

34th ARRL DX



C.W.

COMPETITION

Phone

February 3-4 and 17-18, March 2-3 and 16-17, 1968

REPORTED BY BOB HILL,* WIARR

JUST to confirm the validity of that ancient Aristotelian axiom "What goes up must come down" (except for the cost of living, of course), we hereby restore gravity to its rightful place in the scheme of things by offering Exhibit A: the 1968 DX Competition. Dizzy from soaring to the rapturous record heights of 2427 logs in '67, the Hq. Contest Branch feels relatively earthbound after a mere 2225 from this year's Test. Yet even a near-10-percent dive in altitude still leaves us high enough so that we have to fumble for the oxygen masks. Decrease and all, it is nevertheless the all-time *second-highest* number of entries, comfortably exceeding 1959's figure of just under 2000. Any more "flops" like this one and we may need to vanish into a complete vacuum somewhere for a couple of weeks.

Scores, in general, were also also down. We're not really sure why, though the demise of ten meters the second c.w. weekend was one noticeable factor. Even more puzzling was the drop in number of countries reporting: only 116 this year vs. 135 for the previous affair.

This was our second year of experience with the new format (no quotas; states and provinces as multipliers for DX; KH6 and KL7 counting as DX), and nearly everyone considers it a vast improvement over previous systems. There was no decrease in one category: the number of comments to the effect that the ARRL DX Competition is still the King of Contests! There were scattered complaints that the Test is too long and should be reduced to one weekend per mode; a few QRPs wistfully longed for a low-power multiplier—but the vast majority now seems content. So don't expect any startling changes for the 1969 fracas (except in your station, of course, which you're going to improve so that you can beat that so-and-so in the next county).

Your reporter gratefully acknowledges the help of K1ZND and W1DGL, who patiently plowed through stacks and stacks of logs and typed most of the scores. Processing this contest is no one-man job.

* Assistant Communications Manager, ARRL



Two merry gentlemen are W1AX (left) and K1DIR (right), as they reminisce about their exploits in the Test. Bob and Roger ran one-two in EMass, pouring 5½ million points into 128 Contest Club coffers. (Or it could be that they're thinking about next year . . .)

Clubs

Twenty-seven ARRL-affiliated clubs rang up 133 million points this year, compared to 25 clubs and 147 million points the year before. Faithful readers will not be astonished to learn that the **Potomac Valley Radio Club** juggernaut continues to flatten everything in its path. (We'd tell you who topped PVRC both modes, but we swore this would be one writeup in which W4KFC wouldn't get mentioned.) What a bunch of Gavel Gerties! Perennial rival **Frankford Radio Club** had to settle for the Avis spot again in 1968, with W3WJD heading the gang on both c.w. and phone. The **Southern California DX Club** again was third, and again was chased hard by that enemy to the north, the **Northern California DX Club**. With only ten entrants (but what ten entrants!), the **128 Contest Club** ground out almost seven million points and took the 5th niche. New York's **Order of Boiled Owls** flew out of the cauldron and roosted in 6th, not

"The ecstasy and the agony—with the latter predominant!" — W4KFC



far behind. Organized after two of the four weekends were already over, the Connecticut-West-Mass **Murphy's Marauders** aggregation stormed to a 7th-place finish—what a demonstration of enthusiasm! what a formidable foe for future Tests! (What a coincidence that your reporter started the club!) The **Northern Illinois DX Assn.** needed just 13 entries to go over the 4-meg mark and capture 8th position. The new **Laurentian DX Club** of Quebec showed that it must be taken very seriously in years to come. And the **Connecticut Wireless Assn.** rounds out the top ten.

It's always interesting, and often revealing, to break down the club scores by mode—not many clubs can boast of having equal versatility on both phone and c.w. Here's how they stack up when reckoned in this manner:

C.W.	Position	PHONE
Potomac Valley RC	1	Potomac Valley RC
Frankford RC	2	So. Calif. DX Club
So. Calif. DX Club	3	Frankford RC
No. Calif. DX Club	4	No. Calif. DX Club
Order of Boiled Owls	5	128 Contest Club
128 Contest Club	6	No. Illinois DX Assn.
Conn. Wireless Assn.	7	Laurentian DX Club
Murphy's Marauders	8	Murphy's Marauders
Niagara Frontier DX Assn.	9	Central Mich. ARC
Laurentian DX Club	10	Golden Triangle DX Club

Two famous G-men pose for a snap. That's **G2RO** on the left; Bob had no trouble looking happy after rolling up Europe's second-high c.w. score after a tough battle with **G4CP**. Al, **G3FXB**, took third place; no doubt you've worked him on 40 meters at one time or another.

Disqualifications

The calls listed in this paragraph are all deemed ineligible for score listings or awards. In each case, disqualification was under Contest Rule #14 in view of non-adherence to FCC rules as reported by at least two accredited Official Observers, or by a single FCC citation or advisory notice. Such violations as out-of-band operation (carrier or sidebands), spurious emissions, etc., were the basis for these disqualifications. *C.w.:* W1BPW, W2CP, W2GGL, W2WZ, W3YUW (K3s FGO FPY, W3s BGN YUW, oprs.), WA3ATX/3, WA5LUM, K6MG, W6SRF, W9LKJ. *Phone:* WB2YPM, K3AIG, K3HTZ, K3NND, W3BGN, W3EVW (W3EVW, WA3-EPB, oprs.), W3HHK (WB2APG, W3HHK, oprs.), K4OSE (K4ZLE, WA6KHA, W7ZUX, WAØCWA, oprs.), K4YYL, W4BVV (W1DYE, K3NPV, W3BQV, W4BVV, oprs.), WA4IKU, W5KTW, K6NA, W6EWN/3, W6UUI (DLTJY, W6BXL, WB6s AWS FID, oprs.), WB6MPP, K7ADD/3, WA7FAB (KL7FSJ, W7BDR, WA7FAB, oprs.), K8CGD, K8HZU, W8UM (WB2FIT, W8CQN, WA8s HHO LYF RGT ROJ, oprs.), W8-WPC, WA8OSE, WA8PWZ, WØKHL (WØs KHL LDB, oprs.)



AFFILIATED CLUB SCORES

	Aggregate	Entries	C.W. Winner	Phone Winner
Potomac Valley Radio Club	30,256,682	57	W4KFC	W4KFC
Frankford Radio Club	24,520,145	78	W3WJD	W3WJD
Southern California DX Club	16,825,739	55	K6NA	W6RR
Northern California DX Club	13,699,205	65	K6OHJ	W6WX
128 Contest Club (Mass.)	6,897,164	10	(W6BHY, opr.)	(K1DIR
Order of Boiled Owls of New York	6,440,644	16	WB2GKS	W2CME
Murphy's Marauders (Conn.)	4,118,477	48	W1DJG	WA1DJG
Northern Illinois DX Assn.	4,083,164	13	W9QQN	W9BZW
Laurentian DX Club	3,547,435	13	VE2YI	VE2YI
Connecticut Wireless Assn.	3,379,434	11	W1BGD/2	W1BHII
Niagara Frontier DX Assn. (N.Y.)	2,954,163	12	K2KNV	K2DDJ
Central Michigan Amateur Radio Club	2,838,625	10	W8SH	W8SH
Golden Triangle DX Club (Fla.)	2,438,162	5	(K1ZND, opr.)	(K1ZND, opr.)
South Jersey Radio Assn.	2,174,361	33	W2GGT	W2CME
Miami Valley Amateur Radio Contest Society (Ohio)	1,952,401	10	W8ZJM	W8LXU
West Park Radiops (Ohio)	1,649,082	22	K8CFH	K8CFH
Arlinc Amateur Radio Club (Md.)	1,149,921	5	W3BQN	W3BQN
Ohio Valley Amateur Radio Assn.	1,094,073	11	W8BVF	W8HBR
Suffolk County Radio Club (N.Y.)	921,567	4	W2ZV	WB2FON
Order of Boiled Owls of Ohio	803,536	4	K8EHU	.....
Grumman Amateur Radio Club (N.Y.)	656,743	6	W2DKM	.....
Westchester Amateur Radio Assn. (N.Y.)	512,571	4	.....	WB2ZMK
Delta Radio Club (Tenn.)	181,341	4	.....	WA5RCM
Four Lakes Amateur Radio Club (Wis.)	157,701	4	W9SCZ	.....
Springfield Amateur Radio Club (Ohio)	105,672	7	WA8ZGC	W8OG
Oak Park Amateur Radio Club (Mich.)	63,939	4	W8DQL	.....
Irving Amateur Radio Club (Tex.)	38,340	3	.....	W5TTY

TOP TEN

Single Operator

C.W.	DX	Phone					
W/VE	W/VE	DX					
W9WNV/2	1,833,352	ZD8J	3,277,116	K1DIR	1,445,745	KH6IJ	3,799,962
W3WJD	1,526,220	HK3RQ	3,230,166	W7ESK	1,413,666	HK3RQ	3,755,000
K1DIR	1,477,350	VP2VL	3,084,300	W6RR	1,374,078	YS1XEE	2,721,888
W4KFC	1,420,650	KH6IJ	3,051,270	W3WJD	1,326,150	CE6EZ	2,451,456
W1AX	1,396,850	PY2SO	2,809,131	W4QBK	1,125,884	EA3JE	2,052,819
W2VJN	1,395,240	HK3BAE	2,638,725	W1AX	1,125,408	8R1G	2,050,428
W3GM	1,350,734	PY2BGL	2,603,259	W8SH	1,079,154	XE1AE	2,039,688
W3MVB	1,254,176	PZ1AH	2,074,698	W9AQW	979,209	DJ6QT	1,872,000
K4BAI	1,156,872	VK2EO	1,962,900	W5KTR	946,158	KH6BZF	1,654,209
W9AQW	1,091,232	GI3OQR	1,746,528	K8YBU	933,660	PY7AKQ	1,640,520

Manners & Morals

(A Play in Three Acts and Too Many Performances)

As the curtain rises, the Chorus intones: "Nothing in life is certain except death and taxes—and plenty of Rotten Operating in the DX Contest. Excessive duplicates; calling DX stations in pileups without knowing their calls; barging in on call-area CQs when another call area has been specified; improper signing (or no signing at all); calling banned countries . . . Old soldiers just fade away; old habits apparently don't."

Act I: The Persistence of (Poor) Memory; or, Unpack Your Troubles From That Old Duplikit Bag. In this Act, we proffer the suggestion that, while it is laudable to renew old friendships, there is a limit. Here is a sample of the dialogue: "I thought *QST* was quite clear about avoiding duplicates and was surprised when so many fellows couldn't keep track of their VQ9s! Words cannot fully express my venomous thoughts over those duplicates—snarl!"—VQ9B. How true, but words are the only vehicle we have right now. Let's tune in on a few from ZD8J, who, as might be expected, comes through loud and clear: "Clearing my log of duplicates this year required between 20 and 30 hours. In another contest, if I am again in the DX position, and not sufficiently cooled off over all this, I plan to delete completely from my log all stations having duplicate contacts. Instead, they will be specially listed as stations with which I was definitely *not* in contact: no credit allowable." Hw cpy, OM? And KL7IR, tongue lodged firmly in cheek, offers words of "praise": "To the lads that I worked twice (and sometimes thrice) on each band, I can only say 'thanks.' But to the rest of the gang that I worked only once on each band, I can only marvel. They must have access to UNIVAC for instant elimination of duplicate Test contacts!" In the former category are those who think Op Aid 6 is some kind of soft drink. . . . "I still burn at the thought of jerks who jump first and find out who they've worked after I've logged the (usually) duplicate," fumes K2SIL/KH6 (now KH6GNE). But wait! W1BDI BGD/2 and W5BUK, to mention a few, have just rushed onstage carrying a sword that cuts both ways, and protesting, "Why don't some of these DX stations ever sign their calls?" For sure that's one reason for much of the inadvertent reworking, no? At any rate, the fences on both sides could use a little mending.

