

Results 39th ARRL International DX Competition



G3KMO

Reported by Rick Niswander,* WA1PID/WA8VRB

Webster's defines alligator as, "Either of two crocodilians (genus Alligator) having broad heads not tapering to the snout. . ." However he fails to mention the one definition of alligator that applies to radio contests, especially phone contests. We are, of course, cognizant of the fact that Webster wrote his book of words years prior to the advent of spark so we will forgive him his momentary clairvoyant lapse and present here another definition of alligator. From V.Y. Senny Tree's Diminutive Dictionary of Radio Terms comes, "Alligator: Those individuals that, during a contest, are all mouth and no ears." Surely each one of us has run across an alligator or two (or more) in our DX Contest endeavors. Most of us, at one point or another during our lifetime, could be classified as an alligator, albeit a small one. It is the big alligators, those that constantly call out of turn or while the DX is transmitting, those that, in effect, cause general consternation (this is a family magazine) on the air, that we need to work on. It is only by a large infusion of good operating practice that these types can be toned down. If we all try to shed our alligator image and replace it with one of. . . well. . . an "all ears" elephant, the piles will be better for all. Are you an alligator?

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THE 39th INTERNATIONAL DX Competition, held in February and March 3-4 on phone and 17-18 on cw, was marked by good openings on cw and horrible conditions on phone. When was the last time that a U.S. station with slightly less than one megapoint would have placed in the Top Ten on phone? Last year he would have snagged 25th with a score like that. The second phone weekend seemed to suffer the most although the first was nothing to jump-up-and-down about. On cw the opposite was true. The March merry-go-round provided some nice openings. Things are slowing down. Oh, how I long for release from the valley of the 11-year heartbreak, kid - a return to the days of wine and sunspots. Don't you?

There were three items of major import that merit comment on the DX front. On phone, XE111J (disguised as 6J9AA) fortified himself with ice water, cough drops and an understanding wife to obliterate the DX phone record in another one of his normal outstanding performances. Scott had over 10,600 QSOs before dupes. After duping he just missed 10K QSOs and 9 million points. . . . Gad! That record should stay around for awhile. How does he do it, you say, when conditions are so bad? Well, when Europe and JA don't come in very well phone turn their antennas

The crew of the top German multiop, DLØWW, got together away from the rigs for this group shot. Standing (l to r) DC6FF, DA1NL, DJ6DU, DL6NK and DJ4OU. Sitting (l to r) DL3ZA and DA1ED. Another one of the ops, DK7FO, is not shown. The group produced a fine third place phone showing among DX multiops.



south and, lo and behold, there is 6J9AA (or whatever) - 40 over 9.

On cw KH6RS (with K2SIL at the paddle) broke the 5 million point barrier for the first time to set a new mark for those in future years to shoot at. Numerous antenna improvements over the past few years have helped increase Bill's totals.

Aided by a multiplier of 38 on 160, KV4HW, operated by W6OAT, set a new DX multiplier high of 316. Not bad for only dipoles and a vertical. Only two others have broken the 300 mark - KP4AST on phone in 1970 and KH6RS on cw this year - both with a total of 302. When you consider that DX can only count states and provinces, not sections, making 56 the highest total obtainable on any band his multiplier total looks better and better.

Other notable-notes. . .

HZ1HZ surprised many a contester (your scribe included) by showing up for considerably more than a token effort. Ahmed racked up a fine second place Asian showing.

With the movement of TI2DX to more southerly DX-pastures you might think that TI would become a rare cw-type multiplier. Ah, not so. TI2WX, who has rattled the DX Contest airwaves for a number of years with his 75 watts, will be around to gladden the hearts of many.

If you have ever wondered who LUSHFI is, never fear - the answer is here (ouch). That's Fred Laun who has stirred the DX Test ether from other spots such as HI8XAL, HS3AL and HSS5ABD. Fred always seems to do quite nicely (that's putting it mildly) but can't quite compete in signal strength (he's over 4000 miles away) with those in the northern reaches of South America.

W9PNE is continuing his cw QRP contesting. Brice used five watts during the first weekend to the tune of 12 countries and 4 continents. During the March fling he employed a 6AU6 running 1/2 watt input with a 536 foot center-fed at 45 feet and knocked off 27 QSOs in 17 countries and all continents with his QRPp sand squasher.

YV5KL, who snags a cw Top Ten spot almost every time out. Gregorio, who grabbed fourth worldwide this time around, had to settle for second place South American honors. He won the South American plaque in 1964 and 65 as YV1DP, in 1971 as YV5KL and in 1972 as 4M5KL. Keep up the good work, Gregorio.

After retiring a short while ago GM6RV, with a little more time on his hands, continued the country topping performance that he had abandoned after his GM-winning scores in 1934-35-36.

Speaking of old-timers, F8VJ, active since 1927 and a member of the ARRL since 1935, submitted his 29th DX contest log this year. Anyone beat that?

The group that went to 6Y5EE made a nice one weekend cw showing. That marks the first time a major effort was put on from Jamaica since the big multi-multi 6YØA operation a few years ago. The two 6Y5EE ops must have been real dedicated contest-types. Look at their card and you'll see what I mean. Those aren't radios, guys.

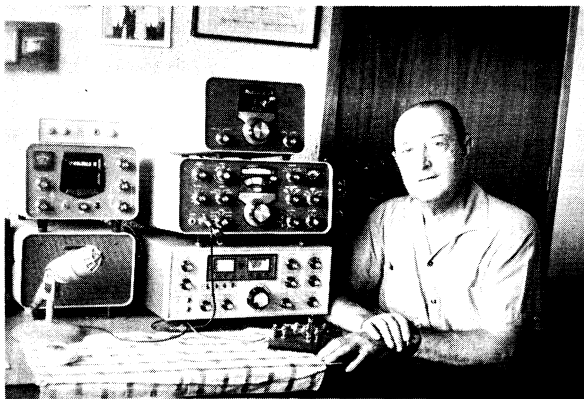
Megathanks to all the hard working DX stations that get on for a few hours or travel to rare locations to give DX hungry operators on this side a chance for a new country or two. Your efforts are much appreciated.

