

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.

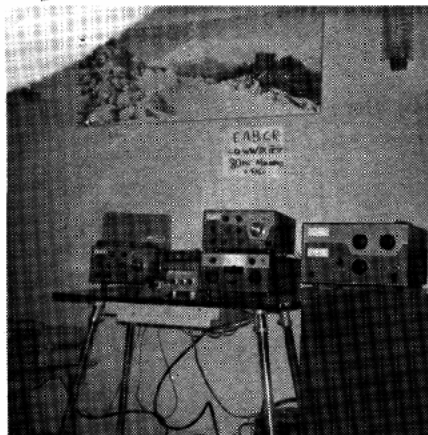
Rule Changes

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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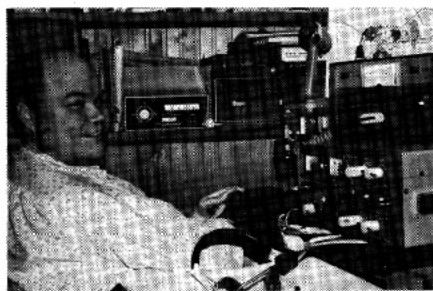
EA8CR



HC5EE



VP2G (W5MYA left, WB5IZN right)



OZ4RP



8P6AH opr. of 8P0A



PA9TOM



I4ZSQ



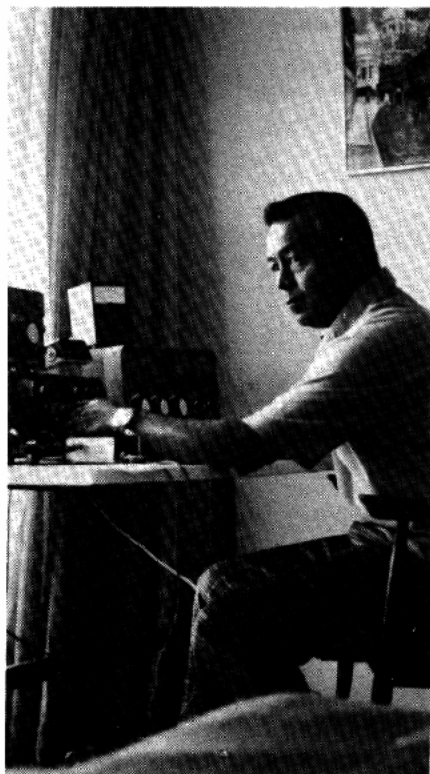
CX2AQ



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

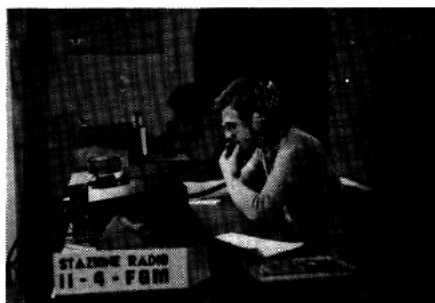
USA QRM

"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.

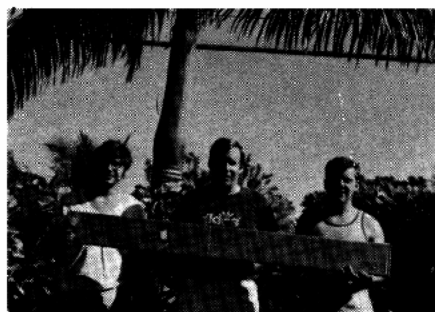
We had the right call, the correct equipment, but needed more operators as we seemed to enjoy our sleep . . . K2USA. The 15 meter beam blew down the first day, 3 operators never showed up, and one rig was reclaimed by its owner Saturday morning; Murphy was in command! . . . AB2YKG/2. Ten meters was the 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

