI, W5RTX, W5AWF, W5KND, K5FVA, K5YMY, W6BH & WA6IOM, W6BIP & WA6DJI, W6MUR & WA6GSN, W6OKK & WB6DSV, WB6LPK, W6ONV & WA6UCE, W6MAR, W6UA & W6UM, W6VLD: WA6DPO, WA6EM, WA6HJK, K6TXA, W6NLE, WA6GAT, W7JEG & WB7DRP, W7PHO & W7OTO, WA7TK, W7ML & WA7ELW, W5IP/7 & K7NXH, WB7DKU, WA7TCJ, WB7ASR, W9YH: WB9VJ, WB9NFB, WB9MEK, WB9OEP, WB9VLC, WA1NRF & WA1MAO, WA1OCU, Repeater, WA3YGH & W2RHE, W3TWZ, W44-PYF & W44SPY, WA4YBV & WA2CJ, WB4BEN, WA4QUT, WA5RTG & WB8-DCR, WA5SDT, W5DRW, WOLBP, Repeater, W6AHF & W6BJH, K6OP, WA6JUD & WB6KNU, W6NGG & K6PJY, W6AFWJ, WB6HDH, W6WXP & WB6JDM, WA7RVA & WA7RYJ, WA7VYJ & Jarvis, W8MOA & WB8LU, W8CNL, W8BLD, W8BRXN, W8ZDF & W8BRJ, W8BRVU, W8KFL, K8RKM, W8BAKU, W8QXQ, K8EHU, W8CEM, W8DCB & K8VYH, W8NNO, W8VPM & W8HCH, W8QLZ, W8RFQF, W8MKS & W8SFS, W8NQS/5 & W8SHY, W8ABPK, W8AEZQ, W8BNSC, W8BGFJ & W8OAT, W8AW, W8BJOD: W6KHS, WA6OSQ, W6HCL, K6QJZ, W6AD, W6BIF, W6BWS & W6BGS, K8SJE, W89SOR & W9RX, K9HDE, Repeater, W9STQ: W8RXN, W9SIV, W9W8H, W9KXP, W9BAGY, W9SBD, W9UNZ, YU2AAU: Sado, Igor, Goran, YU2CBV: YU2RTG, YU2RKE, YU2RYP, YU3CM: YU3TTB, YU3TU, YU6KO: YU6ZAN, Djurica, ZYF: WB5URN, W4SKLF, VE7SV, Z56BNX & Z56BZN, Z56BPL, 4J3AM: UW3BO, UW3FI, UV3CC, UV3CO, RA3AKQ, UV3AK, UA3-170-888, UA3-170-227, UA3-170-885, UA3-170-1009, UA3-170-834, 4J9B: UA9AN, UA9AEN, UA9ACZ, UW9BY, UA9-165-516, UA9-165-582, UA9-165-886, UA9-165-965, UL7-26-71, 4U1ITU: F6DFQ, F6BDN, F6DKJ, F6EGW, F6DYK, F6DQJ, F6DQG, 5W1AU & 5W1AT, W4SJKG/6Y5 & K4QM, K4DBV.

