



1979 CQ World-Wide DX Contest - CW Results

BY BOB COX*, K3EST, AND LARRY BROCKMAN†, N6AR

After checking approximately 500,000 QSO's, the 1979 CQ World-Wide CW DX Contest enters the record books as the most successful ever! It was clearly the year of the high frequency bands. Ten new 28 and 21 MHz records were set. For those with enough energy to try the low bands, rewards were found in surprisingly good band openings. For all entrants increased operating skills were needed to cope with the onslaught of QSO's.

The World Champion Single Operator score was EA8AK operated by OH6DX. Erki averaged 80 QSO's per hour for the 48 hour period. He was followed by 9Y4VT operated by N6AA. Third and fourth places go to UF6DZ and OK2RZ.

The Multi-Single category generated quite a race. NP4A barely edged out R6F for the new world record. Both stations broke the old world record by quite a margin.

The battle of the Multi-Multi giants resulted in PJ2CC setting a new world record. They were followed closely by 9Y4W. PJ2CC was sponsored by the Potomac Valley Radio Club, while 9Y4W was sponsored by the Frankford Radio Club.

The top USA All Band score was K1AR. John was happy with U0Y calling him on 40 meters! Look at the battle for second place in the US. Four stations within 53,000 of one another. K1VTM operated by K1JX edged out W1ZM, W1CF and N2LT.

The USA Multi-Single effort was lead

by K5RC's pace-setting record of 4 million points. The antenna farm of N4AR had to settle for a second place finish.

The USA Multi-Multi effort was headlined by N2AA. All six top finishers beat the old CW record which had stood since 1970! K8LX and K3WW finished second and third, respectively.

The following stations set new records: LU8DQ: World 28 MHz; FR0MM: Africa 28 MHz; UH8EAA: Asia 17 MHz; JH3LPT: Asia 21 MHz; 4Z4KX: Asia 28 MHz; G3SZA: Europe 1.8 MHz; YU2CDS: Europe 7 MHz; SM5GMG: Europe 21 MHz; DK3GI: Europe 28 MHz; VP2MEE: N. America 21 MHz; KV4FZ: N. America 28 MHz; KH6XX: Oceania 28 MHz; UF6DZ: Asia Single Operator All Band; OK2RZ: Europe Single Operator All Band. M.O.S.T.: Africa, EA9EU; Asia, R6F; Europe, YU7BCD; N. America, NP4A. M.O.M.T.: Europe, SK2KW; N. America, N2AA; S. America, PJ2CC.

The new QRP category continues to grow. An excellent effort by Chris, G4BUE, brings him this year's QRPP Trophy. The top USA entry was WA4LOF with W5YZ very close behind.

Something To Think About

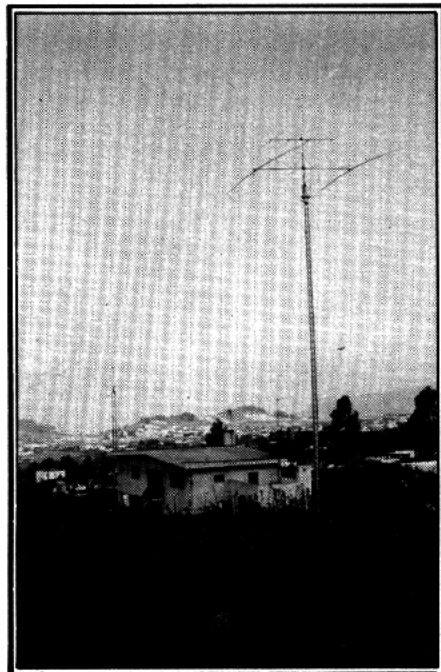
Each year the committee receives complaints concerning unsportsmanlike activity by a few operators. Complaints based on actual log data are verified by the committee. However, other types of violations *not* based on log data, such as excessive power, unsportsmanlike operating techniques, violations of the single operator category, are very difficult to substantiate.

Contesting, by its very nature, relies heavily on the honor and word of the participants. When the statement you

sign on the summary sheet becomes meaningless, it only serves to diminish the satisfaction of the achievement.

The following people devoted much time and effort to verifying the results: Frank Anzalone, W1WY; Terry Baxter, N6CW; John Battin, K9DX; Yuri Blarovich, VE3BMV; Lenny Chertok, W3GRF; Dave Donnelly, K2SS; Lew Jenkins, N6VV; Fred Morris, AD6C; Glenn Rattmann, K6NA; Jim Sullivan, W7EJ; Reg Toumi, N6SV; Gene Walsh, N2AA; Gene Zimmerman, W3ZZ; and Doug Zwiebel, WB2VYA.

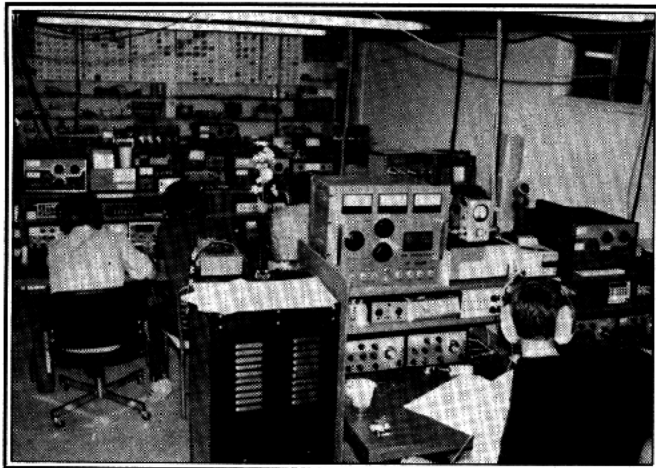
Congratulations to all the winners!
73, Bob, K3EST, and Larry, N6AR



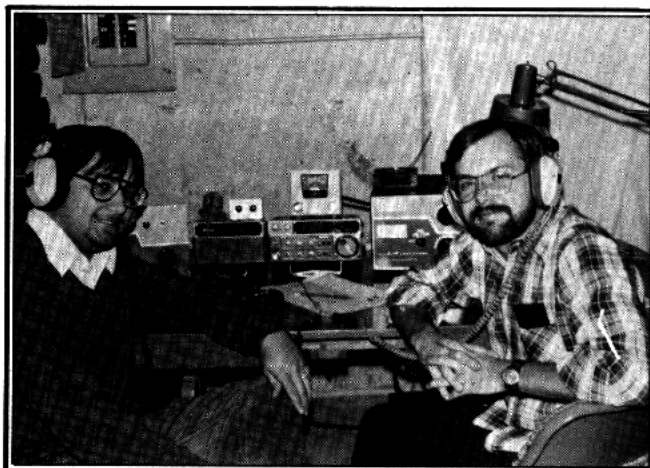
EA8AK operated by OH6DX. Top Single Operator score.

*5801 Huntland Road, Temple Hills, MD 20031

†7164 Rock Ridge Terrace, Canoga Park, CA 91307



Quite a setup at N9MM



WB9BCR and WB9CEJ.

C.W. TROPHY WINNERS AND DONORS

Single-Operator, All Band

World

EA8AK (Opr. Erkki J. Korhonen, OH6DX)
Donor: W2AB Memorial (K4FW)

U.S.A.