Act II: The Identity Crisis; or, Who Was That Masked Man Anyway? We present a sensible soliloquy by W9GFF: "There shouldn't be a very long list of acceptable W/K scores to print in *QST* if failure to observe regulations causes disqualifications. 97.87 is a sadly neglected or misunderstood regulation. Almost no one transmitted the other guy's call even once, and very rare to find anyone signing even his own call at the end of QSO as the new, simplified(?) regs require."

. . . "Super break-in" is ZD8J's wry appellation for this ploy of dubious legality. Man, these guys are as elusive as Howard Hughes.

Act III: Forbidden Fruit; or, Strike Out the Banned. Another entrant from Nine-Land has the floor: "I heard stations calling HS and XV5. Remind the boys that the multiplier is band-countries, not banned-countries!" Yes indeed, and three of the boys (1) called K8NHW/XV5, (2) worked him, and (3) blithely put him in their Test logs. Eeech!

Epilogue: Brickbats and Bouquets; or, Virtue, Though Battered and Bleeding, Is Triumphant. Sort Of. WA9NSR complains that too many WB6s were S9 plus 20–20 kHz., that is . . . WAIIGF, WA4IKU, W5BUK, K8OUA, and a cast of thousands, all wonder why W/VE stations persistently bray CQ TEST, thereby effectively clobbering four AC6s, three 4S7s, two 9M8s, one VR6, and a partridge in a pear-tree. . . . While most of the participants agreed that the call-area CQs by DX work nicely on phone, WØBWJ stipulates that it ain't so hot if the DX station absent-mindedly skips a district. And WA3EFH vents a bit of wrath on the ones who specify the district they want, then proceed to work anybody that calls, regardless of whether or not they happen to be in that district. . . . South of the border, down South America way, a couple of the top scorers blended pats on the back with pats lower and harder: "Activity showed to be improved this year, with the same good ops as ever and a few not so good—as the W2 who gave us 599 on 80, then asked five times repetition of serial number. Or W4—, who need a memory tonic, for he repeated four times his QSO on 20."—LU8DLK, opr. at LU8DQ. . . . "Operating practices were superb from *almost* all the participants. The 'almost' means a few guys still insisting, in the middle of the contest, in passing their names, QTHs, power, kind of transmitter and receiver, mikes, aerials, and almost the brand and color of their refrigerators and typewriters. On 10 meters a 9-plus-40 very persistent fellow, after the few words contest QSO, insisted more than six consecutive times, when I said QRZ, in asking my name and QTH. With such a big signal the QRM was tremendous and I couldn't copy anybody, so I finally came back and told him my QTH is OK in the *Callbook* and my name is NABUCODONOSOR. He came back very fast and begged, 'Please, how do you spell it?' Of course, I moved to 15 meters."—HK3RQ.

Our grim drama has a happy ending, however. W5QHD, opr. at ET3USA, "would like to compliment the Stateside boys on their courteous operation." . . . "Was fun to hear 7P8AR and KH6BZF handle the pileups—they blended a little humor and common sense into what otherwise would have turned into nasty fights."—K1GUD. . . . "Thanks to W6QFU, who sent me an airmail letter apologizing for a duplicate QSO." —ZL1HW. And so, as the curtain falls and the setting sun sinks slowly into the east, we can hear only a confused babble of voices angrily muttering, "The DX Test is *fun!* The DX Test is *fun!!* The DX Test is *FUN!!!*" . . . EXEUNT OMNES.

Doodles

Scramble Two (or More): *5H3KJ* wound up in several dozen c.w. logs as "HH3KJ." Anybody seen a whole batch of missing digits? . . . *HB9UB*'s distinctive Swiss swing resulted in many loggings of "VS9UB" and, even more improbably, "4S9UB." One W8 worked two 4S9s. . . . Phone men were not exempt from the alphabet-soup syndrome, either: "CR8RA" appeared more than once, while 8P6 QSOs seemed scarcer than "HP6s" and "XP6s." Our favorite comment, even though it left us totally bewildered, came from a W3: "My biggest thrill was working XP6AY long-path!" . . . Sore-fingered but still smiling, *PY2SO* admits: "Among the exotic calls heard during the last hours of each c.w. weekend, JY2SO, PK2SO and WY2SO were all me." . . . *K0UJN* strongly suspects that the "OU1JA" he worked on phone may not have been entirely genuine.



A superb score and a flawlessly-typed log were the contributions of **CR6CK**. With this modest but attractive layout, Tony sent code to over 2100 W/VE contesters; his 1.1 meg was a solid top for mainland Africa, second only to ZD8J for plaque honors.

The World Below 14 MHz: "Six new countries on 40 in this contest make 182 on 7-MHz. phone: CR4BC, DU1FH, SV0WL, VK9GN, VU2MSK, 7P8AR." —*K2GXI*. . . . "40-meter phone U.S. were terrific on longpath." —*VU2MSK*. . . . "5W1AT was my #141 on 3.5 MHz. I'm still stuck at 245 countries on 7 MHz," announced *W3MFW*, for whom we can work up only limited sympathy. Russ uses a 3-element switched array on 80 and a 2-element whirly on 40. . . . "Heard many W1s and W3s on 3.8-plus during second weekend, but unfortunately I did not break through despite much calling on 3.799. I guess I picked a bad channel." —*ZD7KH*. . . . "This year KAs were authorized on 80 meters for the first time and this was a great help in the multiplier department. All my phone QSOs with the East Coast were first-time contacts between there and Japan. The highlight of the phone portion was working Sam, W1FZJ/KP4, even though it didn't count for the contest." —*KA7AB* (now back at K1KTH). . . . "Three new ones on 80: 5W1AT, W6GEB/KS4, KG6-ALV. Missed VS6DD, the one I needed most. Best 80-meter sigs were JA1BRK, VQ9JW/P, G3LP, OA4PF, FP8DZ and VK2EO for contest WAC." —*W1SWX*. . . . "I did not hear one W/VE signal on 1.8 MHz, although I QSO'd JA2CLI and JA4IO for their first VK 'top-band'." —*VK5KO*. "We beg the pardon of W9YB, W4-BVV, and W6RW, but their sigs failed to reach Buenos Aires on 160, being the band very noisy." —*LU8DQ*.

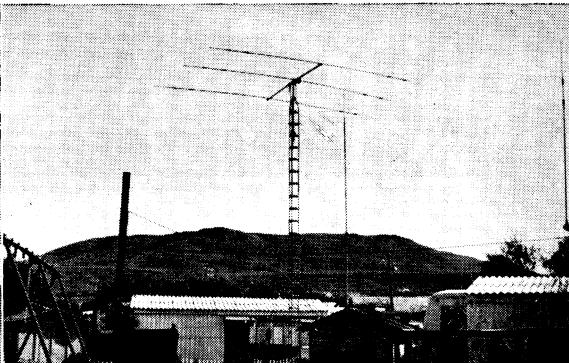
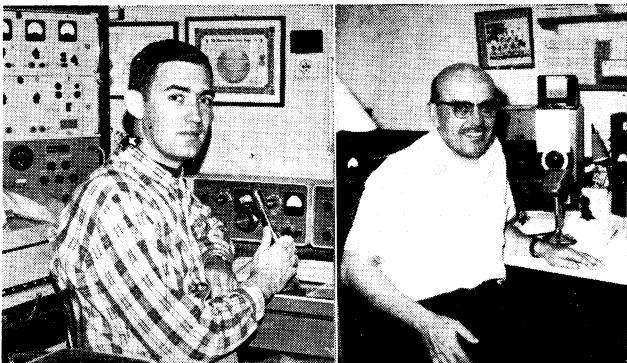
Triumphs and Tragedies: With ten meters completely dead between the East Coast and Europe the second c.w. weekend, W6s got an unexpected dividend: a fantastic opening to Eu between 1700-1900Z on Sunday. . . . "I am very sorry that I was just one QSO short of one million points!" —*5H3KJ*. . . . "20M s.s.b. netted 102 countries in the first 24 hours." —*W3ZKH/3*. . . . "Why do the G/VK/ZL boys wait till the contest to comment on my call?" —*WA9RAT*. . . . "Thought the world ended at W6 for a long time but eventually got through the W6 curtain." —*VK5FH*. . . . "Many CQs

were needed to entice the DX to tune above 21.1 MHz." —*WN1ION*. . . . "Sure needed VO for my broom! (I drank some later.)" —*VR3DY*. . . . Then you could have had a call like *KH6GIZ/W6* to sign. . . . "Yahoo! The one-million goal is reached!" —*UA3KBO*. . . . "I operated from an apartment house which I own and had lots of interference from my tenants paying rent, etc." —*W0ACT*. What a nuisance—all those people shoving all that money at you. . . . "We probably had the youngest operator. Our logger, *WN0TSI*, is only ten years old." —*WA0EMS*, opr. at *K0BXI*. Don't the child-labor laws cover this sort of thing? . . . "A 10-minute ragchew with *PX1PA* was required to get his power." —*W0BGX*. . . . "I am receiving many QSL cards from the contest QSOs and they are leaving off the 'G' in *HPIXHG*, so they automatically go into the circular file." —*HPIXHG*. . . . Much confusion during the second weekends as Stateside entrants with their new twenty-buck two-letter calls had to struggle to avoid duplicate QSOs with DX stations they'd worked the previous weekend under the old calls. . . . "Noticed activity to be down considerably from last year." —*W3TMZ*. . . . "Once again another vy FB contest bites the dust. Several of our ops also bit quite a lot of dust, fighting with the antennas in an 80-m.p.h. wind during the second leg." —*G3SXZ*, opr. at *GGVC*. . . . "Two weekends in contest and two weekends making a clear log." —*XE2AAG*. . . . "My low power, low antenna and low operating skill didn't hinder me at all—I still did terrible." —*WA7JCB*. . . . "It's necessary to be a Hercules to do the contest, hi." —*CT1MW*. Or a *PZ1AH*—check out Andre's last name in the *Callbook*. . . . "So vy tired." —*JA1CG*. . . . "Sure is tough trying to work into W/VE with an American accent, low power and poorly-placed antennas. To make it worse, many W/VE stations thought FØ was a pirate call." —*F0DA*. . . . "Four out of seven straight weekends is just too much to ask the XYL to tolerate! The first weekend she was very pleasant, the second weekend she made facetious remarks about my steadfastness to get a good score, by the third weekend the flavor of her comments was sarcastic; when the fourth weekend arrived, her sarcastic attitude changed to downright vicious anger!" —*K4WUM*. . . . "Had to QRT during an 80-contact-an-hour session on 10 meters the first weekend when the next-door neighbor banged on the door, pushed past my pregnant wife almost knocking her down, stomped into the radio shack, tore the earphones off my head and flung them on the floor, announced I was interfering with *Dakarti* on his TV, and stomped out before I had a chance to get out of my chair. The XYL got hysterical and would not let me continue despite the fact that our own TV in the next room was not affected in the slightest!" —*LA0AD*.