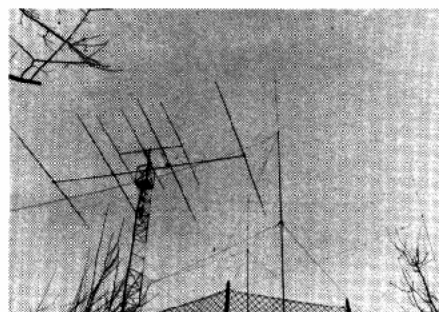
"First time in this fine contest for all three ops . . . ZS6BNX. Unfortunately the contest fell on the same day as our University Festival...JA7YAA. Those pile-ups, wow! . . . 5W1AU. Thunderstorm QRM made the low bands rough . . . AY2DNC. There was great enthusiasm in all the world—congratulations to 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



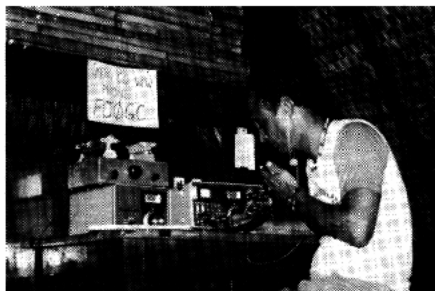
114FGM - 14VEQ, 14LEC



WB4SJG/6YS



13PRK



FOØGC - WB6EXW



JH1ECG



W7JST



VE7BC (VE7LB opr.)



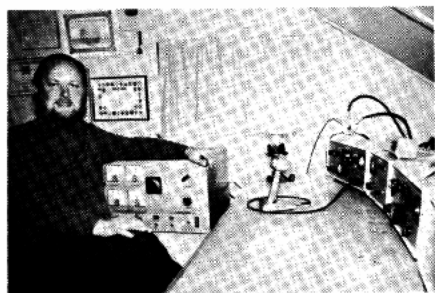
UB5WE - VIC
UB5WF - ULAD



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
Single-Op Single Band	28 MHz		7 MHz	
	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		3.8 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	
Multi-Op Single Xmtr	14 MHz		1.8 MHz	
	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
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
Single-Op Single Band	28 MHz		7 MHz	
	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		3.8 MHz	
	CW3BR	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	
Multi-Op Single Xmtr	14 MHz		1.8 MHz	
	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
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!!!... *OABCG*. 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 VE7DTO* 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)