Returns followed the downward conditions, dropping to 2107. Phone logs, as was to be expected with the poor conditions, dropped over 250 to 819. Cw logs dropped only slightly to 1150.

1974 ARRL DX COMPETITION

Phone: Feb. 2-3, Mar. 2-3

CW: Feb. 16-17, Mar. 16-17



TOP TEN

Single Operator				Single Operator			
CW		Phone		CW		Phone	
W/VE		DX		W/VE		DX	
K1NOL	2,020,977	KH6RS	5,074,506	W7RM	2,523,456	6J9AA	8,937,708
K1LPL/3	2,004,966	KV4HW	4,601,592	W6RR	2,104,290	4M4AGP	5,972,763
W1BPW	1,985,568	PJ2VD	3,456,810	W1YK	1,662,210	KZ5JF	4,186,470
W1YK	1,927,002	YV5KL	3,143,265	K1JHX	1,440,656	XG1J	3,855,996
K1DIR	1,802,808	KH6IJ	3,072,456	K1VTM	1,314,240	LU5HFI	3,447,048
K1VTM	1,754,784	LU5HFI	2,915,634	K1THQ	1,159,191	VP2MY	3,166,380
W2GXD	1,716,639	T12DX	2,690,019	W4ZCY	1,141,200	KH6IJ	3,085,638
WA1RCP	1,637,808	KH6IAB	2,482,944	K6SVL	1,108,665	KH6BZF	2,868,478
WB4YOJ	1,605,240	9Y4VU	1,978,362	WB4YOJ	1,095,342	9Y4VU	2,826,456
W2DXL	1,528,866	EA2IA	1,615,700	WA0CVS	969,918	CE3AQW	2,751,972

Check logs numbered 138. Awards are scheduled for an October 15 mailing.

Choosing the "Log-checkers Friend" award, commonly known as "The Golden Pencil," was a most difficult task this year. Many recopied their logs to make them extra-readable. Some included dupe sheets and other such helpful aids for crosschecking. However one log, that of 8P6DR, comes out on top in the final analysis. Richard retyped his log, enclosed dupesheets and recap sheets and made a clean, clear and attractive entry. This will be Richard's last year in Barbados. By now he has packed up his radios and trotted on

back to Ye Olde Englande. Next year he will be around at G3RWL or some other DXØTIC spot.

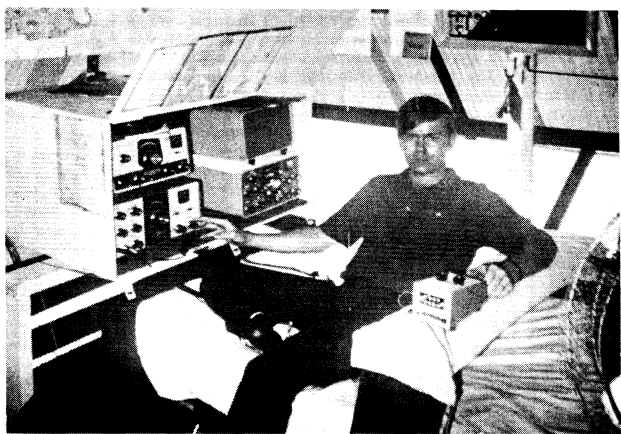
A few have asked, and many must have wondered, what "The Golden Pencil" award is all about. It was an idea cooked up in my fertile mind while watching a particularly dull ad on the TVI machine. Why not, I said, give those hard working DX stations that make oodles of QSOs and spend even more oodles of time making a neat entry something for their effort? How do you get it? Glad you asked. Since this is not an official League award and is done by yours truly when a particular log strikes my fancy the requirements for the

AFFILIATED CLUB SCORES

Club Scores	Entries	CW Winner	Phone Winner
Frankford Radio Club(Pa.)	42,610,394	78	W2GXD W2EHB
Murphy's Marauders(Ct.)	39,266,912	82	W1YK W1YK
Potomac Valley Radio Club(Md.)	37,048,163	91	K1LPL/3 W4ZCY
Southern California DX Club	14,346,861	35	W6RR W6RR
Western Washington DX Club	13,360,785	46	W7SFA W7RM
Northern California DX Club	12,549,039	66	WA6CXX WA6NYV
Richardson Wireless Klub(Tex.)	9,389,709	19	W5EQT W5SZ
Northern Illinois DX Association	6,845,427	22	W9BZW W9OHH
North Jersey DX Association	5,432,180	23	W2YT W2HTI
Northern California Contest Club	4,589,775	8	W6NUT
Golden Triangle DX Club(Fla.)	3,826,728	9	K4THA W4YK
Indy DXers(Ind.)	3,801,318	14	WB9BPG K9CUY
Oak Park Amateur Radio Club(Mich.)	2,867,148	5	W8ROF
Texas DX Society	2,844,246	6	. . . . . W5SBX
Central Virginia Contest Club	2,490,171	13	W4ZSH W4QCW
Nights of the Roundtable(Md.)	2,477,631	7	WA3LHG
South Jersey Radio Association	2,420,025	19	W2FYS K2AA/2
Twin Cities DX Association(Minn.)	2,227,926	6	W0HP
Minnesota Wireless Association	1,665,846	8	. . . . . WA0PRS
Southeastern DX Club(Ga.)	1,523,593	21	W4DXI K4EZ
Columbus AR Association(Ohio)	1,142,337	15	W8ZCK W8ZCQ
Southern Counties AR Association(NJ)	684,903	7	W2HBT W2GOF
North Alabama DX Club	514,266	6	. . . . . K4BYM
Delta DX Association(La.)	474,546	7	W5OB W4SYL/5
Westpark Radiops(Ohio)	430,038	5	. . . . . W8YWX
Buffalo Area DX Club(NY)	350,427	14	WA2MBP WB2AIO
ARINC Amateur Radio Club(Md.)	319,296	7	. . . . . W3PWO
Sharon AR Association(Mass.)	166,578	5	WA1MYK
Steel City Amateur Radio Club(Pa.)	88,974	6	. . . . . W3SDV
Parma Radio Club(Ohio)	46,074	9	. . . . . W8SUS
Chicago Radio Traffic Association(III.)	22,032	4	W9REC
Lake Success Radio Club(NY)	6081	3	. . . . . W2YKQ

