10 Things That Are Pissing Me Off

RenderMan, Church of Wifi

Caution: The first 3 rows may get wet

10 Things That Are Pissing Me Off

- There's a lot more, but we're sticking to Hacker related ones

- This is cheaper than therapy

- Got so pissed off I'm doing something about some of them, others I need help

- Save discussion till afterwards, I only have 20 minutes

#1 WPA-RADIUS Documentation

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- Been saying 'use WPA-RADIUS' for best security for years

- Ever tried to set it up open source?

- No two sets of documentation is the same

- Every distro a little different

- Took me weeks to get something running

- How is Joe IT guy supposed to do it if I can't?

#1 WPA-RADIUS Documentation

- Decided to write generic laymans instructions

- Distro, vendor generic instructions for building a small WPA-RADIUS system

- Maybe a Wiki for others to submit their own changes and notes about different systems, scripts, ideas, etc.

- Every AP supports it, why is'nt it being used; Because it's confusing as hell.

#2 Ideas Dying a Horrible Death

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- Like many, I have random ideas

- Some better than others

- Some need to be made into products for the greater good

- i.e. Wedding photo download station

#2 Ideas Dying a Horrible Death

- Got married in the spring, wanted as many photo's as possible. Most guests had digital cameras

- In a moment of brilliance, setup laptop w/ 25-in-one card reader, got everyones pics as they left, an extra 1000 photo's

- Some simple refinements could make a good product to sell to wedding planners and photographers. Put me down for 10% gross

- Need to talk more and not hoard ideas

#3 Lack of Tool Evolution

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- So many useful wireless (and other) tools never develop beyond proof-of-concept

- Airpwn, Karma, Void11

- I can't code so I can't fix it

- I can bribe though!

#3 Lack of Tool Evolution

- Wireless Village project

- Posted development I think needs to be tackled and reward milestones, feel free to exceed goals

- Beer, 10 years worth of stickers, maybe cash, whatever I can scrape up

- All open source tools with evolution to be freely available

- 8000 hackers together in the same place, why not see what happens when you ask for a tool

#4 802.11n

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- 40Mhz channels scare me

- Already have issues with interference on 802.11b/g (channel 1,6,11 all very busy)

- Now a neighboor can setup a 802.11n station and stomp all over everyone (Greenfield mode)

- Any ideas what to do about this problem, other than make money consulting and prolonging the problem?

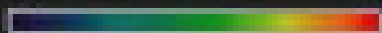- Discussed in the wireless village, but want to hear from more people

#4 802.11n
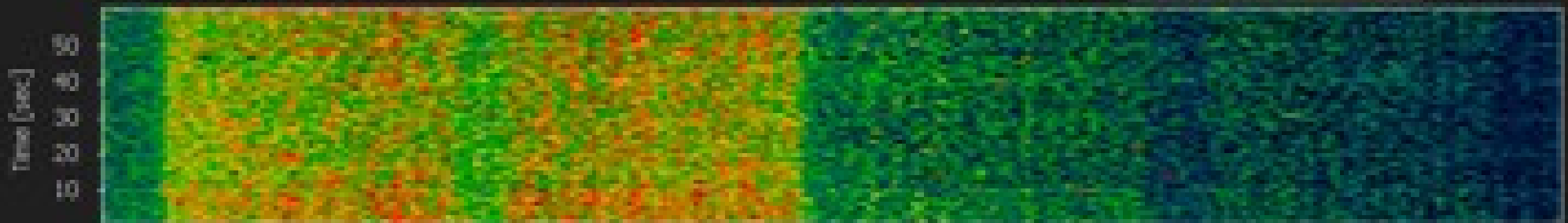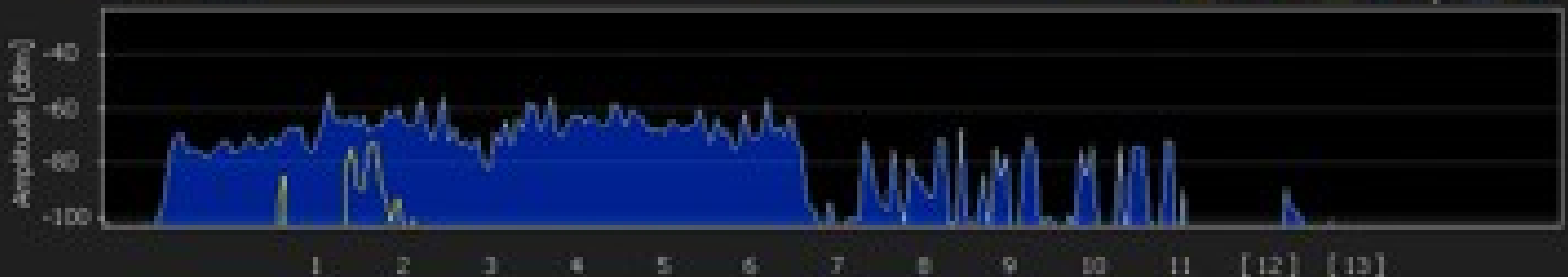
#5 Protocol Discrimination
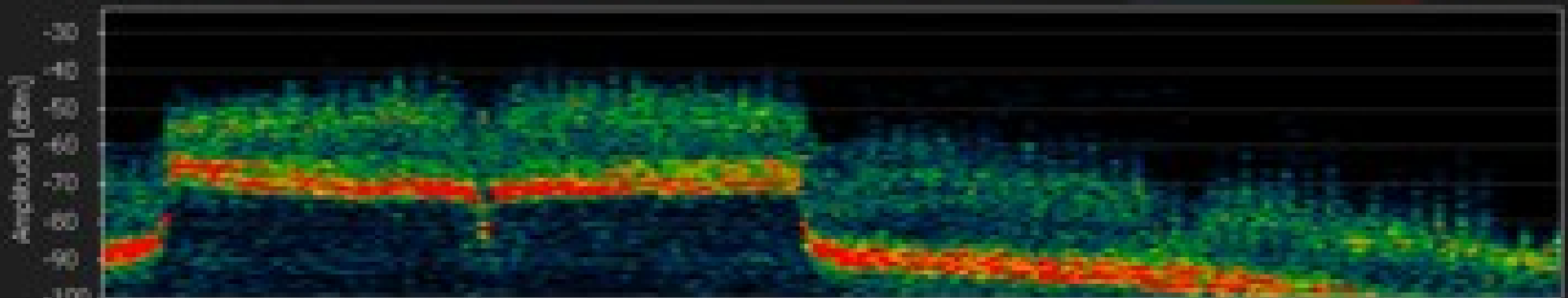
#5 Protocol Discrimination

