



**OKlahoma
DX Association**

October, 2000

From Da' Prez

By LARRY SHIMA, WØPAN

As you read this, the new Officers began their new terms in office on October 1st:

Larry Shima, **WØPAN**, President
Clif Sikes, **N5UW**, VP / Activities
Dick Stricker, **NJ5S**, VP / Operations
Jerry Chouinard, **K5YAA**, Sec / Treasurer

Next month, I will announce the line up of the 5 Directors covering each quarter of the state plus the central area. I want to thank Lu Fisher, **K5YP** who was our Vice President of Operations last year. Due to the press of business, Lou chose not to stand for election. My thanks to everyone who helped the OKDXA achieve another successful year of activity in chasing DX, contesting, supporting DX'peditions, and attracting new members to the OKDXA.

I attended the CORA meeting on Tuesday, September 26th. Their New Officers were elected as shown on page two of this C&E. Special thanks go to Hal Miller, **KBIZQ** for his outstanding five years as CORA President. His dedication (along with XYL Linda, **N1LPN**) has kept both the C&E and Ham Hliday at the forefront of the Amateur Radio community in Oklahoma. Hal and Linda will continue to publish the C&E and we appreciate their good work.

THE PICNIC ON SEPTEMBER 24th:

Turned out to be a non-event as only 5 members and 3 spouses let us know they would attend. The modest RSVP rate, with the Governor's outdoor grilling ban due to the wildfire hazard, pretty well negated the picnic concept and it was canceled.

OKDXA HAM OF THE YEAR:

Traditionally, we've always awarded the OKDXA Ham Of The Year plaque at our annual banquet. With the cancellation of the picnic, a formal presentation of the Award was not possible. This does not diminish in any way our appreciation for the fine work done on our behalf by our newest **OKDXA HAM OF THE YEAR - ROSS HUNT, K5RH**. Ross has done many great things for the OKDXA over the years and has contributed much to

Amateur Radio. Just one of his many contributions is DXCC QSL checking, an important but very time-consuming task.

THANKS, ROSS, WE APPRECIATE EVERYTHING YOU'VE DONE FOR THE OKDXA AND THE HOBBY !!!

As we approach another year in the new millennium, we would like your input on activities, events, meetings, etc. that you would like the OKDXA to sponsor. As you know, we actively provide financial support to DXpeditions to the extent our treasury permits. This is typically 3 - 4 per year at \$150 - \$200 each. For a club to thrive and attract new members, it is essential that the members participate actively in various club sponsored events. Please send Clif Sikes, **N5UW** any ideas for things you would like to see the club do to promote the fun of belonging to the association. We've tried a few new things this year, like the Y2K Competition and the picnic approach to our annual banquet. The Y2K Competition met with marginal success while the picnic was a complete bust, so you know there's plenty of room for improvement with your help! Last I heard, nobody had an exclusive on Good Ideas in this club, so let us hear yours!

AND, SPEAKING OF GOOD IDEAS:

I know I'm not the only one around here who remembers the old Howdy Doody TV show. Buffalo Bob Smith always started by asking: "What time is it...?"

Well, I'm not going to tell you it's Howdy Doody Time, but I will say it's "RENEW YOUR OKDXA MEMBERSHIP TIME!" October is OKDXA Membership Renewal Month and I know how much you enjoy being nagged about it. Believe me, I get the same thrill from doing this. We'll be mailing out the dues reminders "real soon" and the sooner you get your renewal back to Jerry Chouinard, **K5YAA**, the sooner I will stop nagging. That's something we can all look forward to. Let's do everyone a favor by returning your renewal at your earliest convenience. For those who've been meaning to join the OKDXA, this is an excellent time to get with Jerry (see the contact info at the end of this newsletter) and become a member! —WØPAN

Secretary / Treasurer Report

By JERRY CHOUINARD, K5YAA

"CQ DX, CQ DX, CQ DX... DE K5YAA"

From Da' Editor

By NELSON DERKS, AC5UP

As the HF bands shift from summer to winter conditions with the fall equinox, we should start hearing more Trans-Equatorial propagation into South America on 10 and 12 Meters and might get lucky enough to hear some Trans-Equatorial on Six if Ol' Sol is in the mood. It's an interesting time of year and the lower bands are definitely "Open For Business" again.

Here at Casa QRM, the weather switched from 'Broil' to 'Simmer' last month and I did a little antenna work that was rewarded by an abundance of 'first call' contacts during the Worked All Europe contest. I was hot into Eastern Europe and probably relied on good band conditions more than an over-achieving wire at the far end of the coax, but I'm not complaining.

Last spring I got a wild hair and took down the 20 Meter Extended Double Zepp to try out a non-resonant terminated long-wire. Bad Move. Although I had a dead flat SWR on 40 Meters and above, the performance on 20 and up was dismal with spurs from two local AM stations popping up throughout the HF range. I know multi-band antennas tend to be a compromise, but this was ridiculous. Maybe the EDZ had me spoiled, as it was one of the best mono-band wires I've used.

I was tempted to try a non-resonant Folded Terminated Dipole but, after reading the modeling comments by L. B. Cebik, **W4RNL** about mediocre TX performance, the hassle of building a 16:1 balun and weatherproofing the 800Ω non-inductive resistor didn't appeal to my inner sloth. As a general rule, any antenna that requires a complicated matching device is probably more trouble than you need. I opted for an old favorite, the Off-Center Fed Dipole or, as it's often called, a "Coaxial Windom".

I put one up a few years ago that worked well, but the rig at that time had no Auto-Tuner. On some bands the SWR power fold-back circuit was working overtime and I wondered if I could do better. Never could tweak it into complete sweetness. But, have you noticed how the second try usually turns out better than the first? Same here. In its simplest form, the 136' OCF Dipole doesn't work on 30 or 15 Meters, and mine needs a little help from a tuner on 75 Meter phone from 3.75 to 3.99 MHz, but the SWR is almost flat on 40,

20, 17, 12 (all full band) and 10 Meters (28.2 through 29.2 MHz). Plus, it loads nicely on 50.125 MHz and that's a good assortment. I didn't expect much fire in the wire on Six, as the balun is working above its design limit, but a little testing on a local Net tells me it radiates 'Not Bad'.

As for performance, Saturday night on 20 Meters during the WAE contest saw Lithuania, Croatia, Russia, Slovenia and England in the log while Sunday morning added Bulgaria, Latvia, Germany, Poland Lithuania, Slovenia and Belgium on 10 Meters. All barefoot at 100 Watts, all on the first call. I could have worked many more, but I had things to do and wasn't in a contest mood. All I wanted was a little antenna check, and the QSO on 12 Meters with OM5DP in the Slovak Republic indicated the OCFD does haul the freight.

If you want an OCF Dipole in your yard, you'll need a pair of supports in the 30' or better range at least 100' apart. Running the wire on a true North-South line with the short wire at the South end works well for me. I used a pair of 30' push-up TV masts (easy to find at your local Handy-Guy mega-store) topped with 5' of gray 1.5" PVC conduit to give 3' of separation between the wire and mast. Glue a "T" fitting on the top as a wire guide, then cut four slits in the bottom and hose clamp it to the mast. You'll need 140' of 12 or 10 gauge THNN wire, solid preferred, two toroid cores of Mix 61 or 43 material, plus the usual rope and hardware. In my case, I bought some mid-sized Mix 43 (850 μ) toroids on eBay last year. Although 125 μ is the textbook choice for HF, the 850 μ cores have worked well with fewer turns.