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	490,512	413	59	103	OA4FF	43,358	398	15	23	Canada					
SM9FO/0	21	71,912	364	22	UA3DFN	7,840	100	13	36	VK5MF	68,220	265	36	54	OA8CG	30,334	187	16	42	WBOSMS/V01					
SM5HPB	17,372	155	15	28	UA6WAL	7,448	142	11	27	VK4UA	32,148	197	30	27	OA4AHA	14,622,790	1,382	36	119	214,054					
SM7FSV	4,840	50	15	29	UA4CBO	6,532	74	15	31	VK6MO	14,874	82	31	43	OA4ALP	7,516,753	291	19	46	140,760					
SM9BYZ	2,923	52	10	27	RA3AKX	5,588	77	13	31	VK6NE	69,207	375	22	47	OA4HVR	3.8	23,698	203	16	25	131,274				
SM2HZQ	646	32	6	13	RA3ALQ	5,304	89	12	27	VK3SM	26,730	169	20	34	PZ1AH	A	37,318	121	39	55	289				
SM7DMN	14	125,116	527	32	UA3A10	2,407	63	7	22	VK6CT	14,431,001	996	36	117	94ZNP	A	1,734,297	2,168	80	197	2,858,088				
SM3DSP	115,855	596	28	76	RA4HDE	2,240	39	11	21	VK3BH	251,199	745	34	79	94ZNP	A	1,734,297	2,168	80	197	376				
SM4AQD	97,337	521	27	82	UA6AGZ	2,160	31	15	25	VK5LU	12,000	69	25	35	94ZNP	A	1,734,297	2,168	80	197	376				
SM5MCP	70,500	494	22	72	UA3QBG	1,978	58	6	17	VK5RX	1,218	29	14	23	94ZNP	A	1,734,297	2,168	80	197	376				
SM5WC	16,416	97	21	55	UA6AEH	1,612	40	4	23	FO8GC	A	267,424	779	50	72	94ZNP	A	1,734,297	2,168	80	197	376			
SM7A10	12,308	107	20	48	RA1AKL	90	6	4	5	AG6JFY	A	1,212,822	1,966	84	129	94ZNP	A	1,734,297	2,168	80	197	376			
SM7FYM	6,026	51	14	32	UA4RZ	21,376,515	1,137	31	104	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
SM5GA	5,026	73	11	28	UV3CE	217,398	904	28	86	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
SM5FTH	5,092	66	12	26	UW6DR	89,910	656	19	55	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
SM5E00	4,280	80	12	79	UA6BV	29,889	232	22	59	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
SM9BVQ	1,113	31	7	14	UW1LY	10,428	203	12	32	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
SM4CAN	7	46,899	467	18	UV3GZ	5,990	140	10	36	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
SM6AJU	46,200	401	18	66	UA3EQ	6,357	90	11	28	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
SM5CSS	3,008	91	6	26	UA6HG	3,364	110	5	24	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
SM2DMU	3.8	19,264	252	15	UW1AE	14,222,385	624	32	91	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
HB9ZE	A	262,200	592	53	UA4ACG	115,254	588	31	83	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
HB9ALJ	57,105	182	45	96	UW4NP	100,741	567	30	78	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
HB9BGJ	55,286	211	48	106	UV3HV	80,478	644	24	78	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
HB9AYZ	19,758	189	21	53	UA1MU	76,900	440	28	72	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
HB9DX	21	18,914	80	24	UA4FAT	43,351	334	23	54	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
HB9UD	14	966	22	7	UA4CZ	28,950	311	20	55	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
HV3SJ	A	58,421	344	35	UA3GBI	27,755	203	20	45	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
GW3SLA	A	74,947	377	34	UK3DBA	5,217	41	20	27	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
GW3GHC	28	9,460	95	13	UA3GM	2,838	47	12	21	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
GW3MPB	21	9,151	77	20	UA4CAH	2,430	51	8	22	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU1GMN	A	186,813	456	51	UW6CV	1,114	41	5	21	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU3TJA	181,584	417	63	171	UW6CD	630	16	7	14	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU4LJM	26,320	250	16	78	UV3FD	15,080	190	15	43	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU101Z	9,198	88	22	41	UA4ACD	1,475	43	6	19	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU3TPM	28	46,659	231	24	UA3XAW	42	7	3	4	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU2RBY	21	442,898	1,181	34	UA4PW	18,669	240	11	38	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU4EXA	165,880	585	32	98	UA3PBZ	14,352	237	10	38	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU10BA	141,876	506	32	94	UA4UAZ	10,620	162	10	35	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU2CRS	101,430	395	27	87	UA6CO	8,600	166	8	32	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU5CYZ	32,688	275	20	52	UA4FAU	7,416	147	7	29	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU2CHI	22,796	113	26	56	UA2EC	A	62,976	238	45	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU2CBK	17,040	87	23	57	UA2DM	38,280	185	34	99	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU1NW	13,050	118	17	41	UA2WJ	14,112,592	494	30	94	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU2CDS	14	765,061	2,050	37	UA2FBZ	42,930	315	22	68	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU1ABF	329,465	1,413	34	97	UNICC	A	32,542	215	29	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU1NYP	225,060	823	32	100	UO2GDO	A	233,818	800	54	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU2CAT	7	32,361	362	14	UO2IL	29,252	219	27	78	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU3DRM	5,586	124	7	31	UO2DV	23,956	166	31	75	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU1EXY	3.8	47,500	483	17	UO2HO	12,222	107	16	47	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU2CBM	27,404	303	13	49	UO2MU	3,422	55	10	19	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU2OB	23,184	317	11	52	UO2CR	14,740	129	8	34	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU4YBR	16,848	308	10	42	UO2GCN	7	20,208	389	8	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
YU1SF	840	40	4	17	UO2GFN	3.8	7,752	220	5	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376			
European Bevo	UC2ABT	A	204,240	659	53	177	UP2SA	A	636,675	1,044	80	245	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376
European Russia	UC2AF	1,131	23	11	18	UO5GR	21	9,792	92	16	52	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376	
Ukraine	UR2REN	A	294,872	796	61	171	UO5ODN	14	25,026	167	22	64	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376
Ukraine	UR2QD	218,685	642	46	137	UO5ODX	3.8	7,688	240	6	25	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376	
Ukraine	UR2TAZ	28	6,080	109	10	28	UBSWE	A	2,166,246	2,303	109	344	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376
Ukraine	UR2JL	3,471	67	11	28	UBSMDI	446,050	1,253	70	205	AG6JEE	21	120,456	959	19	23	94ZNP	A	1,734,297	2,168	80	197	376		
Ukraine	UR2REC	960	27	8	16	UBSMD	403,089	887	65	188	AG6JEE	21													