DIVISION LEADERS

CW		Phone	
<i>Single Op.</i>	<i>Multiop.</i>	<i>Single Op.</i>	<i>Multiop.</i>
K1LPL/3	W3AU	Atlantic	W3EZT
WB9BPG	W9EXE	Central	W9EWC
W0HP	WA0ENP	Dakota	W0GYH
K4SXD	WB4LDT	Delta	W4SYL/5
W8ROF	W8SH	Great Lakes	WB8DKB
W2GXD	W2YD	Hudson	W2MB
K0DDA	WA0EMS	Midwest	K0SGJ
K1NOL	W1MX	New England	W1YK
W7SFA	W7FR	Northwestern	W7RM
W6NUT	K6EBB	Pacific	WA6NYV
WB4YOJ	K4CFB	Roanoke	W4ZCY
WA0CVS	.....	Rocky Mt.	WA0CVS
K4THA	K4PY	Southeastern	W4YK
W6RR	W6ANN	Southwestern	W6RR
W5WZQ	W5KFL	West Gulf	W5SZ
VO1AW	VE4JB	Canadian	VE2AYU
		



Our only Thailand cw entry is HS3AII, Dennis, who signs WB4DVO when in the States.

sobering experience operating with dipoles after running things from W7RM on phone. Whew! — (K7VPF). Four equipment failures including a fire in the exciter during the first weekend. Thank goodness there are two weekends. — (W0IYP). Long live the 40 meter rhombic. . . now if it could only rotate. — (WA0ENP). The second weekend coax to the beam was shorted, fixed that. Then the antenna caught fire, fixed that. Found bolts on the rotor were stripped. When I tried to go to the hardware store for new bolts my car battery was dead. Only in amateur radio. . . — (WA3NYU). Murphy took my new rotor down at end of first weekend. Worked like mad to get it going by second weekend but ice storm froze it solid. Does anyone have a tank turret engine for sale? — (WB9BPG). [If that doesn't give you a booming signal nothing will. — Ed.] Nothing like a DX Test to bring ones paranoia to the surface. — (W4UQ). I was surprised that my 2½ watts and simple receiver worked as well as they did on 20. — (W5JFB). Why do so many good operators on the HF bands become such lids on 80 meters? They never stop calling. — (W2AO). My opinion that the cw standard of operating in the U.S.A. is world-high was again my impression of this contest. Like your general driving ability and manners on the road, the discipline and good management was great to find. — (G3KMO). I like my regular night's sleep as well as the after lunch nap so will never make a big score. — (VO1AW). Hoped to spend