California: "First in war, first in peace, and last in Santa Clara Valley?" —*WA6QQI*. Nope, Doug, . . . even close to last, but it was a good line anyway. . . .

Knocking them off faster than a speeding bullet—a 75-watt Ranger signal more powerful than a locomotive—able to leap huge pileups in a single bound—it was **PZ1AH gathering in more than 2 million points via the code route. Andre knocked off 6-band exchanges with **WA3EPT**, **W3MF**, **W3TMZ** and **W4BVV**.**





A couple of SVs who have been around: **SVØWL** (ex-DL5CL, currently W3CJK) and **SVØWP** (formerly W2EYQ, KH6HAA, K4HAA, now W6CMH), both hotly pursued by eager W/VEs in the Test. Some of the Cretan Mediterranean at SVØWL is visible at right. SVØWP thought the contest was terrific except for marginal 10-meter conditions.



Shown here holding a microphone, **VO1HH** keyed his way to nearly 300 thou in the c.w. portion of the Test. Max advocates one weekend per mode, says it would increase the number of DXpeditions.



From the mysterious Orient, operators James (pictured here) and Tim of **BV2A** inscrutably doled out a 20-meter Taiwan multiplier to 53 panting W/VE combatants and softly, enigmatically padded away . . .

"Durocher was right: nice guys never win," says W6-KJS, who won . . . Some of the NCDXC boys still resent the fact that use of a spotting-net puts the user in the multioperator category. Come on, fellas: what's the difference between having a friend feeding you multiplied information over the air and feeding you multiplied information from a second receiver right in your shack? . . . There's QRM and there's QRM, 'twould seem. San Francisco's KBKQN found his hearing hindered by firecrackers going off in the street during Chinese New Year.

Barbed Wireless: Candidates are now being considered for the Contest Branch's "Schlump-of-the-Month Club." To be nominated for this award, you must have committed one or more of the following atrocities in connection with your DX Test log: (1) Pounded no less than 38 staples into the log, stickling them in randomly so that we would have the maximum amount of trouble removing them and reassembling the log after inspecting it. Bonus points awarded if you inserted at least one staple in such a way that it severely gouged a thumb or other digital extremity of the log-checker. (2) Entered your section as N.Y., Cal., Fla., Tex., if you happened to live in one of those states. This enabled us to spend many happy hours looking you up in the Section Finder so that we could list your score under the proper section heading. (3) Sent us a card or radiogram—preferably at the very last minute before the start of the contest—asking for "some" (sic) log-sheets (being careful not in any way to indicate how many sheets you wanted or how many QSOs you expected to make)—then (and this is important) scrawling a sarcastic note on your log something like this: "Thanks a lot for the three log-sheets—they were only 25 less than I needed!" This gives us a warm feeling, because obviously you credit us with extrasensory perception; we should have known how many you were going to use. . . . Okay, now we feel better. Guess what we're trying to say is this: (1) Go easy on the staples—one or two is perfectly adequate. (2) Put your section, not your state, on the log-sheets. (3) Don't wait till the last minute to request log-sheets—and please specify how many you want. It's 100 two-ways per sheet (50 to a side).

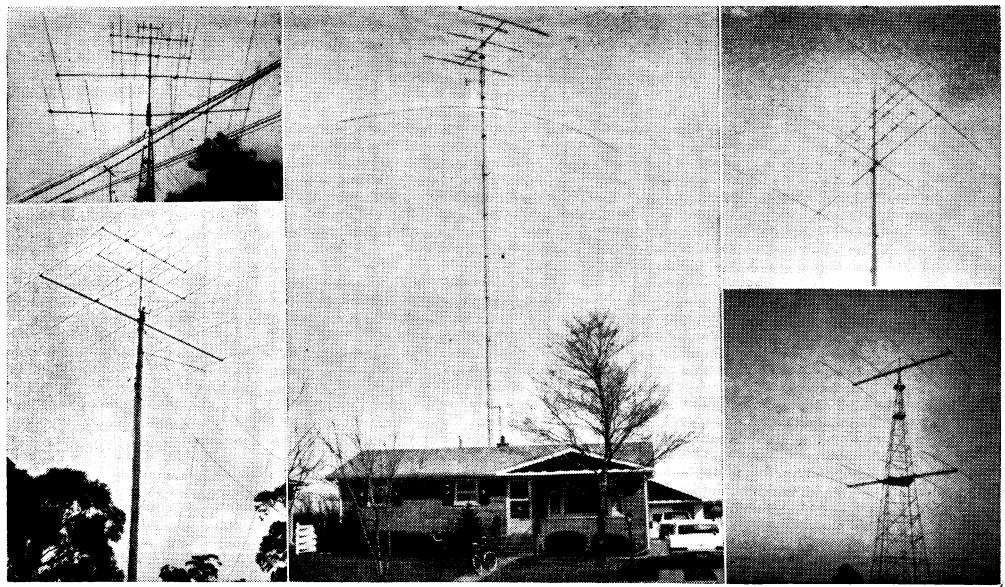
Stuff Left Over: In the Who-Was-Who Dep't., you might have run across such ex-DX as W4SYL (ex-KP4AOO), VE7YB (ex-DL2DM), W4SKW (ex-KZ5-GN), WA6BOU (ex-VP5AR/VQ9AR), W9EXE (ex-VR5AR), and W6CYZ (ex-KP4UB). . . . Another ex is Fred, formerly HI8XAL, who, as HS3AL, is now QRL trying to unThai that knotty ITU ban. . . . "Everyone wanted to know why the four letters: in Mexico, 'P' is used for portable."—W6KGJ, opr. at XE2-PTBC. . . . What better way to end things than with this little note from OT W4NO: "I wonder how many contestants remember the first ARRL DX Contest—little 'canned' messages, etc.? Like the world itself, this contest was more hectic than the first—but, like the world, still a lot of fun."

W1DIT	186,045-157-395-	C-48	Maine	W6FLT	22,356- 54-138-BC-30	W6VVR	9600- 40- 80- C-20		
K1GUD	151,059-129-391-	C-30	K8GHE/1	9102- 37- 82- B-16	K6BXI	3045- 21- 49- C-12	K6TZX	7548- 37- 68- A- 7	
K1PNS	115,584-128-301-BC-70		New Hampshire	W6EJA	1998- 18- 37- C- 8	W6BKRW/6	6534- 33- 66-BC-10		
WA1GYP	96,768-126-256-	A-40	W1DXB	215,712-168-428- A-57	WA6IVN*	514,848-248-711- C-61	W6PLS	5568- 32- 58- C- 6	
K1THQ	80,253-111-241- A-25		W1FZ	36,168- 88-137- C-	W6RGG	(K6s ALH EBB, W6RGG)*	KH6GIZ/6	2964- 26- 38- B-14	
K1HTV	77,469-119-217- A-		W1SWX	27,783- 63-147- B-	W6LDD*	184,599-159-387- C-	W6KNM	1344- 16- 28- A-	
K9CVO/1	75,681-119-212- A-40				WA6UFW	(K6AUC, WA6UFW)	K6DXM (W6CUF opr.)	W6CUF (W6CUF opr.)	
K1UDD	72,885-113-215- B-22					63,840- 95-224- C-23		788,580-260-1011- C-61	
W1CNU	72,261-111-217- B-18		Rhode Island					W6WX*	711,633-257-923- C-77
WA1FJU	54,570- 85-214- A-20		WA1BLC	62,415- 95-221- A-	WA7GES	74,493- 93-267- A-35	W6GQK (K6OZL, W6s GQK SR)	566,784-246-768- C-76	
WA1HNR	39,600- 99-134- B-13		WA1AWE	30,015- 69-145- A-	W7CRT	60,900-105-193- C-36	K6CQF (K6COF, VE3DXV)	330,770-194-571- C-64	
W1LVQ*	33,210- 82-135- B-		W1GOG	4410- 35- 42- B- 4	W7TVF	16,335- 55- 99- B-18	W6JKJ*	158,319-147-359- C-34	
WA1CJE	30,480- 80-127- A-10				W7VIU	6327- 37- 57- A-10	WB6KIG*	43,065- 87-165- C-10	
W1BDI	26,532- 67-133-BC-15						WØDAD/6*	14,418- 54- 89- C-	
W1ICP**	22,275- 55-135- C-15								
W1YYMM*	19,494- 54-114- C- 5		W1ETV	145,580-145-337- A-56					
W4NQA/1**			W1AYK	47,310- 83-190-BC-15					
	18,600- 62-100- A-		WA1HXU	26,520- 61-148- A-					
W1FTX	16,932- 68- 83- A- 8		WIPEG	21,780- 55-132- B-40					
WA1IGF	13,671- 49- 93- B-18								
W1OPB	11,088- 48- 77- A-21								
W1IKE**	9933- 43- 77- C-		W1EZD	345,462-206-559- C-36					
WA1IED	8100- 15- 24- A-26		WA1ABW	21,306- 67-106- A-12					
W1EEN**	6327- 37- 57- B-		W1YK (W1KTS, WA1ABW)	1122- 17- 22- A- 2					
K1TFA	3105- 23- 45- A- 5								
WA1CQW	2277- 23- 33- A-13								
K1TKS	798- 14- 19- B- 4								
W1WCQ	612- 12- 17- A- 2								
WA1IUL	561- 11- 17- B- 7								
WA1CYT	363- 11- 11- A- 2								
K1CEC	216- 8- 9- C- 1								
WA1JCX	12- 2- 2- A- 6								
WIEJL (W1s ARR EJL)	27,324- 69-132- B-								
Eastern Massachusetts									
K1DIR	1,477,350-350-1407- C-80								
W1AX	1,396,853-350-1331- C-68								
K1YKT	478,265-237-675-AB-52								
WA1AXA	410,142-218-673-BC-54								
WA1FFU	496,875-217-625- C-								
W1FJJ	182,160-176-345- C-19								
W1NIY	158,034-154-342- C-34								
W1MO	108,069-163-221-AB-25								
W1BQL	90,768-122-248-BC-32								
W1EHT	76,608-133-192- B-28								
W1DAL	40,959- 91-150- A-								
K4LAY/1	38,986-101-129- A-48								
W1ESN	20,160- 60-112- C-20								
W1PLJ	3321- 27- 41- B-12								
W1EQY	1425- 19- 25- A-15								
W1WB	630- 10- 21- A-								
WN1ION	304- 8- 16- A- 5								
W1WMH	6- 1- 2- A- 1								
W1MX (WAs 2KZV 4TTG)			W6KJS	328,005-185-591-BC-50	W6QOQI	17,385- 61- 95- B-	W4BNV (7 opr.)	585- 13- 15- B- 3	
SENO)	329,088-192-574- C-		WB6TOJ (WB6HDH opr.)	281,250-150-625- C-82	W6CLM	10,260- 38- 90- C-35		4,173,162-469-2970-AC-96	



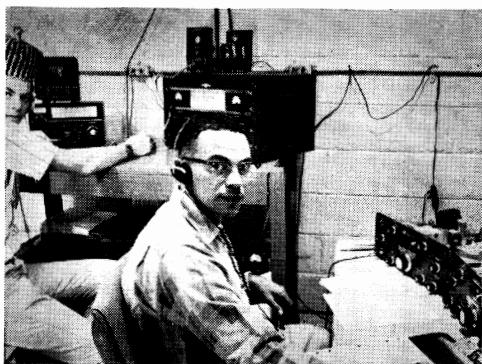
Let's peruse Peru's one-two punch in the A3 set-to. At left is Eduardo, **OA4JR**, who logged 2356 two-ways and was particularly pleased by the number of QSOs on 40. On the right we spy **OA6BU** (Edward is a Jesuit missionary, back home signs W9IBT), who got into the Test to work "one or two of the boys" and wound up working 1660 of them.





