

# Cybersecurity

## Vulnerabilities, Solutions, National Security, & the Law

Ladue Chapel Presbyterian Church

R. Scott Granneman

Denise Lieberman

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in a Web development company in St. Louis, Missouri. Scott has written six books, for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in technology, security, web development, & the Internet. As a Principal of [WebSanity](#), he states using an open source, UNIX-based [content management system](#). He has given speaking to people.

www.granneman.com


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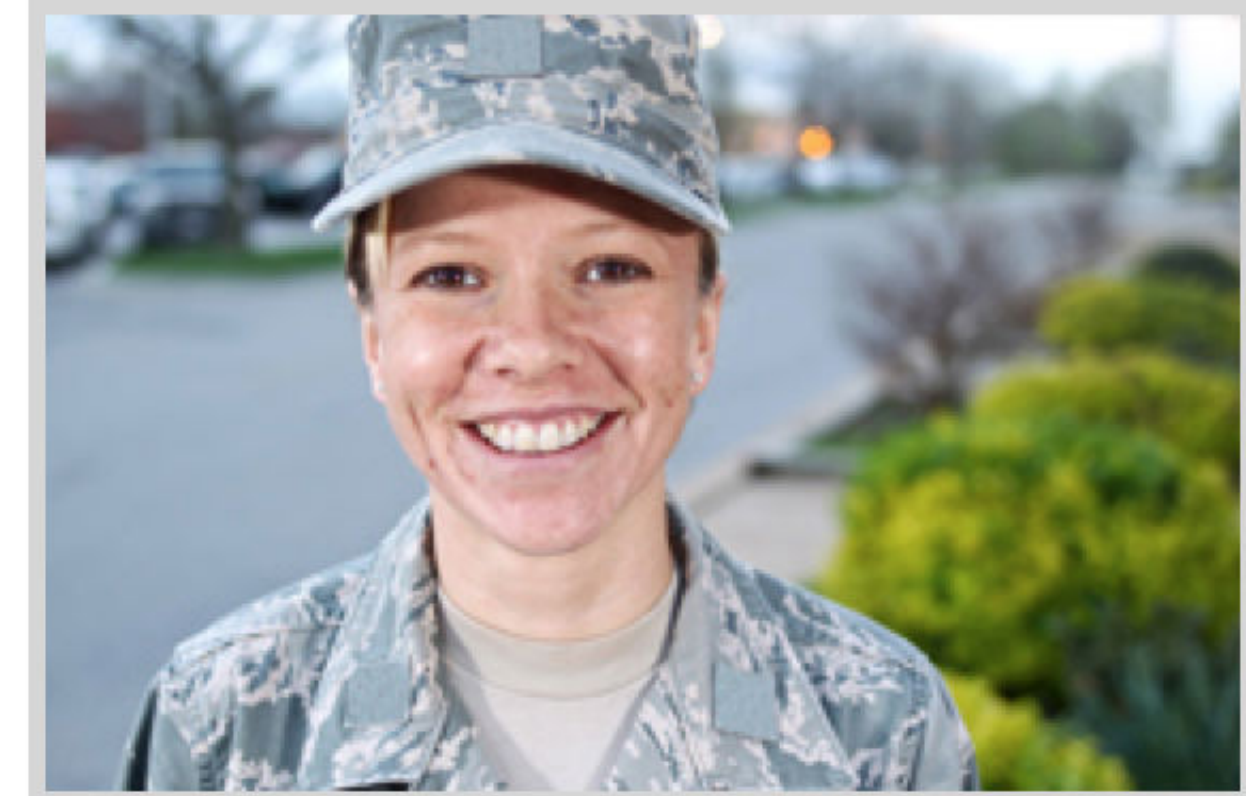
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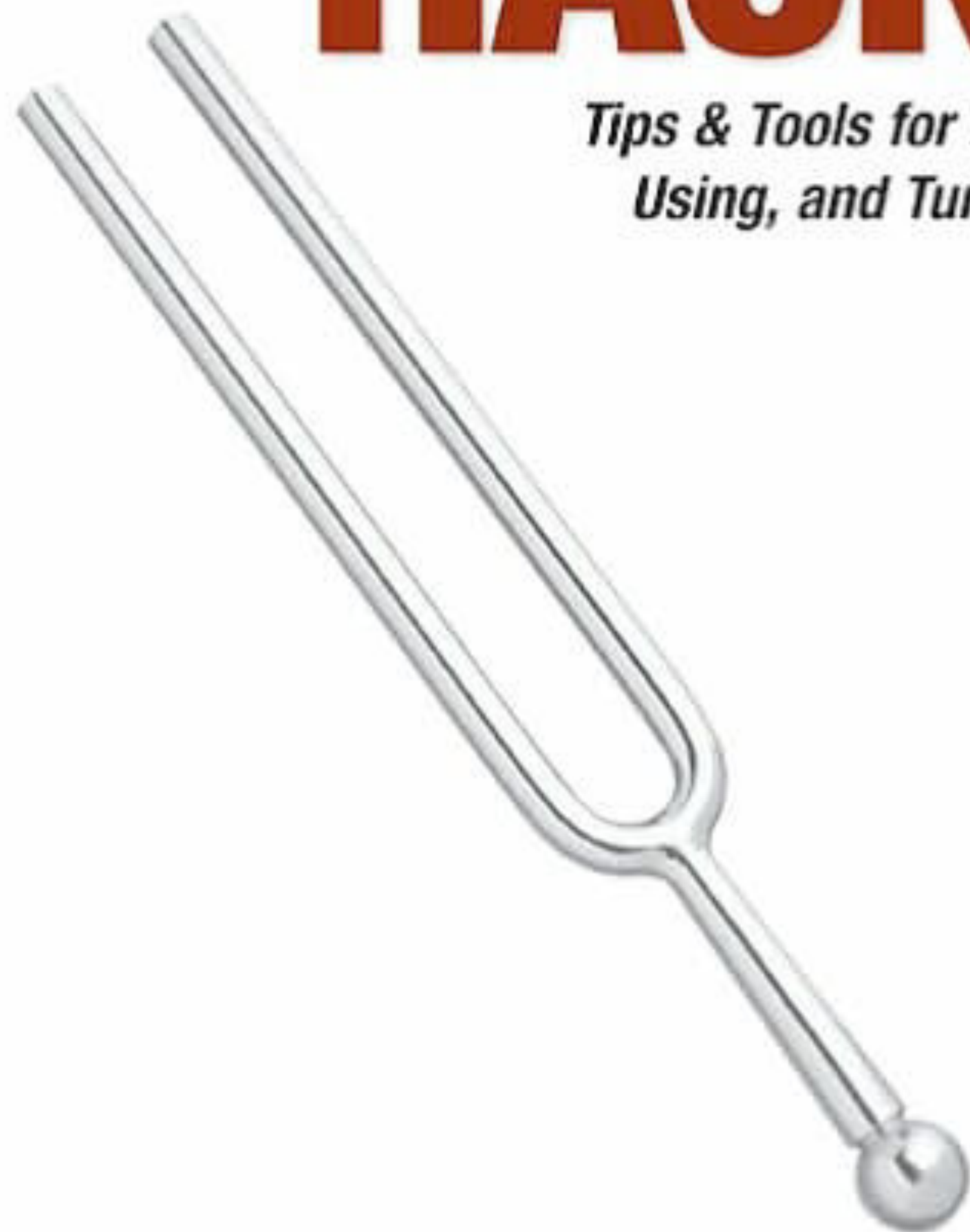
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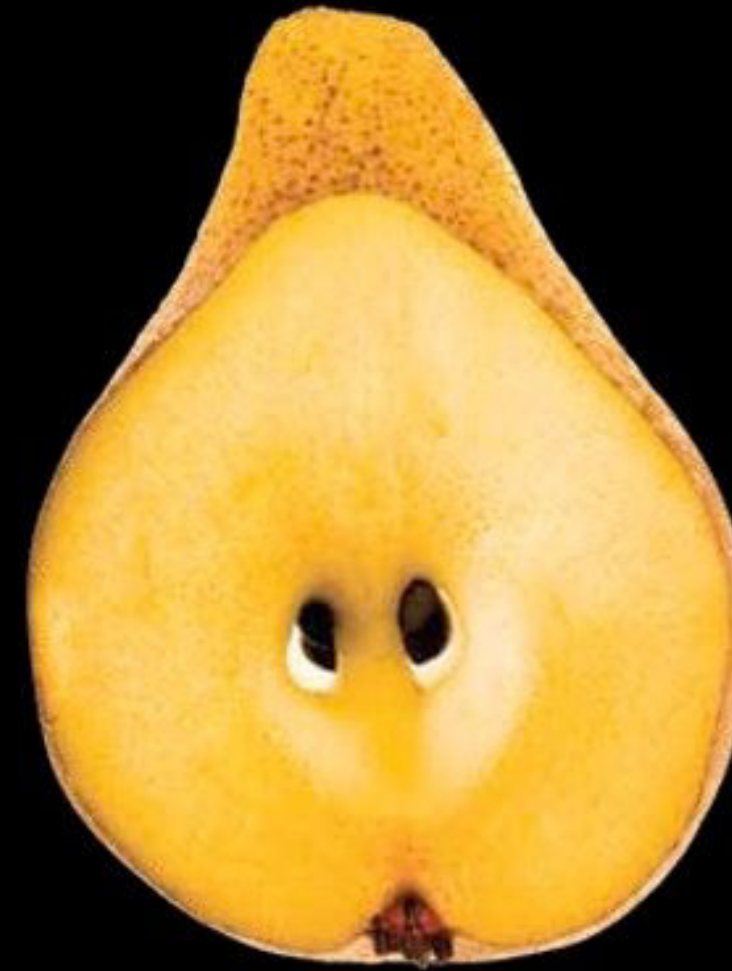
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## RFID Chips Are Here