You can make a career out of comparing all the variations of the OCF Dipole and, as the old joke says, six web pages will give you the eight best ways to build one. Here's mine: First, you build a two-core 4:1 Guanella 'current' balun. Don't use a Ruthroff 'voltage' balun, stacked cores on beaded coaxial lines, or a single-core Guanella with this antenna. The dual-core (or dual rod) 4:1 Guanella is as close to 'transparent' as any balun I've used and I tried plenty of different baluns when I was tinkering with the terminated long wire. Trust me on this. You'll find a ferrite rod design (same wiring as a toroid balun) at www2.dynamite.com.au/vk1brh/CM4Balun.htm. Mine are wound with 18ga stranded silver-teflon on beefy little 1" OD toroids

about 3/4" long that hang an inch or two below the insulator. Drop the RG-8X coax feed straight down to the ground and I used RG-213 from there to the shack. This makes a break point for maintenance, mowing and the ground rod I'll install whenever I get around to it. Waterproof the barrel splice with Scotch 33 or 88 PVC tape. (don't waste your money on cheap electrical tape as you may regret it after the first good rain) For the 'Magic Wire Lengths', I found 45' 6" on the short side and 138' overall tip-to-tip is a good start. Prune the long side (only) in 3" steps until the bands drop in where you want them. If you're a CW guy, you probably won't cut anything. And, in case you're wondering how you squeeze 138' of wire between supports 100' apart, the ends droop. The masts here are 120' apart with the wire tips coming down at a 25 degree angle.

You can learn more about the OCF Dipole at <http://www.cebik.com/groundup.html> as well as other antennas worth considering. It's an excellent series of articles and well worth your time, although some of the charts for the 80 Meter OCF Dipole are a bit contradictory and some of the text needs a little editing. Another good source for links to antenna projects can be found at <http://www.dxzone.com>. Be sure to visit www2.arrl.org/tis/info/pdf/9008028.pdf to see how a pair of shorter wires can be added for 30 and 15 Meters. I'll be doing that to mine, but it's been working so well I'm not inclined to 'fix' it just yet. You'll also find a variation on the feed method at <http://users.erols.com/k3mt/windom/windom.htm>, but I'm a bit leery about the balun design used by **K3MT** as I've had better luck with Jerry Sevick's three-core model. Look it over, and when you need a break from antennas, <http://www.hypertools.com> can be amusing for the formerly OD OM.

Another web page worthy of your click is <http://www.mods.dk> where you'll find a large assortment of little tricks you can do with some of the gear you might own. As an example, if you have an ICOM IC-W32A dual-band HT, you may want to try this: With the power off, press and hold the BAND and SQUELCH buttons, then turn the power on as you continue holding BAND and SQUELCH for five seconds. Why would you do that? Switch the UHF (left side) display to VFO, then punch in 999.990 MHz from the keypad. Taa-Daa! The receiver accepted the entry because you now have wide-band RX up to 1 GHz.

It's cellular-blocked, but in the Tulsa area I'm hearing plenty of PD activity around 603 and 858 MHz with good sensitivity on the stock rubber duck and I didn't lose any of the memories. Owners of newer Yaesu rigs will find diagnostic codes that allow them to twiddle the processor, but, as with any mod, think twice and know when to quit, especially with the hardware mods. Break it, and you will own both pieces. (!)

Speaking of mods, the most important one you can take advantage of is to **VOTE ON NOVEMBER SEVENTH!** I believe you have no right to complain about "Th' Guvamint" if you don't vote. And, like they say in Chicago: Vote early and often. It does make a difference! — AC5UP

OPDX Bulletin - Internet Edition

The Ohio/Penn DX PacketCluster
Editor Tedd Mirgliotta, KB8NW
Provided by BARF-80 BBS Cleveland, OH

3A, MONACO

"The 59(9) DX Report," says listen for Willi, DJ7RJ to be active from October 1-20th as **3A/DJ7RJ** including Topband operation (1832 kHz). QSL via home call.

3B6, AGALEGA

Carlos, CT1END reports preparations for this DX'pedition will soon be completed. On September 23rd Karl, HB9JAI and Jack, F6HMD will travel to Agalega to make final preparations while the rest of the crew arrives on October 1st. Activity begins October 8th and ends on the 25th.

3B8, MAURITIUS

Listen for **DL7DF** and **DL7BO** from November 3-17th. No call signs were mentioned, but they will operate from **3B8** using a beam plus a vertical for 80 and 160 Meters. QSL via the DARC bureau to DL7DF or direct to: Sigi Presch, DL7DF, Wilhelmshuehlenweg 123, D-12621 Berlin, Germany.

3W, VIETNAM

"The 59(9) DX Report" claims that Hans, **W1LWS** plans to be active from here November 9-26th. (including the CQ WW CW Contest) He operates CW exclusively and has applied for 80, 40, 20, 15 and 10 Meters, but 80/40 Meters may be doubtful.

3XY2, GUINEA

"The 59(9) DX Report" reports that Dan, VE2DPS has returned to Conakry as

3XY2D, but has some antenna problems that will be resolved. QSL via W3HKNK.

4W, EAST TIMOR

Dennis, K7BV has updated the 4W/K7BV (**4W6DX**) East Timor DXpedition Web page. The site contains up-to-date info on the operation scheduled for October 8-16th and can be found at:

<http://www.qth.com/k7bv/timor/>

5B4, CYPRUS

Listen for Dez, **5B4/GØDEZ** to be active until 2003. He likes 17 Meter CW/SSB between 1830 and 0300z (sometimes as early as 1430z) and is hoping to obtain a 5B4 and ZC4 callsign. QSL via GØDEZ.

5N, NIGERIA

Bogdan, **5N3CPR** operates quite a bit of 17 Meter CW and is active between 2200 and 0100z around (or just below) 17080 kHz. He will be in Poland soon for some time off, but plans a return to Nigeria to resume his 5N3CPR operation in October. His home call and QSL route is SP5CPR.

9K2, KUWAIT

Listen for Bob, K4CY (ex-N6BFM) to return to Kuwait. He plans to reactivate his old call sign, **9K2ZZ** and may work some PSK31. QSL via W8CNL, direct only.

9X, RWANDA

Charlie, **N4CT** (ex-T5CT, SVØCT, G5BAU, GC5BAU, TJ1AW, K4PHY/YV5, DL5IX) will be in Kigali from January 12th through March 12th working at the U.S. Embassy. He is currently looking for a place to guest operate while there and would appreciate any info. His E-mail address is: n4ct@onebox.com

A3, TONGA ISLAND (also Fiji)

Hrane, YT1AD and Dragan, Z32AU will be active as **A35AD** and **A35AU** until October 28th. After Tonga Island they will be operating as **YJØAD** and **YJØAU** from October 28th to November 5th, then return to Fiji as **3D2AD** and **3D2AU** November 5-10th. Activity will be CW and SSB on all HF bands including 6 Meters. QSL via YT1AD and Z32AU.

A5, BHUTAN

TN7A, HKØ, etc will be active from Paro, Bhutan from October 27th to November 3rd. They will operate on all bands 160-6 Meters, SSB / CW / RTTY (call signs not mentioned). Some will participate in the CQWW DX SSB Contest while others will be active on CW & RTTY in the WARC

bands. QSL all call signs via JH1NBN: Yoosuke Uchiyama, 924-4 Yokokawacho, Hachioji, 193-0823 JAPAN.

Charly, **K4VUD** announced: "I have it on good authority that I will be able to use at least 1000 watts xmit power in Bhutan (A5) during my trip in early December. At this time I do not have a 1 kW linear, but the permission is good news. I want to try 160, 80 and 40 and am inquiring about a 580 foot straight line beverage installation. With Bhutan's wind (the thunder dragon!) a balloon vertical is out of the question, but antenna suggestions are welcome. You can e-mail Charly at: k4vud@hotmail.com

The **A52FH** op is now history. Activity ended September 14th at 0125z on 20 Meter CW. The team made 14,015 QSO's but this is not the final result. Mark, F6JSZ reports the team appreciates everyone who worked them, and especially Rafik, F5CQ and Laurent, F8BBL the two pilot stations. It was a fabulous experience to operate from Bhutan, and on the last week, F5LMJ and F2VX installed a 40/80m Dipole and Cushcraft R8 vertical with an FT-900, TS-440 and FL-2100Z at the radio club of Thimphu. On September 12th, at 1500z, the first QSO was made by Thinley Dorji, General Director of Telecommunications in Bhutan with the new **A51AA** call. Later that week Peter, ON6TT operated A51AA and was last heard September 16th.