Minimums Band	30	50	80	70	30	Minimums Band	30	50	80	70	30	Minimums Band	30	50	80	70	30	Minimums Band	30	50	80	70	30
K1CFP	22	34	86	87	39	K3WJW*	14	17	101	61	28	W4KNCW	5	3	36	75	25	W6RRR	37	52	85	87	48
K1CSI/1	19	51	87	83	21	K1LPL/3	22	34	78	88	25	W4ORT	22	33	53	83	33	WA6AHF	3	18	31	38	33
K1JHX	34	30	110	100	29	W3ALB	6	32	48	71	23	W4OZF	6	15	27	46	38	WA6IQM			81		
K1THQ	45	39	87	95	3	W3AU*	72	92	160	139	61	W4QBF*	26	59	107	105	44	W7RM	39	49	105	81	33
K1VTM	24	44	99	99	30	W3BZW*	27	39	108	91	40	W4BFSF	22	34	92	82	36	W7SFA*	53	60	113	73	46
K2LQO/I	10	14	86	38	6	W3CBE	32	19	83	67	40	W4YK	40	27	62	114	61	W7W0*	20	41	86	62	21
W1ARR*	57	46	94	95	33	W3DBT	32	32	93	74	36	W4ZCY	38	38	90	100	33	K8AXG	12	29	61	72	21
W1FBY*	51	45	111	90	39	W3DHM*	34	62	98	102	40	W4ZSH	11	6	64	72	33	K8HLR*	53	67	113	98	30
W1MX*	70	52	121	89	26	W3EZT	38	37	108	82	38	WB4NRI	10	16	47	93	24	WBKGG*	16	28	69	73	13
W1YK	55	47	100	90	38	W3FRY	55	72	133	114	32	WB4BSU	10	27	69	85	32	WBKCF	8	81	51	25	25
WA1HON	32	16	41	63	20	W3GM*	54	60	96	113	40	WB4TPU	16	29	83	78	17	W8TWA	26	43	67	62	32
WA1KZE*	41	41	95	95	33	W3GPE*	68	62	117	114	39	WB4YOJ	39	51	89	94	38	WA8GUF	2	14	20	52	30
WA1PID	25	35	87	84	39	W3GRS	20	36	57	79	14	W5EQT	23	40	86	73	25	WA8YWX	15	32	88	64	13
K2FL*	38	45	104	99	31	W3KMW	31	12	34	44	12	W5MYA	3	10	43	44	35	WB8DKB	24	30	78	93	4
K2FT	11	20	77	71	27	W3KT*	3	37	74	92	21	W5MAA	19	45	74	73	43	WB8CY*	22	41	70	74	27
W2DT	38	46	92	84	38	W3N3*	34	41	74	69	31	W5QBQ	21	47	69	84	48	K9CUI	32	30	70	74	27
W2EHB	20	17	79	88	32	W3QOR	23	30	60	71	26	W5SZ	51	44	86	91	35	W9D0B	17	50	68	76	26
W2FZJ	58	22	8	16	11	W3SS*	18	20	94	89		WA5JMK*	38	40	83	90	35	W9EWC	32	41	88	72	20
W2GXD	2	24	62	54	32	W3VT	39	48	81	91	28	WB5DTX*	45	65	103	106	49	W9EXE*	53	61	101	98	31
W2HTI	37	35	89	85	29	W3WJD*	71	74	117	126	52	K6EBB	37	53	91	81	47	W9IRH	29	24	70	83	27
W2MB	37	46	92	84	38	W3ZSR	8	12	62	78	27	W6GSH	29	35	51	55	35	W9IY	20	23	87	76	26
W2RAD	17	28	79	79	34	WA3ATX*	30	41	93	91	27	W6SEN*	50	66	99	92	50	W9OHH	20	50	85	81	27
W2YD	36	33	49	54	2	W3ALHG*	37	36	101	86	40	K6SSJ	5	13	25	18	36	W9SFR	15	7	48	74	23
W2YT	34	40	65	79	43	WA3NNA	13	31	67	87	42	K6SVL	12	34	66	65	36	W9YRA		7	27	98	70
W2ZY	33	20	24	31	18	K4AEB			2	76	25	W6AFI	12	12	46	58	32	WA9NH	11	30	73	8	
WA2BLV	21	43	29	56	38	K4AUL			68	77	28	W6DGH	29	35	51	55	35	WB9DRE					
WA2CLQ*	41	41	78	72	29	K4EKJ	6	11	69	78	28	W6EJ			42	48	32	W0HZ*	15	36	78	79	23
WA2LQZ	17	36	83	60	15	K4EZ	23	21	65	80	31	W6KC*	19	26	71	52	39	W0MYN*	39	49	74	75	37
WB2AIO	12	63	73	16	3	K4TIG	62	73	139	107		W6KNC	4	18	20	47	30	W8CYS	27	58	70	70	32
K3BW*	52	67	108	108	39	W4BYV*	2	11	33	74		W6MAR	3	15	10	1	4	WB9CCZ*	21	31	52	76	20
K3HZL*	38	49	94	95	38	W4IYN	2	11	33	74		W6OAT*	29	37	69	73	43						
						W4KFC	3	11	78	96		W6ONV*	18	32	74	70	35						

DX CONTINENTAL CHAMPIONS

CW			Phone	
Single Op.	Multiop.		Single Op.	Multiop.
5T5CJ	.....	Africa	ZS6DW	.....
JA1CWZ	JA9YBA	Asia	JA21YJ	JA9YBA
EA2IA	SK6CF	Europe	CT1BH	G4ANT
KV4HW	6Y5EE	N.America	6J9AA	KL7AIZ
KH6RS	.....	Oceania	KH6IJ	.....
PJ2VD	LU2DKG	S.America	4M4AGP	LU2DKG

more time but had inspectors from Washington who had to be wined and dined on the second weekend. — (LU5HF1). Many thanks for my first ARRL Test after 34 years of hamming. — (LU6EF). Modern Chinese torture — listen to power line leaks for 78 hours. — (KH6RS). Bands were only open 2 or 3 hours each day so conditions were rough. — (HS3AI1). Very happy to catch new states on 40 meters. — (JR1BRV). I enjoyed it but my TX had a trouble. — (JA7KXD). Not only worked my first VE8 but also worked 7 new states. Really had a good time. — (OZ6PI). Nothing really worked except my 40 meter antenna. During this contest I made my 5000th stateside QSO. — (SM7EAN). Too many duplicates. Avoided many further ones by keeping a check list and telling the calling stations that we had worked before. Also, still many copy our call sign as SP5PW only. . . — (SP5PWK). So, once more, we have gone through the excitement of this wonderful contest which is, in my opinion, the best among the major international amateur contests. — (YV5KL). For my first contest I had a lot of fun. I tried both phone and cw but the bands were so poor and the competition from the Europeans so great that I was not able to work any stateside stations on phone; only on cw. — (5B4AM). I still wonder how you can pick the weekends when conditions are good. The one following March 17-18 was terrible and conditions remained poor for at least a week. — (VE7HQ).

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It is somewhat shattering to know how small your signal is when you get into a pileup and don't recover. — (W6BVN). I really do QSL 100%. How about the Ws sending some back? I sure need those counties and would like to dream of a 5BWAS. — (VK4VU). The bottom fell out on 10 meters this year. So did the XYLs patience with my operating both modes all four weekends. I'll be sticking to cw next year. — (WB4YOJ). Nice little contest you people run. — (WA1JUY). The number of operating hours is inversely proportional to the attendance of Murphy. 62 out of 96 hours says it all. — (WA1JLD, opr. of W1YK). Struggled out of sick bed to give the second weekend a good effort and blew the diodes in the power supply. — (K9VQK). Boy, did Murphy hit this year! We even lost the 20 meter tower two hours into the first weekend due to a local freak storm. — (W3WJD). The high voltage supply started arcing over in a spectacular display of fireworks. After shutting off the amplifier I decided the trouble shouldn't be too hard to find because of the horrible smell. My deduction was correct. A close inspection showed a poor field mouse that came in to escape the rain storm had decided to take a walk on top of the electrolytics. This, needless to say, was a fatal mistake. — (K4BW). Blah, Blah, Blah. — (W6PM). No equipment failures for first time but spent one night handling emergency medical traffic. Murphy has devious ways. — (K6SVL). Imagine the nerve — working DX with 2½ watts amongst all those linears. — (K6GKU). Conditions were very poor making it very difficult to get through the European curtain. I'm afraid that Mauritius is no DX paradise. — (3B8CV). What a shambles (3,775 to 3,800). Continuous CQ calling and listening up or