These browny aerial arrangements are likely to make you even more dissatisfied with your feeble dipoles. Upper left, the fine homebrew lashup of **JA1NDO**: the 45' tower (not counting mast extension) supports 6L for 15 at 49', 4L for 20 at 50', 4L for 10 at 65', 6L for 6 at 68', 5L for 2 at 71'. Lower left, using a 100-foot ungued mast as superstructure, **VK2FU** has a 40-meter two-element fixed quad at 55', 75-meter dipole at 75', 20-meter 5L at 81', 15-meter 4L at 92', 10-meter 5L at 100'. A super structure indeed! Upper right, the Big Bertha at **K3JH** manufactures some authoritative signals. What it is, exactly, is 3L on 40 at 77', 6L on 10 at 86', 5L on 15 at 96', 5L on 20 at 104', 15L on 2 at 109', 6L on 6 at 113'. K3JH has been known to be S9. Lower right, **W9DUB** himself tells it best: "All elements driven; top stack turns; bottom stack fixed on Europe; each stack has 8 elements, voltage-fed at center for 10 and 15 meters, and 4 elements for 20 meters current-fed; stacking spacing 36'; tower height 70', L-networks for matching each or both at base of tower." Center, right in the middle of suburbia grows this 120-foot tower at **W9EXE**, no doubt startling unwary visitors in the neighborhood. At the top is a TH6DX for 10-15-20; at the 100-foot point is a 1/2-wave 40-meter dipole fixed at 60/240 degrees; a 4-over-4 array for 2 meters roosts at 110'; and an 80-meter slanted vertical (erected for contests only) runs to the tree in front of the house. The black spot in the center is a plastic-bottle balun.

K4ZA/4 (5 oprs.) 1,511,895-357-1413-AC-50	SOUTHEASTERN DIVISION			WB6YCT 2574-22-39- B-20	
W4KXV (7 oprs.) 1,415,232-336-1408-AC-48	<i>Alabama</i>			W6HS 1650-11-50- C- 4	
K4CG (K3WUW, WA4WJJ, WA4TFX) 868,296-299-968- C-96	W4GRG 658,944-256-858- C-71	K4OA	199,950-155-430- C-50	W6RW (7 oprs.) 2,563,146-393-2174-AC-96	
W8AZD 100,068-124-269- B-33	W4KVC 213,120-185-384- C-65			W6NJU (W6NJU, WB6HGU) 268,752-176-509- C-	
WA3HAN/8 67,912-104-218-	W4USM 14,220- 60- 79- A- 9			W6UU1 (4 oprs.) 235,620-165-476- C-	
W4JK (4 oprs.) 658,208-268-822- C-91	SOUTHWESTERN DIVISION			<i>Orange</i>	
<i>West Virginia</i>	W4LCP 963,072-304-1056- C-79	W7EKE 612,300-260-785- C-80		WB6RTY 579,510-235-822- C-84	
W8BJ 4662- 37- 42- A-20	W4BRB 695,156-259-002- A-85	W7AYY 326,550-175-622- C-60		W6LCX 252,252-156-539- C-62	
WA8TYF/8 429- 11- 13- A- 2	W4FY 227,430-190-399- C-53	W7ATV 218,370-174-419- C-53		WA6TLL 124,992-124-336- A-53	
WA8VLM 210- 7- 10- B- 5	W4HOS 226,995-185-409-AB-57	K7TYP 6572- 31- 71- A-27		W6QFU 65,165- 90-242- C-39	
K8MYU 54,999- 97-189- B-18	K4YFQ 225,624-158-476- C-30	W7UUU 918- 17- 18- A-14		WA7FHHD/6	53,172- 84-211- A-51
W8BJ 4662- 37- 42- A-20	K4CL 194,220-166-390- C-72	K7HQN 675- 15- 15- B- 4		WB6RTY 15,360- 40-128- C-16	
WA8TYF/8 429- 11- 13- A- 2	W4LVV 189,805-187-339- C-36	<i>Los Angeles</i>		W6LHZ 5508- 27- 68- B-22	
WA8VLM 210- 7- 10- B- 5	W4CHA 134,994-149-302- C-38	K6NA 678,249-221-1023- C-		W6ANN (4 oprs.) 1,068,210-286-1245-BC-92	
ROCKY MOUNTAIN DIVISION	K4DSN 93,366-126-247- B-22	W6TZD 539,136-216-832- C-59		W6CCP (W6s AOA CCP) 301,896-162-621- C-50	
<i>Colorado</i>	W1AGP/4 82,026-126-217- A-28	K6EV 408,000-160-850- C-		WB6CWD (WB6s CWD WEG) 258,570-169-510- C-	
WA0CVS 400,428-227-590- C-59	WB4DJT 49,875- 75-222- B-	W6GEN 311,298-169-614- A-90		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
WA0NBZ 17,304- 56-103-AB-30	W4RTX 40,020- 92-145- B-18	W6FSJ 301,896-162-621- C-50		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
K9JJB 1980- 20- 33- A-12	W4ALCO 39,015- 85-153-AC-39	W6VNJ 258,570-169-510- C-		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
New Mexico	WA4SDK 35,721- 81-147- A-34	W6AM 256,224-157-544- C-61		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
W5ODJ 260,370-165-526- C-96	W4YBV 34,320- 88-139- C-	W6EJJ 176,580-135-436- C-64		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
K5STL 21,420- 84- 85- C-23	K4ZD 31,920- 80-133- C-27	WB6SKJ 118,080-123-320- C-51		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
K5MAT 972- 18- 18- A- 6	W4FFF 20,130- 61-110- C-11	WB6HDG 97,308-102-318- C-56		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
W5QNQ 12- 2- 2- A- 1	W4ILE 9030- 43- 70- C- 6	W6BUD 81,096-109-248- C-40		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
Utah	W4EEO 15,552- 72- 72- B-30	W6JKR 80,250-107-250- B-39		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
W7NPU 247,923-169-489- C-61	W4ILE 9030- 43- 70- C- 6	W6APH 66,126-103-214- C-56		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
K7RAJ 61,740-105-196- C-19	W4LEP 198- 6- 11- B- 2	K6YFZ 55,890- 90-207- B-30		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
<i>Wyoming</i>	W4ZXI (6 oprs.) 2,229,993-381-1951- C-96	W6ONG 50,880-108-163- C-23		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
K7AYF (K6QPH, opr.)	K4BAI 1,156,872-344-1121-AC-90	W6LDA 13,536- 63-137- A-		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
K4EZ 24,975- 75-111- B-	K4EZ 437,644-268-547-BC-45	W6LWX 14,256- 48- 99- C-35		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
		DL7JY/K6 4935- 35- 47-BC-11		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
		W6KHK 4464- 31- 48- A-19		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
		W6FW 4050- 30- 45- C-12		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
		W6RGE 3750- 25- 50- -		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	
		WB6DPV 13,440- 40-112- A-21		WB6OLR (WB6s CZR LBP, WB6LFR) 118,080-123-320- C-51	



ET3FMA, wheeled around by K4FMA (left) and W6-HOH (right), took multioperator honors from the Dark Continent on c.w.; in fact, only LU8DQ had a higher score in that category from anywhere outside W/VE. Don, K4FMA, has returned to the States; Charlie, W6-HOH, now languishes in Ethiopia in SWL status.

WEST GULF DIVISION **W5KFL (K5LZO, W5KFL,
Northern Texas WA5LES)** **697,788-284-819- C-90**

W5DWT 656,820-267-821- C-55
W5LGG 597,840-265-752- C-56
W5OGS 579,510-282-685- C-80
K5QMC 69,216-103-224-BC-65
WA5RQA 65,076-116-187- C-43
W5PQY 13,230- 42-105- C-21
WA5QEZ 6732- 33- 68- C-
W5QGZ 5250- 35- 50- B- 5
W5MSG 240- 8- 10-AB- 5
W5EQT (W5 EQT OBS TKB) 796,073-281-945- C-88

CANADIAN DIVISION

Maritime

VO1AW 342,633-181-631- C-45
VO1HH 290,079-167-590- C-49
VE1EK 52,800- 88-200- A-26
VE1AE 20,250- 45-150- A-
VE1AJ 14,448- 56- 86- A-31
VE1DB 8568- 34- 85- B-10
VE1WP 5046- 29- 58- A- 7

Oklahoma

K5BOC 361,335-221-545- C-68
W5SIH 107,640-138-260- C-47
W5PWG 2079- 21- 33- B-10
K5CYK 462- 11- 14- B- 8

K5JAW 999,192-316-1054- C-82
W5BRR 674,262-282-797- C-58
W5WZQ 515,916-306-562- C-55
K2EUI/5 304,416-224-453- C-42
W5LJT 178,017-173-343- C-30
W5MCO 146,475-155-315- B-56
K5YUR 15,138- 58- 87- C-27
W5QNY 9682- 47- 69- A-45
W5ACL 864- 16- 18- C- 8

Quebec

VE2YU 508,326-247-686- C-64
VE2WA 379,992-223-508- C-
VE2NV 361,020-220-547- A-70
VE2BV 303,952-176-578- B-72
VE2DCW 180,885-155-389- A-51
VE2AYU 113,283-123-307- A-69
VE2BGJ 62,856-108-194- A-
VE2BFS 22,680- 56-135- B-17

Ontario

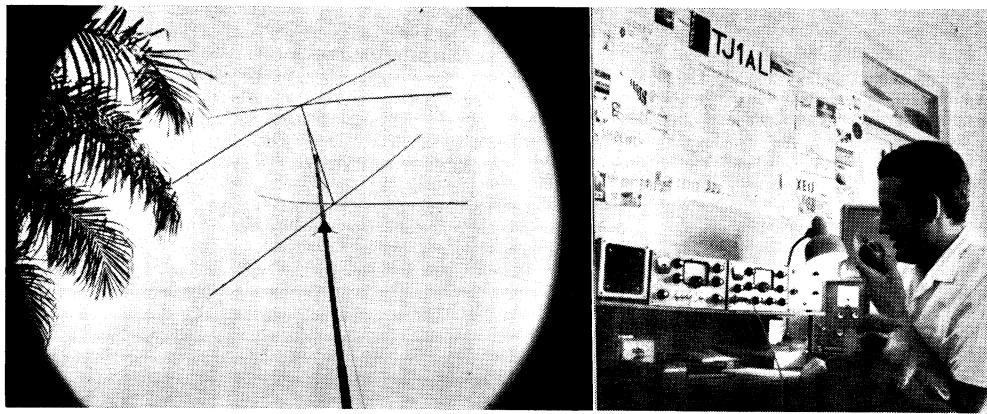
Southern Texas

VE2BMB 158,064-148-356- B-52
VE3DBB 125,244-142-294- B-65
VE3BWA 64,260-102-210- B-34
VE3ES 62,376- 92-226- B-29
VE3WB 48,510- 98-165- B-49

