President's Corner

By Steven Bible, N7HPR, President, TAPR

TAPR's two annual big events of the year are coming up quickly: the Dayton Hamvention and the ARRL-TAPR Digital Communications Conference (DCC).

The Hamvention is always in Dayton, Ohio (actually Trotwood, Ohio, a suburb of Dayton), but the DCC bounces around the USA and Canada and this year will take place in Seattle.

The DCC venue this year, the Cedarbrook Lodge, looks to be one of the nicest host hotels in DCC history with a fantastic list of amenities. It would be a great place to vacation sans the DCC, but with the ARRL-TAPR event in the building, it will be a digital ham's dream vacation. So make your plans now to travel to the Great Northwest for the third weekend in September.

You can read about the plans for the DCC in this issue of PSR as well as on the TAPR website. http://www.tapr.org/dcc.html

Meanwhile, back to Trotwood where in a matter of days (the third weekend of May), the TAPR crew will be assembling our booth in the HARA Arena for our annual appearance at the biggest ham radio convention this side of the Arctic Circle.

Besides displaying the latest and greatest in our booth (like a handheld SDR radio and iPad HPSDR software), TAPR's Forum opens the Hamvention on Friday morning with a two-hour session featuring speakers of digital interest (including myself). And then we end the day with our compadres from AMSAT dining at our annual Hamvention banquet and listening to the words of our after-dinner speaker, Bruce Perens, K6BP.

If that is not enough TAPR for you, the Board of Directors meets in person around 7 PM Thursday at the DoubleTree Suites by Hilton Hotel in Miamisburg. All TAPR members are invited to sit in and hear what we talk about!

More words concerning our Hamvention appearance are elsewhere in this issue of PSR, as well as on the website. http://www.tapr.org/dayton.html

I hope to see you at Hamvention or the DCC, or better still, both!

73,

Steve Bible, N7HPR, President TAPR

###

TAPR is a community that provides leadership and resources to radio amateurs for the purpose of advancing the radio art.

TAPR at Hamvention

By Stana Horzepa, WA1LOU

TAPR will be present at the 2013 installment of Hamvention, but with a slight change. The Hamvention has reorganized the layout of the booths in the HARA Arena and as a result, TAPR will occupy a new suite of booths in the Ballarena section of HARA.

Booths 451 - 454

TAPR will be in the same row of booths as in the past few years with just a slight shift north. So look for our new banner at booths 451 through 454 where we will be showing what we have been up to lately including KD2BMH's "Whitebox," the handheld SDR radio.

The booth and other inside exhibits will be accessible at 9AM on Friday and at 8AM on Saturday and Sunday; closing time is 6 PM Friday, 5 PM Saturday, and 1 PM Sunday.

Board Meeting

The Hamvention in-person TAPR Board of Directors meeting will be Thursday evening at DoubleTree Suites by Hilton Hotel Dayton in Miamisburg (same location as last year). All TAPR members are invited to attend the meeting and speak their piece. The meeting starts at approximately 7 PM.

TAPR Forum

The TAPR Forum will be in Room 1 of the HARA Arena starting at 9:15 AM on Friday. May 17 and running until 11:15 AM. Here is the schedule of this years' TAPR Forum speakers:

9:15 AM - "TAPR Update" by the TAPR Forum Moderator Steven Bible, N7HPR, TAPR President. What has TAPR been up to this past year and what we see on the horizon .

9:30 AM - "Multiple-Personality SDR: FPGAs, Reconfigurability and Unconventional SDR Applications" by Scotty Cowling, WA2DFI. A Software Defined Radio can be much more than just a conventional transceiver. From CW Skimmer to WSPR beacons,Chirp Radar, Vector Network Analyzers and DSP enhancement of analog radios, SDRs are ubiquitous. From operating to propagation research, building

and experimenting, explore SDR as a versatile addition to every modern amateur's arsenal of tools.

9:50 AM - "An Update on Whitebox, the Handheld SDR Project" by Chris Testa, KD2BMH. Explore the latest in the Whitebox project, an Open Hardware/Software, low power SDR Chris has been working on. See how System on a Chip, or SoC has dawned this revolutionary form factor to create a Maker-style smart software radio device project.

10:10 AM - "Testing Digital Radios" by Dennis Rosenauer, AC7FT. It is often assumed that poor data link performance is due to propagation. This presentation introduces the theory and measurement of the performance, of digital radios and RF modems.