AX9, NORFOLK ISLAND

"The Daily DX" reports that a multi-national team of YL operators from seven countries will be active as **AX9YL** from October 5-12th. The team will be active on CW and SSB. The special call sign was granted by the WIA (Victoria) for this trip, so QSL's will be via the VK3 bureau or direct to VK3DYL, Gwen Tilson, 3 Gould Court, Mt Waverley, Victoria 3149, Australia with return postage and SAE.

CN8, MOROCCO

The Bavarian Contest Club will operate as **CN8WW** from Morocco in the upcoming CQ WW Contests as a Multi / Multi team to offer a good chance to work CN on all bands from 160-10 Meters. There will be a new picture QSL card for this activity and a special card for those who work them on 5 or 6 bands in honor of their performance.

CQ WW Contest SSB (October 28-29): QRG's (+/- QRM): 1840 / 3799 / 7099 / 14255 / 21355 / 28455 kHz

CQ WW Contest CW (November 25-26): QRG's (+/- QRM): 1833 / 3503 / 7003 / 14033 / 21033 / 28033 kHz

Before and after the contest they will operate as **5C8M** in CW, SSB, RTTY on 6 Meters and the WARC bands. More info is at: <http://www.dl6fbl.de/cn8ww/> QSL cards for **CN8WW** and **5C8M** to DL6FBL (bureau or direct): Bernd Och, Christian-Wirth-Str. 18, D-36043 Fulda, Germany.

D4, CAPE VERDE (IOTA operation)

Manuel, EA8BYG and Jose, EA8EE will be active near the capital of Mindelo from the Island of Sao Vicente (IOTA AF-86) November 18th. They will operate from Carlos', **D44AC** QTH with his call on all HF bands around the IOTA freqs including 17 & 12 Meters and 50 MHz. (grid locator HK76KM) Modes will be CW, SSB, RTTY, PSK31, HELL, STREAM, MT63, SSTV and PACTOR. QSL to EA8URL. (Gran Canaria DX Group)

D6, COMOROS

The Five Star DX'ers Association, closely linked to the CDXC (Chiltern DX Club) and UK DX Foundation, announce a three week DX'pedition as **D68C** February 6-26th using a Titanex Vertical and RX antennas for 160 Meters. This will be an all mode, all band operation with 6 stations active and the multi-national group is looking for sponsors to help with the high cost of the operation. For more info, contact Don Field, G3XTT via E-mail at g3xtt@lineone.net

E3, ERITREA

Bavarian Contest Club (BCC) members Chris, **DL5NAM** and Dieter, **DF4RD** will be active from Asmara, the capital city of Eritrea (and 7th most wanted entity), from October 17th through November 1st. Their activity will be on 160-6 Meters SSB, CW, RTTY and PSK31. Call signs and QSL info will be announced upon their arrival. Any donation or sponsorship is welcome (the call signs cost 1,000 USD). For more information, contact Chris, DL5NAM via E-mail to: dl5nam@web.de or visit <http://www.qsl.net/e30>

FG, GUADELOUPE

Four members of the Florida DXpedition Group (FDXPG) Bob, KR4DA; William, N2WB; Bill, W4WX and Clarence W9AAZ, will be here October 24-31st. They will be a Multi-Single entry in the CQWW Contest as **FG5BG**. Listen for them before and after the contest signing

FG/homecall on CW, RTTY and SSB. QSL FG5BG to KR4DA, FG/N2WB to N2OO and all others to homecall. For more info, visit the following Web pages:

<http://www.geocities.com/n2wb23/>
<http://members.xoom.com/FDXPG/>

HF & 3Z, POLAND (Special Events)

Now through November 6th, listen for **HF6WR** marking the 1,000th anniversary of Wroclaw City in Poland. Activity will be on 80-10 Meters and 6 & 2 Meters with your best chance on 15 Meters between 1400 and 1930z. QSL to SP6ZDA through the bureau or direct to: Scouts Radio Club SP6ZDA, Box 41, 51-673 Wroclaw 9, Poland. A special diploma is available. For more information, visit:

<http://www.wroclaw.tpsa.pl/user/sp6pwr>

The Polish special event station, **3ZØMM** will be active until November 30th to celebrate the millennium of the historic meeting of Polish King Chrobry with German Emperor Otton III in Szprotawa. QSL bureau or direct to SP3JHY: Jerzy Ryks, os.B.Chrobrego 3/IV/7, 67-300 Szprotawa, Poland.

J2, DJIBOUTI

"The 59(9) DX Report" claims Houssein, **J28FH** is a new operator in Djibouti using a 10 Meter only rig with a small amplifier (70w) to a mobile antenna 3 meters high. He is building a 3 element beam for the HF bands and frequents 28580 kHz after 1930z. QSL via WA2VUY.

KH5, KINGMAN REEF

A press release from the Kingman Reef / Palmyra DX Group was received from Garry Shapiro, NI6T that says, in brief, their DXpedition plans are on track. The Kingman Reef DXpedition team will depart Honolulu by air on October 15th for the Kiritimati Atoll (Christmas Island) in Eastern Kiribati. The team will then take the motor schooner "Machias" to Palmyra Atoll and Kingman Reef where they will join Mike, KH6ND who is currently active as **KH6ND/KH5**. During at least 12 days at Kingman, they will be active on all bands from 160 to 6 Meters on CW, SSB and RTTY with up to six stations. The expenses for this DXpedition include over \$50,000 for transportation and are largely dependent on assistance from individuals and DX organizations, especially those in Europe, to meet the costs. Contributions should be sent to: Tom Harrell, N4XP,

2011 New High Shoals Rd., Watkinsville, GA 30677.

MJ, JERSEY

Barry, **NØKV** (currently living in the UK as **MØCQS**) received permission from the Jersey Amateur Radio Society for use of their club station for the CQWW SSB Contest (October 28-29th) and associated operation. He will use the call **MJ/NØKV** from LaMoye, Jersey, Channel Islands, UK (Zone 14) as Single Op or Multi / Single. Operation before the contest will be CW / SSB starting October 22nd during local days and evenings. Jersey is IOTA EU-013. QSL via NØKV, Barry Mitchell, 12200 Boothill Dr., Parker, CO 80138

OHØ, ALAND ISLAND

The Aland Islands contest station **OHØZ** will be active in the CQ WW SSB Contest (October 28-29th) by Ari, OH1EH as a Single Op in the All Band category. QSL via: Ari Korhonen, OH1EH, Kreetalank 9A1, FIN29200 Harjavalta, Finland.

PACIFIC TOUR

(YJ - Vanuatu and A35 - Tonga)
Babs, DL7AFS and Lothar, DJ7ZG will be active as **YJØAYL** and **YJØAZG** (respectively) from Vanuatu September 30th through October 19th. They will travel to Tonga after October 21st (for an unknown period) to be active from A35. No bands were mentioned, but they plan to use SSB, RTTY, PSK31 and some CW. QSL via DL7AFS. For more information, visit <http://www.qsl.net/dl7afs>

SV9, CRETE

Geza, HA4XG will be active from EU-015 between September 28th and October 12th as **SV9/HA4XG/p** mainly on the WARC bands. QSL via HA QSL bureau or CBA.

T18, COSTA RICA

A group of Hams from the Atlanta, GA area will operate from Quepos, Costa Rica (EJ79) for a week beginning October 7th as **K4QFF/T18**. Satellite operation will include UO-14, AO-27, SO-35 and RS-13. QSL to K4QFF.