QRP CHAMPS

(150 Watts or Less at All Times)

CW		Phone	
K2MFY	398,076	W4WRY	162,966
WB4SGV	344,655	VE1ANZ	148,248
W2HUG	267,900	WA7QCC	142,500
W1FNW	237,888	WA1NI1	77,256
K5ABV	214,809	K5YRK	75,516
WB8FOS	177,216	WA1KKM	54,372
WA2RJZ	175,980	K2MFY	48,594
WA2HAI	123,750	W1HWM	48,057
W3ARK	119,016	WBØFLT	22,260
WA3KOS	110,670	W6YKS	21,384

down made direct contact impossible. I went to bed. — (GW3NVV). Lousy conditions both weekends. Worked W7RM on 21 as only West Coast station there with 44/33 sigs. — (SM6CKU). Running one watt DC input I was quite thrilled to receive a 56 from 6J9AA on 10 meters. — (WB2OIL). I sincerely hope that our brother hams will learn that ears are more important than a mouth in working DX. — (W2MOY). Would have liked more 21 MHz QSOs but most U.S. hams seemed intent on working Japan for quick score build up. — (VK2WD).

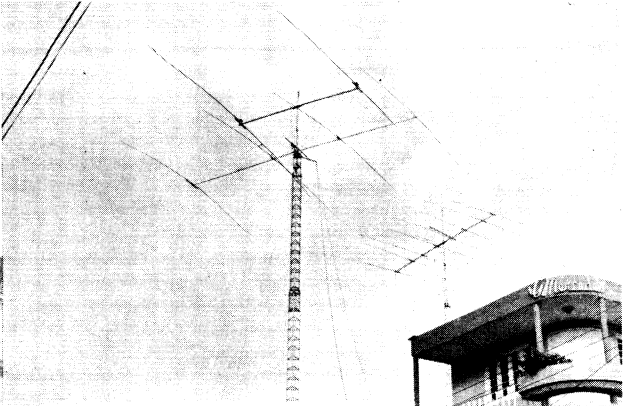
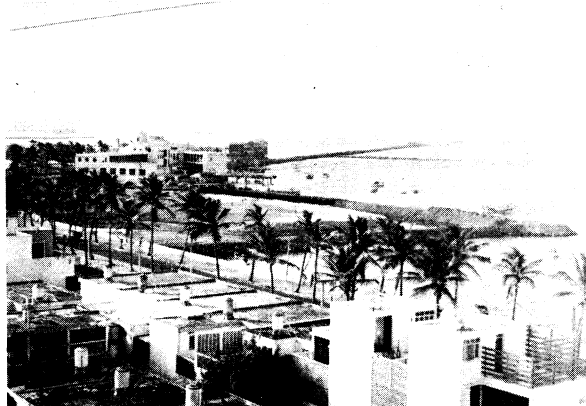
Thirty-Ninth ARRL International DX Competition

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

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

Scores: In the list to follow, read (from left to right): call of entrant, final score, multiplier (total countries per band for W/VE; total states and Canadian call areas per band for DX), contacts, approximate dc power input (A represents power up to and including 150 watts; B, over 150 and up to and including 500; C, over 500; D, combination of A+B; E, A+C; F, B+C; G, A+B+C), total time of operation to the nearest hour. Example: A2CCY 1,064,049-161-2203-A-50 indicates final score of 1,064,049, multiplier of 161, contacts 2203, power up to and including 150 watts, operating time 50 hours.

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



We all know the signal strength of 6J9AA (XE11IJ, KØDQI, etc.) and now we see why he is so strong. Above: The Veracruz viper's shot to the U.S.A. taken from the top of the tower. Nothing but sea water between us and overload. Top right: The antenna farm (things grow better in tropical climates). The big tower holds 2 elements for 40 at 80 feet, 4 elements for 20 at 75 feet and assorted slopers for 75/80. The short tower supports an interlaced 10/15 meter beam at 60 feet. During the contest this was changed to separate monobanders. Antennas don't stay up too long at this site. Winds of 100 MPH are common and on December 15 they had a gusty one of 159 MPH. Right: The Veracruz viper in the flesh (almost) during the calm before the storm (I know it's before because his eyes are open). Scott uses a Drake-Line and L4-B plus an SB-101. Anyone that can sit thru 10K QSOs and dupe the log *deserves* to get his picture in *QST*. FB job indeed by the Scott-ish Terrorier of the airwaves.



Left: TI2DX, who put in a nice 6th place cw showing in 44 hours. Chuck (K8UDJ in disguise) has, by now, moved on to HC-land where he hopes to make all us deserving contest-types happy with a few Ecuadorian multipliers. Below left: Top cw European and number 10 in the DX listings is EA2IA. Ignacio fed his 300 watts into a TH3-Jr. and dipoles for 40 and 80. Nice job, OM. Below: Second in Europe and 11th in the DX cw listings is I6BQI. Angelo's southern latitude helped him make over 250 QSOs on 10 meters. Not bad, eh?