10:30 AM - "Codec2, FreeDV, and HT of The Future: Wide Open and Digital" by Bruce Perens, K6BP. A discussion of the current state of Codec2 and FreeDV, digital voice tools that have made great progress on HF, and how we'll bring Open digital voice to VHF/UHF and handhelds.

Breaking Bread with AMSAT

Friday night, TAPR again dines with AMSAT <http://www.amsat.org> at the annual TAPR-AMSAT or AMSAT-TAPR Banquet at Kohler Presidential Banquet Center, 4572 Presidential Way, Kettering, OH 45429.

Attendees will digest a delicious buffet dinner (menu below) while listening to Bruce

Perens, K6BP, speak about "The Evangelist's Dilemma: Driving New Ideas With Nothing But Words," a humorous history of technology evangelism and the things that inevitably go wrong, drawing from his history with Open Source, No-Code, Software Freedom, Codec2, and Open Hardware, and introducing a few of the new battlegrounds.

Doors open to a cash bar at 6:30 PM and dinner begins at 7:15 PM. Reservations are required and must be made by Tuesday, May 14; you can purchase tickets for $30 online at the AMSAT store <http://store.amsat.org/catalog/product_info.php?products_id=88&osCsid=v2npm2f36svmote3k98s6hshp0>. Reserved tickets can be picked up at the AMSAT booth on Friday.

Here is the Dinner Menu:

Roast Prime Rib of Beef

Marinated Roasted Garlic Chicken Breast in lemon butter sauce

Italian Style Lasagna

Petite Double Stuffed Potatoes

Fresh Steamed Broccoli

Onion and Chive Red Potato Vinaigrette

Fresh Garden Toss Salad w/ dressings

Fresh Fruit Bowl

Rolls and Butter

Assorted Pies

Coffee, Decaf, Iced Tea, Hot Tea, and Water

The Crew

Most of the guys and gals behind the scenes at TAPR will be in attendance at the Hamvention, so you will have an opportunity to say "Hello" and have an eyeball QSO with the TAPR crew.

###

Paying TAPR Update
By John Koster, W9DDD

The TAPR website order checkout process has changed.

In order to maintain PCI (http://en.wikipedia.org/wiki/Payment_Card_Industry_Data_Security_Standard) compliance with the minimum of continuing effort on the part of the staff, we have migrated to a new payment gateway.

The big difference is that no one on staff will ever see the credit card information. It will be sent directly to the payment gateway that is responsible for all the PCI compliance.

The first step in the process will be for the gateway to 'authorize' the payment. In credit card industry parlance, this means the gateway will check that the card information is correct and funds are available. The funds will be reserved for future collection.

Once the office has verified the order, checked the shipping costs and determined that stock is ready to ship, the staff will initialize what is called "capture." That step actually starts the movement of funds to the TAPR bank account where it arrives in two to three business days.

A TAPR customer should not see much difference from the previous process other than a different look to the webpages in the checkout process.

In the past, the office received the order, verified it, checked the shipping costs and readied it for shipping. Then the staff manually charged the credit card as an 'authorize and capture' transaction. In both scenarios the shipment takes place either the same day or the day following collection of funds.

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DCC Update

By Stana Horzepa, WA1LOU

Plans for the TAPR-ARRL Digital Communications Conference (DCC) <http://www.tapr.org/dcc.html> are coming together.

September 20-22 are the 2013 DCC dates and Seattle is the DCC site, specifically the drop-dead gorgeous Cedarbrook Lodge <http://www.cedarbrooklodge.com/>, which is located five minutes from the Seattle-Tacoma International Airport.

The conference runs all day on Friday and Saturday with technical presentations, a Friday evening social, a Saturday evening banquet, and closes with a four-hour in-depth technical seminar on Sunday.

There are still a few loose ends and TBDs regarding the DCC, so visit the DCC webpage <http://www.tapr.org/dcc.html> to get the latest information.

Call for Papers

Technical papers are solicited for presentation at the DCC and publication in the Conference Proceedings. Annual conference proceedings are published by the ARRL. Presentation at the conference is not required for publication.