V2, ANTIGUA AND BARBUDA

The Frankford Radio Club *Team Antigua* will activate **V26B** for the CQWW SSB Contest on October 28-29th with plans to enter the Multioperator / Multi-transmitter category. Team members will be active on RTTY, PSK31, 160 meters and the WARC Bands starting October 25th and ending November 1st. There is a possibility of

some 6 Meter and Satellite operations as conditions permit. For a station description with photographs and rate charts for "The Team Antigua V26B Superstation", visit their page at: <http://www.frc-contest.org/>

V5, NAMIBIA

Frank, **V51AS** can usually be found on 30 / 20 / 17 / 15 Meter CW between 1930 and 2130z. Also, check 10 Meters after 1530z. It was reported by "The 59(9) DX Report" that he was heard on 80 Meters between 0200-0400z.

VKØ, MACQUARIE ISLAND

Alan's (VKØMM) Web page states the supply vessel "Polar Bird" is due at Macquarie Island by November 7th for the annual re-supply and will depart for Casey Station (Wilkes Land, Antarctica) on November 12th. The ANARE 2000 and ANARE 2001 crews will change over at that time. The ship is due back in Hobart, Australia before Christmas and **VKØMM** will be permanently QRT after November 12th. There is no licensed operator in the Macquarie Island Australian National Antarctic Research Expedition (ANARE) 2001 crew. Alan mentions there may be a minor operation as **VKØLD** from Casey Station and that he usually operates CW on 30 and 20 Meters with occasional SSB. For the latest information, visit <http://www.geocities.com/vk0ld/1.html>

VP5, TURKS & CAICOS ISLANDS

Frankford Radio Club members Frank, WA2VYA; Bruce, WA3RHW; Ken, K2WB and Jack, N2VW will operate from VP5JM on Providenciales (NA-002) from October 24-31st. They will be in the CQ WW DX SSB Contest (October 28-29th) as **VP5T** in the Multi / Multi category. Activity will be CW, WARC bands and PSK31 before and after the contest. QSL VP5T to N2VW. E-mail requests for VP5T bureau cards go to n2vw@arrl.net. QSL portable call signs to home call CBA.

XT2, BURKINA FASO

The German team of DJ7UC, DL4WK, DL7BO, DL7DF and DL7UFR will be active here October 10-15th on all HF bands plus 6 Meters CW/SSB/RTTY with an emphasis on the lower bands. QSL via DL7DF. For more details and updated info, visit <http://www.qsl.net/DL7DF/>.

XU, CAMBODIA

Toni, EA5RM and Pedro Luis, EA7DBO will be active from Sihanouk Ville in the southern part of Cambodia as **XU7ADB**.

They plan to arrive in Phnom Pehn on October 5th and, if customs does not delay them, will be on the air that evening and until October 13th. Operation will be 80-10 Meters SSB & RTTY with some CW. An online log and other info can be found at <http://www.qsl.net/xu7abd>. QSL via EA4URE at: Union de Radioaficionados Espanoles, Apartado 220, E-28080 Madrid, SPAIN

YJ, VANUATU

The Prairie DX Group announces their DXpedition to Vanuatu and Efate Island (OC-035) will be heard from November 18-28th. They will operate at least two stations around the clock (24/7) and maybe more on 160-6 Meters SSB, CW, RTTY, SSTV and PSK31. During the DXpedition they are planning a sub-trip to one or more of the rarer YJ IOTA's. They will participate in the CQWW CW Contest from Vanuatu. (callsigns TBA later) QSL via N9PD direct (The Prairie DX Group, 1206 Somerset Ave., Deerfield, IL 60035 USA) or bureau. Please include SASE with postage, IRC or green stamp. Cards received without return postage will be returned via bureau. For more info, visit: <http://www.n9pd.com/> or e-mail Rick, KF9ZZ at: kf9zz@arrl.net

Alan, VK4BKM and Graeme, VK4FI will be active October 8-16th as **YJØDX** from Vanuatu on all bands, especially 6 Meters. QSL direct only via VK4JSR.

ZK1, NORTH COOK ISLANDS

Listen for Penrhyn Island (IOTA OC-082; Grid Locator BI11) from October 28th through November 4th as **ZK1NDK** and **ZK1NJC** (call signs being requested, to be issued upon arrival). Operation will be CW, SSB, RTTY on 160 thru 6 Meters. Suggested 160 Meter frequency is 1832.5 kHz (QX 1837.5 kHz and UP, QX 1815 kHz for JA). Six Meter activity will be on 50.100 MHz (QX 50.140 MHz and UP) and a 6m beacon (BREAKABLE) will be running on 50.100 MHz (send CQ CQ de ZK1NJC ZK1NJC QX 50.140 K). QSL to JR2KDN (SASE, SAE+sufficient return postage or Bureau) to: Yuichi Yoshida, 4th Floor Kato Building, 529 Rokugaike-cho, Kita-ku, Nagoya, Japan 462-1112. E-mail QSL's are welcome (with return via the bureau) at: jr2kdn@pluto.dti.ne.jp

ZONE 23

Listen for Alex, RAØWA and RAØWAC to operate as **RKØYWA/P** from Tuva

(Zone 23, WAZ). This expedition will be from Sayanskij Mountain with no dates provided, but they will operate all bands including WARC. QSL via RAØWA

IOTA NEWS

AS-049 Takeshi, JI3DST will activate the Takara Islands (Kuchinoshima Tosima-Mura, Kagoshima-Gun, Kagoshima, JAPAN) between November 23-25th as **JI3DST/8**. Activity will be on 17, 15, 12, 10 & 6 Meters. QSL via the JARL Bureau (preferred) or direct (send NO USD, please) to: Takeshi "TAKE" Funaki, 2-18-26 Hannan-cho, Abeno-ku Osaka-city, OSAKA 545-0021 JAPAN

EU-063 A group including Mat, **JW5NM** plan to activate Axeloya in the Svalbard Archipelago. This is an extremely rare IOTA entity because it is so remote and off limits due to environmental concerns. This DX'pedition will be expensive and your financial support is welcome. E-mail to Rag: la5he@yahoo.no

FO, FRENCH POLYNESIA

Listen for Joel, F5JJW to be active as **FOØSUC** or **FO/F5JJW** from Mangareva (OC-063) October 10-18th, Moorea (OC-046) October 18-22nd and Tikehau (OC-066) October 22-26th.

Listen for Eric, F5SIH to be active as **FO/F5SIH** from Tahiti (OC-046) October 9-11th, Moorea (OC-046) October 12-15th, Huahine (OC-067) October 16-18th, Raiatea (OC-067) October 18-20th, Bora Bora (OC-067) October 20-24th and Rangiroa (OC-066) October 24-27th.

Marcel, **ON4QM** should be active from Hereheretue Island (OC-052) thru October and may return to Tahiti and activate Maupihaa (OC-057) until November 25th. QSL via ON4QM.

OC-067 Francisco, CT1EAT will sign **FOØFRA** October 24th thru November 2nd from Mai Mona Motu. He will operate during the CQWW DX SSB Contest and is not sure if he will use his home call /FOØ or a special call. QSL bureau to CT1EAT or direct to: Francisco Costa, P.O.Box 172, 7801-902 Beja, Portugal.

OC-212 A team of VK operators will use the call **VI2BI** from Broughton Island, October 6-15th. Activity will be on most bands for the duration of the operation, SSB, CW, 10 Meter FM and (hopefully) PSK31. The team will arrive on the island

by 0200z October 6th, and they hope to be on the air around 0500z working **N5UW**.

OC-234 (Browse Island Saga Updated!)

Alan, **VK4AAR** sends the following: "I apologize that I didn't follow up with the drama on Browse Island. Things were happening and I was spending a great deal of time on the phone to authorities and the wives of the team (scattered all over the Northern territory and Western Australia). The outcome was that the operators were picked up by an Australian naval vessel and eventually delivered safely to Darwin. The skipper has stayed with the beached catamaran (that is his home) and believed it could be re-floated even if he worked alone. He has a radio that is being monitored. Browse Island produced only 2,500 (approx) QSO's as the crew spent most of their time digging sand away from the vessel sitting above the high water line. The expedition was more costly than expected due to the storm and, if you are able, please donate a little something with your QSL card. It will be appreciated."

