

# The LongPath

A North Alabama DX Club Publication

## Special points of interest:

- 50' Mast Program
- Frankenstein
- Quiz Program
- DXer of the Year Vote
- DX Contests
- CQ WW SSB
- ZL8R QSO Count

## How to Join

- \* Come to a club meeting;
- \* or send in an application by mail (form on [www.NADXC.org](http://www.NADXC.org))
- \* or call Jason Amos at (256)963-6833

## Counting our Blessings

By Tom Duncan, KG4CUY

It's again that customary time of the year to reflect upon our many blessings—in this context, as hams, and particularly, DXers.

We've had some important DXpeditions, with at least two big ones (VU7, Lakshadweep: VU7LD, sponsored by the Amateur Radio Society of India, and VU7RG, sponsored by the National Institute of Amateur Radio) still to come in 2006. NADXC was particularly fortunate to have Bob Allphin, K4UEE, a 3Y0X DXpedition impresario, to recount tales of Peter I.

The N3KS/N3ST KP5 Desecheo operation in December, 2005, intrigue and all, provided a rare, perhaps never-to-be-heard-again, prefix. April's YV0 Aves Island DXpedition, under a pall cast by the death of YV5LIX, could also be tough in the future—the island is rumored to be “sinking”, and access is at the discretion of the Venezuelan Navy. Another Western-hemisphere tropical delight was XF4DL, with a great on-line log. Only the occasional hurricane seems to have slightly impacted this well-organized group.

Closer to civilization than 3Y0, but still on the other side of the world, ZL8R's Microlites gave us a nice Polynesian prefix—see p. 7 for a summary. And let's not forget those one-man

shows like Elmo, 3COM, on Annabon.

Finally, not a DXpedition, but close to home and DX indeed, we all must thank Myron, W4UR for four years of *Short Skip* columns. December 2006 will be Myron's last edition, after roughly 400 DX snippets. Great job, Myron! By the way, Myron says he will be glad to loan his “pen” to a worthy successor. Worthy successors, please contact Tom, KG4CUY.

In a month or so, we'll have another opportunity to hear Bing and Rosemary croon *Counting your Blessings*. While they may have had white Christmases in mind, we're on the same train with them when it comes to DXing.

Happy Thanksgiving!

## W4RK promotes Frankenstein

As seen on [www.DXWatch.com](http://www.DXWatch.com)

Those who were watching spots instead of *Masque of the Red Death* on Halloween no doubt noticed a few from NADXC alumnus Bill Gerth, W4RK. Bill was giving fair warning of the appearance of station W00 on 80 and 40 meters. Appropriately, Whisky Zero Oscar hails from Frankenstein, MO, only a brief barge ride down the Missouri River or train ride on the Missouri Central from Bill's new QTH.

## November Program—J3A Stories/DX Quiz

Tim Pearson, KU4J is briefly in town, and will recount tales of operating J3A in the recent CQ WW SSB contest. Depending on available time, questions, and how outrageous these tales are, the DX Quiz may make it's second consecutive November appearance.

It's the November program potluck, beginning around 7:30 pm, after the business meeting. Don't miss it!



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The meeting was called to order at 7:00 pm, with 15 members in attendance. No visitors were present, nor were any membership applications submitted. The sign-in sheet and subsequent discussion revealed many members had worked the ZL8R Kermadec DXpedition.

Minutes of the September meeting were accepted as recorded in the LongPath.

The president distributed sheets showing actual expenditures versus budget: in summary, the bank balance is about \$250 greater than projected per the budget.

The president reported funding requests had been received for the XF4DL Revillagigedo DXpedition (October/November 2006), and the VU7 Lakshadweep DXpeditions (there are two—both in December, 2006). Some discussion was held, with a decision on this matter deferred until the November meeting.

The 2006 slate of officers was elected by acclamation—see *Election Results* on p. 3.

Meeting adjourned at 7:25, followed by a program and demonstration by Barry Johnson, W4WB, on *A 50' Rapid-deployment Mast*.

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**NADXC DXer of the Year Voting**

By the LongPath Staff

By the time you read this, congressional midterm elections will be in the past (barring recounts), but the really important vote will have yet to be held: for NADXC DXer of the Year. Ballots remarkably similar to the one at the right will be passed out during the business meeting, and collected after the quiz, thereby allowing any rancor which develops during the quiz (or J3A presentation—see p. 1) to flavor your vote. Fill in from one to three names. #1 votes receive more credit than #2 votes, etc., although the details by which the winner is determined are somewhat obscure.