Submission of papers are due by August 1 and should be submitted to

MatyWeinberg, ARRL

225 Main Street

Newington, CT 06111

e-mail maty@arrl.org

More information and submission guidelines are here: https://www.tapr.org/dcc.html#dcccallforpapers

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Bits

By Stana Horzepa, WA1LOU

The QRP Amateur Radio Club International (QRPARCI) annual convention, Four Days in May (FDIM) runs in parallel with the Hamvention. This year, TAPR Vice President and Director Jeremy McDermond, NH6Z, will present a talk called "The Softer Side of OpenHPSDR" during the FDIM seminars on Thursday, May 16. Holiday Inn in Fairborn, Ohio is the host hotel for FDIM. For more information about the seminars and FDIM, visit http://qrparci.org/fdim.

TAPR will have a booth at Sea-Pac, "The Northwest's Largest Ham Convention" at Seaside Convention Center, Seaside, Oregon, May 31 - June 2. <http://www.seapac.org/> During the Sea-Pac seminars, TAPR's Jeremy McDermond, NH6Z, will present "Intro to Software Defined Radios" at 4 PM.

Dave Whitten, KD0EAG, and David Rowe, VK5DGR, received the Dayton Hamvention 2013 Technical Excellence Award for their FreeDV program that encodes high quality HF digital voice in 1.125 kHz, which is less than half the bandwidth of an SSB signal.

TAPR Board of Directors granted $500 to the Hamlin Middle School in Springfield, Oregon, to support their One-Hour Morse Code Oscillator scholarship program. <http://www.arrl.org/files/file/ETP/One%20Hour%20Code%20Oscillator.pdf>

Miroslav "Misko" Skoric, formerly YT7MPB, will conduct a tutorial session on the amateur radio communications and computing in education during a scientific conference in Bangkok, Thailand, in May 2013 (for the details, visit http://sdiwc.net/conferences/2013/ebw2013).

###

Mammoth Cave APRS Radio Test Results
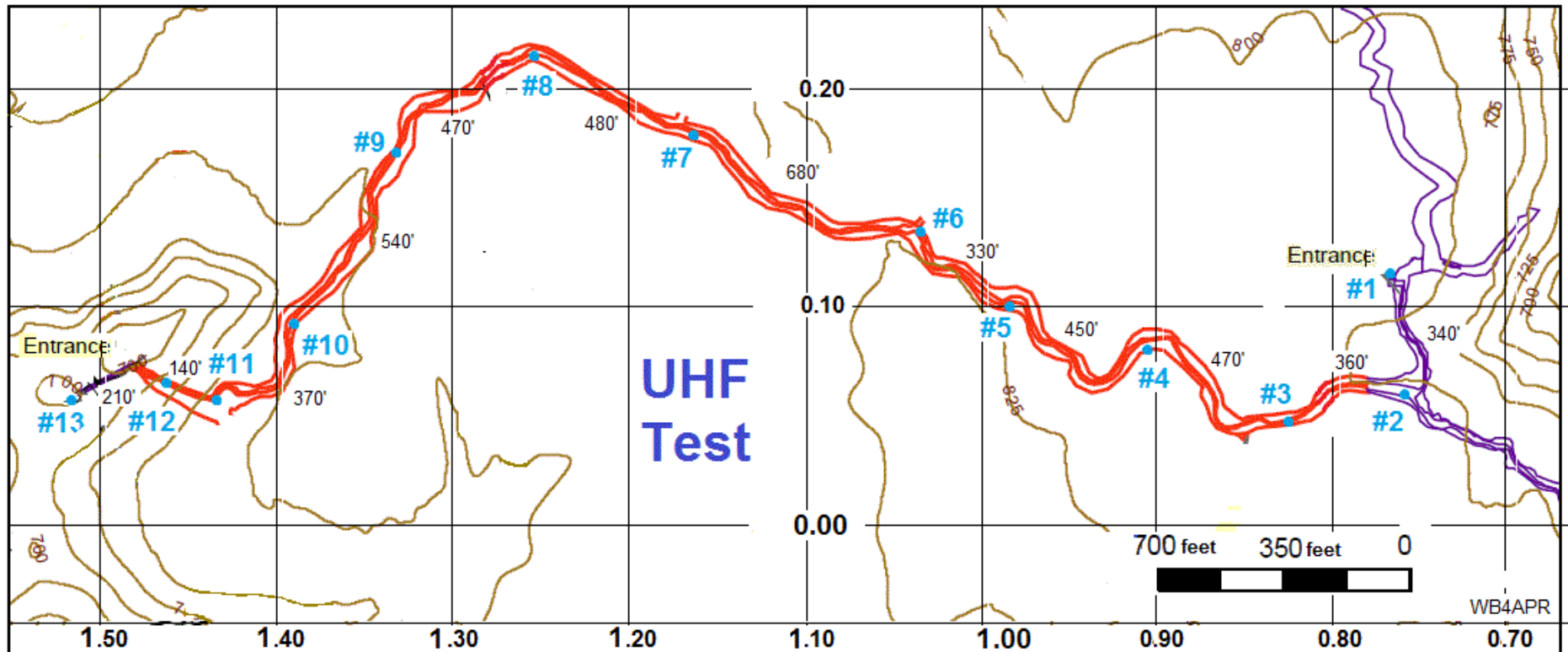
By Bob Bruninga, WB4APR