J8, ST. VINCENT

Listen for Angel, WA2VUY; Peter, NO2R, and Douglas, W2EN operating from "The Grenadines" (NA-025) October 23rd through 31st as J8/homecall prior to the CQWW SSB Contest and hope to use a special call for the contest. Activity will be on all bands, CW & SSB. QSL via W2EN.

MISCELLANEOUS NEWS

XWIUD DXCC STATUS (And A5 info) Charly, K4VUD has finally found a local Laotian man to translate the **XWIUD** paperwork from Laos and will present it in person to ARRL DXCC personnel at the "W9DXCC Bash" in Chicago. ADDED NOTE: Charly is still planning an A5 operation in early December 2000 and looking for an experienced 160m Op. His E-mail address is: k4vud@hotmail.com

DX MAGAZINE

MOST WANTED SURVEY 2000

Carl, **N4AA** and Editor of QRZ DX, asks DX'ers throughout the world to participate in DX Magazine's Most Wanted Survey 2000 at: <http://www.dxpub.com> The results will be published in the January / February 2001 issue of The DX Magazine and posted on the Web site in late January 2001. This survey is important to potential DX'peditioners as many use it to decide where and when to plan their trips.

NEW VK TAX GOES POSTAL

From: Alan Roocroft
Date: Wed, 30 Aug 2000
Starting 1 July 2000, a Goods and Services Tax (GST) was introduced to Australia as a tax reform. We will pay a little extra for many, but not all, things including postage stamps. Mail to destinations outside of Australia is free from GST but NOT internal mail. Consequently, Australia Post has introduced a special series of stamps for use on international mail and we must use these stamps or risk being taxed extra as the receiver is taxed if there is no reply address shown. They are being lenient with us now, but this will be enforced by 1st February 2001. It is now UNWISE for DX'ers to send envelopes with Australian stamps on their SASE's for return of QSL cards. If my reply address is on the envelope I will be charged for the tax. If my address is not on the envelope, you, the DX'er, will be taxed at your end. Please send ONLY "greens stamps" or IRC's. I prefer "green stamps" as they are more flexible and an IRC often costs more to buy. You may find it cheaper to use US dollars.
- almee@locknet.com.au

RSGB IOTA 2000 PROGRAM

There are numerous counters for premium points in September and October that are far too numerous to list here. The CDXC web pages (www.cdxc.org.uk) contain the full IOTA 2000 rules, island listings and FAQ pages updated regularly. The web pages also have conversion tables between the new IOTA's arising as a result of the publication of the IOTA Directory 2000 and the old IOTA's qualifying for the IOTA 2000 Programme. Remember, there are no charges for the IOTA 2000 awards and QSL cards are not required. The UK DX Foundation and CDXC are managing the IOTA 2000 Programme on behalf of the RSGB IOTA Committee.

Neville Cheadle, **G3NUG**
Chairman - CDXC (Chiltern DX Club)

SPECIAL EVENTS

Listen for the special event station **K3G** to be active from the U.S. Coast Guard Auxiliary Station in Philadelphia, Pa. from 1400z to 0000z October 21st. The station commemorates the Sixty First Anniversary of the U.S. Coast Guard Auxiliary. Suggested frequencies are: 7232, 14332, 21332, and 28332 kHz. A special QSL is available via NM3S, Dan Amoroso, 196 Dam View Drive, Media, Pa. 19063. For more info e-mail to NM3S@prodigy.net

The Greater Norwalk Amateur Radio Club (GNARC) will be operating a special event station to commemorate the visit of the traveling Vietnam Wall Memorial to Norwalk, Connecticut. The Club will be using the special event call **K1V** beginning October 12th, 1600z until October 16th at 0400z. Operation will be in the lower 25 kHz of the General phone portions of 80, 40, 20, 15 and 10 Meters. For specific frequencies, check for posts to DX clusters and at <http://www.gnarc.org> during the event. QSL to: K1V c/o GNARC, 324 Main Ave Box 115, Norwalk, CT 06851, USA. A 8.5x11 color certificate as well as a QSL card will be available. For the certificate, please include a 9x12 SASE with sufficient postage. For the QSL card ONLY a business sized SASE. A donation of 1 USD to defray printing is appreciated.

The Hampden County (MA) Radio Assoc. will operate special event **WB1HOF** (Hall of Fame) from the Basketball Hall of Fame in Springfield, Massachusetts October 14-15th to celebrate the latest crop of honorees. Operation will be 10 AM until 4 PM (EDT) October 14th and 10 AM until 2 PM (EDT) October 15th. Two stations will operate in the 40 and 15 Meter phone bands. A special QSL is available for an SASE to The Hampden County Radio Association WB1HOF, PO Box 562, Agawam, MA. 01001.

VU TEMPORARY FREQUENCIES

Jose Jacob, **VU2JOS** reports that from August 1st through December 31st, Indian Amateurs (VU) have permission to use 10.100 to 10.150 MHz and the spot frequencies of 50.350 and 50.550 MHz.

ANOTHER "SLIM" REPORT?

Jean Michel, **F6AJA** reports a station signing 5R80 has been very active lately and claims 5R8FL is their QSL Manager. 5R8FL knows nothing about this station.

Excerpts and distribution of The OPDX Bulletin are granted as long as KB8NW / OPDX / BARF80 receive credit.

FROM EHAM.NET

ALPHA/POWER TO GO "QRT"
Press release from: ALPHA/POWER, INC, Longmont, CO 7 September 2000
A message to all ALPHA customers, fans and friends... As many of you know, we sold Ehrhorn Technological Operations, Inc. several years ago. I subsequently repurchased the ALPHA amateur radio

amplifier line that long had been ETO's raison d'être, and incorporated it as Alpha/Power, Inc. Although I had devoted 25 years to ETO/ALPHA and wanted to pursue other interests long postponed, I also strongly wanted the ALPHA tradition to be carried on.

Fortunately, almost three years ago I was able to persuade John Brosnahan, **WØUN** to become president and technical director of Alpha/Power. Under John's leadership, Alpha/Power's worldwide reputation has continued to be enhanced even more. But a combination of health issues and family obligations now make it impossible for John to continue devoting all or most of his time to ALPHA operations.

We've had a great run of more than three decades "on top" ... I'm not willing to risk that ALPHA legacy. Nor am I aware of any person or entity with the resources to acquire ALPHA and protect the standards to which we've been dedicated for thirty-one years. In the event such interest does exist, however, we remain open to serious discussions. In the meantime... When the current run of ALPHA 87A and ALPHA 99 amplifiers is completed, we will terminate engineering and manufacturing operations.

Warranty and post-warranty service will still be available from ALPHA/POWER in Longmont, Colorado - at its current street and e-mail addresses, phone and FAX numbers. Every warranty will be honored in full. And, of course, this final batch of new amplifiers will carry ALPHA's standard 4-year, non-prorated limited warranty. ALPHA amplifier specs and photos are on our web site www.alpha-power-inc.com. For delivery and order information, call Scott or Dianne at (970) 535-4173.

73, and may The Power be with you!
DICK EHRHORN, WØID/W4ETO
Chairman & Founder
JOHN BROSNAHAN, WØUN
President & Technical Director

TWO HAMS SK IN WEST TIMOR

Two of the three victims of mob violence September 6th in West Timor, Indonesia, were Amateur Radio operators. Carlos Luis Caceres, **KD4SYB** of Jacksonville, Florida was 33. He was an ARRL member and native of Puerto Rico.

Pero Simundza, **9A4SP** of Croatia, Samson Aregahegn of Ethiopia, and

Caceres, all United Nations relief workers, died September 6th when thousands of armed pro-Indonesian militiamen and their supporters stormed the UN office in Atambua, West Timor killing the three and injuring several others. Witnesses say Indonesian security forces stood by and did nothing to stop the violence. The killings were believed to be related to the murder of a militia leader the day before.