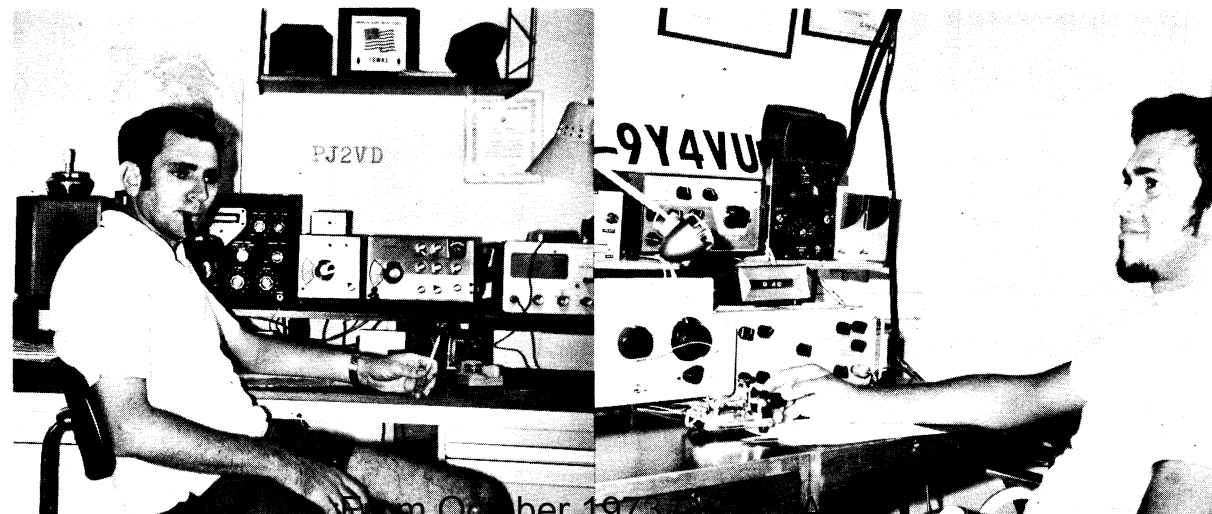




Top: The multiop crew of WA5LES. From l to r: The man himself WA5LES, W5ARJ, W5VQ, K5PFL and K5LZO. W5JAW was also an operator but is not pictured. The gang put together a fine second place nationwide cw showing. Some of you may remember LZO and LES as the big Sweepstakes multiop of a few years back. Left: EL2Y often makes his presence known in our yearly bashes. Gaspar collected second spot in Africa with a fine 1.3 million score in a tight race with 5T5CJ. Outside, Gaspar employs a 14-AVQ and 80 meter dipole.



Left: PJ2VD, back again after a DX Test layoff of a few years. Number three worldwide and top South American cw honors go to Joeke this time. In addition to a first place worldwide cw finish in 1970 he has obtained 5BWAS number 23, only the third one to be given to someone outside of W/VE. Right: One never has to worry about 9Y4 when 9Y4VU is around, Frank has been making bunches of DX Test noise for three years in a row on both modes but this is the first year he has broken into the Top Ten, FB 9th place finishes on both modes.



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CONTINENTAL LEADERS, QSO/BAND

CW

AFRICA

	80	40	20	15	10
5T5CJ	409	336	507	513	413
EL2Y	239	266	633	556	352
CR6AI	113	360	464	533	353
ET3USE	4	50	303	431	130
ZS6FN	25	145	132	253	145
ZS6ZE	0	110	10	147	123
TU2DV	0	0	355	29	0
CN8BO	0	0	0	362	0

ASIA

JA1CWZ	59	560	898	638	40
HZ1HZ	57	162	334	208	0
JA1OMH	7	68	380	259	19
JA1JKG	16	116	306	190	52
OD5EJ	0	91	207	335	38
JH1BNC	0	101	197	362	1
JA8FBM	2	65	342	234	6
UAØKAN	52	151	503	0	0
JR1BRV	11	151	81	231	11
JA7YFY	6	34	305	147	43

EUROPE

EA2IA	213	362	876	970	96
I6BQI	275	396	788	705	255
OZ1LO	193	419	726	774	75
G3KMO	226	320	512	710	151
I3ASE	86	444	736	900	33
G3MXJ	173	422	705	460	78
EI9J	178	126	595	759	76
OH1LX	59	119	785	941	0
EA5BS	136	309	465	803	0
PAØLOU	184	285	639	312	31

NORTH AMERICA

KV4HW	611	932	1074	1178	963
TI2DX	203	537	973	1078	698
8P6DR	329	255	418	525	491
TI2WX	118	351	482	644	461
OX3YY	111	324	983	405	2
OX3WQ	39	193	750	699	123
KZ5NG	72	411	115	210	141
HI8LC	176	141	178	163	142
KL7HNN	42	150	361	65	2
KL7AIZ	60	361	65	67	0

OCEANIA

KH6RS	633	1202	1303	1489	925
KH6IJ	276	645	1022	1231	493
KH6IAB	319	598	761	889	666
KX6BB	278	359	493	583	191
KH6GJY	230	243	292	519	153
VK2GW	39	397	224	381	94
KH6HIZ	0	309	180	373	15
KG6JAR	0	192	134	257	56
VK4ZV	0	135	266	237	0
KX6JS	35	175	47	101	81

SOUTH AMERICA

PJ2VD	480	552	952	1201	911
YV5KL	495	675	1201	834	690
LU5HFI	334	622	802	865	910
9Y4VU	355	388	559	576	639
OA4CBU	0	306	669	842	581
PJ9JT	0	90	400	483	402
PY7VNY	201	159	105	434	128
OA4AHA	28	33	226	417	271
PY1RG/1	27	123	332	427	74
PY2BBO	0	0	503	408	0

PHONE

AFRICA

	80	40	20	15	10
ZS6DW	45	375	357	1621	383
A2CCY	23	2	809	1047	322
ZS3CJ	46	0	165	746	223
CR7GJ	7	22	339	480	71
EA8CR	26	127	324	486	0
ZS6FN	0	0	231	355	14
CN8BO	0	16	174	272	0
3B8CV	1	3	37	336	10
CR7RM	0	0	46	173	42

ASIA

JA2IYJ	42	216	341	580	0
UAØFGM	74	163	368	412	1
JA1CG	9	98	335	375	4
JA1ELY	33	74	52	496	0
HS5AFJ	44	5	260	133	0
JA1FFC	4	50	113	181	0
JA2HGA	0	21	153	70	0
JA8FBM	0	4	69	127	0
JR1BRV	0	62	26	85	0
JA7YFY	0	6	96	69	0