STATION OPERATORS

Multi-Operator Multi-Transmitter

DK9KX: DF3QL, DF6QJ, DF7QD, DF8QC, DJ1FG, DJ7YP, DK1QL, DK3RG, DK4QT, DK5VQ, DK6GD, DK8BF, DK8BH, DL8BO, DL8QE, DL9NC, DK0ZZ: DK9BV, DK6WL, DK5WL, DK2B1, DK5WH, DK5WM, DK5WN, DK5WO, DL0II: DJ2YE, DK7J, DK8EY, DJ4TJ, DK8JL, DL9PG: DK2QL, DK3BJ, DK3XS, DJ4IE, DK5J1, K1F1W, DK1HV, DJ1FC, DK3HA, DK7QC, DJ9TQ, DK1QV, DF3QG, DF1OQ, DL9WV: DF4FR, DJ5NR, DK3CZ, DK7FO, DL3ZA, DL6NK, DL6OE, DL8EZ, W7UGM, DC6VD, DC6FN, DB6PA, DB6SC, HB9H: HB9LG, HB9AF1, HB9AFZ, HB9AGC, HB9A1B, HB9A1G, HB9AJM, HB9ALM, HB9ALX, HB9AUS, HB9BAL, HB9BC1, HB9BFM, HB9MAD, + 10 SWL's, JA1YXP: Tom, Sei, Hitomi, Masa, Hiro, Masa, Shinich, JA1ZLO: JR1FJG, JR1SWB, JE1JJI, JH2CKX, JR3EDE, JH4EBN, JH6HDL, JA9FUU, JA2YEF: JH2IRH, JH2NTZ, JA2-5168, JH2VOR, JH2XQY, JR2LDM, JA3YDS: JF1MJK, JH2AZJ, JA3UOQ, JA3WVJ, JR3ESM, JH3GBD, JH3HRW, JH3QLF, JH3WJO, JR3PYW, JA4KJP, JA5HHM, JA9EBA, JA9FOR, JA9GLT, JA3YKC: JA3ODC, JA3REU, JA3UPJ, JH3AIU, JH3BBQ, JH3HBF, JH3JRB, JH3KQW, JH3NYM, JH3PLE, JH3VJF, JR3AFH, JH3VES, JR3BVX, JE3KCC, JA2VUP, JA4YBU: JH4CBM, JH4CQQ, JH4DIT, JH4EOI, JH4HNI, JH4HVA, JH4LHK, JA4SQG, JA4CDP, JA4XKL, JA6YBR: CLUB, JA7YRR: JA7CFB, JA7CLE, JA7CLN, JA7CXV, JA8YAU: JA8UXL, JA8FPX, JA8JTZ, JA8XMU, JH1YDT: JH1AGH, JR1MM, JH1BTT, JH1GNU, JR1LYT, JR1EYB, JR1FNR, JR1BSM, K2GM & W1GVE, W1MDO, K2B2O, K2GL, K2KUR, K2T, W2SKE, W2AFC, W2BSQN, W2BVYA, K6SSS, Robert Walsh, K2CW + W2DA, W2ZA, K2LP, K2BPP, K2JAO, K2JQR, W2BCU, W2BYW, W2EMG, K3WX & WA3TOE, K4CG: W4BQX, W4RYE, K5GOU, K4EBY, W3DIT, W2BCTK, K3WUW, K6BCE & W6BYL, W6BXP, W6PVB, W6RTT, K6QPH, WA6LBP, W6YB, K6YRA, K6YNB, K6PBI, K6RR & W6CCK, K6LL, W6IRD, W6BDJP, W6BOTU, W6BKJ, W6BEHT, K6MYR, K6OZL, W6BJY, OH1AA: OH1HU, OH1MD, OH1NH, OH1NK, OH1NM, OH1SY, OH1TV, OH1XX, OH2FS, OH2QV, OH2SB, OH3ZE, OH5MG, OH2AW: OH2BR, OH2BD, OH2BCV, OH2BGD, OH2BPN, OH2ED, OH2KA, OH2VB, OH3YI, OH3XZ, OH5UX, OH7RF, PJ9A: PJ2AR, PJ2BT, PJ2CW, PJ2FR, PJ2LA, PJ2VD, PJ3BB, PJ3BV, PJ3BD, PJ3DO, PJ3IDP, PJ3EC, PJ3EK, PJ3TH, SK1AO: SM1CJV, SM1CXE, VE3DU & VE3ENM, VE3FFA, VE3MV, VE3BBH, VE3ABG, VP5M: K4UTE, W4ZR, W4ADRU, W4AERY, W8IMZ, W4DRT, W4SGF, W4BQK, W4DGG, W4EYX, W4DIU, W2PV & K1OME, K1YKT, K1ZND, W1GNC, W1NJL, W4IQZH, WA1UIK, WA1YDJ, W2EAH, W2BGXW, W2BOEU, W3AU & K3EST, W3ZKH, W3AZD, W3ZDK, W4SGW, W43AQ, WA3TAI, CX1EK/W4, W3DHM & K3GJI, W3DQG, W3FA & W3ZAS, W3S5X, W3AQIA, W3FCI, W43VP1, W3ABC, W3FRY & K3HTZ, K3DZB, W43LN, W43CN, W43R3J, W43R1D, W3GM & W3J5C, W3VJ, W43YV, K3ZOL, W3TV & W3A0H, K3GL, W3WJZ & K3YUA, W3OX, W43LRO, W43YHT, W4BYV & W4SAMI, W3BQV, K3NPV, W4CSE, K4GKD, W4CWC, W4UKA, LU8AGT, W7RM & W6HAF, K7RA, K7VPE, W5OQQ, K7JCA, VE7ZZ, WA70TT, W8NGO & W8CLR, W8SRK, K8YFI, W8AMW, W85OOE & W8SJM, W85RXT, W85SFX, W85WF, W85EQ, W8LUJ, W85BH, W85COA, YU1BCD: YU1NZV, YU1ODO, YU1PCF, YU1QBC, and 6 others.