All three victims worked for the UN High Commission for Refugees, which provides humanitarian aid to refugees from East Timor that voted for independence from Indonesia last year and is administered by the UN. An estimated 90,000 refugees remain in West Timor border camps after fleeing violence in East Timor a year ago. In an eerie e-mail message reportedly sent to UNHCR Headquarters the day he was killed, Caceres spoke of the UN workers being barricaded at their stations waiting for "a wave of violence" to hit. "The militias are on the way," he wrote, "and I am sure they will do their best to demolish this office." Caceres told his colleague the remaining UN staff members were "like bait, unarmed, waiting for the wave to hit."

Caceres' sister, Elba M. Caceres, was among those wanting to know why no one was there to protect the workers who stayed behind. "I could not comprehend how the United Nations was not there to protect them," she said in a message to several US Department of State officials in which she described her brother as "an extraordinary man" and demanded an explanation for what led to the killings. Caceres' father, Gregorio Caceres, **KA4UXJ** said his son was fluent in several languages and held degrees in journalism and law. "His ability with different languages and his vast legal knowledge helped him perform at the international level," the elder Caceres said. Memorial Web sites for the two amateurs killed are at <http://www.qsl.net/kd4syb> and <http://www.qsl.net/9a4sp>.

ARRL CONTEST CALENDAR

*Reprinted with permission from
QST Contest Calendar 3/4 K5TR, Editor*

3/4

CONTEST CORRECTIONS:

- In the 1999 ARRL 10-Meter Contest, a file corruption error was discovered in the **KØSR** log for the Single Op, CW Only, Low Power category. On re-scoring the

entry, the totals become 809,360 points on 1509 QSO's with 134 multipliers. This change moves **KØSR** from second place to overall First Place in this category for W/VE stations.

- Also in the 1999 ARRL 10-Meter Contest, **KØPC** should be listed as Single Op, Mixed Mode instead of CW only. This moves him to Seventh Place in the category and moves **WO2N** to Tenth Place in the Single Op, CW Only, QRP category.

- In the 2000 January VHF Sweepstakes, the **KB5MY** multi-op station should have been listed in the SDG section instead of LAX. The call sign of **WN9GUC** in the IL section was misreported as **WN9GWC**.

- In the 1999 ARRL 160-Meter Contest, **KØUK** should be listed as Low Power instead of High Power in the CO section. **WIOP** should be listed as a multi-op entry with an operator list of **W1IUX**, **W1GS**, **K1DT**, **K1JNJ** and **N1JDA**.

WEEKEND OF OCTOBER 14 - 15

PENNSYLVANIA QSO PARTY

Sponsored by the Nittany ARC, 1600Z Oct 14 until 0500Z Oct 15 and 1300Z until 2200Z Oct 15. Send serial number and ARRL/RAC section. Single op QRP, medium (150W), QRO, or CW only (150W); multi-single, multi-multi, portable (single op or multi-single), Novice / Tech / Tech Plus, mobile, rover. Work stations once per band per mode. Work mobiles as they change counties. Stations on county lines are good for one QSO but multiple counties. Score 2 pts/CW QSO on 160 and 80; 1.5 pts/CW QSO on other bands; and 1 pt/QSO on phone. Multipliers are PA counties (67 max); ARRL/RAC sections and 1 for DX (150 max). CW 1.810 and 40 kHz up; phone 1.850 3.980 7.280 14.280 21.380 28.310; Novice/Tech 10 kHz up; mobiles 5 kHz below the above listed frequencies. Final score is QSO points × multipliers × 2 if QRP; × 3 if Novice/Tech. Add 200 points to final score for each QSO with **W3HA**. PA mobiles add 500 points for each county operated from where 10 or more QSOs were made. Awards. Send logs by Nov 15 to K3YV, Nittany ARC, PO Box 614, State College, PA 16804.

E-Mail to na2x@arrl.net; web page at <http://members.aol.com/doughdh/paqsoparty/paqsos.htm>.

FISTS CW FALL SPRINT

Sponsored by FISTS International CW Club, 1700Z until 2100Z Oct 14. CW only, QRP and QRO. 80 40 20 15 10

Meters. Work stations once per band. Exchange name, state / province / DXCC country, and FISTS number if you are a member (nonmembers send power output). Score 5 pts/QSO w/FISTS member and 2 pts/QSO w/nonmember. 10 points with FISTS Novice or Tech plus. Final score is QSO points × states / provinces / DXCC countries. 3.558 7.058 14.058 21.058 28.058. See <http://www.FISTS.org>. Send paper logs only within 30 days to Alan M. Tanner W8FAX, 3787 Trebein Rd, Fairborn, OH 45324.

VK / ZL / OCEANIA CONTEST, CW

Sponsored by the Wireless Institute of Australia, 1000Z Oct 14 until 1000Z Oct 15. Single operator all band/single band, multi-operator. Send RS(T) and serial no. Work VK/ZL/Oceania stations only. Score 10 pts/QSO on 80; 5 pts/QSO on 40; 1 pt/QSO on 20; 2 pts/QSO on 15; and 3 pts/QSO on 10. Multipliers are prefixes worked per band; final score is QSO points × multipliers. Awards. <http://www.wia.org.au/federal/contests.html>. Send logs postmarked by Dec 5 to VK/ZL/OC Contest Manager, 2 Moss Court, Kingsley, West Australia, 6206 Australia; vk6ne@upnaway.com.au.

WEEKEND OF OCTOBER 21 - 22

ARRL INT'L EME COMPETITION

Summary follows, See September *QST*, p. 103 for details or <http://www.arrl.org>. Object: Two-way communications via the Earth-Moon-Earth path on any authorized amateur frequency above 50 MHz. Dates: Two full weekend 48-hour periods (0000 UTC on Saturday through 2359 UTC Sunday.) The 2000 dates will be the weekends of October 21-22 and November 18-19. Categories: Single Operator, Multi-Band, Single-Band and Multi-Operator. Stations using equipment that is not amateur (such as a dish antenna for lab equipment owned by an institution or government agency) will have their scores listed separately. For a valid contact to occur each station must send and receive both call signs and a signal report in any mutually understood format, plus a complete acknowledgment of the calls and report. Partial or incomplete QSO's should be indicated on your log, but not counted for contest credit. Stations may be worked once per band for credit. There is no specified minimum terrestrial distance for contacts, but all communications for credit must be copied over the moonbounce path, regardless of how strong (or weak) a

nearby station's terrestrial signal may be. You may request the latest entry forms and rules by sending an e-mail to the ARRL Internet Infoserfer at info@arrl.org. The subject line is ignored. Enter the following text in the body of your message:

HELP
SEND EME.FRM
SEND EME.RLS
QUIT

ARKANSAS QSO PARTY

Sponsored by the Ozark Wireless Society. 0000-2359Z Oct 21. Stations may operate 18 hours of the 24 hour period. On / Off times must be clearly noted on log. CW, Phone, and PSK31. 80, 40, 20, 15, 10 Meters. Single Op, Multi-Op, Mobile. Only one transmitted signal at a time. Frequencies: CW--3.550, 7.050, 14.050, 21.050, 28.050. Phone--3.850, 7.225, 14.250, 21.300, 28.450. PSK 31--3580.15, 7070.15, 14070.15, 21080.15, 28120.15. Work stations once per band and mode. AR-to-AR contacts permitted. Work mobiles again as they change county / province / DXCC country. Exchange signal report and state / province / DXCC country. Arkansas stations send county. Three power classes for all categories: QRP (<5W), low power (<100W), and high power (>100W). Count 1 point per phone QSO, 2 points per CW and PSK 31 QSO, 5 points per each QSO with bonus club stations **K5OWS** (Ozark Wireless Society) and **W5YM** (University of Arkansas). Count multipliers only once. Multipliers for Arkansas stations: 50 states, Canadian provinces, and 1 DXCC multiplier. For non-Arkansas stations: Arkansas counties (75). Final score: Multiply QSO points × total multipliers × the power multiplier (<5W × 3, <100W × 2, >100W × 1). Awards. Send logs by Nov 30 to Ozark Wireless Society, c/o Don Banta, W5RL, 2005-A Sycamore Pl, Springdale, AR 72762.