John Dorr, K1AR
Donor: Frankford Radio Club

Canada

Saull Arosankari, VE1AIH
Donor: Canadian DX Association

Caribbean/Central America

Jose M. Lozano Lozano, XE2MX
Donor: Mort Grotenstein, N6JT

Europe

Jiri Kral, OK2RZ
Donor: W3AU Operators

Africa

Ted Collins, ZD8TC
Donor: Gordon Marshall, W6RR

Asia

Valentin V. Makhalov, UF6DZ
Donor: JA CQ Magazine

Oceania

Willmer Hew, KH6NO
Donor: Maui Amateur Radio Club

Japan

Saty Nakamura, JE1JKL
Donor: Palm Garden Contest Club

South America (21 MHz)

Elcio Neves, PY3CFD
Donor: Rafael DeLeon, CX3BR

Oceania 21 MHz

Haryono S., YB0GF
Donor: Pacific Radio Amateur Transmitting Society

Multi-Operator Single Transmitter

World

NP4A (Oprs. NP4A, K2TR, K3UA, KP4EHP,
N2NT)

Donor: Anthony Susen, W3AOH

Multi-Operator Multi-Transmitter

World

PJ2CC (Oprs. K3EST, K3KU, K4BAI, K4VX,
PJ2FR, PJ9EE, W1BIH, W1GNC, WB4SGV,
YU3EY)

Donor: Hazard Reeves, K2GL

U.S.A.

K8LX (Oprs. K8LX, K8GM, K8MD, N8EA,
W8KPL, W8TA, W8WA, WA8TBQ,
WA8YVR, WA8ZDT, WN8PEE, WD9HFW)
Donor: Rush Drake, W7RM

Contest Expeditions

World Single Operator

3B8RS (Opr. Walter Skudlarek, DJ6QT)

Donor: CQ Magazine

World Multi-Operator

U0Y (Oprs. UV0BB, UA0BW, UA0ABB,
UA0ACQ, UA0AG, UA0AAK)

Donor: Bill Schneider, K2TT

Top World Single Operator Combined Phone/CW

9Y4VT (Opr. Richard Norton, N6AA)

Donor: John Knight, W6YY

World Top QRP

Christopher J. Page, G4BUE

Donor: Gene Walsh, N2AA

Club Trophies

World High

Frankford Radio Club, 173,821,640

Donor: CQ Magazine

Most Improved Radio Club

Mad River Radio Club, 24,119,894

Donor: Southeastern DX Club

Single Operator Single Band

World (28 MHz)

William C. Poellnitz, FR0MM
Donor: W2JT Memorial (No. Jersey DX Assn.)

World 3.5 MHz

Alvaro Robledo, EA2OP
Donor: Fred Capossela, K6SSS

U.S.A. (21 MHz)

Peter Chamalian, W1RM
Donor: No. Illinois DX Association

Canada (21 MHz)

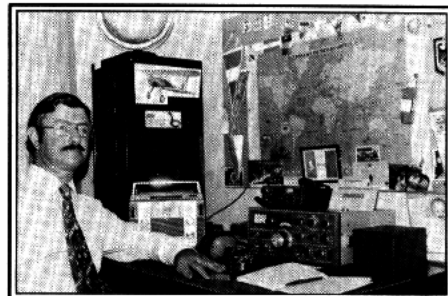
Yuri Blanarovich, VE3BMV
Donor: Canadian Amateur Radio Federation

Caribbean/Central America (28 MHz)

Tim Winger, C6ACY
Donor: DX Club of Puerto Rico

Europe 14 MHz

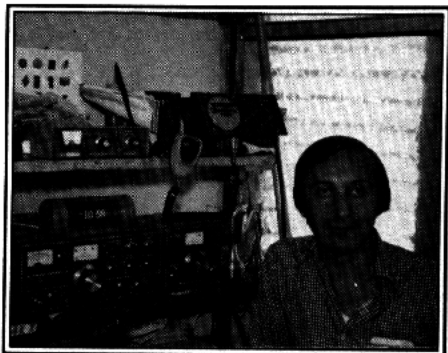
Drago Turin, Jr., YU3ZV
Donor: G2LB Memorial from his friends



Neville, ZS6BSQ.



K3YL at the key.



Mark, 4Z4KX.

USA QRM

Sure missed hearing KH6IJ...K4PI. Distressing to hr multi-multi's continuously occupying freq with CQ's...WB4SXX. Where were all those rare ones...K4KUZ. 10 meters outstanding...WA4QML. Thanksgiving weekend is tough for us family men...K4VT. Nice to work "TF" on CW...WB4WHE. After spending two years writing letters and trying to arrange the schedules with DF4NW/A7 on CW he calls me!...N4WW. My SB220 went "up in smoke" Sat. night at 0048 GMT...N4ZC. Please consider alternating phone and CW weekends each year...K4RV. Great to hear so many USSR stations...N4PN. Should be handicap for living in the same districts with the big guns...K5KG. Very few kooks this time...K5DB. Pile-ups get worse each year...W5DUJ. Problem finding DX in zero beat of US stns calling CQ...N5HB. Not enough Europe...W5MYA. Rotorator stuck twice. Had to climb tower at night with flashlight...AF5K. 80 M opening LP to EU/SSR on Sat. morning outstanding...N6RO. My best score from home in 10 years...N6IC. Thank heaven for narrow IF filters...WB6SHL. TVI complaint 2 blocks away. XYL told neighbors I wasn't home...N6OZ. CQWW contests are "main event"...WB6JMS. Southern hemisphere scarce...W6ABT. A few stations actually heard my 8 hrs of pounding...N6PE. Worked KH3AA 8 minutes after the contest. Where was he when I needed him?...WB3JRU. ZL3GQ was loudest signal on 160 M from the Pacific right through W6's and W7's calling him...W7JYH. My first DX contest. Gotta trade the straight key for a keyer...KL7FDQ/7. Wish I could have more time to operate, but I got two new countries...WB7SQM. Was very pleased with the DX in the Novice band...WD9EJE. Glad to find and work FR0MM on 10 meters...WA7YHP. Polar adsorption on 40 meters kept long haul contact total down...K7UR. Hope to have a beam and shorter call next year. My first time at CQ WW. Had a ball...KA8CQI. Don't know if it was more fun than work or more work than fun, but I'll be in the next one...KB0HA. Congrats to the JA's. Some of the best CW ops in the world...K0ZX. Chased FB8XV around 20 meter long path, but couldn't catch him. Maybe next year...W0WP. Available: one wife, three sons, one dog any contest weekend...AB1U. Too bad for those who missed one of the best USA-EU openings in years (160 M)...K1PBW. Learned a great deal about 7 mc propagation...K1VUT. Finally, a contest that nothing broke...K1NA. Too many W's calling CQ...W2AO. Highlight: QSO with ZL3GQ on 1.803 MHz with 3 watts output...W8VSK/QRP.