Keep in mind the following when casting your vote(s) - this excerpted from the 2004 ballot:

*In selecting the recipient of the NADXC DXer of the Year Award, consideration should be given to the context in which the recipient's achievements were made; with experience, prior success, or operating resources being neither barriers nor prerequisites. Rather, the relative significance of the achievements and the recipient's skill, determi-*

*nation, and commitment, applied in accordance with the Amateur's Code, should be the primary determinants.*

*Achievements need not be limited to operating successes, and may include a variety of other activities. For example, research, technical publication, national or international recognition, and participation in activities both inside and outside NADXC are, among others, within the scope of this award, provided the other criteria detailed above are met.*

Should you wish to fill out the sample ballot before hand, bring it to the meeting, and submit it, poll workers will likely look the other way as you deposit it in the ballot box.

**NADXC DXer of the Year Sample Ballot**

	Name	Call
#1:	_____	_____
#2:	_____	_____
#3:	_____	_____

### FCC Releases "Omnibus" Ruling

On October 10, the FCC released its Report & Order related to Docket WT 04-140. Dubbed the "omnibus" ruling, the R&O makes significant changes to HF sub-band allocations, both for phone and CW. The ARRL website ([www.arrl.org](http://www.arrl.org)) has several news articles concerning the R&O, along with links to the full FCC ruling and other related details. Please take a look. The changes contained in the R&O will become effective 30 days after the R&O is published in the *Federal Register*, but no date has yet been set for that. (Also, no action has yet been taken by the FCC concerning the proposal to eliminate Morse code testing requirements for all amateur radio licenses.)

### New Contest Branch Manager at ARRL

Tom Hogerty (KC1J) has been assigned by the ARRL as Contest Branch Manager, replacing Dan Henderson (N1ND) who is now the League's Regulatory Information Branch Manager.

### KU4J Re-Appears During CQ WW Contest

While casually participating in the Oct 28-29 CQ WW DX SSB contest, I made a call to J3A on ten meters. To my surprise, the op responded and said . . . "That call sounds familiar. Is that you, Myron?" When I said yes, and asked who the op was, it turned out to be Tim Pearson (KU4J), who was taking a brief

radio break from his recent move from Alabama to Texas. It was nice to hear from him again.

### XF4DL Very Accessible

The recent XF4DL DXpedition to Revilla Gigeo provided many DXers a good chance to log a rather rare DXCC entity on many bands and modes. Those of you who worked them can check your QSOs in their on-line log, which can be found on the DXpedition's web site ([www.xf4dl.xedx.org](http://www.xf4dl.xedx.org)).

### Like to Know More About SWR?

The November issue of QST includes an interesting article on the many aspects of standing wave ratio. It's worth reading.

### The Newest Ten-Tec OMNI on the Horizon

The Ten-Tec web site ([www.tentec.com/Amateur/Transceivers/TT588](http://www.tentec.com/Amateur/Transceivers/TT588)) contains some preliminary information about the new OMNI VII HF + 6M transceiver. Although not yet in production (pending FCC approval), and no photo is available, it looks like the guys in Sevierville are about ready to introduce another version of its popular OMNI series of ra-

dios. Its specs are very interesting. The originally estimated date of late October for the Omni VII's availability has obviously slipped, but more than likely we'll be seeing some ads before long. Stay tuned.

### Some Interesting Statistics

I recently came across a website that has some very interesting statistical information on the number and geographical distribution of amateur radio licenses issued in the United States [UK, JA, and VK too—ed.]. Current and historical data is provided. If you're interested, take a look at [www.ah0a.org](http://www.ah0a.org).

### Another IRC Reminder

Don't forget about the series of International Reply Coupons (IRCs) that will expire December 31. An informative summary of IRCs and their status has been prepared by Bernie McClenny, W3UR and editor of The Daily DX bulletin. It's available at [www.dailydx.com/irc.htm](http://www.dailydx.com/irc.htm).

### Thanksgiving Wishes

The Short Skip desk would like to wish all NADXC-ers a happy Thanksgiving. We all have much to be thankful for.