A new approach to Cave Radio has significantly extended UHF range underground using APRS.

On March 2, 2013, several hams led by Bob Bruninga, WB4APR tested the use of APRS as a means to extend radio communications underground in Mammoth Cave, KY. (See "Mammoth Cave Packet Test (March 2-3, 2013)" in PSR #121, page 4.)

Typically, VHF and UHF radio are limited to only a few hundred feet and strictly line-of-sight underground making their routine use of little value. But with APRS radios acting as packet digipeaters, these few hundreds of feet can be extended by an order of magnitude.

A total of 14 APRS radios were used in the cave to establish a network almost a mile long providing real-time position and text message communications along the route. Cavers carried a map of the cave with a latitude/longitude grid so they could manually enter their position into their HTs (see Figure 1 below).

Placement from #1 to #11 were driven by range limits from #1 working west. The 140' distance between #12 and #11 is not an RF limit. **Grid is in generic Minutes of LAT/Long**

Texting via APRS provided communications end-to-end and could even include e-mail into the topside global APRS system.

Interesting findings were that UHF worked about 13% better than VHF with an average link distance of about 450 feet even in the large subway-sized passages of Mammoth Cave. Power did not seem to matter much. The TH-D72 handhelds performed as well as several portable 10-watt mobile radios.

Another advantage of using UHF for this APRS network was that individual links in other caves could just as easily be pretested by unlicensed cavers using inexpensive $20 FRS radios. This way, cavers can plan and individually test the topology of an APRS network before actually gathering the APRS equipment and setting up the actual expedition.

Extending the communications system down the cave was as easy as walking until signal was lost, backing up 20 to 30 feet and setting a digipeating APRS handheld on a rock. Then proceeding. This is far more convenient than current methods such as dragging along WWII twisted pair phone line and Army field phones or using HF and LF systems with their large antennas.

Yet another advantage is that once topside, the data can be linked via RF into the national APRS network where it can be picked up by the global APRS network and seen on the worldwide APRS data page: http://aprs.fi.

Figure 2 shows the author outside of one of the entrances with his HT in hand and one of the boxed TM-D700 digipeaters on the stone wall in front.

In conclusion, APRS radio brings a new range multiplier dimension to in-cave communication. In the past, a paltry few-hundred foot VHF/UHF radio range has not been impressive to cavers, but now with APRS, they can be linked up to 14 times in series, demonstrating some real potential for ham radio caving support. This is especially true when some of those few hundred foot distances may take an hour or more to crawl while APRS can get the message through at the speed of light.

WB4APR welcomes any other VHF/UHF range data experience with other types, sizes, shapes and humidity of cave passages. For more information, visit aprs.org/cave-link.html

###

2013 ARRL/TAPR Digital Communications Conference

September 20-22 in Seattle, Washington

Make your reservations now for three days of learning and enjoyment at the Cedarbrook Lodge in Seattle, Washington. The Digital Communication Conference schedule includes forums, demonstrations, a Saturday evening banquet and an in-depth Sunday seminar.

This conference is for everyone with an interest in digital communications—beginner to expert.

Call Tucson Amateur Packet Radio at: **972-671-8277**, or go online to **www.tapr.org/dcc**

TAPR is a community that provides leadership and resources to radio amateurs for the purpose of advancing the radio art.

When Digital Was Cool

By Stana Horzepa, WA1LOU

I visited the webpage <http://www.qsl.net/k3vsa/> of a regular Surfin' suggester, Woody Woodward, K3VSA, and an image of a Kenwood TS-520S on that page brought back memories of the first time I noticed that transceiver advertised in QST, circa 1971.

While window-shopping for a new radio back then, the TS-520S caught my eye; not the radio so much as the digital frequency readout display unit sitting on top of the 520 in that QST advertisement. I had never seen a digital readout on a ham radio before and I thought it was the coolest thing in the world. Owning it would make me a real space cadet!