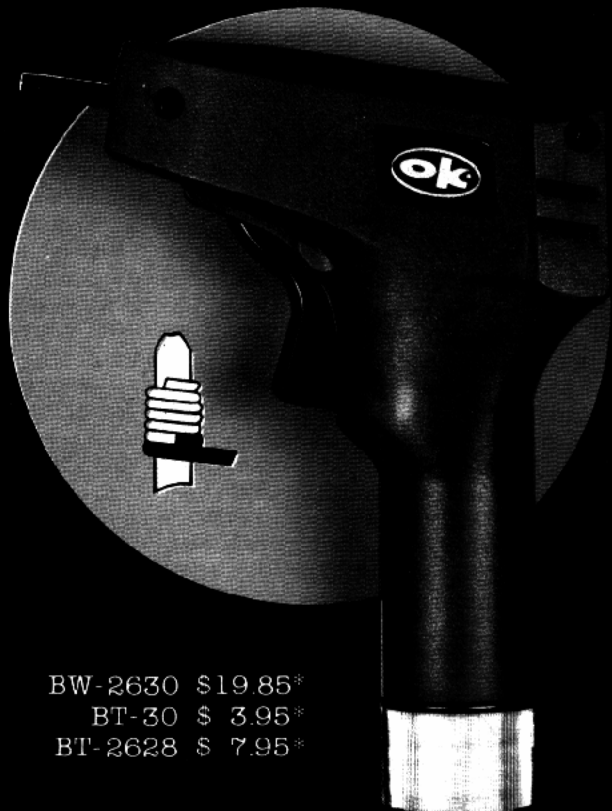
DX QRM

Finally got license after 1½ years just two weeks before the contest...SV0AR (WB9UIY). Poor activity from Africa...YU1EXY. What a lot of W's! But where are the JA's?...I4IND. From 1950, almost every year with you in this contest...HB9KC. Installation of the big 7 MHz yagi before the contest made me more tired than all the contest operation...OH6DX operator EABAK. I love CW...JE1JKL. Again aurora...OH8SR. My age is 13 and I am fond of contests...OH6DC. First contest. I'm 13 years old so I have many years left for contests...OH5KR. When power went off I took part in chess competition and won a medal!...YT3L, QRP. Used only 8 crystals...OH6GZ/2. A bit more support could have more than doubled the score. Otherwise a VG contest...VP9DX. The brilliant aurora did us in as far as working Europeans was concerned; no Africa either...VE7AV. Condx so good and pile-up so big on 10 meters, we had great difficulty picking out calls...VE8NI. See you next year with bigger score...TF3CW. After 3 years operating from YB3 it was nice to try again from home...PA0LOU. Activity good and conditions favorable. Managed to give GI to lots of stations. Still young at 70...G13JEX. On air for over 47 years and still no beam. Wonderful what bits of wire will do...G15UR. Wonder if CW interest is going down. Maybe we need a slow speed section...SM0AJU. Active in contests since 1926...F8TM. Was trying to beat the European record but no JA opening on 10 and 15 spoiled it...OZ1LO. Nice to beat record that has stood since

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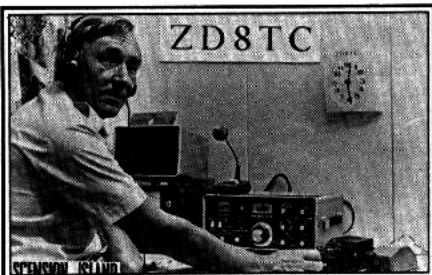
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Ted, ZD8TC, helped give out zone 36. VP2SX operated by K1XA, VP2SQ, Chris, G4BUE, World Top QRP score, and K1TO (not shown).

I was five years old... GU4CHY. Antenna system went up on Friday and down on Monday to keep peace in neighborhood... G5CMX. How about some real reports. I know I am not S9 everywhere!... G3JKY. Worked 39 W stations on 7 MHz and ZL3GQ long path on 14 MHz with 5 watts... G4BUE. It is remarkable to have gotten HH2MC and PJ2CC with QRP rig... JR6KRI. Even with 5 watts it is possible to reach every heard station at least on 10 meters... DK2BJ/A. First CQ WW test. Hope to do better next year... UL7MAR. It seems that our 3 element quad on 7 MHz and 5 element on 14 MHz was designed especially for CQ WW Contest. On Monday after CW part it crashed in strong wind... UK2PAP. Don't think we could do any better this year. UK9 doesn't sound like PJ2 and the sun covers the south—Hi!... UK9AAN. Nice to work 160 for first time in contest... UR2RDX. Activity great. Nice to hear the likes of HZ1HZ, etc... C6ACY. Every time the best contest on the amateur bands... HR1AT. Some of these rare contest calls drive me up the wall... VE3FAE/HCI. Condx poor, tropical QRN strong S+9, Caribbean station calling CQ in DX window... YV1OB. Big thrill QSO with K3VA on 160 M. First ever contacts between JA and W3... JA7AO. I wish more activity from Africa and South America... JF1PUW. Most difficult country for me was JA, because they

neglected my call... JJ1SOE. On Friday Murphy stepped in! Stuck with us throughout the contest. Next year will wipe him out... SL2ZZU. 14 mc conditions were just like the sunspot bottom... JA3YKC. One rig caught fire, one blew fuses and dial lights of a turned-off amplifier lit to full brilliance... KL7Y. My first single band entry in this contest, worked all multipliers that I heard except TG0AA and W5JMM/SU... OE5CWL. Condx very good again this year, suspect many records broken... I4JCC/5 (op: W3US). Great this festive moment in our amateur life... YO3JX. Did not hear any VK/ZL stations. So, America was poor here. I hope to work 1980 CQ Contest with QRO on all bands. A fine contest!... YO5BQ. As usual, the finest contest ever! See you next year!... YO3BEJ/9. Had to take 8 hours rest period on Saturday night, AC power went out... HA0HW. Many stations did not give their call sign for 15-20 minutes and many dupe QSOs... YU4CF. I wish I could try it from zone 09... OK2RZ. Built a new vertical for 40 M and it proved to be working fine. Went to bed after the contest and woke up Tuesday morning! Guess will keep myself limited to single band entries in the future and leave all-band to younger chaps. Hi... OK3EA. Very few stations on 15 M all contesters were up on 10 M where the condx were much better... OK1TA.



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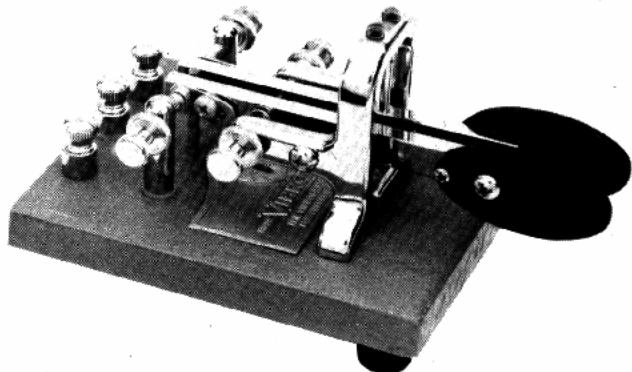
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TOP SCORES

WORLD Single Op All Band		USA Single Op All Band	
E8BAK	4,005,050	K1AR	2,635,224
9Y4VT	3,769,259	K1VTM	2,379,465
UF6DZ	3,440,172	W1ZM	2,368,968
OK2RZ	2,916,045	W1CF	2,360,450
K1AR	2,635,224	N2LT	2,326,170
UA1DZ	2,614,568	W3GRF	2,064,972
OZ1LO	2,523,528	K3LR	2,016,204
K1VTM	2,379,465	N3AD	2,001,300
W1ZM	2,368,968	K9DX	1,970,829
UV9AX	2,368,546	N6RO	1,961,883

Single Op Single Band 28MHz		Single Op Single Band 28MHz	
LU8DQ	1,033,399	N4WW	349,206
FR0MM	978,012	K8NZ	309,632
KV4FZ	653,072	N8II	309,222
DK3GI	592,848	AE2A	306,306
KH6XX	586,236	W5MYA	299,976
C5AT	495,558	K1NA	291,126