Over 300 OSO's/Band — DX

	80	40	20	15	10		80	40	20	15	10
CR6CK			535	714	761	OKIARN				313	
CR6EI					359	OK1GT				554	769
EL2Y		303	346			OK1KTL*		383	514	657	
ET3FMA*		1198	742	541		OK1VB				334	
ET3USA*		748	488			OK2RZ				436	
TJ1QQ		344		301		OK3CEG		327		426	
ZD8J	680	1113	1522	1111		ON4XG			378	419	
ZS6BMD				384		OZ1LO			572	538	308
5H3KJ		661				OZ5DX				429	
9G1HM		473		742	791	OZ7BG			509	493	
9J2MX					417	OZ7OF			540	420	
EP3AM			690			PA4LOU		320	643	385	
JA1BRK		516	763			SM6CKV		356	1000	565	
JA1CWZ	303	509	667			SV9WP			770	697	
JA2JAA		443	505			UA1IA			331		
JA3LGG			352			UA2KAP*			368		
KA2NY*		428				UA3KBO*			705		561
KA7AB		404	946			UA4KHW*			609		
UAØAG		542				UB5KKA			777		
UAØKCO*		421	362			UQ2KCR*			323		
UAØKFG*		631	663			UY1BCD*		385	601	919	
UAØKZB*		484				H18IBC			533		
UW9OA		713				H18LC			457		
VU2KV		432				H18RV		366	902	380	
DJ5BV		705	774			HPIBR			348		
DJ3WU		412	474			HPIXHG		326	893	593	381
DL1VU*	303	520	718			KL7IR			421	689	
DL4EG		481	686			XE2AAG		361	537	722	560
DL5JX		458				KH6IJ			586	758	1067
DL6WD		464	611			K2SIL/KH6			432	353	452
DL7GK			311			VK2EO			363	1063	679
EA2DT			322			K3APJ		320	1243		774
E19J		485	540			K3AXK				474	
F8VJ		354				K4QFM				620	
F8ZF		330				K5FPM				375	
G2DC		448	306		47	L1AFW				365	
G2RO		754	404			L1AMQ				612	
G3APN		323				L1HW				404	
G3FXB		516	517			PY1BCA					628
G4CP		656	487	310		PY1NO			312	446	490
G6VC*	328	634	304	319		PY2BRO			300		
GC3IEW		410	548	359		PY2BGL			1045	1069	1161
GI3OQR	438	825	645	435		PY2SO			1407	1099	1063
GM5AI			386			PZ1AH			841	739	931
GW3ITZ*		475	444	305		YV1DP/5			419	493	486
HA5KDQ		427	352			YV1OB		307	348	403	428
HA8UD		372				YV5BOA			648	429	
HB9DX			315			9Y4LA				337	
HB9JG		429	721								
HB9UB	373	563	1102								
HB9Z		522	651								
IIAMO		357	562								
IIASE			419								
IIBLF			432								
LAØAD		520	467								
OE4SZW		306	737								
OH2TI*		849	663								
OK1AHZ			417								
OK1AOX			301								

* Multioperator station.



TJ1AL was a popular item on 21-MHz. phone with a homebrew 3L quad 35° skyward; Gerard and friend are at right. S.s.b. and a triband quad arrived too late for Test purposes.

<i>Sint Maarten</i>		<i>Territory of New Guinea</i>		<i>Maryland-D.C.</i>	
PJ5MJ (PJ2ME, W2BBK)	560,205-177-1055- A-	VK9GN	233,376-136-572- A-	PY2BBO	170,046- 94-603- A-
British Virgin Islands	VP2VL 3,084,300-298-3450- B-	Fanning & Christmas Is.	VR3DY	PY1CKV	6642- 27- 82- A-
Bahama Islands	VP7DX 1,263,339-231-1823- A-32	New Zealand	ZL1AFW	PZ1AH	2,074,698-237-2921- A-
Mexico	XE2AAG 1,655,698-233-2370- A-	Samoa	ZL1HW	Surinam	293,763-181-541- B-
El Salvador	YS1O 10,800- 48- 75- C- 3	Chile	ZL1AMQ	Venezuela	279,600-200-466- B-42
OCEANIA	CE2CR 143,397-113-430- A-	Uruguay	YV1OB	W3GRF	186,372-167-372- C-30
Guam	CX1OP 49,104- 66-248- C-11	CX1BBV	YV5AGD	W3AXW	185,562-183-338- C-29
K0ILLI/KG6	KG6AAY (K8RXD, W6EIF)	Colombia	YV1DP/5	W3AYD	164,754-162-339- C-33
KH6IJ	58,536- 72-271- C-11	HK3RQ	YV1OB	WA3GTX	156,372-157-332- A-
K2SII/KH6	3,051,270-270-3767- C-69	HK3BAE	YV5AGD	W3KDD	148,050- 94-525- C-33
KH6AA	1,401,048-244-1914- C-27	2,638,725-233-3775- B-58	YV1DP/5	K3VAB	104,949-117-299- C-65
Australia	4500- 25- 60- A- 9	HK3ASJ	YV5BOA	W3HVM	101,106-123-274- B-50
VK2EO	2,210,264-232-3200- C-86	Antarctica	Trinidad & Tobago	WA3DCG	80,250-161-166- C-33
VK3APJ	528,372-156-1129- A-42	KC4USM	9Y4LA	K3AHB	62,916-107-196- C-28
VK3AXK	274,701-127-721- A-	467,775-135-1155- C-49	YV5BOA	WA3JEA	30,750- 82-125- C-12
VK4FH	223,587-117-637- A-8	LU8DQ (4 oprs.)	3,230,166-263-4095- C-	W3PWO	22,791- 71-107- C-14
VK2VN	140,784-112-419- A- 9	OA4PF	1,236,150-350-1263- C-83	WA3GLP	19,314- 58-111- A-30
VK5PH	100,332- 54-620- A-	2,113,076-206-1882-BC-	W3ZKH/3 (9 oprs.)	W3FX	14,706- 57- 86- C-13
VK4QM	68,100- 50-454- A-	Argentina	W3DRD	K3CBW	3600- 30- 40- C- 6
VK2AND	30,912- 56-186- A-	W3GM	75,327-119-211- C-33	W3CSZ	1767- 19- 31- A- 4
VK5KO	4950- 33- 50- A- 3	PY2SO	1,295,134-274-797- C-50	W3AWN	1584- 22- 24- C- 8
VK3QV	3940- 20- 66- A- 5	PY2BGL	W3RNY	W3ZKH/3 (9 oprs.)	1350- 18- 25- C- 3
VK3APN	(VK3s APN OP QK)	2,809,131-247-3956- C-70	W3IYE (K3KOZ, W3IYE)	4,841,424-504-3202-C-96	
	179,760-105-571- A-	PY1NO	203,940-165-412- C-50	W3MVB (W3s FA MVB)	357,600-200-596- C-51
		PY1BCA	601,398-258-777- C-80	W3GN (W3s GN KMV)	341,496-216-527- C-73
		W3ATX/3	386,529-221-583- C-48	WA3EPT (6 oprs.)	237,120-190-416-AC-67
		W3MWC	256,680-155-552- C-24	K3JYZ (K3LCH, W3DVA)	126,630-134-315- C-43
		K3FGO	251,991-183-459- C-47	Southern New Jersey	
		W3BYX	216,630-145-498-AC-68	K2QIL	353,832-184-641- C-65
		K3QDV	187,014-142-439- C-32	W2CME	280,419-211-443- C-70
		W3GHM	186,588-146-426- C-44	W2QKJ	260,610-170-511- C-
		W3PSW	167,400-150-372- C-62	W2BHK	246,627-201-409- C-50
		W3ECR	150,804-177-284- C-14	K2PZF	228,126-193-394- C-63
		W3GRS	150,150-154-325- C-42	W3UNJ/2	105,000-125-280- C-42
		W3CGS	127,463-139-307- B-31	WA2IZS	83,187-117-237- B-
		W3EQA	121,716-139-292- C-31	W2QDY	80,256- 88-304- B-
		W3ALB	81,144- 98-275-AC-16	WB2SCK	77,256-111-232-AC-28
		W3NOH	72,750- 97-250- C-25	WB2BF	76,612-107-239- C-25
		W3KDF	70,296-101-232- C-25	W2DMR	70,596-106-222- C-30
		W3AFC	63,933-101-211- -	W2HXF	59,724- 84-237- B-63
		W3WPG	61,200-102-200- A-31	W2SDO	40,689- 99-137- C-60
		W3ECR	56,682- 94-201- C-20	W2ZUL	31,374- 63-166- C-35
		W3CAA	56,430- 99-109- C-12	W2PJC	25,740- 65-132- C-14
		W3VHV	50,912- 86-198- -	K2CPR	25,200- 70-120- A-
		WA3FQJ	43,011- 81-177- C-15	WB2EUU	21,450- 55-130- A-
		W3INH	29,520- 82-120- C-	WA2ORU	21,240- 59-120- A-17
		W3GHD	900- 15- 20- A- 7	WB2RVX	15,582- 53- 98- C-12
		WA3GUL	576- 12- 16- A- 2	W2FHY	13,311- 51- 87- B-56
		W3YUW	351- 9- 13- C- 2	K2SQM	11,562- 47- 82- B-12
		W3KT (W3MCO, W3KT)	2,522,480- C-	WB2MNM	7068- 38- 62- A- 5
		W3NLM	526,176-252-606- C-	K2AA (W2FYS, opr.)	
		W3EAD	451,143-217-693- C-64	6150- 41- 50- A-18	
		W3CBF	327,698-178-615- C-53	WA2BZV	6090- 29- 70- B-12
		K3MNT	327,698-178-615- C-53	W2PFQ	3840- 32- 40- B-14
		K3EUR	3120- 26- 40- C-14	W2OWA	3120- 26- 40- C-14
		K3GYS	2520- 21- 40- A- 5	WB2UVB	2520- 21- 40- A- 5
		W3EAN	2,186,588-146-426- C-44	W2HDW	1836- 18- 34- A- 4
		W3KT (W3MCO, W3KT)	1,790-105-571- A-	K2MKD	900- 15- 20- A- 3
		W3NLM	1,790-105-571- A-	W2PAU (W3s ESX PAU)	
		W3EAD	1,790-105-571- A-	160,054-158-338- B-49	
		W3CBF	1,790-105-571- A-	WB2ZJR (WB2s WRP ZJR)	
		K3MNT	1,790-105-571- A-	19,215- 61-105-AB-30	
		K3EUR	1,790-105-571- A-	W2GGT (W2s GGT SDB)	
		K3GYS	1,790-105-571- A-	9504- 44- 72- C- 4	
		W3EAN	1,790-105-571- A-		
		W3KT (W3MCO, W3KT)	1,790-105-571- A-		

QRP CHAMPS (150 Watts or Less at All Times)

C.W.