*73 es gud dx . . . de W4UR*

NADXC election of officers and directors was held at the October 2006 Annual Meeting. The slate proposed at that meeting by the nominating committee was accepted by acclamation:

President Tom Duncan, KG4CUY

Vice President Tom Russell, N4KG  
Secretary/Treasurer Jason Amos, KD4BJW  
Director Mike Maples, K4ADK  
Director Vic Holland, K4RVH

Thank you Bob DePierre, K8KI, for a job well done as 2006 Vice President.

Installation of Officers will be held at the Christmas Party, Tuesday, December 12th, 6:30 pm at the Green Hills Grille, 5100 Sanderson Street, just off Wynn Drive.

**JA International Contest (SSB), 80-10 meters**

Nov. 11, 0700Z to Nov. 12, 1300Z  
Exchange: RS plus CQ zone

See page 104, Nov. QST or [jfdc.org/jdxrule-e.html](http://jfdc.org/jdxrule-e.html)

**WAEDC Contest (RTTY), 80-10 meters**

Nov. 11, 0000Z to Nov. 12, 2359Z

Exchange: RST plus serial number

See page 88, Aug. QST or [www.aedc.de](http://www.aedc.de).

**OK/OM DX Contest (CW), 160-10 meters**

Nov. 11, 1200 to Nov. 12, 1200Z

Exchange: RST plus serial number;  
OK/OM will add district code #

See page 104, Nov. QST or [okomdx.crk.cz](http://okomdx.crk.cz).

**LZ DX Contest, (CW), 80-10 meters**

Nov. 18, 1200Z to Nov. 19, 1200Z

Exchange: RST plus ITU zone or 2-

letter LZ district

See [www.qsl.net/lz1fw/contest](http://www.qsl.net/lz1fw/contest).

**CQ Worldwide CW, (CW), 80-10 meters**

Nov. 25, 0000Z to Nov. 26, 2400Z

Exchange: RST & CQ zone

See page 102, Oct. QST or [cqww.com](http://cqww.com).

**OTHERS:**

**DARC 10-Meter Digital Contest**

1100Z-1700Z, Nov 5

**JIDX Phone Contest**

0700Z, Nov 11 to 1300Z, Nov 12

**YO International PSK31 Contest**

1600Z-2200Z, Nov 17

**SARL Field Day Contest**

1000Z, Nov 18 to 1000Z, Nov 19

**All Austrian 160-Meter Contest**

1600Z, Nov 18 to 0700Z, Nov 19

**RSGB 2nd 1.8 MHz Contest, CW**

2100Z, Nov 18 to 0100Z, Nov 19



**ARRL 160-Meter Contest**

2200Z, Dec 1 to 1600Z, Dec 3

**ARRL 10-Meter Contest**

0000Z, Dec 9 to 2400Z, Dec 10

**Russian 160-Meter Contest**

2100Z-2300Z, Dec 15

Dates & times often change or are misprinted in the journals; beware.

Chuck, N4NM

**NADXC Officers**

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**NADXC Web Site Upgrades**

By Michael Werner, KF4BOG

Greetings NADXC Members. I have been talking to interim webmaster Tom about the NADXC Website and how it needs a big time makeover: I call this "Website—Makeover Edition". But this makeover will not be completed in seven days! First, Tom needs someone to help with the current design of the website, in particular with links, as most of them are out of date and very old and need to be checked. I will soon be placing a link on my website where NADXC members can get information, news and more .

Tom as asked me to ask the club if they have any ideas on what we should do with the current website as far as the links and content are concerned. Please send me your comments and I will discuss them with Tom.

I look forward to your comments. Send them to [kf4bog@amsat.org](mailto:kf4bog@amsat.org) .

73,  
Michael KF4BOG

## Cutting-Edge Printing Technology

By Steve "Johann" Werner, AG4W and Tom "Gutenberg" Duncan, KG4CUY

### Last One to Use Computer Generated Labels

I hope most of you have discovered how easy it is to use computer generated labels. My printing continues to get worse so I figured I would try to make address labels. It is not only easy, but time saving and fast. I get most of my addresses off the K4UTE web site if they have QSL managers and QRZ.com if they don't. Just highlight the address. Go to edit and click on copy. Open up Microsoft Word. Click on tools, then letters and mailing, then envelopes and labels. I bought the Avery Standard address labels at Target for less than \$5. That model 8160 included 750 labels. Word has a standard template for Avery labels so you click on the 8160 template under the options window. Then right click in the address window and click on paste. Under the print box, click on single label and fill in the row and column you want the label printed on. Then click print and you have a label. For return addresses if you don't use a stamp, you can click on print a whole page of the same address. Next I may

try to print QSO labels. I will try that after the CQWW contest. I already checked and Writelog has the capability. I will have to make a Staples visit to find a good sized label.