ILLINOIS QSO PARTY

Sponsored by the Radio Amateur Megacycle Society, 1800Z Oct 22 until 0200Z Oct 23. Phone and CW. No repeater QSO's. 160 80 40 20 15 10 6 2 Meters. CW 50 kHz up from the bottom; **Phone** 3.890 7.290 14.290 21.390 28.390; **Novice** 30 kHz up from bottom for CW. IL stations exchange RS(T) and county; others exchange RS(T) and state / province / DXCC country. Count 1 pt/QSO on phone, 2 pts/QSO on CW. Work stations once per band and mode, and once per

band/mode/county for IL mobile stations. If you operate mobile you must use the mobile's call exclusively for the duration of the contest. Contacts with/by mobile stations on border of two counties count as two counties and two QSO's. IL stations multiply QSO total by sum of states, IL counties, VE provinces plus a maximum of five DXCC countries. Count additional DX for points, but not multipliers. Others multiply QSO points by the number of IL counties worked. All stations may take one bonus multiplier for each eight QSO's with the same IL county. Awards. Send entries by Nov 15 to RAMS, c/o John Matz, KB9II, 7079 West Ave, Hanover Park, IL 60103. <http://www.megsinet.com/~jematz/rams.html>

RSGB 21/28 MHZ CONTEST, CW

Sponsored by the RSGB, 0700Z until 1900Z Oct 22). Exchange RS(T) and serial number (UK stations also send three-letter county code). Work UK stations only. Count 3 pts/QSO. Final score is QSO points × county codes worked per band. Send logs to Steve Knowles, G3UFY 77 Bensham Manor Rd, Thornton Heath, Surrey CR7 7AF, England.

QRP ARCI FALL QSO PARTY, CW

Sponsored by QRP ARCI, 1200Z Oct 21 to 2400Z Oct 22. Single band, all band, high (20 15 10 6) or low (160 80 40) band. Operate no more than 24 hours. Work stations once per band. Exchange RST, state / province / DXCC country, and ARCI number (if nonmember, send power output). 1.830 3.560 3.710 7.040 7.110 14.060 21.060 21.110 28.060 28.110 50.128. Score 5 pts/QSO w/members, 2 pts/QSO w/nonmembers on same continent and 4 pts/QSO w/nonmembers on different continents. Final score is QSO points × states/provinces/DXCC countries × power multiplier (> 5W, ×1; <5 W, ×7; <1 W, ×10; <250 mW, ×15). Send entry to Joe Gervais, AB7TT, PO Box 322, Peoria, AZ 85380-0322; vole@primenet.com; <http://www.qrparci.org/>.

ASIA-PACIFIC SPRINT, CW

Sponsored by Asia-Pacific Sprint Contest Committee (APCC) 0000Z- 0200Z Oct. 21. The object is for stations in the Asia-Pacific region to work as many stations world-wide as possible within two hours, on 15 and 20 Meter CW. Suggested frequencies are 21030-21050 and 14030-14050 kHz. Output power is limited to 150 W. Exchange RST + serial number, and

count one point per valid QSO. The called station (usually the CQ'er) must QSY at least 1 kHz after a CW QSO, or 6 kHz after an SSB QSO. The multiplier is the total number of prefixes, per WPX rules (ie, each prefix once only, not once per band). Final score equals valid QSOs × multiplier. Send your log within 7 days after the end of the contest to: James Brooks, 26 Jalan Asas, Singapore 678787, or e-mail jamesb@pacific.net.sg within 72 hours. For more info: <http://www01.u-page.so-net.ne.jp/ja2/je1jkl/apsprint.html>.

WORK'D ALL GERMANY CONTEST

Sponsored by The Deutscher Amateur Radio Club, 1500Z Oct 21 to 1459Z Oct 22. 80 40 20 15 10 Meters; SSB and CW. Single Op, All Band, Single Band, QRP, Multi Op Single Transmitter and SWL. Packet spotting allowed for all classes. Work German stations; Non-German stations send RST and QSO number; German stations send RST and DOK (local area code). Work stations once per band and mode. Three points per QSO. Multipliers: non-German stations count number of German districts on each band regardless of mode (max 26 per band). Germans count DXCC/WAE countries per band. Final score is QSO points × total multipliers. Awards. Send logs by Nov 20, Klaus Voigt, DL1DTL, PO Box 12 09 37, D-01010 Dresden, Germany. E-Mail to: wag@dar.de or visit their web page at: <http://www.dar.de/referate/dx>.

JARTS WW RTTY CONTEST

Sponsored by JARTS, 0000Z Oct 21 to 2400Z Oct 22. RTTY only, 80, 40, 20, 15, 10 Meters. Single Op, Multi Op, SWL. Work stations once per band, exchange RST and age, multi op must send 99 as the age. Count 2 pts for QSO's within your continent, 3 pts per QSO outside your continent. Multipliers are DXCC countries excluding JA, W, VE and VK. JA, W, VE and VK call areas are multipliers. Count multipliers once per band. Do not count your own call area or country as a multiplier. Score is QSO points × total multipliers. Awards. Use separate logs sheets for each band. Send logs by Dec 31 to JARTS Contest Manager, Hiroshi Aihara, JH1BIH, 1-29 honcho, 4 Shiki Saitama 353, Japan.

WEEKEND OF OCTOBER 28 - 29

CQ WW DX CONTEST, PHONE

Sponsored by *CQ Magazine*, 0000Z Oct 28 to 2400Z Oct 29 (CW is 0000Z Nov 25

to 2400Z Nov 26). Exchange RS(T) and CQ zone. Classes: Single operator all band/single band/assisted, high power/low power (<100 W)/QRP (<5 W); multi single, multi multi. Multi-singles have a 10 minute rule. All classes may only have one transmitted signal per band. Work stations once per band. Team and club competition. North American stations score 2 pts/QSO w/ stations in different countries on the same continent and 3 pts/QSO w/stations on different continents; stations in the same country may be worked for zone credit, but no points. Multipliers are CQ Zones and countries (DXCC +WAE). Final score is QSO points × multipliers. Awards. Send logs by Dec 1 (Jan 15 for CW) to: *CQ Magazine*, 25 Newbridge Rd, Hicksville, NY 11801. E-Mail to ssb@cqww.com or cw@cqww.com. For more information see <http://cqww.com/cqww/>.

TEN-TEN INTERNATIONAL NET FALL CW QSO PARTY

Sponsored by Ten-Ten International, from 0000Z Oct 28 to 2400Z Oct 29. Single op only, CW on 10 Meters only. Categories: Individual, QRP, Club. Contacts must be in CW sub-band. Exchange call, name, state / country and 10-10 number (if member). Score 1 pt/QSO w/nonmembers and 2 pts/QSO w/members. Final score is QSO pts × prefixes. Awards. Send logs by Nov 15 to: Gateway Chapter, Don Ward, WØRTV, 4514 Ferrer Dr, St Louis, MO 63129-3741. <http://listserv.lehigh.edu/lists/tenten-1/rules.html>.