Since I was still in school at the time, my radio budget was very tight. When I phoned the advertiser about the 520, I got the bad news: the digital display unit was optional --- it was not included in the price of the 520.

I could barely afford the 520 much less a $100 option, so I bought the 520 without the digital display and delayed my entry into the space cadet corps.

Luckily, I did not have to wait long to join the corps. This was about the time that digital clock kits arrived on the scene. The back pages of all the ham magazines had thumbnail ads for such kits.

They were very affordable and I probably paid $5 for a kit, which in today's dollars is about $27 and jives with the price of the current ARRL digital clock kit <http://www.arrl.org/shop/24-Hour-Digital-Clock-Kit>. The digital clock kit was so affordable that I even sprung for the optional simulated mahogany cabinet to contain the clock.

After a few hours of soldering and assembling the kit, I connected the digital clock to AC and my ham shack became cool as I entered the space age.

Until next time, keep on surfin'!

(This article originally appeared in Surfin' on the ARRL website http://www.arrl.org/*)*

###

We're active on our club's blowtorch repeater on 442.150MHz, and we also are blessed with a pair of vintage Kenwood TS-520S transceivers which are...

A vintage Kenwood TS-520S with its matching DG-5 digital display unit.

...thirty-five years old and still going strong. These radios are available, affordable, reliable, and a great way to introduce yourself to operating on HF.

Future projects include better antennas (using a G5RV now) and getting on the air with HSMM, Narrow-bandwidth TV and free-space optical communications.

This is the Remco Crystal Radio kit. The circular loop on top of the cabinet did nothing and was merely for show.

My first radio project was this Remco Crystal Radio kit, which I obtained when I had single digit years of age. It "tuned" by means of a slider on the coil. It received the same station, WBAL 1090kHz (called "kilocycles per second" back then), regardless of where the slider was set. I still have a fascination with crystal radios today, and they can be amazingly good performers if well designed!

K3VSA's webpage stirred up memories of my first foray into digital ham radio (the TS-520S digital display unit) and my first radio kit (the Remco Radiocraft Crystal Radio Kit).

Write Here!

PSR is looking for a few good writers, particularly ham radio operators working on the digital side of our hobby, who would like to write about their activities here.

You don't have to be Hiram Percy Maxim to contribute to PSR and you don't have to use Microsoft Word to compose your thoughts.

The PSR editorial staff can handle just about any text and graphic format, so don't be afraid to submit whatever you have to wa1lou@tapr.org. The deadline for the next issue of PSR is August 15, so write early and write often.

If PSR publishes your contribution, you will receive an extension to your TAPR membership or if you are not a member, you will receive a TAPR membership.

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On the Net
By Mark Thompson, WB9QZB

Facebook

As you may know, TAPR has a Facebook page, www.facebook.com/TAPRDigitalHam.

However, recently I also created a TAPR Facebook Group, www.facebook.com/groups/TAPRDigital/.

If you have a Facebook account, "Like" the TAPR Facebook page and join the TAPR Facebook Group.

If you join the group click on the Events link and indicate you're Going to the events.

On Twitter, Too

Access the TAPR Twitter account at www.twitter.com/taprdigital.

Also on YouTube

TAPR now has its own channel on YouTube: the TAPR Digital Videos Channel: www.youtube.com/user/TAPRDigitalVideo.

At this time, there are over 30 videos on our channel including many from the TAPR-ARRL Digital Communications Conference (DCC) that you may view at no cost, so have at it!

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TUCSON AMATEUR PACKET RADIO CORPORATION

COMPILED FINANCIAL STATEMENTS
AND
SUPPLEMENTARY INFORMATION

For the months and years ended
December 31, 2012 and 2011

C O N T E N T S

Accountants' Compilation Report

Board of Directors
Tucson Amateur Packet Radio Corporation
P.O. Box 852754
Richardson, TX 75085-2754

We have compiled the accompanying statements of assets, liabilities, and net assets- income tax basis of Tucson Amateur Packet Radio Corporation (a nonprofit organization) as of December 31, 2012 and 2011, and the related statements of revenues and expenses, and other changes in net assets - income tax basis for the months and years then ended, and the accompanying supplementary information, which are presented for supplementary analysis purposes, in accordance with Statements on Standards for Accounting and Review Services issued by the American Institute of Certified Public Accountants. We have not audited or reviewed the accompanying financial statements and, accordingly, do not express an opinion or provide any assurance about whether the financial statements are in accordance with the income tax basis of accounting.