Steve AG4W

### How About Envelopes?

Like Steve, my abominable printing worsens with time. It is suitable for filling out QSL cards, but not for addressing envelopes.

When using a laser printer, printing just one label at a time means the page of labels will pass through the fuser many times. Labels eventually become dingy looking, crisp, and the adhesive dries out. None of this is a problem with ink jet printers, but while my ten year old LaserJet 4 still has life in it (and it certainly seems to), I'll continue to use it for QSL purposes.

My solution is printing the envelopes directly. Your favorite word processor will also have an envelope printing fea-

ture, and will store your return address. This feature is just the ticket for both the outgoing and return envelopes when you just can't wait for the bureau.

A word of caution: not all printers handle envelopes of all sizes with equal ease. Snacking on misfed envelopes, particularly for laser printers, should be avoided: the thickness of the envelope and the adhesives are the printer's equivalent of a diet of whale blubber, and just as messy to clean up. Rather than test your printer's tolerance for small or narrow envelopes (or both, in the case of the 6-3/4" envelopes I use), slip a piece of 8 1/2" x 11" laser printer transparency film under the envelope flap, and feed the envelope just like a regular sheet of paper. This will ensure proper registration, and avoid feeding problems. The transparent sheet will darken so that after a few dozen envelopes it is nearly black, but it works just as well that way.

Tom KG4CUY

## Unusual QSL Card of the Month

By The LongPath Staff

SN3A hails from Jarocin, whose coat of arms appears to the right. At first glance, it ap-



peared this ancient city had been visited by a great spider, but this turns out to be an impressive antenna structure, the four corner members held upright by guy and catenary tension. Were you confused by free-body diagrams of much simpler things?

This card appears courtesy of N4KG. To receive similar billing, forward your cards or pictures to the interim Long-Path editor.





## CQ WW SSB DX Contest 2006

By Tom Russell, N4KG (SOAB(A) HP)

I like collecting Multipliers and tuning around the bands to observe propagation and activity. QRP contesting is compatible with those goals during high sunspots. At the Low end of sunspot activity, I moved up to the Low Power (100W) category to have more fun on the Low Bands. Low Power Assisted produced even more multipliers so I enjoyed that activity.

After discovering that CQ groups everyone who uses Packet Spotting into the one and only ASSISTED Category, regardless of power, I decided to go High Power Assisted this year to enable me to work more of the elusive or difficult multipliers in Africa, Asia, and the Pacific.

Welcome to the World of Packet Pile-ups... This is no place to walk "barefoot"!

Conditions this weekend were 'challenging' with stark differences in propagation between the first 24 hours and the second 24 hours due to the magnetic disturbance that began at the start of the contest.

From the USA, 20M was the workhorse for the weekend. Several stations from SE Asia were coming through with fair to good signals the second night just before and after my sunset. XX9C had an especially good signal and pileup to go with it. I never did work him, but using VFO B, I ran around making contacts with AH2R, B1Z, B7P, BY1DX, YEOX, and 9M6DXX between calls to XX9C.

40M was GREAT the first night yielding 104 Q's and 84 mults in 3.5 hours but was noticeably short of new stations CQing the second night. Typically the Big Guns are there both nights and the little pistols are either sleeping or not CQing. Several stations in the Pacific

(JA, VK, ZL, AH2R) were easily worked after sunrise.

80M was surprisingly difficult to Europe the first night and noticeably better the second. I was especially surprised and pleased to hear and work several Pacific stations in E51 (ZK1), JA, VK, ZL before my sunrise peak Sunday morning.

From Alabama, 160M was the PITS all weekend. The first night I heard (and worked) 6Y1V, a VE3, and a K4 around 0600Z. Nothing else was even heard. The second night I heard and worked PJ2T, V26B, more VE's, and YV4A while the East Coast was happily working all over the Caribbean and Europe. NONE of them were discernible here. Sunday morning I was pleased to pick up XF4DL on 160M for a 6 Band Sweep.

