

Open Research Institute DEFCON 27 Report

Description

Open Research Institute staffed a table in the Ham Radio Village at DEF CON 27, August 9-11, 2019, in the Flamingo Las Vegas. We explained ORI's overall goals and demonstrated an open source polyphase channelizer running in an FPGA under GNU Radio and RFNoC on an Ettus USRP X-310, to a constant stream of DEF CON attendees visiting the Ham Radio Village.

We also sold Trans-Ionospheric badges remaining from Hamvention 2018 and DEF CON 26, and leftover Pirate Monkey badges from the JoCo Cruise 2018. Since we were selling badges anyway, we offered to sell badges and badge add-ons for other members of the #badgelife community who had no other legitimate way to sell at DEF CON. Sales transactions were handled in cash or with SquareUp credit card processing. Nevada state and local sales tax (total of \$826.65) were paid on a gross intake of \$10,020.00.

Trans-Ionospheric Badge Sales

40 Trans-Ionospheric badges were sold from ORI inventory at the regular in-person price of \$100 each, generating a net income of \$3628.75.

	Gross Income	Taxes	Credit Fees
Cash Sales	2500	206.25	N/A
Credit Sales	1500	127.75	41.25
Total	4000	334.00	41.25

Pirate Monkey Badge Sales

22 Pirate Monkey badges were sold from ORI inventory at the regular in-person price of \$100 each, generating a net income of \$1988.25.

	Gross Income	Taxes	Credit Fees
Cash Sales	1100	90.75	N/A
Credit Sales	1100	90.75	30.25
Total	2200	181.50	30.25

DEFCON Shoot Badge Sales

26 badges from the DEFCON Shoot were sold on behalf of Gigs (handle on Slack workgroup BadgeLife) for the regular price of \$40 each, for a total of \$1040 gross. By prior arrangement with Gigs, \$30 from each sale (total \$780) were paid out to him, and the remainder after taxes and fees (\$162.10) retained as a donation to ORI.

	Gross Sales	Taxes	Credit Fees
Cash Sales	600	49.50	N/A
Credit Sales	440	36.30	12.10
Total	1040	85.80	12.10

DC858 Badge Sales

13 badges from the DEF CON 858/619 meetup group leftover from DEF CON 26 were sold on behalf of Ellwood (handle on Slack workgroup BadgeLife) for a discounted price of \$60 each, for a total of \$780 gross. By prior arrangement with Ellwood, \$50 from each sale (total \$650) were paid out to him, and the remainder after taxes and fees (\$49.15) retained as a donation to ORI.

	Gross Sales	Taxes	Credit Fees
Cash Sales	180	14.85	N/A
Credit Sales	600	49.50	16.50
Total	780	64.35	16.50

AwkwardAI Badge and Add-On Sales

Various badges, badge kits, and badge add-ons were sold on behalf of Andrew Nicholson ("AwkwardAI") for various prices ranging from \$15 to \$50 each, for a total of \$1910 gross. By arrangement with Nicholson, a total of \$1600 was paid out to him and the remainder after taxes and fees (\$134.68) retained as a donation to ORI.

	Gross Sales	Taxes	Credit Fees
Cash Sales	1265	104.36	N/A
Credit Sales	645	53.22	17.74
Total	1910	157.58	17.74

USB Cable Tester Sales

6 USB Cable Testers were sold on behalf of Nick P (handle on Slack workgroup BadgeLife) for \$15 each, for a total of \$90 gross. By arrangement with Nick P, \$70 was paid out to him and the remainder after taxes and fees (\$11.74) retained as a donation to ORI.

	Gross Sales	Taxes	Credit Fees
Cash Sales	60	4.95	N/A
Credit Sales	30	2.48	0.83
Total	90	7.43	0.83

ORI Income Summary

Trans-Ionospheric Badge Sales	3628.75
Pirate Monkey Badge Sales	1988.25
Direct Cash Donations	5.25
Donation from DEFCON Shoot Badge	162.10
Donation from DC858 Badge	49.15
Donation from AwkwardAI	134.68
Donation from USB Tester	11.74
Total	5879.92