21 MHz		21 MHz	
VP2MEE	623,118	W1RM	450,120
VE3BMV	574,056	K8IA	408,590
SM5GMG	526,229	N5CR	394,750
I4IND	502,448	N7XX	352,768
W1RM	450,120	N6CW	343,824
VE7DXC	448,572	K4RV	322,028

14 MHz		14 MHz	
YU3ZV	598,506	K8ZH	440,496
KX6PI	441,780	N4PN	433,576
K8ZH	440,496	K0KX	423,025
N4PN	433,576	W6KPC	371,500
K0KX	423,025	W5FO	366,404
UH8EAA	411,120	K1SA	309,750

7 MHz		7 MHz	
YU2CDS	361,680	W5UN	202,176
I2XXG	279,648	K7UR	142,740
YU1EXY	223,652	N6AW	133,620
W5UN	202,176	N5TP	123,270
K7UR	142,740	K2IGW	112,021
GW3NYY	139,040	W8UVZ	91,104

3.5 MHz		3.5 MHz	
EA2OP	114,075	WB3AVN	35,287
DJ2BW	110,618	W9LF	25,179
UA9CM	91,712	K1MEM	24,780
YU5FAA	86,184	W2FR	21,312
H31LR	79,356	N7EA	14,709
LZ2PP	73,233	WB9TIY	8,512

1.8 MHz		1.8 MHz	
G3SZA	21,960	K1PBW	11,040
K1PBW	11,040	W8LRL	6,232
OK1DIJ	9,006	W1BB/1	2,842
UC2AAK	8,262	W2IB	2,632
UA2FCW	8,126	K5GO	1,920
OK1DWF	6,820	AE6U	1,648

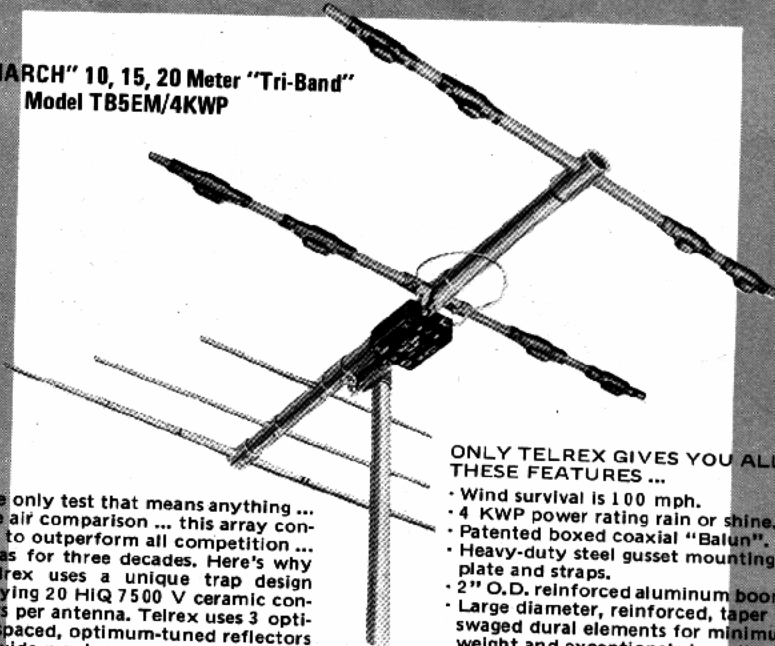
Multi-Op Single Transmitter	Multi-Op Single Transmitter		
NP4A	7,982,576	K5RC	4,148,784
R6F	7,966,368	N4AR	3,199,572
UK9AAN	6,357,553	W3BGN	3,045,549
HH2MC	5,426,104	N1AC	2,093,649
VP2SX	4,859,777	K2BK	1,998,461
EA9EU	4,200,839	N0NO	1,946,610

Multi-Op Multi-Transmitter	Multi-Op Multi-Transmitter		
PJ2CC	20,045,952	N2AA	8,542,056
9Y4W	16,835,172	K8LX	6,568,430
N2AA	8,542,056	K3WW	6,467,632
SK2KW	7,101,325	N9MM	5,951,372
DL0PG	6,846,726	K0RF	5,715,264
K8LX	6,568,430	W3FA	5,683,174

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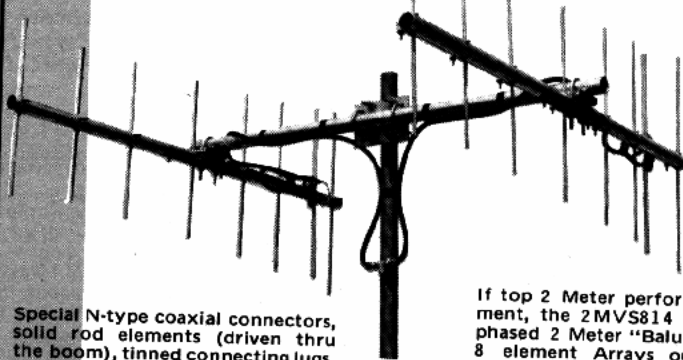
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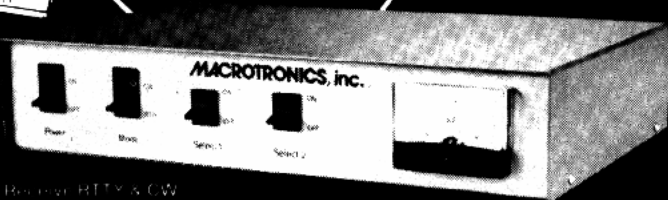
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**WORLD TOP TEN
QRP
(5w input)**

1. G4BUE 481,347
2. UB5CI 402,753
3. YT3L 374,661
4. OK1DKW 304,194
5. SM5CCT 256,365
6. WA4LOF 188,055
7. W5YZ 163,348
8. WA6POC 143,377
9. VE5JQ 70,512
10. K8DU 69,823