15 Meters opened earlier and stayed open later than expected on Day 1. Foolishly, I just danced between 15 and 20M all morning while more astute contesters (or those watching Packet Spots from ALL Bands) flocked to the European opening on 10 Meters. Such is the price one pays for only watching spots from the current band... Day 2 opened to the SE and never moved beyond EA (and Italy). Back to 20M. UGH!

My rate became so bad that I took an hour off to literally 'walk the dog' before noon!

What a surprise to work a CT1 as my first contact on 10 Meters at 1930Z followed by CU, EA8, and lots of stations to the SE. Sunday afternoon would have been very boring without all of the activity from the Caribbean and South America on 10, then 15, and finally 20 Meters. Note that the magnetic disturbance actually enhances the Trans-Equatorial Paths.

Day 1 618 Q's 103 Zones 326 DXCC (aka Countries) in ~18 hours

Day 2 315 Q's 19 Zones 35 (new) DXCC Countries in ~14 hours

N4KG SOAB (A) High Power 32 Hours (all S&P) from ALA

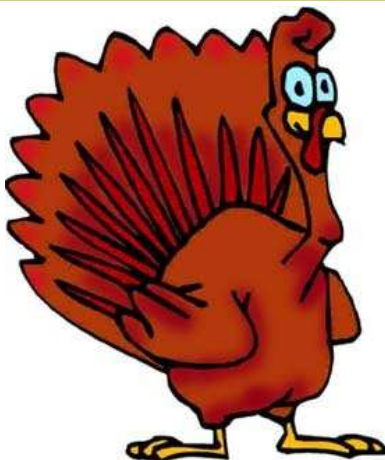
Band	QSO	Zone	DXCC
160	12	6	7
80	93	18	52
40	159	24	83
20	309	31	107
15	274	29	98
10	86	14	31
Total	933	122	378

= 1,280,000 points

*See N4KG Multiband QSOs, p. 7*

## K4BFT Field Day Results

By the LonogPath Staff



The official 2006 Field Day results have been published on the ARRL web site, and show K4BFT in fourth place in category 5A, and sixteenth place overall.

For the entire contest, key numbers of QSOs, entries, and participants are all up slightly from 2005.

Thanks to all who helped put K4 Big Fat Turkey on the air.



## ZL8R QSO Count

(as reported by 425DXN)

The Microlite Penguins ZL8R DXpedition to Raoul Island in the Kermadecs went silent October 17th after 7 days operating and over 40,000 QSOs, as detailed below.

	CW	SSB	TTY	Total
160	643			643
80	2488	551		3039
40	4702	1450		6152
30	4707		454	5161
20	4571	4222		8793
17	3531	1541	353	5425
15	3659	3659	571	7889
12	1148	1012		2160
10	604	564		1168

Operators EI6FR, HB9ASZ, K9ZO, N0TT, N6MZ, VK6DXI, W7EW and 9V1YC were provided with brand new Icom 7000 transceivers by Icom America, and managed all these QSOs with simple wire dipoles strung in trees.

The continental breakdown is North America 39%, Asia 30%, Europe 26%, Oceania 3%, South America 1%, and Africa 1%.

When you send your QSLs, remember to include a little extra to help defray costs. The majority of expenses, including two weeks' charter of a ship, came out of the operators' pockets.

Last month's 50' Rapid Deployment Mast program was unusual both by demonstrating such a formidable-sounding contraption inside Ryan's, and by showing us how sound engineering and workmanship produce an item of such great utility, ease-of-use, and a joy to behold.

Several days later around the coffee

## N4KG CQ WW SSB Multiband QSOs

(cont'd from p. 6)

Multiband QSO's	6 Bands	5 Bands	4 Bands	3 Bands
1	PJ2T	CU2A	T40M (CO)	CE4CT
2	V26B	FM / K9NW	CT3YA	CN3A
3	XF4DL	J3A	CT9L	CQ9T
4	6Y1V	NP2B	EA8AH	CX6VM
5		P40W	EA9LZ	DF0HQ
6	(4)	PJ4E	EI7M	DQ4W
7		VE7SV	FS / WY3P	EA4KR
8		YN2EJ	GW4BLE	ED3SSB
9		YV4A	HB0/HB9AON	EF8A
10			HD2A	TM2T
11		(9)	HI3TEJ	HG6N
12			HI9L	HR2RCH
13			WP2Z	IR4X
14			LR2F	JA3YBK
15			OE4A	AH2R (KH2)
16			OT6A	LR1F
17			PS2T	LT1F
18			S50A	LU7HN
19			TI8M	OE2S
20			VE2IM	OH0Z
21			VY2TT	OM5M
22			VP2MDY	OM8A
23			VP5DX	PY2SBY
24			YT0A	PY2ZXU
25			ZL6QH	PR2A
26			ZS9X	RU1A
27			3V6T	RK2FWA
28			9A1P	V51W
29				V73RY
30			(28)	VE6AO
31				VP5T
32				VP9I
33				XE1RCS
34				3DA0WW
35				5B/AJ20
36				6W1RY
37				7W2W
				(37)