Phone

W4BRB.....695,156	WA1DJG.....434,340
W8QXQ.....407,700	VE2NV.....373,434
VE2NV.....361,020	W8ECA.....344,925
W6GEN.....311,298	K4OLC.....310,128
W4CRW.....285,600	VE2BV.....300,390
W2HUG.....281,184	W4DQD.....287,532
W2DKM.....250,860	W2DKM.....262,980
W2HDW.....250,056	K1THQ.....232,480
W1DXB.....215,712	WA1ANR.....249,948
WB2RK.....208,824	WA4UXU.....237,357

Western New York

W2FZJ 348,153-237-510- C-50
 K2DJ 332,904-194-572- C-62
 WB2YQH 301,800-203-503- C-51
 K2KNV 95,780-133-240- C-28
 W2SSC 85,068-102-278- C-20
 K2GX1 70,455-105-224- C-42
 WA2CYQ 54,747-79-231- B-22
 WA2BEX 50,007-79-211- B-17
 W2FXA 23,328-72-108- C- 8
 WB2WSP 21,825-75- 97- A-
 W2EJ 20,160-60-112- C-15
 WB2SJT 2442-22-37- A- 9
 WA2OIL 867-17-17- A-15
 WB2HZG (WB2s ERE HZG)
 155,820-140-371- C-37

Western Pennsylvania

W3BVP 273,513-173-527- B-44
 WA3GJU 102,555-129-265- A-26
 W3QZH 92,520-120-257- C-49
 W3OJW 45,465-105-149- A-
 WA3ENR 45,408-86-176- A-40
 K3AKR 23,184-69-112- C-44
 K3PZU 14,396-59- 82- C-16
 WA3EJG 11,742-38-103- A-46
 K3HKK (K3ATH, opr.)
 11,610-43- 90- B- 4

W3KVS 9288-43-72- A-30
 W3VK 7236- 36- 67-
 WA3EFH 3645-27- 45- C-15

CENTRAL DIVISION

Illinois

W9BZW 556,920-255-728- C-65
 W9QQN 444,744-281-568- C-60
 W9JJV 186,465-155-401- C-65
 W9DWQ 159,390-161-330- C-26
 K9JZV 166,818-158-352- C-53
 K9BJM 132,132-143-308- P-57
 WA9TFM 105,570-138-255- A-
 W9QDQ 88,059-149-197- C-36
 W9FIU 81,153-127-213- C-37
 K9DTZ 80,496-129-208- C-38
 WA9HJM 68,355-105-217- A-51
 W9GFF 64,092-109-196- C-42
 W9ARV 58,500-100-195-C-32
 WA9NFL 52,143-91-191- A-34
 K9QFR 48,654-102-159- B-18
 K9KOD 41,496-91-152- C-26
 W9WYB 34,800-80-145- C-
 K9KDI 33,150-78-142- A-
 WA9NJB 27,537- 67-137-AB-24
 WA9TUM 26,130- 67-130- A-12
 W9JTT 19,764- 61-108- C-20
 K9IDQ 19,404- 66- 98- B-
 W9CRN 18,156- 68- 89- B-
 K9UCR 16,611- 49-113- -
 W9WKU 11,076- 52- 71- B-10
 W9EVX 8772- 43- 68- A-14
 K9MNT 5850- 39- 50- A-19
 WA9UHD 585- 13- 15- A-15
 W9BGX (K4HNA, K9WEH,
 W9ICE)
 1,033,604-338-1020-C-96
 W9EXE (K9YOE, W9EXE,
 WA9RAT)
 991,452-319-1036-C-92

991,452-319-1036-C-92

K9PPJ (K9PPJ, WA9UFV)
 118,011-139-283- C-30

W9YYG (W9YYG, WA9s NVF
 QNU) 15,552- 54- 96- C-14

K9QFZ (K9SF QFZ RJP)
 7385- 35- 71- A-20

DAKOTA DIVISION

DAKOTA DIVISION

Minnesota

WA9KDI 232,800-194-400- C-62

WA9GCP 216,300-175-412- C-45

WA0LDK 142,884-147-324- C-42

W0IJM 140,220-164-285- C-41

WA0OZB 18,048- 64- 94- B-24

WA0EPM 13,959- 47- 99- A-20

WA0AA (WA0SEN, opr.)

WA0OZB 5856- 32- 61- C-10

WA0RUE 1848- 22- 28- A-25

W0LOL (W0LOL FAN)

715,680-284-840- C-

WA0CJU (9 oprs.)

450,288-236-636- C-

WA0NOJ (4 oprs.)

118,706-122-343- B-55

North Dakota

WA0PPK 1008- 16- 21- A- 4

South Dakota

WA9SXW (WA9RLM SXR)

A-34 (VXT)

40,545- 85-159- A-

WA9CPX 288,768-188-512- C-

W0ACT 61,380- 99-208-AC-64

WISCONSIN

WA9EWC 896,148-292-1023- C-72

W9DUB 639,132-241-884- C-90

W9RQM 221,160-152-485- B-40

W9GIL 199,800-150-444- C-

WA9JDT 67,035-109-205- C-28

WA9ETL 35,424-82-144- A-33

W9ODD (W8APN, opr.)

23,424- 64-122- C- 9

W9GMV 10,972- 52- 71- B-10

WA9NSR 2088- 24- 29- A- 8

W9CIA 1764- 21- 28- A-

WA9JDK 630- 14- 15- B- 4

W9WEN 231- 7- 11- A- 4

W9YT (4 oprs.)

679,758-277-818- C-68

DIVISION LEADERS

C.W.	Phone	C.W.	Phone	
Single Operator	Multioperator	Single Operator	Multioperator	
W3WJD	W3TMZ	Atlantic	W3WJD	W3ZKH/3
W9AQW	W9YT	Central	W9AQW	W9BGX
W0BLZ	WA0CJU	Dakota	W0BLZ	W0LOL
W5IOU	.....	Delta	W4NBV	WA5RMC
W8SH	WA8MCR	Great Lakes	W8SH	W8NGO
W9WNV/2	K2AHQ	Hudson	W2JSX	WB2CKS
W0TDR	.....	Midwest	W0LBS	W0BA
K1DIR	W1MX	New England	K1DIR	WA1DCE
W7DV	W7SFA	Northwestern	W7ESK	W7SFA
W6HVN	K6DXM	Pacific	W6WX	K6OHJ
W4KFC	W4BVV	Roanoke	K8YBU	WA4HTR
W0CVS	.....	Rocky Mountain	K7RAJ	W0ICH
K4BAI	W4ZXI	Southeastern	W4QBK	Q4QPL
K6NA	W6RW	Southwestern	W6RR	W6CCP
W5JAW	W5EQT	West Gulf	W8KTR	W5AC
VE2YU	.....	Canadian	VE3BHS	VE3FH

Mississippi

WA9RCM 112,464-132-284- B-40
 W5MUG 54,609-109-167- -
 K5EXW 43,992- 94-156- C-40
 K5MDX 38,580- 90-144- A-14
 WA0YU 37,224- 88-141- B-38

GREAT LAKES DIVISION

Kentucky

W4NBV 619,776-269-768-BC-80
 W4PEW 277,500-185-500- C-34
 W4OGG 60,075- 75-267- B-28
 W4ZFJ 2538- 18- B- 4

MICHIGAN

W4LMD 539,358-241-746- C-59
 W4CVI 29,384- 91-108- A-21
 W4FIN 23,400- 65-120- C-12
 W4ZXR 17,136- 68- 84- B-
 K4ZQR 168- 7- 8- C- 2
 W4BCV 6- 1- 2- C- 1

Michigan

W8SH (K1ZND, opr.)
 1,079,154-334-1077- C-75

W8TWA/8

DELTA DIVISION

Arkansas

WA5LLX 92,907-111-279- B-88
 WA5RTG 90,171-129-233- C-42
 WA5SDT 89,010-129-230- A-51
 K5BLV 297- 9- 11- A- 7

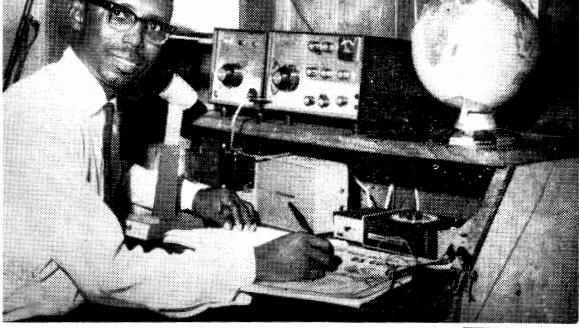
Louisiana

WA8RQL 70,305-109-215- C-
 W8RVD 62,274- 97-214- C-
 WA8OSL 51,894- 93-186- B-48
 W8HXZ 33,726- 77-146- A-40
 W3TBF/8 31,098- 73-142- C-16
 W8DQL 23,010- 65-118- C-11
 WA8GGN 18,900- 63-100- B-30
 W8FRJ 12,936- 49- 88- C-15
 W8EEZ 12,561- 53- 79- C-24



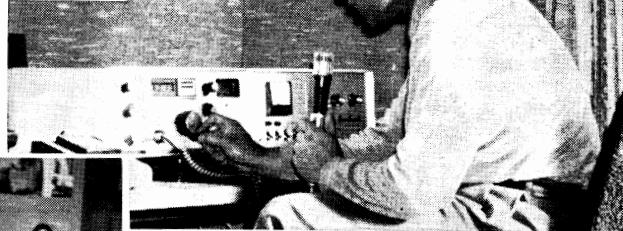
Alaska's top dogs (huskies, of course) were phone op KL7GAC (left), who QSO'd 1194 people in 45 hours, and Morse whiz KL7IR (right), with 1688 contacts in 46 hours. GAC has been transferred to North Carolina, will be on the wrong end of pileups next year. IR built W1CER's "Softenerboomer 160" (August 1966 QST) but had to listen to KH6IJ working multipliers on 1.8 MHz. that Marty couldn't even hear.



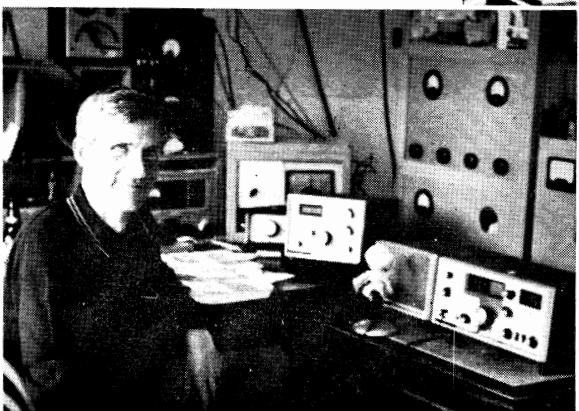


From Tokyo, JA1BAR rang up 265K with 777 exchanges on 10-15-20; XYL JH1GMZ chipped in another 13 grand.

↑ **VP2AC** says "Chasing DX is my line," but Jerry buys the groceries by working for the Antigua Star as a photo-journalist; he wrung ten meters dry during the phone Test.



CE6EZ used a 2L quad and inverted Vees to accumulate 2.45 meg and the No. 2 spot in the South America listings.