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

**C.W. RESULTS
SINGLE OPERATOR
NORTH AMERICA**

UNITED STATES

K1AR	A	2,635,224	1988	130	326
K1VTM		2,379,465	1863	118	319
			(Opr. K1JX)		
W1ZM	"	2,368,968	1730	126	346
			(Opr. K1ZM)		
W1CF	"	2,360,450	1768	125	332
			(Opr. K1UA)		
W1RR	"	1,935,549	1530	117	324
K1DG	"	1,867,455	1608	110	295
W1KM	"	1,840,440	1611	103	289
N1GL	"	1,456,420	1230	113	299
K1RX	"	1,081,598	1167	90	232
W1GG	"	602,196	672	96	225
W1FJ	"	383,130	507	78	192
WA1UZH	"	272,154	484	60	141
W1LOQ	"	231,352	353	74	168
W1OO	"	175,071	320	70	131
K1TN	"	172,860	285	66	149
KA1EP	"	165,620	361	61	108
AB1U	"	165,416	315	64	120
K1BV	"	155,991	331	55	108
W1WY	"	150,880	268	67	138
K1WJ	"	143,276	271	59	137
WB1AGO	"	120,228	248	52	120
W1FL	"	76,410	203	40	952
W1HX	"	68,675	142	66	109
K1MBQ	"	65,975	325	64	139
W1CNU	"	63,500	175	42	85
K1CC	"	40,713	126	40	83
KA1DS	"	36,000	125	33	67
W1SD	"	34,684	111	37	79
WA1KSF	"	28,362	112	25	62
WB1EYI	"	26,136	100	34	65
N1AU	"	23,808	86	35	61
WB1DFV	"	11,891	91	15	32
WA1VYT	"	8,500	59	16	34
W1CM	"	3,932	59	17	29
N1DC	"	3,744	53	22	30
W1OPJ	"	88	4	4	4
K1NA	28	291,126	823	29	82
AG1C	"	71,764	327	22	55
K1EMU	"	19,992	106	26	42
K1UU	"	11,475	80	12	39
W1TN	"	9,231	63	15	36
W1RM	21	450,120	1173	37	95
WA1FCN	"	159,444	528	30	73
K1SA	14	308,750	885	36	89
W1YN	"	254,750	885	34	81
K1WJL	"	104,760	334	30	78
K1WAI	7	83,678	345	21	65
K1VUT	"	16,578	115	13	41
K1MEM	3.5	24,780	130	16	54
K1PBW	1.8	11,040	85	14	32
W1BB/1	"	2,842	36	9	20
AA1K	"	1,302	44	7	14
WB1HIH	"	176	40	3	5
N2LT	A	2,326,170	1743	127	335
W2VJN	"	1,620,432	1368	113	319
W2YY	"	1,436,162	1417	81	257
K2DM	"	1,281,185	1322	96	231
W2YC	"	614,668	842	97	251
K2SX	"	715,204	729	101	255
K2TD	"	560,280	615	96	226
W2MR	"	520,025	608	87	218
W2LYL	"	482,300	658	76	184
K2MFY	"	424,751	561	78	191
W2NS	"	340,784	532	65	154
K2QL	"	266,844	428	67	155
W2FTY	"	235,104	363	77	160
K2VY	"	178,947	353	52	125
K2SPD	"	163,152	281	68	130
WA2ORX	"	132,612	274	56	116
K2PF	"	130,680	251	63	135
K2PE	"	129,642	198	53	121
WA2DPU	"	124,320	241	53	107
K2FS	"	110,670	222	58	128
WA2LJM	"	109,792	265	46	100
WB2LJK	"	82,225	213	48	95
K2QF	"	69,550	222	41	66
W2IY	"	66,690	147	66	105

Table with multiple columns listing radio equipment models and their prices. Includes items like W4B27B, W2FUI, W2SS, etc.

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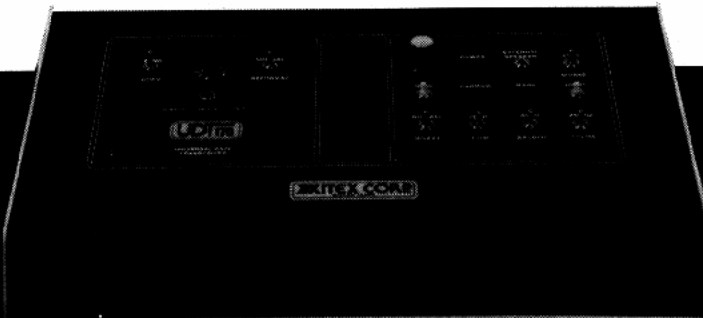
73 THE GISMO GANG

SERVICE DEPT. CALL 803-366-7158

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N6VR	3.5	8,256	98	14	18	W8GOC	175,638	298	69	150	W89SMU	2,555	29	14	21	
A6EU	1.8	1,848	83	8	8	W8QBQ	164,500	326	62	126	W8QA	196,699	843	30	77	
WA7NIN	A	1,954,612	2012	120	221	N8BJJ	158,472	300	58	128	W8NO	179,828	610	29	73	
			(Opr. N6TV)			K8QL	150,150	290	75	135	W8VA	148,100	514	28	72	
K7RI	"	1,826,992	1751	127	229	N8BC	136,324	293	58	115	W8VP	124,778	490	27	62	
W6RR/7	"	1,076,670	1148	109	206	K8SIA	126,144	254	65	127	W8WJ	112,224	410	27	69	
W7IR	"	1,070,000	996	125	250	W8MOV	125,080	235	66	122	K9WJU	98,688	363	26	70	
K7ZA	"	621,920	836	98	162	W8GBE	114,204	242	61	125					(Opr. AB1J)	
W7SE	"	261,171	522	70	133	A18M	100,951	244	58	99	W8YYG	70,383	283	25	62	
N7RT	"	282,586	452	76	153	W8UD	96,140	354	29	64	W8PHE	57,602	347	24	59	
W87FF	"	217,930	647	56	99	W8YR	93,867	173	74	127	K9MK	46,320	212	25	55	
N7AM	"	210,756	418	73	109	K8MR	84,309	196	59	98	W8EJE	40,710	226	21	48	
K7LAY	"	184,842	413	60	102	K8AC	70,028	157	59	105	W8LT	21	268,625	922	32	83
W7JYW	"	173,558	410	59	95	K8OT	69,440	183	49	91	K9RN	258,656	770	33	85	
W7TS	"	143,220	319	54	101	W8BJT	30,195	107	38	61	W8HIX	96,842	398	24	58	
W87USQ	"	129,270	352	58	81	K8LJG	23,310	94	34	56	W8DWO	94,374	311	33	74	
W7IIT	"	108,900	311	45	76	AF80	22,659	96	30	53	K9WYI	23,651	126	20	47	
K7CPC	"	105,203	278	45	79	N8MK	7,998	48	26	36	A19W	17,818	108	21	38	
KL7FDO/7	"	46,782	201	42	65	K8MVZ	4,428	36	16	25	W89TB	3,780	32	16	26	
W7JKA	"	37,440	116	43	74	K8HV	3,760	35	16	31	K9RS	37,146	168	23	59	
N7DX	"	36,985	217	31	34	K8HLJ	1,924	25	17	20	K9PG	6,720	52	17	31	
W7YS	"	36,540	141	36	54	K8NZ	309,632	906	31	87	W8LF	25,179	130	23	54	
W7KRM	"	36,480	134	36	60	N8II	309,222	864	32	91	W89TY	8,512	61	16	40	
K7LUC	"	24,518	112	39	43	K8MFO	272,056	755	31	93	K9M	3,400	44	10	24	
W7DR	"	9,185	64	24	41	W8WFC	244,640	777	29	81	K9HDE	945	12	5	7	
W87SQM	"	6,862	57	22	25	K8CX	235,764	748	29	79	W8CG	1,386	27	9	13	
W87BNP	"	1,914	28	18	15	W8TWA	131,040	474	29	67	W8CH	1,360	35	8	12	
W7WA	28	160,735	656	27	58	W8WSD	36,113	166	22	55	W8WP	1,061,450	1125	103	222	
W7EJ	"	104,896	425	28	60	W8WVU	24,505	136	20	45	NRGA	775,533	824	112	219	
N7TU	"	88,160	408	25	51	K8IA	408,590	1106	35	95	K9FX	623,766	766	99	187	
W87YHP	"	65,760	293	24	56	W8PKB	290,200	800	35	85	NRGT	579,370	816	88	165	
W1YY/7	"	38,760	206	21	47	W8QBA	212,892	642	32	81	W8IUB	483,975	725	80	159	
N7NW	"	5,160	49	13	27	K8CQI	5,735	82	14	17	W8HW	333,861	747	54	147	
N7XX	21	352,768	1140	30	76	K8ZH	440,496	1117	38	100	W8QZTN	260,400	387	80	160	
			(Opr. WA1KMK)			N8CC	288,408	814	34	88	W8WR	199,106	321	81	145	
N7RO	"	200,430	760	30	60	N8XE	4,995	45	16	29	W8VU	180,400	301	82	138	
AF7S	"	152,886	658	28	55	NRAGU	836	15	9	13	AG7A	179,340	302	72	138	
AJ7S	"	111,264	505	25	51	W8UVZ	91,184	318	29	75	AK7M	91,931	203	53	108	
K7AA	"	24,304	136	26	36	K8ND	56,090	309	21	50	W8QTV	71,736	206	48	74	
K7KJM	"	9,534	80	18	24	N8RA	26,480	177	15	45	W8QTA	40,824	252	63	99	
W7AYY	"	26,550	157	19	40	A8AS	6,176	76	9	23	W8UZ	20,169	88	32	51	
K7UR	7	142,740	560	27	63	K8BEC	4,235	63	11	24	W8LHS	20,086	86	32	51	
K7WA	"	29,280	223	18	30	W8LRL	6,232	80	11	30	K9IFL	19,076	82	29	47	
N7EA	3.5	14,308	136	15	26	K9DX	1,970,829	1576	126	315	W8QISW	12,716	76	30	38	
K7CW	"	3,753	51	10	17	K9BP	706,888	822	104	199	KA7ASU	11,448	68	29	43	
K7MKS	"	736	18	8	8	W9OP	625,989	800	91	182	NRAYM	7,544	61	13	33	
W87BFK	1.8	374	29	6	5	W8GEKA	320,944	537	67	141	W8YK	223,400	769	30	70	
			(Opr. K5WTA)			K9UON	213,195	407	58	135	W8YUI	80,655	300	27	68	
N8JW	A	1,098,984	1100	105	243	K9DAF	202,530	349	72	143	K87HA	69,126	289	24	58	
K8GL	"	830,726	820	107	252	W89DEE	177,660	309	69	141	W8UM	30,488	150	23	51	
K8US	"	465,630	672	82	173	W89DCL	167,980	277	76	151	W8VX	22,144	126	21	43	
W8QWI	"	437,684	618	71	176	N9ER	116,808	226	67	119	K8ZT	301,368	911	34	82	
W8TNO	"	381,240	497	87	183	W89GIL	110,110	347	33	77	NRAT	221,088	817	31	67	
K8JK	"	359,400	434	93	207	W89QWM	88,924	218	67	105	AJ7I	7,740	83	12	24	
K8SS	"	300,300	400	87	186	W89FBC	48,100	164	34	66	K8VW	3,597	40	15	18	
						K9CC	35,207	120	39	70	K8KX	423,025	1203	37	88	
						W89RT	27,600	103	45	55	W8FO	161,590	508	33	80	
						W89TNZ	19,600	86	27	53						
						W89HPG	17,621	103	24	43						