- Santa Fe, New Mexico

- Group 'Allergic' to Wi-Fi alleges that Wi-Fi in public buildings is discrimination and violating their rights under ADA

- I'm allergic to stupid, your existence is violation of my rights

- How can you be allergic to a protocol, what about Bluetooth on patrons? Cordless phones? All the other 2.4Ghz devices?

- Has anyone put him in a faraday cage to test?

#5 Protocol Discrimination

- By their own logic, they should probobly be dead

- Too many sources to regulate

- I'm allergic to Police band radios, please stop using them

- Easy solution, money out of my own pocket to do it....

#5 Protocol Discrimination

#6 Airline Rate Fluctuations

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- Why is it that Airplane ticket costs rise and fall over time?

- Edmonton to New York via Toronto is cheaper than Edmonton to Toronto?

- WTF!

- While I file federal complaints....

- Websites that track flight prices over time

- How is this legal!

#6 Airline Rate Fluctuations

New York to Edmonton Via Toronto

✹	AC707	**10:30**	12:15	319 ★	0	Toronto (YYZ)		-	○	$162
✹	AC127	14:45	**16:49**	320 ★	0					

Same Flight!
Same Day!

Toronto to Edmonton

✹	AC127	**14:45**	**16:49**	320 ★	0		○ $219	○ $264

#6 Airline Rate Fluctuations

- Not just the TSA with the rectal probe at the airport

- Probably happens a lot, many airlines

- Website to scrape this kind of data and flag discrepancies, or...

- Find connections that are cheaper and just not take the second leg

- Give consumers the tools to file complaints, fight back

- farecast.com w/o the Microsoft buyout

#7 There's Too Much Security!

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- Don't throw anything (It's not Shmoocon!)
- Pushing the envelope does wonderful things
- Is that the best use for our talents and time?
- Freezing RAM to extract crypto is cool, but...
- Botnet sizes show more is needed to be done on the basic, before we work on the advanced

#7 There's Too Much Security

- Uncertainty principal/Observer effect – If we observe problems in a protocol or product, we cause a change, usually increased scrutiny by bad guys

- Debian RNG bug was a year old, did it matter?

- How do you get Joe Public to actually do something about the bug you found?

- If we can find ways of stopping the source of problems, the unknown realm won't matter as much

#7 There's Too Much Security!

- Protecting against one-off, low probability attacks instead of making the basics easy

- See thing #1, WPA-Radius instructions

- Nessus Feed changes

- Security compass exploit-me tools

- Easy to use instructions and products to help those who need it

- Welcome discussion later

#8 We have No Skills

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- During Hackcon in Norway, Visited Norweigan resistance museum with handful of other hackers

- We suck compared to the stuff these guys pulled off. They were true hackers

- We have a passion for exploration and exploitation but have we forgotten where we came from?

- How many of you can identify this:

#8 We Have No Skills

#8 We Have No Skills

- It's a Fox Hole radio

- How many could build one?

- Many of us would be clueless/useless without our high tech

- Proposal for next year: Hacker Survival Skills Class

- Old school improvised tech and skills for being useful if things hit the fan

#9 Unpaid Debts

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- "You owe me a beer for that"
- "Thanks, I owe you a beer"
- No simple way to track the 'beer economy' at cons
- Need web programmer for beer-tracker.com
- Mechanism for tracking beer debt and credit
- Print out report at con time and settle debts

#9 Unpaid Debts

- Possible Beer 'currencies': 1 Guiness = 24 PBR's?

- Cross settling of debts

- A Karma system, but with Beer

- Need a web programmer to help build it

- Start with Defcon, maybe throw it open to other cons and frat houses

#10 Encryption Products

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- Recent descision means border is a no-mans land

- Random laptop search, don't have anything to hide, don't have everything to share

- Like many, I dual boot; Most if not all full drive crypto products won't dual boot

- Truecrypt is Open-Source, someone please fix this

- Goes back to #1, make it easy to use

Conclusion

- Feel free to question/challenge/berate me after I get off stage

- I'll be in the wireless village

- Tool evolution milestones are already posted in the wireless village

- Looking for volunteers for next year to teach oldschool hacker survival tactics

Thank You

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