See N4KG Multipliers, p. 8

### Last

### Month's Program

By a Fly on the Wall

machine, a discussion arose about the unsightliness of cell phone towers. Fortunately it didn't turn to attacks on the obvious beauty of ham towers, so I didn't feel the need to mount a defense. The key argument was that towers—for antennas, power distribution, or what have you—haven't significantly evolved for over 100 years.

This is a point well taken. We're always in search of a better sky-hook. What will take the place of 10' sections of Rohn 25 in the year 2026? Or even at the next field day?

Your thoughts are welcome. And thanks to Barry, W4WB, for a great program.

## N4KG CQ WW SSB Multipliers (cont'd from p. 7)

N4KG SOAB(A) HP SSB 2006		CQ WORLD WIDE DX CONTEST		MULTIPLIERS											
01	..*..	3D2	.....	9V	.....	EP	.....	HL	.....	OA	.....	TF	.....	VP9	.....
02	.....	3D2/c	.....	9X	.....	ER	..*..	HM	.....	OD	.....	TG	.....	VQ9	.....
03	.....	3D2/r	.....	9Y	..*..	ES	..*..	HP	.....	OE	.....	TI	.....	VR	.....
04	.....	3DA	.....	A2	.....	ET	.....	HR	.....	OH	.....	TI9	.....	VU	.....
05	.....	3V	.....	A3	.....	EU	.....	HS	.....	OH0	.....	TJ	.....	VU4	.....
06	.....	3W	.....	A4	.....	EX	.....	HV	.....	OJ0	.....	TK	.....	VU7	.....
07	.....	3X	.....	A5	.....	EY	.....	HZ	.....	OK	.....	TL	.....	XE	.....
08	.....	3Y/b	.....	A6	.....	EZ	.....	I	.....	OM	.....	TN	.....	XF4	.....
09	.....	3Y/p	.....	A7	.....	F	.....	IG9	.....	ON	.....	TR	.....	XT	.....
10	.....	4J	.....	A9	.....	FG	.....	IS	.....	OX	.....	TT	.....	XU	.....
11	.....	4L	.....	AP	.....	FH	.....	IT9	.....	OY	.....	TU	.....	XW	.....
12	.....	4S	.....	BS7	.....	FJ	.....	J2	.....	OZ	.....	TX0	.....	XX9	.....
13	.....	4U1I	.....	BV	.....	FK	.....	J3	.....	P2	.....	TY	.....	XZ	.....
14	.....	4U1U	.....	BV9P	.....	FM	.....	J5	.....	P4	.....	TZ	.....	YA	.....
15	.....	4U1V	.....	BY	.....	FO	.....	J6	.....	PA	.....	UA	.....	YB	.....
16	.....	4W	.....	C2	.....	FO/a	.....	J7	.....	PJ2	.....	UA2	.....	YI	.....
17	.....	4X	.....	C3	.....	FO/c	.....	J8	.....	PJ7	.....	UA9	.....	YJ	.....
18	.....	5A	.....	C5	.....	FO/m	.....	JA	.....	PY	.....	UK	.....	YK	.....
19	.....	5B	.....	C6	.....	FP	.....	JD/m	.....	PY0F	.....	UN	.....	YL	.....
20	.....	5H	.....	C9	.....	FR	.....	JD/o	.....	PY0S	.....	UR	.....	YN	.....
21	.....	5N	.....	CE	.....	FR/g	.....	JT	.....	PY0T	.....	V2	.....	YO	.....
22	.....	5R	.....	CE0A	.....	FR/j	.....	JW	.....	PZ	.....	V3	.....	YS	.....
23	.....	5T	.....	CE0X	.....	FR/l	.....	JW/b	.....	R1FJ	.....	V4	.....	YU	.....
24	.....	5U	.....	CE0Z	.....	FT8W	.....	JX	.....	R1MV	.....	V5	.....	YV	.....
25	.....	5V	.....	CE9	.....	FT8X	.....	JY	.....	S0	.....	V6	.....	YV0	.....
26	.....	5W	.....	CM	.....	FT8Z	.....	K	.....	S2	.....	V7	.....	Z2	.....