OCTOBER 28 – 30

YLRL YL ANNIVERSARY, PHONE

Sponsored by YLRL, 1400Z, Oct 21 to 0200Z Oct 23. All licensed women operators throughout the world are invited to participate. Exchange QSO number, RS(T), and ARRL section/VE province / country. All YL's within one of the U.S. ARRL sections or within a Canadian province score one point for each QSO with another station located within a section or province. Score two points for each contact with a station not located within an ARRL section or province. Multiply the number of contact points by the total number of different sections, provinces and countries worked. Logs must also state the power output used. If you have 200 or more QSO's, submit a separate log for each band and submit a "dupe" sheet. Logs must show claimed

score. Logs must be sent within 30 days after the end of the contest to: Cleo Bracket, KØJFO, 810 Towne Square Dr, Fremont NE 68025. For more info visit <http://home.earthlink.net/~tenmtryl/ylrl/>

W1AW QUALIFYING RUNS

Are 10 PM EDT Wednesday, October 4, and 4 PM EDT Thursday, October 19. The K6YR West Coast Qualifying Run will be at 9 PM PDT on Wednesday, October 11 (10-40 WPM). Check the W1AW schedule in *QST* for details.

OCTOBER/NOVEMBER SUMMARY

(Courtesy Of Bruce Horn, WA7BNM)

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OCTOBER, 2000

RSGB 21/28 MHz Contest, SSB	0700Z	-	1900Z, Oct 1
TARA PSK31 Rumble	0000Z	-	2400Z, Oct 7
Oceania DX Contest, Phone	1000Z, Oct 7	-	1000Z, Oct 8
EU Autumn Sprint, SSB	1500Z	-	1859Z, Oct 7
California QSO Party	1600Z, Oct 7	-	2200Z, Oct 8
Iberoamericano Contest	2000Z, Oct 7	-	2000Z, Oct 8
10-10 Day Sprint	0001Z	-	2400Z, Oct 10
Oceania DX Contest, CW	1000Z, Oct 14	-	1000Z, Oct 15
YLRL Anniversary Party, CW	1400Z, Oct 14	-	0200Z, Oct 16
EU Autumn Sprint, CW	1500Z	-	1859Z, Oct 14
Pennsylvania QSO Party	1600Z, Oct 14	-	0500Z, Oct 15 and
	1300Z	-	2200Z, Oct 15
FISTS Fall Sprint	1700Z	-	2100Z, Oct 14
Asia-Pacific Sprint, CW	0000Z	-	0200Z, Oct 15
North American Sprint, RTTY	0000Z	-	0400Z, Oct 15
RSGB 21/28 MHz Contest, CW	0700Z	-	1900Z, Oct 15
JARTS WW RTTY Contest	0000Z, Oct 21	-	2400Z, Oct 22
Rhode Island QSO Party	0000Z, Oct 21	-	2400Z, Oct 22
QRP ARCI Fall QSO Party	1200Z, Oct 21	-	2400Z, Oct 22
Worked All Germany Contest	1500Z, Oct 21	-	1500Z, Oct 22

Illinois QSO Party	1800Z, Oct 22	-	0200Z, Oct 23
2000 6m Activity Contest	1800Z	-	2200Z, Oct 24
CQ Worldwide DX Contest, SSB	0000Z, Oct 28	-	2400Z, Oct 29
10-10 Int. Fall Contest, CW	0001Z, Oct 28	-	2400Z, Oct 29
YLRL Anniversary Party, SSB	1400Z, Oct 28	-	0200Z, Oct 30

NOVEMBER, 2000

Ukrainian DX Contest	1200Z, Nov 4	-	1200Z, Nov 5
ARRL Sweepstakes Contest, CW	2100Z, Nov 4	-	0300Z, Nov 6
High Speed Club CW Contest	0900Z	-	1100Z, Nov 5 and
	1500Z	-	1700Z, Nov 5
Japan Int. DX Contest, Phone	2300Z, Nov 10	-	2300Z, Nov 12
WAE DX Contest, RTTY	0000Z, Nov 11	-	2359Z, Nov 12
OK/OM DX Contest, CW	1200Z, Nov 11	-	1200Z, Nov 12
LZ DX Contest, CW	1200Z, Nov 18	-	1200Z, Nov 19
IARU Region 1 160m Contest, CW	1400Z, Nov 18	-	0800Z, Nov 19
LI/NJ-QRP Doghouse Operation Sprint	1700Z	-	2100Z, Nov 18
ARRL Sweepstakes Contest, SSB	2100Z, Nov 18	-	0300Z, Nov 20
RSGB 1.8 MHz Contest, CW	2100Z, Nov 18	-	0100Z, Nov 19
CQ Worldwide DX Contest, CW	0000Z, Nov 25	-	2400Z, Nov 26
2000 6m Activity Contest	1800Z	-	2200Z, Nov 28

DOCTOR DX:

Dear Dr. DX:

Years ago, I used to enjoy working on my hollow-state rigs and was known to home-brew a few items for the shack. Since then, my eyes are starting to go, my hands shake, I have to run to the bathroom every 15 minutes and my soldering iron isn't as hot as it used to be (if you know what I mean). Now they're building everything with SMT parts. What's an OM to do?

Signed: A Capital 'O' OM

Dear Coffin-Bait:

Just when you thought it couldn't get any worse, this article appeared in the San

Francisco Chronicle on Monday, Sept. 18, by Carl T. Hall, Chronicle Science Writer:

A single soccer-ball-shaped molecule of carbon sandwiched between gold electrodes has been fashioned into the smallest transistor ever built, scientists recently reported. The tiny device, made by a team of physicists and chemists at the Lawrence Berkeley National Laboratory, is the latest wonder to emerge from the field known as nanotechnology, in which scientists are busy trying to fashion the working parts of a new generation of electronic devices.

The fruits of these labors are too small to be seen, measured on the scale of nanometers, or billionths of a meter. And for now, they amount to little more than laboratory curiosities. But experts say it may someday be possible to incorporate single-molecule switches and tiny wires into unimaginably small supercomputers and "smart" devices.

"It's going to happen, and it's going to happen in our lifetimes," said Mike Naughton, a physicist at Boston College who has been trying to coax arrays of elongated carbon wires, called nanotubes, to self-assemble in useful ways. A report on the carbon-60 transistor project appeared this month in the British journal Nature. The research team was led by physicist Paul L. McEuen and chemist A. Paul Alivisatos, both of the Lawrence Berkeley lab and the University of

California at Berkeley, and Hongkun Park, formerly of the Berkeley lab and now at Harvard University.

In a separate commentary appearing in the same science journal, physicist Leo Kouwenhoven of Delft University of Technology in the Netherlands said the researchers had succeeded in harnessing "the natural motion of molecules that are loosely bound to a gold surface." Exotic as that may sound, some practical applications already seem apparent to nanotechnology pioneers.

"The mechanical control of nanoscale objects will mean smaller, faster and more efficient versions of existing micro-electromechanic structures, an example of which is the accelerometer that triggers air bags in vehicles," Kouwenhoven noted.

"Making something out of a single molecule like this is quite an achievement," said Eric Wong, a physical chemist researching molecular electronics at the University of California at Los Angeles. The new gizmo is the smallest example yet of the circuit-controlling workhorses known as "field-effect transistors." It works like a subway turnstile for commuting electrons – electrons so well-controlled that just one particle at a time can be made to file through the gate, jumping from one gold surface to the other and then back again. The Berkeley researchers first had to find a way to get the gold electrodes close enough together to capture single carbon

molecules, rather than clumps of molecules that would gum up the subtle electrical and quantum forces that drive the single-molecule device.

"It's a beautiful piece of work in that sense," Naughton said. "They had to find a way to make the gaps small enough, and then they found a way to make the carbon molecules situate themselves in that gap. So once they did that, they had the makings of a transistor." The transistor works by applying a minute charge to the carbon-60, inducing a single electron on one electrode to hop off, bore through the "soccer ball" -- an effect known as "quantum tunneling" -- and then hop on the other electrode. The single-electron current caused the carbon-60 to quiver as though suspended by tiny springs. In effect, the hopping electrons turned each little soccer ball into a "nanomechanical oscillator."

It could point to a new strategy for memory storage in which a system of nano-scale switches and valves would hold the information. Many biological systems work along similar lines, such as the ion channels that control the flow of charged particles into and out of the cells of our bodies. "There's so much excitement here that you can see a lot of opportunity to make little systems where you apply a voltage and have something move," McEuen said.

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