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	UK4PAA	160,476	604	43	129	UK5LAN	48,700	377	20	80	DK0ZZ	6,658,943	4,630	136	495					
DL0KO	1,168,297	1,385	101	302	SP2ZHB/2	506	14	10	UK4ABZ	133,132	554	46	120	UK5LAS	48,700	377	20	80	DL8PG	5,406,381	4,151	128	465					
DL0JK	968,506	1,252	86	245	Scotland				UK6AJA	112,644	533	39	110	OCEANIA				DK8XW	3,213,976	3,367	107	375						
DL0UE	757,008	1,010	87	249	GM3ZRC	82,502	340	37	105	UK4NAA	89,600	340	41	99	Western Samoa				DK9W	2,892,753	2,884	112	391					
DL6OL	452,445	903	62	155	Sicily				UK4YAB	50,456	303	28	91	SOUTH AMERICA				DL8II	506,562	992	73	221						
DL8DC	433,152	761	63	193	IG9PLN	4,016,432	3,185	99	337	UK3IBA	49,995	356	30	71	Argentina				Finland									
DK0KU	399,006	735	70	173	Sweden				UK6LAI	49,500	283	28	72	AY2DNC	1,421,880	1,991	79	167	OH2AW	3,357,369	3,193	126	417					
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	OH1AA	2,951,550	2,962	120	405				
Hungary				SK5AA	318,045	936	62	171	UK4YAN	29,928	249	24	63	Brasil				SK1AQ	69,044	265	46	118						
HA5KFN	891,408	1,425	85	251	SK2AU	208,222	609	60	154	UK6AAJ	25,990	99	42	71	Sweden				YU1BCD	4,245,176	3,797	123	406					
HA7KLG	823,037	1,377	81	212	SK6JZ	73,931	337	34	87	UK6AJN	17,425	130	27	58	Switzerland				SOUTH AMERICA									
HA9KOB	717,355	1,696	68	197	SM5AZU	63,840	237	43	117	UK3WAC	19,938	146	17	50	Netherlands Antilles				PJ8A	7,345,444	6,036	104	309					
HA5KCC/5	630,921	1,267	71	196	Wales				UK3DBE	11,163	132	13	48	Yugoslavia				CHECK LOGS										
HA4KYH	466,932	903	61	172	SM5DLR	37,407	251	29	82	UK4YVY	10,797	156	16	45	U.S.A.				Our deep thanks to the following stations who sent in check logs.									
HA6KVB	270,053	831	60	163	SM6HA	25,482	234	28	65	UK3ABO	10,624	115	17	47	W7RM	5,137,431	3,602	137	370	EA3YM	FE4580	FE5460	FE5082	I3-52235	K9NA	K3DR		
HA2KRL	262,008	809	58	156	Italy				UK3IBB	5,490	99	12	33	W3AU	4,375,000	2,500	141	484	W3FRY	1,956,020	1,408	123	400	LA6UI	LA7TM	LZ1CY	OK2-	
HA6KNB	197,632	590	52	141	GW4ENT	1,337,700	1,800	93	271	UK4SAM	4,662	95	8	29	W2PV	4,276,140	2,878	125	445	W3BWZ	1,876,672	1,368	117	380	BNK	OK3CAV	OZ5BS	PA8-
HA6KNI	160,512	675	43	135	GW4FCG	174,303	594	45	136	UK3ACR	1,100	18	10	12	W3WJD	4,159,205	2,446	137	476	W3GM	1,726,263	1,184	115	402	CLN	PA8GBY	PA8LEG	PA8-
Latvia				YU3CM	519,777	879	78	200	UK2GKW	1,373,314	1,813	91	276	W4BVV	4,144,280	2,667	129	445	W3DHM	1,392,147	1,113	105	354	TV	P11PT	SM2ALU	SM4AZD	