EUROPE

CT1BH	176	192	629	1179	254
CT2BG	229	368	669	748	19
G2QT	56	102	484	525	2
GW3NWW	19	18	366	632	48
DL8PC	54	65	295	543	0
SM6CKU	34	83	553	213	0
OE2EGL	27	47	560	406	0
DL6WD	40	54	304	492	0
DJ6LV	35	101	326	361	0
HB9T	0	0	213	561	0

NORTH AMERICA

6J9AA	804	1406	2467	3003	2251
KZ5JF	634	529	978	1661	1464
XG1J	504	827	997	952	1377
VP2MY	611	501	947	1523	574
W4EV/VP9	389	513	853	1132	421
XE1LLS	350	677	814	1090	424
HI8LC	201	340	312	601	273
TI2WX	0	218	199	256	736
PJ8DX	49	193	429	199	314
8P6CY	0	0	417	548	178

OCEANIA

KH6IJ	266	657	1024	1525	756
KH6BZF	319	491	984	1320	888
KH6IAB	323	473	478	936	599
KG6JBO	112	470	374	843	72
VK4VU	2	195	393	679	180
KH6RS	320	84	84	135	0
KX6BB	21	133	182	243	96
VK2WD	0	11	31	11	50
WØBWJ/KH6	0	0	35	13	0

SOUTH AMERICA

4M4AGP	657	843	1890	1479	1992
LU5HFI	119	607	1192	1175	1655
9Y4VU	423	345	1028	1219	784
CE3AQW	8	290	1234	1660	1135
CP1EU	187	236	398	707	123
OA4AHA	29	3	847	533	669
OA4CBU	0	18	172	1131	353
OA4AIW	0	221	620	412	7
PY3APH	0	15	318	356	288
HK3LT	125	42	0	171	211

UD6AM	Azerbaijan	4224-22-64-D	OX3WQ	925,452-171-1804-B	VE3FAS	21,888-61-114-F-17	Multi-Single
UD6CN	108-6-6-B			Costa Rica	VE3GUL	1449-21-23-A-7	(+K1OME WAIKZE)
	Georgia		TI2DX	2,690,019-257-3489-C-44			1,404,153-267-1753-C-96
UF6CX	42,834-59-242-A		TI2WX	1,400,136-227-2056-A-38		Manitoba	WA1RBR (WA1s ABV JYY
UF6HK	8748-36-81-D				VE4SL	11,934-39-102-A	WA2LQZ)
UF6QAC	8100-25-108-A						1,200,642-298-1343-G-85
	Armenia		VP2MJ	16,986-38-149-B-10		Multi-Single	WA1LKU (+WA1LAK)
UG6GAF	8424-24-117-B				VE4JB (+VE4MF)	366,444-174-702-C-96	252,927-157-537-C-35
	Moldavia		WA7SUN/VP9	32,589-71-153-A-14		Saskatchewan	Multi-Multi
UO5SA	24,150-50-161-B				VE5RA	140,694-131-358-F	W1MX (WA1s ABV CQW JZC KKM
UO5AP	9702-33-98-A		6Y5EE (VE3s EDC EDG)		VE5TT	36,960-70-176-A-37	WB2 YJ W K3QDD WB4SMA
	Lithuania				VE5PM	27,258-77-118-B	WA8WNU)
UP2BAS	16,032-32-167-A		8P6DR	1,545,750-250-2061-D-47		Alberta	3,316,896-396-2792-E-96
	Multi-Single				VE6MP	130,806-86-507-C-46	Maine
UK2PAF (UP2s OX PAJ PAQ PAV)					VE6AVO	12,870-39-110-D-16	W1VF 141,897-203-233-B-49
	660,942-146-1509-B						W1BQL 19,665-57-115-A-15
UK2PAT (A.Lieponis, G.Shaltupis, A.Vilijoshius)	8184-31-88-A						New Hampshire
	Latvia						W1BPW 1,985,568-344-1924-C-80
UQ2OC	34,701-43-269-B						W7TML/1 862,638-266-1081-C-58
UQ2GBW	16,218-34-159-A						W1EHT 196,560-130-504-B-43
	Multi-Single						W1CHA 23,328-48-162-C-20
UK2GDZ (UQ2s GA GDM GDW)							WA1JSD/1 14,406-49-98-F-12
	305,745-109-935-B						Rhode Island
UK2GBY (S.Balehova, I.Ivanov, 200,200-104-644-B-UK2GAA (UQ2s GBJ ON PJ) 96,174-78-411-B							K1JYN 655,155-207-1055-F-45
	Estonia						K2LQQ/1 109,863-117-313-C-50
UR2QD	11,583-39-99-B						W1RFQ 10,584-49-72-A-11
	Rumania						W1AWE 7371-39-63
YO8FZ	114,426-78-489-A						Vermont
YO8KA (YO8DD, opr.)	39,060-60-217-B						WB2CKS/1 343,824-208-551-C-40
YO2AFB	28,614-38-251-A						WIPEG 39,360-80-164-B-35
YO6ADM	8640-32-90-A						Western Massachusetts
YO2RA	4640-29-54-A						W1YK (WA1JLD, opr.) 1,927,002-301-2134-C-77
YO3JA	2790-15-62-A						W1EZD 375,390-194-645-C-43
YO6LG	2760-23-40-A						W1UUC 232,389-171-453-B-56
YO7AHR	686-8-29-A						2
YO3JR	595-13-15-A						Eastern New York
	Multi-Single						W2DKL 1,528,866-310-743-C-88
YO5KAU (YO5s AMF DH TO) 42,768-54-264-A							K2BXL 511,290-230-161-C-54
	Yugoslavia						W1BGD/2 481,140-220-729-F-30
YU2RGB	106,560-80-445-B-52						W2AZO 454,968-217-712-C-53
YU4AAH	57,687-41-469-A						W2H0 438,480-210-696-C-50
YU3WO	54,171-39-463-B-30						K2AHQ 346,680-180-642-C-35
YU1SF	9894-34-97-A-25						WA2BWF 136,875-125-365-B-37
	Multi-Single						WA2HAI 123,750-125-330-A
YU2ACD (+YU2s HH RFF RME RNT) 745,416-153-1627-B-95							WB2BXL 80,010-105-254-C-24
YU4CFG (YU4VOY A.Kapetanovic) 81,852-76-359-B							W2AWF 53,820-92-195-E-23
	NORTH AMERICA						W2W1W 43,339-109-157-G-19
	Martinique						WA2TUJ 41,884-92-159-A-60
FM7WH 7896-28-94-A							WA2RQH 35,838-66-181-C-18
	St. Pierre & Miquelon Is.						W2AO 19,992-56-119-C-12
FP0BG 12,753-39-109-A-4							WA2EAH 15,345-55-93-C-4
	Dominican Republic						WA2AUB 2016-24-28-B-4
HI8LC 393,600-164-800-B-50							WB2EYU 330-10-11-B-4
	Panama						W2EEOO 75-5-5-A-1
HP1AC 49,680-60-276-B							WB2ESR 3-1-1-B-1
	Alaska						Multi-Single
KL7HNN 221,340-119-620-B-29							WB2OEU (+WA2SPL WB2SQN) 895,620-236-1265-E
KL7AIZ (WB4LEK, opr.) 170,877-103-553-E-13							WA2CLQ (+WB2JAM) 891,636-268-1109-C-96
KL7HNQ 87,723-81-361-G-24							K2MME (+WA2DNY) 739,068-242-1018-C-75
KL7GDO 17,340-34-170-C							W2SZ (WA2s EAH RAL) 286,824-152-629-C-40
KL7EWA 15,840-44-120-A-6							New York City-Long Island
	Virgin Islands						W2GGE 921,978-262-1173-C-56
KV4HW (W6OAT, opr.) 4,601,592-316-4854-E-83							K2MFF 398,076-196-677-A-58
	Canal Zone						W2FVS 379,080-195-648-B-40
KZ5NG (WA1LWS, opr.) 495,378-174-949-G-19							WA2RJR 175,980-140-419-A-83
	Greenland						K2HK 158,928-176-301-C-20
OX3YY 1,007,400-184-1825-D							W2HLI 127,254-127-334-F-28
							WA2YHK 115,500-140-275-B-27
							W2GKZ 114,924-157-244-F-22
							WA2NYV 90,576-102-296-B-54
							W2YU 72,504-114-212-C-21
							W2EFU 70,851-113-209-D-37
							W2AUM 69,888-104-224-D-48
							WA2FNY 62,559-63-331-C-30
							W2YJN 54,531-83-219-G-25
							WB2BO 24,120-67-120-A-33
							WA2CXQ 21,816-72-101-D-30
							W2CKR 19,116-59-108-D-18
							W2NUF 1932-23-28-A-4
							WB2BYU 360-10-12-A-4
							W2NHH 147-7-7-A-6
							Northern New Jersey
							W2GXD 1,716,639-353-1621-C-76
							W2YTD 884,736-256-1152-C-76
							W8CQN/2 685,500-250-914-E-41