The UDT 170



The SMART TU for RTTY & MORSE

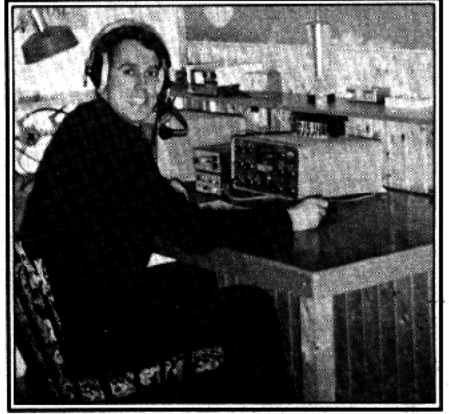
The UDT 170 Universal Data Transceiver will instantly convert any ASCII or Baudot teletype or video terminal into a multiple baud rate data transceiver for ASCII, Baudot or Morse operation. It features ...

- 170/850 HZ Shift
- Dual 6 pole active filters for weak signal operation
- ASCII/Baudot Regeneration with multiple baud rates
- CW Auto Ident (optional)
- 1-150 WPM Morse with Auto-track
- Computes & Displays WPM copy rate & Buffer Status
- Selectable line length from 40 to 80 characters
- Metal Enclosure 12"x7 1/4"x3 1/2"

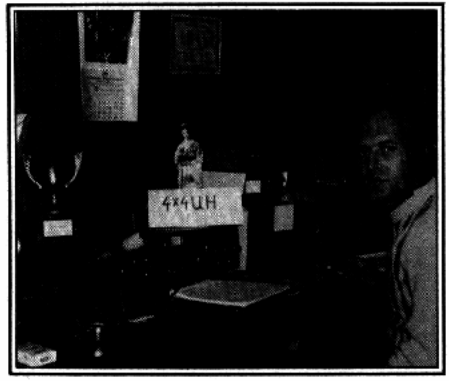
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Dallas, Texas 75243
(214) 349-2490



Wolff, DJ5JH.



4X4UH, David.

UK3XAB	1,568,160	2001	90	262
UK4WAB	1,492,224	1814	111	291
UK1AFA	848,292	1530	90	227
UK3UAA	598,640	1093	74	206
UK3DAU	547,932	970	84	224
UK4CAA	535,780	1034	77	224
UK3ABF	532,926	1139	68	210
UK4LAA	354,816	835	67	164
UK3WAC	56,400	431	72	75

KARELO-FINNISH REPUBLIC
UK1NAA 454,020 1130 63 147

LATVIA
UK26DZ 959,420 1313 98 258
UK2GAB 5,040 80 16 44

LITHUANIA
UK288B 3,451,896 2593 147 420
UK2PCR 2,585,856 2277 144 408
UK2BAS 2,777,544 2486 120 342
UK2PAP 2,044,620 1951 120 324
UK2PAQ 925,140 1396 85 255
UK2PAT 426,636 847 75 177
UK2PRC 400,200 754 79 197
UK2BBE 337,428 743 75 177
UK2BAF 193,479 891 47 96
UK2PAD 179,467 545 53 144
UK2BAB 165,396 542 55 124
UK2BBF 159,528 549 50 134
UK2BCG 74,661 536 33 90
UK2BAT 23,560 158 24 71
UK2PAQ 7,714 125 16 42

UKRAINE
UK5IAZ 3,010,172 3812 135 338
UK5QBE 1,853,610 2150 110 301
UK5QAA 618,728 1093 84 232
UK5MBE 441,045 1027 69 174
UK5MBQ 419,253 1012 61 176
UK5LAN 242,614 816 48 130
UK5IEG 129,440 478 47 113
UK5MDI 80,400 670 38 82
UK5LAK 26,600 158 27 49
UK5HAB 18,963 147 21 42
UK5UDX 8,800 77 21 34
UK5MAG 7,552 45 27 37

SOUTH AMERICA

URUGUAY
CX7CO 413,001 1318 32 77

VENEZUELA
YX5A 2,747,628 2726 101 241

MULTI-OPERATOR MULTI-TRANSMITTER NORTH AMERICA

UNITED STATES

N2AA	8,542,056	4677	167	461
K6LX	6,566,430	4018	162	404
K3WW	6,467,632	3727	162	442
N9MM	5,951,372	3523	170	432
K8RF	5,715,264	3668	166	378
W3FA	5,683,174	3344	152	422
W3MM	5,650,940	3395	155	425
W3RJ	5,274,060	2988	158	452
W3LPL	5,029,056	3024	150	426
N6ND	4,873,765	3517	147	338
N3RD	4,467,442	2721	154	420
K2UA	4,152,650	2740	141	388
W3GM	3,114,496	2134	145	367
N2RM	2,442,421	1774	127	352
N3LR	1,001,844	1047	98	234
W3GU	528,045	570	101	228