*Scott Granneman*, 2003-06-26

RFID chips are being embedded in everything from jeans to paper money, and your privacy is at stake.

Bar codes are something most of us never think about. We go to the grocery store to buy dog food, the checkout person runs our selection over the scanner, there's an audible beep or boop, and then we're told how much money we owe. Bar codes in that sense are an invisible technology that we see all the time, but without thinking about what's in front of our eyes.

Bar codes have been with us so long, and they're so ubiquitous, that its hard to remember that they're a relatively new technology that took a while to catch on. The [patent for bar codes](#) was issued in 1952. It took twenty years before a standard for bar codes was approved, but they still didn't catch on. Ten years later, only 15,000 suppliers were using bar codes. That changed in 1984. By 1987 - only three years later! - 75,000 suppliers were using bar codes. That's one heck of a growth curve.

**“ Right now, you can buy a hammer, a pair of jeans, or a razor blade with anonymity. With RFID tags, that may be a thing of the past. ”**

So what changed in 1984? Who, or what, caused the change?

Wal-Mart.

When Wal-Mart talks, suppliers listen. So when Wal-Mart said that it wanted to use bar codes as a better way to manage inventory, [bar codes became de rigeur](#). If you didn't use bar codes, you lost Wal-Mart's business. That's a death knell for most of their suppliers.

The same thing is happening today. I'm here to tell you that the bar code's days are numbered. There's a new technology in town, one that at first blush might seem insignificant to security professionals, but it's a technology that is going to be a big part of our future. And how do I know this? Pin it on Wal-Mart again; they're the big push behind this new technology.

So what is it? RFID tags.



DECEMBER 2005

LINUX MAGAZINE

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# THE MYSQL DATABASE LEAPS AHEAD





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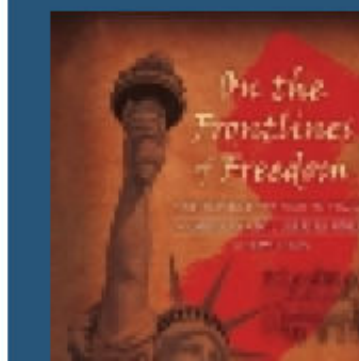
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## ACLU-NJ REPORT REVEALS TROUBLING USE OF STOP-AND-FRISK IN NEWARK

NEWARK – Newark Police officers use stop-and-frisk with troubling frequency and in a manner that leads to racial disparities, according to a report released by the American Civil Liberties Union of New Jersey. The report analyzes the first six months of data from the Newark Police Department, which releases the information on its website monthly in

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Again](#)

## New Bishop's Staff Members Named

The Rev. Andrea Mysen has been called as associate for ministries. She will work collaboratively to support congregations, search committees and vestries through a broad range of activities including recruitment and leadership development.

Karin Gutierrez joins us as administrative assistant for Operations. Gutierrez is a familiar face and voice to those who visit St. James Commons, having served as morning receptionist since August 2012. [Read more.](#)

## Calendar

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Denise Lieberman





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Legal Director of ACLU-EM, 1997-2005





Senior Attorney, 2006–Present





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# Don't Shoot Coalition

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## Just Released Statements

[Don't Shoot Coalition's Response to the Ferguson Commission Report - September 16, 2015](#)

[Don't Shoot Coalition's Response to Body Cameras for STLMPD - September 16, 2015](#)

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**INTERIM REPORT**





# Topics



1. Cybersecurity Threats: Heads Up!
2. Cybersecurity Solutions: Don't Panic!
3. The 4th Amendment: From Redcoats to Routers
4. The Post-Snowden World



Thank you!

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# Cyber-Security

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# Changelog

**2015-10-04 1.0:** Created presentation



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