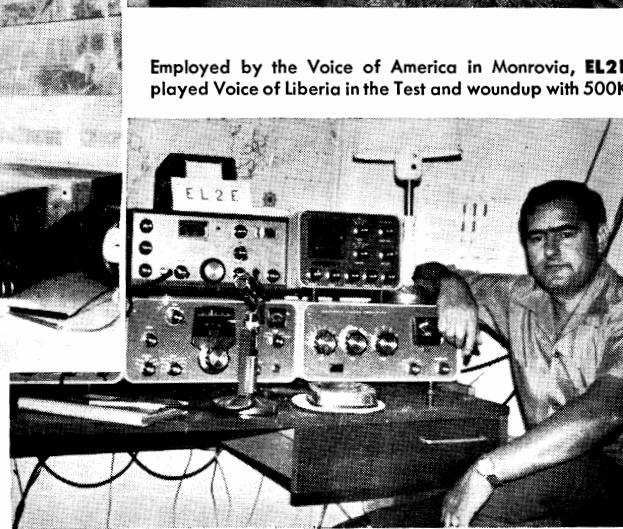
↑ **EA3JE** paced Europe on voice by socking it to 'em with 2-million-plus points and the 5th-highest DX score worldwide.



Employed by the Voice of America in Monrovia, **EL2E** played Voice of Liberia in the Test and woundup with 500K



↑ **5W1AS**, a visitor to Hq. this summer, had to struggle with a 26-foot-high beam surrounded by towering palm-trees; Ron had words to say about sleazy W/VE operating techniques.



CANADIAN DIVISION

Maritime
 VE1NV 324,819-193-561- C-51
 VE1ANT 27,939- 67-139- A-32
 VO1DC 24,360- 58-140- B-19
 VO2AB 18,58- 58-108- A-28
 VO2AC 14,480- 40-121- B-18

Quebec
 VE2NV 373,434-218-571- A-53
 VE2WA 303,888-208-187-AC-52
 VE2BV 300,390-190-527- A-72
 VE2WY 278,628-214-344- C-68
 VE2AK 147,578-143-344- B-44
 VE2AYU 72,114-101-238- A-38
 VE2AJ 37,800- 84-150- B-20
 VE2BUW 33,856- 83-144- A-24
 VE2ALA 20,352- 53-128-AB-28
 VE2YU (VE2s DCX YU)
 406,980-228-595-AC-64
 VE2DCW/2 (VE2s BGJ DCW)
 51,285- 65-263- A-32

Ontario
 VE3BHS 424,206-212-666-AB-46
 VE3BS 199,815-165-404- A-
 VE3BMB 142,788-146-326- B-
 VE3ES 40,545- 85-159- A-28
 VE3CU 17,298- 62- 93- A-40
 VE3HJ 26,013- 69-127- C-
 VE3DYB 7680, 40-64- A-13
 VE3SH 507- 13- 13- A- 4
 VE3FHO (VE3s FHO GCO)
 841,635-295-951- C-88
 VE3CSN (VE3s CSN CTR)
 18,650- 50-125- C-64
 VE3CFP (2 oprs.)
 3024- 24- 42- A-13

Manitoba
 VE4SD 75,319-109-231- C-48
 VE4RP 22,320- 60-124- C-58

Saskatchewan
 VE5GF 30,420- 78-130-AC-21
 VE5DP 26,418- 74-119-AB-25

Alberta
 VE6LU 104,013-127-273- C-46
 VE6AP 63,336- 91-232- A-50
 VE6MC 18,414- 62- 99- A-20
 VE6TK 15,444- 52- 99- B-25
 VE6TP 13,530- 55- 82- C- 6
 VE6AKV 1200- 16- 25- A-12
 VE6IN 240- 8- 10- C- 1
 VE6ANR (VE6s AJT ASJ AVF)
 215,040-160-452- C-96

British Columbia
 VE7EH 115,290-126-305- C-46
 VE7NW 67,158- 91-246- C-49
 VE7BQF 63,756- 77-27C- C-35
 VE7YB 57,312- 96-199- B-96
 VE7AXM 7134- 41- 58- A-20
 VE7VP 1314- 18- 25- C-12
 VE7IQ 720- 10- 24- A-

Yukon N.W.T.
 VE8BB 63,000- 84-250- B-36

AFRICA
Morocco
 CN8FV 913,275-165-1845- A-70

Angola
 CR6GS 458,430-118-1295- B-
 CR6GM 451,044-132-1130- A-30

Mozambique
 CR7DS 425,040-132-1075- A-

Liberia
 EL2E 497,931-131-1267- C-

Ethiopia
 ET3USA (W5QHD, WA0TIX)
 817,236-161-1692- A-80
 ET3FMA (K4FMA, W6HOH)
 432,888-136-1061- A-25

Cameroon
 TJ1AL 29,748- 37-268- A-
 TJ1QO 2100- 20- 35- B-

St. Helena
 ZD7KH 728,502-138-1760- B-

Ascension Island

ZD8HAL 836,703-171-1631- B-32 UH8BO 3060- 15- 68- B- 2
Rhodesia
 ZE8JY 394,196-124-1060- A- UI8AG 1989- 13- 51- B-

South Africa
 ZS6DW 1,439,670-185-2594- B- UJ8KAA (3 oprs.)
 ZS6RM 291,060-105-924- A- 432- 9- 16- B-
 ZS6FN 133,560-105-424- A-

Tanganyika
 5H3KJ 593,020-149-1367- A- VS6AJ 32,800- 50-221- B-

Nigeria
 5N2AAF 476,898-122-1303- A- VU2DKZ 146,664- 84-582- A-96
 5N2ABK 63,552- 64-332- A- VU2MSK 46,359- 51-303- A-

Niger Republic
 ZC4CN 236,208-111-710- B-

Israel
 5U7AL 149,682-101-494- B- 4Z4HF 414,597-113-1223- B-

Lesotho
 7P8AR 1,005,993-159-2109- A- W2PDG/4X 1414- 14- 35- B- 6

Ghana
 9G1KT 21,978- 54-136- A-11 9M2PO 66,864- 56-398- A-

West Malaysia

Turkoman

1898- 13- 51- B-
Uzbek
 1989- 13- 51- B-

Hong Kong
 1989- 13- 51- B-

India
 1989- 13- 51- B-

Cyprus
 1989- 13- 51- B-

Niger Republic
 1989- 13- 51- B-

Israel
 1989- 13- 51- B-

West Malaysia
 1989- 13- 51- B-

Spain

F3KW 1,382,400-180-2560- B-
 F2SI 915,705-153-1995- A-
 F8SUM 172,530- 90-639- A-
 F9NL 34,404- 47-244- A-
 F2JE 31,443- 47-223- A-
 F9RM 24,957- 59-141- A-
 F9DA 13,386- 46- 97- A-35
 F9KF 12,210- 37-110- B-
 F3JJ 3864- 28- 46- B-
 F5BV/P 3360- 28- 40- B-
 F9FC 2451- 19- 43- A- 5
 F5OJ (4 oprs.)
 581,048-151-1285- A-

France

G4JZ 1,107,540-180-2051- B-45
 G3IAR 981,948-172-1903- B-58
 G6LK 471,546-138-1139- B-
 G3KMA 336,720-115-976- A-
 G5AGN/A 101,979- 81-420-AB-
 G2NH 8787- 29-101- A-
 GB2SM (16 oprs.)
 1,839,786-206-2977- A-96
 G3WWO (G3s JOC MPN)
 1,595,700-180-2965- B-76
 G3SME (G3s SME UQR)
 1,285,438-187-2292- B-87
 G3VZT/A (7 oprs.)
 1,090,890-170-2139- B-

England

GM5AIW 197,085-105-626- A-25
 GM3CSM 6696- 36- 62- A-

Wales

GW3NWV 298,584-132-754- B-

Switzerland

HB9UD 54,656- 64-285- B-
 HB9DX 19,458- 47-138- B-

Hungary

HG2KRD 156,468- 52-1003- C-

Italy

I1BAF 1,598,148-206-2586- B-49
 I1CAQ 572,560-136-1405- B-41
 IIRIZ 148,148- 91-545- A-30
 I1BBZ 138,942- 93-499- A-
 I1LAG 95,634- 69-462- B-10
 I1VH 3294- 18- 61- A- 1
 I1CZW (I1s AJ CZW KBY)
 728,091-147-1651- B-40

ASIA
Iran
 EP3AM 700,560-140-1668- B-
Japan
 KA7AB 1,295,364-196-2203- B-
 JA2JAA 476,136-136-1167-AC-
 JA1INDO 401,220-135-093- A-26
 JA1CG 356,451-131-907- A-
 KA2JP 297,540-114-870- B-19
 JA1DXE 72,833-117-783- A-
 JA1BAR 265,734-114-777- C-
 JA6ATY 212,872- 88-809- A-
 JA3LGG 203,391- 93-729- A-35
 JA1MML 152,500-100-510- A-
 KA5MC 137,214- 54-847- C-11
 JA3ERN 117,087- 93-422- A-31
 KA2HC 72,171- 81-297- C-
 JA3CXN 56,791- 49-387- A-
 JA6AFL 50,976- 59-288- A-73
 JA3GZN 43,120- 40-360- B-
 JA1BAL 23,127- 39-198- A-
 JA8AHM 17,424- 44-132- A-
 JH1GMZ 13,311- 29-153- A-
 JA4ERX 6780- 20-113- A-18
 JA1DFQ 3600- 15- 80- A-
 JA5CBI 528- 8- 22- A-
 JH1DYL 504- 8- 21- A- 5
 JA3OUV 264- 6- 15- A- 4
 JA2DCI 255- 5- 17- A-
 JA1AAT 231- 7- 11- A-
 JA2ITH 190- 5- 13- A-
 JA3ADW 108- 3- 12- A-
 JA4YBV 18- 2- 3- A-
 KA9MF (6 oprs.)
 1,190,700-180-2205-AC-80

Asiatic Russian S.F.S.R.
 UA9FU 20,790- 42-167- B-
 UA9KHA 1008- 14- 24- B-

EUROPE

Portugal
 CT1BH 1,039,248-168-2062- C-
 CT1MW 864,149-143-2017- A-44
 CT1LN 726,773-173-1401- A-

Germany
 CT1BH 1,039,248-168-2062- C-
 CT1MW 864,149-143-2017- A-44
 CT1LN 726,773-173-1401- A-

ASIA
Iran
 EP3AM 700,560-140-1668- B-
Japan
 KA7AB 1,295,364-196-2203- B-
 JA2JAA 476,136-136-1167-AC-
 JA1INDO 401,220-135-093- A-26
 JA1CG 356,451-131-907- A-
 KA2JP 297,540-114-870- B-19
 JA1DXE 72,833-117-783- A-
 JA1BAR 265,734-114-777- C-
 JA6ATY 212,872- 88-809- A-
 JA3LGG 203,391- 93-729- A-35
 JA1MML 152,500-100-510- A-
 KA5MC 137,214- 54-847- C-11
 JA3ERN 117,087- 93-422- A-31
 KA2HC 72,171- 81-297- C-
 JA3CXN 56,791- 49-387- A-
 JA6AFL 50,976- 59-288- A-73
 JA3GZN 43,120- 40-360- B-
 JA1BAL 23,127- 39-198- A-
 JA8AHM 17,424- 44-132- A-
 JH1GMZ 13,311- 29-153- A-
 JA4ERX 6780- 20-113- A-18
 JA1DFQ 3600- 15- 80- A-
 JA5CBI 528- 8- 22- A-
 JH1DYL 504- 8- 21- A- 5
 JA3OUV 264- 6- 15- A- 4
 JA2DCI 255- 5- 17- A-
 JA1AAT 231- 7- 11- A-
 JA2ITH 190- 5- 13- A-
 JA3ADW 108- 3- 12- A-
 JA4YBV 18- 2- 3- A-
 KA9MF (6 oprs.)
 1,190,700-180-2205-AC-80

Asiatic Russian S.F.S.R.
 UA9FU 20,790- 42-167- B-
 UA9KHA 1008- 14- 24- B-

His initials are JAP, his XYL's name is JAN, and he's JAW—W5JAW**, that is, and a potent performer on both modes. After almost ten years of inactivity, Jim saluted away STex honors on A1 (999K) and A3 (723K), and was West Gulf Division champ on c.w.**





Participating for the first time in an ARRL DX Test, **WA4LMD** scored 539K in 59 hours of phonesmanship. Antennas were as spiffy as this console: a 4L quad up 75' and a 300-feet-per-leg rhombic. Fred got kind of pooped during the bawl, would like to see a compulsory rest-period added to the rules.