ALASKA

KL7Y 4,464,829 5470 110 213

BRITISH VIRGIN ISLANDS

VP2VEQ 4,674,108 4930 102 279

CAYMEN ISLANDS

ZF2AD 2,274,932 3334 92 206

GUATEMALA

TG8AA 2,411,520 3309 97 223

ASIA

JAPAN
JA3YKC 4,478,684 3311 158 318
JA3YBF 4,298,070 3630 115 307
JA2YEF 1,993,572 2178 114 210
JA1YXP 1,821,204 2045 114 194
JA7YAA 1,736,407 2018 120 222
JA1YHA 740,955 1120 102 133
JA3YOD 522,554 804 93 134
JH1YDT 486,746 900 74 120
JA4YQO 360,672 636 79 129

EUROPE

GERMANY (FRG)

DL8PG 5,846,726 5476 142 409
DL8KF 5,127,720 4803 133 386

FINLAND

OH1AA 5,375,696 4524 145 393

POLAND

SP3KEY 226,520 348 77 203

ROMANIA

YD8AJG 2,301,210 3452 125 280

SWEDEN

SK2KW 7,101,325 6416 146 381
SK5AJ 6,019,072 5528 143 369

SOUTH AMERICA

ARGENTINA

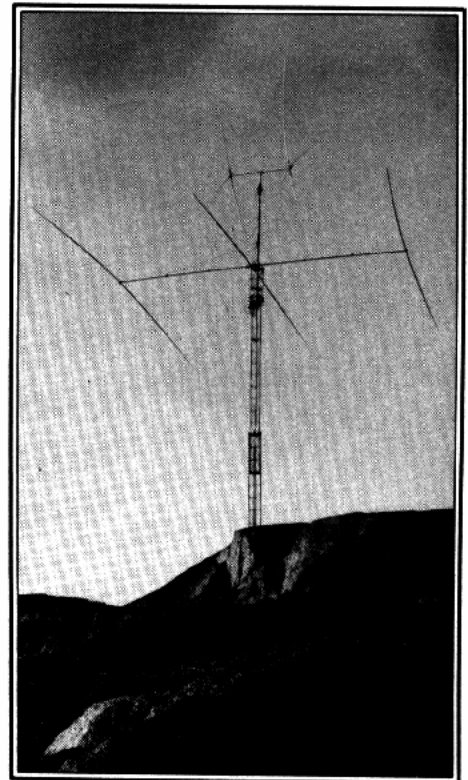
LU7X 915,400 1580 50 149

NETHERLAND ANTILLES

FJ2CC 20,045,952 11786 154 422

TRINIDAD

9Y4W 16,835,172 10380 148 395



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from Barker & Williamson, Inc.

BROAD BAND BALUNS

- Power Rating 2.5 KW-5 KW PEP
- Frequency Range 3.5-30 MHz
- SO 239 CONNECTOR

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50 ohms unbalanced to 50 ohms balanced

Model BC-2

50 ohms unbalanced to 200 ohms balanced

Model BC-3

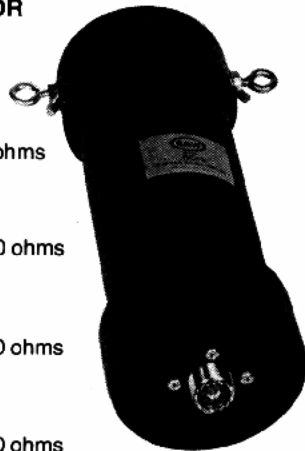
50 ohms unbalanced to 300 ohms balanced

Model BC-4

50 ohms unbalanced to 600 ohms balanced

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TIMETRAC

By Comus the microcomputer controlled appointment clock

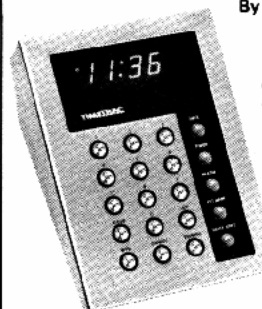
**THE ONLY CLOCK
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NONE CAN
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TIMETRAC FEATURES

- Sleek modern styling to complement any home or office decor.
- Tells the time.
- Tells the date and year.
- Up-timer to 60 minutes, 59 seconds with pause.
- Alarm to ring at the same time, everyday.
- Daily appointment sets appointments for the next 23 hours, 59 minutes.
- Future appointments up to one year.
- Dimmer switch for display.
- Memory will hold up to 30 appointments.
- Lithium power cell to retain memory during power outage.
- Appointments entered out of chronological order will be stored in chronological order.
- Colon flashes once each second.
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- Plugs into any wall outlet.
- Easy to read vacuum fluorescent display.
- Extremely accurate quartz crystal clock.



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CIRCLE 50 ON READER SERVICE CARD

WORLD

QRP SECTION

5 WATTS OR LESS INPUT

64BUE	A	481,347	923	63	174
UB5CI	"	402,753	734	79	229
YT3L	"	374,861	532	87	226
(opr. N1YU)					
OK1DKW	"	304,194	861	64	178
SM5CCT	"	258,365	549	68	175
WA4LD	"	188,055	337	71	128
W5YZ	"	163,348	308	64	130
WA6POC	"	143,577	393	47	82
VE5JQ	"	70,512	299	44	60
K8DU	"	69,823	199	43	88
N2GC	"	60,032	178	37	91
WA2JOC	"	55,822	146	41	96
UB5AAL	"	50,552	219	41	101
KX6MY	"	45,198	170	48	45
HP1XAT	"	44,044	400	25	27
UC2ACT	"	26,400	144	29	71
K04A	"	22,477	94	36	55
DM2DTG	"	14,706	142	25	66
WBVSK	"	10,877	59	15	24
UA6AKT	"	10,350	88	21	48
JR110S/2	"	9,845	82	25	30
K2HF	"	9,690	63	20	37
AB5N	"	9,568	84	26	26
N5ARB	"	7,480	55	24	31

KL7IBT	"	6,750	56	22	23
SM7CZC	"	3,080	36	18	26
SM3BP	"	1,537	29	11	18
WA2ZWH	28	71,295	258	27	70
JF1VVB	"	47,784	250	21	45
UM6B90	"	19,904	193	16	32
W1PWK	"	16,182	92	17	45
OK1MDK	"	12,366	83	19	35
DK2BJ/A	"	10,841	120	15	22
N8QR	"	9,477	94	16	23
PABANK	"	9,472	102	14	23
VE3LJU	"	9,240	108	14	26
JE1BOE	"	1,323	65	14	23
K1CGJ	21	75,256	289	26	66
JR6KRJ	"	56,019	276	24	47
SM5KAS	"	35,955	359	14	33
WB4BDB	"	24,540	145	20	40
J9A9UD	"	22,528	148	17	27
OK1JCH	"	3,256	55	11	21
SM7BNG	"	2,784	60	8	21
JH8DEH	"	2,392	39	11	12
WA7HDI	"	1,133	28	6	5
WB4YFF	"		127	15	4
CGA	"		62,228	384	25
UB5KBF	14		42,168	178	25
K3FN	"		5,776	95	10
DM2BPN	"		5,700	132	7
DM2FEI/P	7		5,203	79	8
OK1DCP	"		1,560	38	7
OK2BMA	"		497	26	4
JJ11NO	"		1,122	70	4
Y0ZCBZ	3.5		240	15	3
OK1MNV	"		4	2	2
JF19NV	1.8				

CHECK LOGS

Our deepest thanks to the following stations who sent in Check Logs:

A13E	AL7O	DA1UV	DM2ABL
DM2ACF	DM2ADC	DM2AHB	DM2ACX
DM2BML	DM2BTD	DM2BWA	DM2BWK
DM2CBA	DM2CKD	DM2CMF	DM2CDB
DM2DGE	DM2DZH	DM2FCI	DM2FII
DM2FVI	DM2FVI	DM2GDL	DM2JXJ
DM3EA	DM3FC	DM3OV	DM3PF
DM3SF	DM3PEY	DM3SF	DM3SBM
DM3WPL	DM3TYF	DM3WPL	DM3ZUE
DM4CM	DM4YSL	DM4ZC	DM4ZCF
DM5ZLD	GU3MBS/M	I0YWK	LA3FE
LA4AT	LA5VJ	LA5YJ	LA3FE
LA5VJ	LA5YJ	LA5YJ	LA75P
LA8CJ	LA8SE	LZ1AM	LZ1KDP
LZ1MT	LZ1QG	LZ1RU	LZ1UA
LZ1YF	N6OB	OH2BLD	OH2MM
OH5LJ	OH5GQ	OH6RE	OH5GQ
OH6RE	OK1DMP	OK1IAR	OH0MM/2
OK1US	OK2BMA	OK2SWD	OK3K3
OL6AWY	OX3RA	OY7ML	OZ1GIC
OZ2JZ	OZ8SF	OZ6XT	OZ7XU
PA0PLM	PA50VRC	PT2BW	PA0PLM
PA50VRC	PT2BW	PT7AW	RA3XBN
SM2COR	SM2JFO		

SM4ASI	SM4AZD	SM5AFE	UB5UBU
SM5EVQ	SM6AYM	UB5UDH	UB5UCH
SM6JNW	SM7QY	UB5ZK	UB5UD*
SM7TV	SP2JXM	UC2WBJ	UB5ZA
SP4KAI	SP5AD	UC2TAD	UB5ZAT
SP5ATO	SP5CFD	UK2BAG	UC2CFA
SP8BVO	SP9CDA	UK3AAK	SP9CTW
SP9DTH	SP9DTH	UK3DBV	SP9DTH
UA1AHQ	UA1AHQ	UK3AAA	UA1AHQ
UA1OSA	UA1OSA	UK4HBB	UA1OSA
UA2FEA	UA2FEA	UK5EAE	UA2FEA
UA3ABI	UA3ABI	UK6ABC	UA3ABI
UA3ALJ	UA3ALJ	UK6HCZ	UA3ALJ
UA3DER	UA3DER	UK7TAA	UA3DER
UA3DGL	UA3DGL	UK9CCR	UA3DGL
UA3DLD	UA3DLD	UP2AW	UA3DLD
UA3DLS	UA3DLS	UP2BVS	UA3DLS
UA3PDA	UA3PDA	UP2VU	UA3PDA
UA3QBP	UA3QBP	UQ2GGS	UA3QBP
UA3TDP	UA3TDP	UQ2MU	UA3TDP
UA3UBN	UA3UBN	UQ2PJ	UA3UBN
UA4AY	UA4AY	UT5DL	UA4AY
UA4HAN	UA4HAN	UT5L	UA4HAN
UA4HEJ	UA4HEJ	UT5SY	UA4HEJ
UA4HJA	UA4HJA	UV3DN	UA4HJA
UA4NET	UA4NET	UV3MW	UA4NET
UA4RT	UA4RT	UV3P	UA4RT
UA6AAO	UA6AAO	UV3Y	UA6AAO
UA6AB	UA6AB	UY5GG	UA6AB
UA6AKO	UA6AKO	UY5YB	UA6AKO
UA6AWE	UA6AWE	W1OCV	UA6AWE
UA6LXZ	UA6LXZ	W3CV	UA6LXZ
UA6XAE	UA6XAE	W9R	UA6XAE
UA9M	UA9M	WB2MCB	UA9M
UA9OBG	UA9OBG	WD9CJ	UA9OBG
UA9SBL	UA9SBL	YO4ATW	UA9SBL
UA9SDF	UA9SDF	YO4KRE	UA9SDF
UA9UOB	UA9UOB	YO5AY	UA9UOB
UA9URS	UA9URS	YO5BJW	UA9URS
UA9XS	UA9XS	YO6EZ	UA9XS
UA0ABC	UA0ABC	YU0XA	UA0ABC
UA0QCA	UA0QCA	YU4RS-6643	UA0QCA
UB5AAF	UB5AAF	YU4RS-6643	UB5AAF
UB5ABY	UB5ABY		UB5ABY
UB5EF	UB5EF		UB5EF
UB5EUN	UB5EUN		UB5EUN
UB5HCU	UB5HCU		UB5HCU
UB5IAR	UB5IAR		UB5IAR
UB5IIA	UB5IIA		UB5IIA
UB5JCR	UB5JCR		UB5JCR
UB5QEB	UB5QEB		UB5QEB
UB5QCP	UB5QCP		UB5QCP
UB5RAE	UB5RAE		UB5RAE
UB5SBM	UB5SBM		UB5SBM
UB5UBI	UB5UBI		UB5UBI

Addendum: Bill, K5GA, was inadvertently left out of the phone results. His score was 2,064,160 points, 1513 QSO's, 135 zones, 350 DXCC. Our apologies.

Disqualifications:
W6VPH: Excessive duplicates and broken calls.
ZK4BW: Excessive duplicates.



THE CONTEST

*'Twas a week till the contest and all thru the town
All the hams were preparin' with nary a frown.
We cleaned up our stations and got lots of rest
'Cause the contest demanded the peak of our best.*

*I was ready this year. I was willing and eager.
For the last fifteen years my scores had been meager.
This year would be different, I'd taken a vow.
I knew I could win it if Fate would allow.*

*The first year I tried TVI did me in
And I had to leave off where I'd planned to begin.
So I filtered and bypassed and shielded and grounded
Till I got rid of spurs and was no longer hounded.*

*The very next year my poor transmitter died.
The six one four six in the final got tried.
So I stocked up on spares of all sorts of parts;
Now the size of my junk box will gladden your hearts.*

*The third year I tried and I got on the air!
But my skill in the contest was ranked less than fair.
So I dug out my key and brushed up on the code
And I checked into nets in the SSB mode.*

*As each year went by, something different went wrong.
Each contest I tried, Murphy's Law was along.
I couldn't admit it to family or friend,
But this was my limit—I'd not try again.*

*There's no fighting Fate, some things aren't meant to be.
If I failed again then from contests I'd flee.
But I wasn't worried, I'd come out on top.
With fifteen years practice I just couldn't flop!*

*My station was perfect. There was naught that it lacked.
That I'd win this year's contest I knew for a fact.
I'd studied and practiced like a second career.
My whole goal in life was to win it this year.*

*I'd spent every evening and half of the night
Working DX till the dawn's early light.
I'd fine tuned my skills to the highest degree
And I'd studied the rules of the F C and C.*

*I'd harvest the contacts and reap such a score
That my record would stand for a dozen years more.
I dreamed of my conquest all night in my bed,
For little I knew of my troubles ahead!*

*The next morning's mail hit me just like a shock.
Uncle Charlie had written (on his famous pink stock)
A letter of warning (it's called a citation)
For working DX from an expired station.*

*I started at my ticket and found it was true.
My license had expired. I forgot to renew.
And then as I wept salty tears in my beer,
My wife said, "Don't cry dear. There's always next year."*

By Glen Charnock, WB6JKM