27	.....	5X	.....	CN	.....	FW	.....	KG4	.....	S5	.....	V8	.....	Z3	.....
28	.....	5Z	.....	CP	.....	FY	.....	KH0	.....	S7	.....	VE	.....	ZA	.....
29	.....	6W	.....	CT	.....	G	.....	KH1	.....	S9	.....	VK	.....	ZB	.....
30	.....	6Y	.....	CT3	.....	GD	.....	KH2	.....	SM	.....	VK0H	.....	ZC4	.....
31	.....	7O	.....	CU	.....	GI	.....	KH3	.....	SP	.....	VK0M	.....	ZD7	.....
32	.....	7P	.....	CX	.....	GJ	.....	KH4	.....	ST	.....	VK9C	.....	ZD8	.....
33	.....	7Q	.....	CY0	.....	GM	.....	KH5	.....	SU	.....	VK9L	.....	ZD9	.....
34	.....	7X	.....	CY9	.....	GM/s	.....	KH5K	.....	SV	.....	VK9M	.....	ZF	.....
35	.....	8P	.....	D2	.....	GU	.....	KH6	.....	SV/a	.....	VK9N	.....	ZK1/n	.....
36	.....	8Q	.....	D4	.....	GW	.....	KH7K	.....	SV5	.....	VK9W	.....	ZK1/s	.....
37	.....	8R	.....	D6	.....	H4	.....	KH8	.....	SV9	.....	VK9X	.....	ZK2	.....
38	.....	9A	.....	DL	.....	H40	.....	KH9	.....	T2	.....	VP2E	.....	ZK3	.....
39	.....	9G	.....	DU	.....	HA	.....	KL	.....	T30	.....	VP2M	.....	ZL	.....
40	.....	9H	.....	E3	.....	HB	.....	KP1	.....	T31	.....	VP2V	.....	ZL7	.....
1A	.....	9J	.....	E4	.....	HB0	.....	KP2	.....	T32	.....	VP5	.....	ZL8	.....
1S	.....	9K	.....	EA	.....	HC	.....	KP4	.....	T33	.....	VP6	.....	ZL9	.....
3A	.....	9L	.....	EA6	.....	HC8	.....	KP5	.....	T5	.....	VP6/d	.....	ZP	.....
3B6	.....	9M2	.....	EA8	.....	HH	.....	LA	.....	T7	.....	VP8	.....	ZS	.....
3B8	.....	9M6	.....	EA9	.....	HI	.....	LU	.....	T8	.....	VP8/g	.....	ZS8	.....
3B9	.....	9N	.....	EI	.....	HK	.....	LX	.....	T9	.....	VP8/h	.....		
3C	.....	9Q	.....	EK	.....	HK0/a	.....	LY	.....	TA	.....	VP8/o	.....		
3C0	.....	9U	.....	EL	.....	HK0/m	.....	LZ	.....	TAL	.....	VP8/s	.....		

## Towers as Art By the LongPath Staff

Of course hams have a certain acquired appreciation for the “functional beauty” of antenna supports, but is there an innate appreciation of towers, whether or not adorned with antennas?

There are many cases in which towers have become symbols of cities, for the most part because they were audacious architectural achievements in their era. The Eiffel Tower and the

Leaning Tower come to mind immediately. Others run a close second—the Coit Tower in San Francisco.

Stupendous buildings may be thought of as towers, and are often so called: the Petronas Towers, Sears Tower (unrecognizable as such without the antenna towers on top), and World Trade Center Twin Towers. These have a way of falling out of fashion: the Em-

pire State building and Prudential Building just aren’t what they used to be. The only towers made expressly for art’s sake which come to the LongPath art staff’s feeble minds are Rodia’s Watts Towers. Perhaps Gaudi did something similar in Barcelona.

A carefully-crafted question on this subject would throw a monkey wrench into the November Quiz’s works.