Yugoslavia				YU2CB	228,912	553	68	182	UK2GDZ	463,487	1,002	68	201	W6BCE	4,065,413	2,422	141	476	K4CG	949,554	886	101	325	SM5BFJ	SM5CVC	SM5QG		
U.S.S.R.				YU6KOP	126,707	496	46	115	UK2GCF	200,622	744	43	131	W7S0E	3,537,288	2,226	144	440	W3FA	943,138	860	95	311	SM7ASN	SM7BBV	SP3CQP		
Byelo-Russia				YU2AAU	59,568	244	45	101	UK2GAB	57,933	395	27	96	W7K6R	2,033,890	1,895	118	252	W3KWC	655,161	716	72	249	SP3CUQ	SP3DAH	SP3GUA		
European Russia				U.S.A.				UK2BBB	1,352,792	1,910	93	299	W7K3W	236,586	346	71	187	K6RR	2,033,890	1,895	118	252	SP4AS	SP5EBK	SP5IFU	SP5-		
AU1ITU	658,735	1,199	78	240	UK2AAA	246,654	859	50	163	UK2PAC	925,243	1,450	92	269	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	SP5IMD	SP5JB	SP5PZK	SP6-
HB0BHA	1,976,850	2,375	84	257	UK2WAO	103,917	557	31	110	UK2BAS	745,682	1,207	84	259	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	SP6-AMG	SP6DNB	SP6JLL	SP7-
LX1ML/P	68,634	369	32	97	UK2WAR	13,110	162	16	53	UK2PAD	439,793	974	69	224	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	SP7HT	SP9CSU	UA9FBM	UA9-
PA0SMK	357,205	863	53	146	UK2ZAB	6,251	120	10	37	UK2BAG	308,448	877	49	174	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	VA0JAY	UK9AAQ	UK9-	
P11ARS	93,168	359	37	107	UK2RAH	7,248	73	17	31	UK2PAO	78,110	404	36	110	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	VA0JAY	UK9AAQ	UK9-	
P11PT	18,130	240	13	36	Canada				UK2PFB	59,696	524	20	92	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	VA0JAY	UK9AAQ	UK9-		
LA5X	914,228	1,562	78	239	U.S.A.				UK2PRC	8,176	129	12	44	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	VA0JAY	UK9AAQ	UK9-		
LA1K	478,136	1,132	62	174	U.S.A.				UK2PRC	8,176	129	12	44	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	VA0JAY	UK9AAQ	UK9-		
SP5PWK	925,143	1,208	98	261	U.S.A.				UK2PRC	8,176	129	12	44	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	VA0JAY	UK9AAQ	UK9-		
SP9KRT	248,210	1,042	55	164	U.S.A.				UK2PRC	8,176	129	12	44	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	VA0JAY	UK9AAQ	UK9-		
SP9PDF	278,913	785	64	175	U.S.A.				UK2PRC	8,176	129	12	44	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	VA0JAY	UK9AAQ	UK9-		
SP9PTC	150,722	649	48	139	U.S.A.				UK2PRC	8,176	129	12	44	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	VA0JAY	UK9AAQ	UK9-		
SP9PTR	50,440	268	35	95	U.S.A.				UK2PRC	8,176	129	12	44	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	VA0JAY	UK9AAQ	UK9-		
SP5KOH	24,726	306	16	62	U.S.A.				UK2PRC	8,176	129	12	44	W7K6R	2,033,890	1,895	118	252	W7K3W	236,586	346	71	187	VA0JAY	UK9AAQ	UK9-		