Management is responsible for the preparation and fair presentation of the financial statements in accordance with the income tax basis of accounting and for designing, implementing, and maintaining internal control relevant to the preparation and fair presentation of the financial statements.

Our responsibility is to conduct the compilation in accordance with Statements on Standards for Accounting and Review Services issued by the American Institute of Certified Public Accountants. The objective of a compilation is to assist management in presenting financial information in the form of financial statements without undertaking to obtain or provide any assurance that there are no material modifications that should be made to the financial statements.

Management has elected to omit substantially all of the disclosures ordinarily included in financial statements prepared in accordance with the income tax basis of accounting. If the omitted disclosures were included in the financial statements, they might influence the user's conclusions about the Company's assets, liabilities, net assets, revenues, and expenses. Accordingly, the financial statements are not designed for those who are not informed about such matters.

January 16, 2013

S. J. Meyer + Associates, Inc.

Tucson Amateur Packet Radio Corporation
Statements of Assets, Liabilities and Net Assets - Income Tax Basis
December 31, 2012 and 2011

ASSETS

	2012	2011
Current assets		
Cash in bank-checking	$ 36,340.24	73,111.54
Cash in bank - savings	27,015.46	24,103.59
Inventory - TAPR	116,137.90	90,217.50
Total current assets	179,493.60	187,432.63
Property and equipment at cost		
Equipment - Dayton	1,678.95	1,678.95
Equipment - Richardson	3,391.29	3,391.29
Equipment - Oklahoma	1,976.63	1,976.63
	7,046.87	7,046.87
Less: accumulated depreciation	(7,046.87)	(7,046.87)
	0.00	0.00
	$ 179,493.60	187,432.63

Tucson Amateur Packet Radio Corporation
Statements of Assets, Liabilities and Net Assets - Income Tax Basis
December 31, 2012 and 2011

LIABILITIES AND NET ASSETS

	2012	2011
Current liabilities		
Texas sales tax payable	$ 724.35	952.13
Total current liabilities	724.35	952.13
Net assets		
Net assets	186,480.50	139,105.51
Net increase (decrease) in net assets	(7,711.25)	47,374.99
Total net assets	178,769.25	186,480.50
	$ 179,493.60	187,432.63

Tucson Amateur Packet Radio Corporation
Statements of Revenues, Expenses and Other Changes in Net Assets - Income Tax Basis
For the Months and Years Ended December 31, 2012