Norway OH5VT 7998- 31- 87- B-
LA0AD 1,151,280-180-2132- A-80 OH3NY 7068- 31- 76- B-
LA3QG 113,004- 86-438- A- OH3XZ 5382- 26- 69-AB-
LA4ZB 28,560- 34-280- A-16 OH5UX 3036- 22- 46- B-
LA3K 8700- 29-100- A-40 OH5SM (7 oprs.) 2,259,912-191-3944- B-
LA4LG 5880- 28- 70- A- 4
LA6U 3402- 27- 42- A-
LA4AF 3000- 25- 40- A-
Czechoslovakia

Bulgaria OK1MP 197,094-107-614- B-
LZ2KKZ 5475- 25- 73- B- OH1AHZ 40,002- 59-230- B-
LZIKSA 3- 1- 1- B- 1 OK2BEN 20,202- 37-182- B-
OK2ABU 7922- 34- 81- B-
OK2WCG 7425- 25- 99- A-
OK2DB 2160- 16- 45- B-

Austria **Belgium**

OE2EGL 1,296,126-191-2262- A-
OE3GSA 390,439-119-1094- B-
Finland ON4ZU 541,008-136-1326- B-
ON4XG 401,625-125-1071- B-32
ON5GF 271,795- 95-954- B-
ON4NM 23,520- 35-224- A-
Denmark

Haifa's W2PDG/4X faced the perennial problem of W/VE ops trying to gain the attention of Statesiders with their slant-DX callsigns. Barry doesn't look too disturbed, however.



Sweden SM5EAC 681,750-150-1515- B- YO3ZM 108- 3- 12- A-
SM6AEK 579,348-154-1254- B-34 I.T.U. Geneva
SM4CMG 511,488-148-1152- B-25 4U1ITU (4 oprs.) 859,908-174-1652- C-

NORTH AMERICA
SM5ZZ 447,678-154-969- B-
SM7BKZ 172,563- 97-593- B-
SM6CMK 90,210- 97-310- B-
SM6CKU 56,880- 80-237- B-
SM5PBJ 51,192- 72-238- B- 6 CO8RA 534,534-154-1157- A-
SM5CJV 39,336- 44-298- B- Dominican Republic
SM4DPB 18,240- 48-127- B- HI8LC 703,890-165-1422- B-
SM9CBR 11,340- 45- 84- B- HI8IBC 31,270- 53- 198- A-
SM5BKY 7560- 24-105- B- SM6CAS (9 oprs.) Panama
SM6CAS 511,488-148-1152- B-25 2,091,300-190-3670- B-96 HP1JC 1,362,753-223-2037-AB-
SM5DTM (SMs 5FC 6LDLL) 34,344- 53-216- B- Alaska
Poland KL7GAC 562,374-157-1194-BC-45
SP5AKG 158,166-101-522- B- KL7EPR 88,578- 57- 518- A-12
Crete KL7AIZ (multiopr.) 1,437,450-185-2590-AC-
Puerto Rico

SV9WL 798,790-151-1767- C- Iceland KP4DBJ 429,312-128-1118- B-13
TF2WKS 2628- 18- 49- A- KP4CSW 318,340-110- 966- C-28
European Russian S.F.S.R. KP4DBU (2 oprs.) 60,544- 43- 470- A-18
UA3HO 258,000-100-860- B-29
UA1CS 25,398- 51-166- B- Virgin Islands
UV3TP 6786- 26- 87- A- KV4AM 1,420,440-178-2661- C-60
UA3KBO (UA3-27308, DM2BOG) 1,091,840-160-2275- B- KV4EY 539,856-163-1104- C-31
UA4KHW (2 oprs.) Canal Zone
113,022- 69-551- B-31 KZ5NF 1,037,160-172-2010- C-41
UA3KND (3 oprs.) 30,960- 60-172- B- KZ5EH 75,276- 51- 492- A- 8
UA1KBB (2 oprs.) Guatemala
6,840- 20-119- B- 6 TG9UZ 157,752- 56- 939- B-16



YLs and New Hampshire stations are about equally scarce in a DX contest. We present both in one package: Mary, **WA1DZX**, active in the phone section. A phased vertical on 40 and a 60-foot shunt-fed tower on 80 helped low-band radiation immensely.

Kalininogradsk VP2AC 579,912-146-1324- B-28
UA2KBD (6 oprs.) 213,303- 97-733- B- Bahama Islands
PA0XPQ 956,550-175-1832- A-50 Ukraine VP7NA (K4IIIF, opr.) 577,638-171-1126- A-
PA9FE (PA0HBO, opr.) 735,969-167-1469- B- UB5WF 124,950- 50-833- B- Bermudas Islands
PA9QT 157,878- 98-537- C- UB5KAW 33,825- 55-205- B- VP9GB 2067- 13- 54- Mexico
PA0LOU 123,210- 90-458- A- 9 UB5FG 6864- 22-104- A- XE1AE 2,039,688-252-2608- C-
PA0TWX 99,450- 50-663- A- UBSSJ 3078- 19- 54- A- XE0LDD 43,542- 50- 246- A-12
PA0SCH 50,589- 77-219- A- UB5KTF (2 oprs.) 11,259- 27-139- A- XE2PTBC (15 oprs.) 4,701,870-267-5870- C-96
Netherlands White Russian S.S.R. XE1AC (XE1AC GGW OOL) 2,994,179-251-3977- B-
PA0XPP 956,550-175-1832- A-50 6402- 22- 97- A- UP2OV 50,046- 38-439- A- YN1TP 107,019- 69- 517- A-40
PA0XPP 956,550-175-1832- A-50 Azerbaijan Lithuania Salvador
PA0XPP 956,550-175-1832- A-50 Estonia YS1XEE 2,721,888-208-4362- B-44
PA0XPP 956,550-175-1832- A-50 UR2KBG 11,004- 28-131- A- (Continued on page 173)

ARRL DX Competition

(Continued from page 76)

Barbados

WA3DVO/8P6
20,943- 39- 179- A- 4

Fanning & Christmas Is.

VR3DY
1,054,116-188-1869- A-

New Zealand

OCEANIA

Philippine Islands

DU1FH 807,884-154-1754- C-

French Oceania

FO8BS 46,055- 61- 252- C-

Guam

K0ILI/KG6
549,582-121-1514- C-

KG6AAV (K8RXD, W6EIF,

WB6WIG)

193,050- 90- 715- C-

Hawaiian Islands

KH6IJ 3,799,962-246-5149- C-71

KH6BZF 1,654,209-197-2799- C-

KH6GJW 423,330-137-1030- B-14

KH6GLJ 240,786- 98- 819- B- 7

KH6GCF (K2SIL, KH6GLZ)

212,976-102- 696- C- 5

Marshall Islands

KX6FJ 43,218- 49- 294- C-

KX6DC (WB2SXF, opr.)

12,771- 33- 129- C-

Australia

VK2APK 1,132,950-182-2075- A-

VK3ATN 1,074,780-210-1708- B-25

VK3AXK 270,072-121- 744- A-42

VK4JE 188,340- 86- 730- A-

VK4FH 105,444- 87- 404- A-39

VK3QV 104,331- 83- 419- A-11

VK5WO 33,264- 48- 231- B-

VK3SM 11,523- 23- 167- B-

VK2FU (VK2s BKM FU)

2,269,716-219-3455- B-88

VK2AND (multiopr.)

186,888-104- 599- A-17

Territory of New Guinea

VK9GN 655,860-170-1286- B-

Fanning & Christmas Is.

VR3DY
1,054,116-188-1869- A-

New Zealand

ZL1AGO
1,034,367-173-1993- A-

Samoa

5W1AT 1,029,299-191-1797- A-

5W1AS 697,809-141-1653- A-

SOUTH AMERICA

Chile

CE6EZ 2,451,456-228-3584- B-

Easter Island

CE0AE (multiopr.)

430,920-108-1330- B-

Ecuador

HC4TB 1,259,086-179-2345- A-56

HC1PC 972,650-175-1856-AB-

Colombia

HK3RQ 3,755,000-250-5010-ABC-

HK5BDS 330,600- 95-1160- B-

Antarctica

KC4USM 642,390-133-1610- C-36

Argentina

LU3EX 165,256- 52-1060- A-23

LU2FAO 36,080- 44- 274- B-10

LU1AFZ 9954- 21- 160- A- 6

Peru

OA4JR 1,371,192-194-2356- B-

OA6BU 836,640-168-1660- A-37

OA8V 24,975- 45- 185- C-10

Brazil

PY7AKQ 1,640,520-217-2520- C-50

PY1CK 252,699-131- 643- C-

Surinam

PZ1CK 65,262- 73- 298- B-

Guyana

8R1G 2,050,428-241-2836- A-66

Trinidad & Tobago

9Y4LA 477,630-145-1102- A-

9Y4LO 323,136- 99-1088- B-4

Check logs. CW: W2s EGI MLO, W4s JUK ZNI, WA5PPZ, W6EYR, W8FEM, VE2PJ, VE3ATF, CX1JM, DJ2RE, DM2s AMF AND BBF BJD, DM3TEA, DM6MAO, F2SQ, F6ACC, GM3CSM, HA2RB, HA5FA, HA8UY, LA2MA/MM, LU4DMG, OH5s RZ UQ, OK1US, OK2s BCH BCI BIP KNN OV, OZ7ON, PA0WAD, PZ1CQ, SM3CJD, SM5BXT, SM6s AVD BZE DHU, SM7DMT SM0GM, SP5CJU, UW6BK, VK3XB, YU1KA, ZL1TZ, ZS6AG, UG6-004-1. Phone: W1s BGJ DO, W2EGI, K2SWT, WA2VSO, W3s JGM MDJ, W4s CGW DGY EWR RNC, K4TBN, W5s BUK CIO/5 FFW, W6s CFG OJW PDF, W7GGO, K9LET, WA9RKI, W9UAZ/4, VE3BDB, W8ILH/VE6, VE7s AIS AJ NH, DJ2RE, F5PW, G2AJB, LA8EJ, LU4DMG, OH5UQ, PY2GC, SL2ZI, SM2COR, SM5 BFE DQG GA, SM6DHU, SM7CSN, VK3s KS XB, YU3RS 780, SWL-A-5489.

QST

IMPORTANT NOTICE

Changes of Address

Important postal changes in handling second-class mail matter are now in effect. Please advise us *direct* of any change of address. Four weeks notice is required to effect change of address. When notifying please give old as well as new address *and your zip code*. Your promptness will help you, the postal service and us. Thanks.