DX Competition

(Continued from page 68)

CHECK LOGS

(W/VE PHONE) VE1AIH, VE4SD, W2FU/1, W2EGI, WB2MEX, W3DS, W3GRK, WB4JBP, WB4RUA, W5SU, W6HPB, W8EQG, W8MBB, WA9GFR.
(W/VE CW) W2FU/1, W2EGI, W2LKH, W3CTE, W3DS, W3EBK, W3GQC, W3LCX, W4ZC, WA4MFS, W6FZS, W7IWY, W8CL, WB8NTY, W2UJ/9, WB9DDR. (DX PHONE) CR6OZ, CR7AF, C29ED, F6BJA, F9OW, G5BAU, HI8XVM, HK5AIT, OD5EJ, OH7PB, OH7RF, PAØGN, PAØNMH, PAØTV, SM2COR, SM5CSS, SM5CVC, SM5GA, SP5BSV, SP9-2220, UK3LAC, UK4WAC, YB5AAQ, YV1KZ, ZB2CO. (DX CW) C29ED, DK5OS, DK5RY,

DL1YB, DL6WD, DM2CHN, DM2CYO, DM3TF, DM3UFJ, DM3XHF, DM3YTF, DM3ZMJ, F9QI, G5BAU, HA4XT, KL7FA, LA1K, LA2LI, LA4KQ, LA5KO, LA8XM, OH2BO, OH5YX, OH7RF, OH7SY, OK1AMS, OK1US, OK2BBQ, OK2BGR, OK3KAP, OK3SLH, PAØTO, PAØWAC, SK5AA, SM5BNX, SM5CPC, SM5DEN, SM5TK, SM6BZE, SM6CZU, SM7EH, SM7FYM, SP2AVE, SP3CDQ, SP7CLB, SP9BDQ, UA1WAR, UA3DAO, UA3LM, UA3MV, UA3TAM, UA4DK, UA6AAM, UA6AJG, UA6NX, UA9VQ, UAØDL, UAØFGM, UAØWAB, UAØYAE, UB5FAB, UB5HN, UB5NA, UC2009290, UC2-009-315, UK3DAA, UK3DAX, UK3LAC, UK4WAC, UK5ICA, UK6LAZ, UKØAAC, UL7JAE, UO5OAL, UP2DZ, UP2OO, UV3DN, UV3GW, UV9DU, UV9DX, UW6CV, UW6MP, UY5JW.

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