	Current Month	% of Sales	Prior Year Month	% of Sales	Current Year to Date	% of Sales	Prior Year to Date	% of Sales
Revenues								
Sales - inventory	$ 3,612.54	95.63	$ 2,857.85	95.36	$ 304,577.12	99.95	$ 250,453.72	104.19
Shipping and handling	281.00	7.44	488.00	16.28	15,261.00	5.01	16,623.00	6.91
Discounts	(116.00)	(3.07)	(349.00)	(11.65)	(15,111.25)	(4.96)	(26,685.00)	(11.10)
Total revenues	3,777.54	100.00	2,996.85	100.00	304,726.87	100.00	240,391.72	100.00
Cost of sales								
Cost of sales	3,801.69	100.64	(20,474.53)	(683.20)	241,770.99	79.34	123,395.05	51.33
Postage	526.48	13.94	1,151.75	38.43	9,943.87	3.26	16,013.82	6.66
Rent - storage	55.00	1.46	55.00	1.84	660.00	0.22	660.00	0.27
Rent	1,600.00	42.36	1,600.00	53.39	19,200.00	6.30	19,200.00	7.99
Shipping - general	218.22	5.78	107.36	3.58	2,355.65	0.77	1,751.69	0.73
Shipping - kits	242.02	6.41	102.50	3.42	5,427.99	1.78	2,460.00	1.02
Total cost of sales	6,443.41	170.57	(17,457.92)	(582.54)	279,358.50	91.68	163,480.56	68.01
Gross profit (loss)	(2,665.87)	(70.57)	20,454.77	682.54	25,368.37	8.32	76,911.16	31.99
Expenses								
Accounting fees	300.00	7.94	275.00	9.18	4,520.00	1.48	3,175.00	1.32
Bank and credit card fees	403.23	10.67	632.58	21.11	14,012.85	4.60	10,087.93	4.20
Convention	0.00	0.00	0.00	0.00	3,020.44	0.99	672.00	0.28
Convention - DCC	0.00	0.00	0.00	0.00	18,987.42	6.23	14,441.96	6.01
Insurance	0.00	0.00	0.00	0.00	964.00	0.32	1,632.00	0.68
Internet	433.89	11.49	46.92	1.57	973.90	0.32	616.91	0.26
Legal fees	0.00	0.00	0.00	0.00	75.00	0.02	75.00	0.03
Licenses & fees	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00
Meals and entertainment	0.00	0.00	0.00	0.00	0.00	0.00	136.05	0.06
Office supplies	0.00	0.00	168.85	5.63	1,499.86	0.49	1,437.59	0.60
Printing	0.00	0.00	0.00	0.00	402.38	0.13	580.09	0.24
PSR newsletter	0.00	0.00	0.00	0.00	1,920.51	0.63	2,000.00	0.83
Repairs and maintenance	0.00	0.00	0.00	0.00	97.04	0.03	155.57	0.06
Research and development	0.00	0.00	5,331.72	177.91	3,042.41	1.00	5,529.72	2.30
Server hosting	138.20	3.66	138.20	4.61	1,445.71	0.47	1,658.40	0.69
Taxes	0.00	0.00	0.00	0.00	233.59	0.08	125.19	0.05
Telephone	76.41	2.02	47.59	1.59	680.21	0.22	576.08	0.24
Travel	32.39	0.86	795.10	26.53	3,082.45	1.01	6,611.47	2.75
Travel/hotel (board)	0.00	0.00	1,712.37	57.14	7,648.47	2.51	6,912.97	2.88
Total expenses	1,384.12	36.64	9,148.33	305.26	62,606.24	20.55	56,433.93	23.48
Other (income)/expenses								
Other income	0.00	0.00	0.00	0.00	(500.00)	(0.16)	0.00	0.00
Interest income	(3.89)	(0.10)	(6.44)	(0.21)	(60.87)	(0.02)	(108.51)	(0.05)
Royalty income	0.00	0.00	0.00	0.00	(1,244.50)	(0.41)	(1,866.75)	(0.78)
Dues - new members	(25.00)	(0.66)	(225.00)	(7.51)	(4,125.00)	(1.35)	(2,600.00)	(1.08)
Dues - renewals	(75.00)	(1.99)	(250.00)	(8.34)	(7,156.25)	(2.35)	(8,675.00)	(3.61)
DCC convention income	0.00	0.00	0.00	0.00	(16,440.00)	(5.39)	(16,140.00)	(6.71)
Total other (income)/expenses	(103.89)	(2.75)	(481.44)	(16.06)	(29,526.62)	(9.69)	(29,390.26)	(12.23)
Net increase(decrease)in net assets	$ (3,946.10)	(104.46)	$ 11,787.88	393.34	$ (7,711.25)	(2.53)	$ 49,867.49	20.74

See Accountants' Compilation Report

SUPPLEMENTARY INFORMATION

Tucson Amateur Packet Radio Corporation
Schedules of Accumulated Depreciation - Income Tax Basis
December 31, 2012 and 2011

SUPPLEMENTARY INFORMATION

	2012	2011
Accumulated Depreciation		
Equipment - Dayton	$ 1,678.95	1,678.95
Equipment - Richardson	3,391.29	3,391.29
Equipment - Oklahoma	1,976.63	1,976.63
	$ 7,046.87	7,046.87

Tucson Amateur Packet Radio Corporation
Schedule of Revenues and Cost of Sales - Income Tax Basis
For the Month and Year Ended December 31, 2012

SUPPLEMENTARY INFORMATION

	Current Month	% of Sales	Year to Date	% of Sales
Revenues				
Sales-TADD-1	$ 0.00	0.00	$ 0.00	0.00
Cost of Sales	0.00	0.00	0.00	0.00
Gross profit (loss)	0.00	0.00	0.00	0.00
Sales-TADD-2	0.00	0.00	483.00	1.88
Cost of Sales	0.00	0.00	245.00	0.95
Gross profit (loss)	0.00	0.00	238.00	0.93
Sales-TADD-3	207.00	37.70	414.00	1.61
Cost of Sales	105.00	19.13	210.00	0.82
Gross profit (loss)	102.00	18.58	204.00	0.79
Sales-TADD-Enclosure	117.00	21.31	312.00	1.21
Cost of Sales	54.00	9.84	144.00	0.56
Gross profit (loss)	63.00	11.48	168.00	0.65
Sales-ClockBlock	0.00	0.00	1,035.00	4.03
Cost of Sales	0.00	0.00	675.00	2.63
Gross profit (loss)	0.00	0.00	360.00	1.40
Sales-FatPPS	49.00	8.93	833.00	3.24
Cost of Sales	23.00	4.19	391.00	1.52
Gross profit (loss)	26.00	4.74	442.00	1.72

Tucson Amateur Packet Radio Corporation
Schedule of Revenues and Cost of Sales - Income Tax Basis
For the Month and Year Ended December 31, 2012

SUPPLEMENTARY INFORMATION

	Current Month	% of Sales	Year to Date	% of Sales
Revenues				
Sales-HPSDR-Atlas Parts Kits	$ 0.00	0.00	$ 1,008.00	3.92
Cost of Sales	0.00	0.00	576.00	2.24
Gross profit (loss)	0.00	0.00	432.00	1.68
Sales-HPSDR-Atlas PCB	0.00	0.00	396.00	1.54
Cost of Sales	0.00	0.00	180.00	0.70
Gross profit (loss)	0.00	0.00	216.00	0.84
Sales-Ozmandias bare PCB	0.00	0.00	0.00	0.00
Cost of Sales	0.00	0.00	0.00	0.00
Gross profit (loss)	0.00	0.00	0.00	0.00
Sales-Metis A&T	0.00	0.00	11,742.00	45.70
Cost of Sales	0.00	0.00	7,600.00	29.58
Gross profit (loss)	0.00	0.00	4,142.00	16.12
Sales-Mercury PCB	0.00	0.00	0.00	0.00
Cost of Sales	0.00	0.00	0.00	0.00
Gross profit (loss)	0.00	0.00	0.00	0.00
Sales-LPU	0.00	0.00	946.00	3.68
Cost of Sales	0.00	0.00	418.00	1.63
Gross profit (loss)	0.00	0.00	528.00	2.05

See Accountants' Compilation Report

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Tucson Amateur Packet Radio Corporation
Schedule of Revenues and Cost of Sales - Income Tax Basis
For the Month and Year Ended December 31, 2012

SUPPLEMENTARY INFORMATION

	Current Month	% of Sales	Year to Date	% of Sales
Revenues				
Sales-Pandora	$ 0.00	0.00	$ 2,071.00	8.06
Cost of Sales	0.00	0.00	1,235.00	4.81
Gross profit (loss)	0.00	0.00	836.00	3.25
Sales-PennyWhistle	0.00	0.00	4,342.00	16.90
Cost of Sales	0.00	0.00	2,504.00	9.75
Gross profit (loss)	0.00	0.00	1,838.00	7.15
Sales-Excalibur	176.00	32.06	2,112.00	8.22
Cost of Sales	92.00	16.76	1,104.00	4.30
Gross profit (loss)	84.00	15.30	1,008.00	3.92
Total Supplemental Revenue	$ 549.00	100.00	$ 25,694.00	100.00
Total Supplemental Cost of Sales	274.00	49.91	15,282.00	59.48
Gross profit (loss) Supplemental	$ 275.00	50.09	$ 10,412.00	40.52
DCC Convention Income	$ 0.00		$ 16,440.00	
DCC Convention Discounts	0.00		0.00	
Net DCC Convention Income	0.00		16,440.00	
DCC Convention Expenses	0.00		18,987.42	
Gross profit (loss) DCC Convention	$ 0.00		$ (2,547.42)	

PSR

Submission Guidelines

TAPR is always interested in receiving information and articles for publication. If you have an idea for an article you would like to see, or you or someone you know is doing something that would interest TAPR, please contact the editor (wa1lou@tapr.org) so that your work can be shared with the Amateur Radio community. If you feel uncomfortable or otherwise unable to write an article yourself, please contact the editor for assistance. Preferred format for articles is plain ASCII text (OpenOffice or *Microsoft Word* is acceptable). Preferred graphic formats are PS/EPS/TIFF (diagrams, black and white photographs), or TIFF/JPEG/GIF (color photographs). Please submit graphics at a minimum of 300 DPI.

Production / Distribution

PSR is exported as Adobe Acrobat and distributed electronically at www.tapr.org

PSR Editor:

Stana Horzepa, WA1LOU

E-mail wa1lou@tapr.org

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