

LINUX LUNACY 2003 PROGRAM* v0.9

13-Sept SATURDAY

5pm **Boat departs from Seattle**

7:15pm – 8pm **Bon Voyage Cocktail Party**
[Crows Nest Lounge]

14-Sept SUNDAY (Cruising the Inside Passage)

8:30am – Noon **Introduction to the Linux Kernel (Part 1 of 2)**
Ted Ts'o [Wajang Movie Theater]

8:30am – Noon **Beautiful Graphics in X**
Keith Packard [Rembrandt Lounge]

8:30am – Noon **LPI Certification**
The Pritchard's [Captain's Corner, Crows Nest]

10:30am **Spouse/Guest Get Together**
Butts [Crows Nest]

1:30pm – 5pm **Introduction to the Linux Kernel (Part 2 of 2)**
Ted Ts'o [Half Moon Room]

1:30pm – 5pm **JGPRS and GSM International Wireless Connectivity
for the Road Warrior**
Bruce Perens [Rembrandt Lounge]

1:30pm – 5pm **LPI Certification**
The Pritchard's [Captain's Corner, Crows Nest]

5:30pm – 6:30pm **Online Collaboration: Understanding It, Picking It, and
Making It Work in the Workplace**
Charles Roth [Half Moon]

6:30pm – 7:30pm **Bringing the Web to America**
Paul Kunz [Half Moon]

15-Sept MONDAY (Juneau)

8:30am – Noon **More Than You Ever Wanted to Know About Filesystems**
Ted Ts'o [Wajang]

8:30am – Noon **Practical Security Log Management**
Mick Bauer [Rembrandt Lounge]

8:30am – Noon **LPI Certification**
The Pritchard's [Captain's Corner, Crows Nest]

1pm **Arrive Juneau**

6pm – 10:30pm **Juneau Pub Crawl**
(includes a *mighty-fine* dinner in Juneau's best restaurant)
(\$75 per person)

11pm **Boat departs from Juneau**

16-Sept TUESDAY (Hubbard Glacier)

8:30 – 11am **Paranoid Penguin's Choice: Outstanding Linux Security Tools**
Mick Bauer [Wajang]

8:30am – 11am **Learning and Using C for Programming Linux**
Greg Haerr [Rembrandt]

8:30am – 11am **LPI Certification**
The Pritchard's [Half Moon]

11:30am **Group Photo**
Everyone [Bow of Ship]

1:30pm – 1:45pm **Individual Photos with the Speakers**
All Speakers [Half Moon]

2pm – 3:30pm **C Programming Tricks of the Trade**
Greg Haerr [Half Moon]

3:45pm – 5:30pm **MySQL: Yesterday and Today**
David Axmark [Half Moon]

2pm – 5:30pm **Linux in Your Pocket**
Bruce Perens [Rembrandt]

2pm – 5:30pm **LPI Certification**
The Pritchard's [Captain's Corner, Crows Nest]

6pm – 7pm **Speed-Start Your Linux App with IBM**
Ian Shields [Half Moon]

7pm – 8pm **Fortune 500 Domination**
Doc Searls [Half Moon]



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http://www-106.ibm.com/developerworks/offers/linux-speed-start/?S_TACT=103AMW52&S_CMP=geekcruise

*Changes are inevitable

17-Sept WEDNESDAY (Sitka)

- 7am **Arrive Sitka**
- 6pm **Boat departs from Sitka**
- 6pm – 7:30pm **Musings, observations, and the vicissitudes of managing Linux; burning questions; and frank answers.**
Linus Torvalds [Half Moon]

18-Sept THURSDAY (Ketchikan)

- 7am **Arrive Ketchikan**
- 1pm **Boat departs from Ketchikan**
- 1:30pm – 5pm **Introduction to Python**
Guido Van Rossum [Half Moon]
- 1:30pm – 5pm **Learning Perl (Part 1 of 2)**
Randal Schwartz [Rembrandt]
- 1:30pm – 5pm **LPI Certification**
The Pritchard's [Captain's Corner, Crows Nest]
- 5:30pm – 7pm **Linux Databases**
David Fetter [Half Moon]
- 7pm – 8pm **The Linux Lunacy Quiz Show — win fabulous prizes!**
Stephen Oualline [Half Moon]

19-Sept FRIDAY (Cruising the Inside Passage)

- 8:30am – Noon **Common Linux Vulnerabilities and Their Ramifications**
Mick Bauer [Wajang]
- 8:30am – Noon **Using Fonts in Linux Applications**
Keith Packard [Rembrandt]
- 8:30am – Noon **LPI Certification**
The Pritchard's [Captain's Corner, Crows Nest]
- 1:30pm – 5pm **Designing Great Shared Libraries**
Ted Ts'o [Rembrandt]
- 1:30pm – 5pm **Application Development with Python**
Guido Van Rossum [Half Moon]
- 1:30pm – 5pm **LPI Certification**
The Pritchard's [Captain's Corner, Crows Nest]

5:30pm – 6:15pm **CONFERENCE WRAP UP & Speaker Q&A**
All Speakers [Half Moon]

6:15pm – 7pm **"Whose Geek is it Anyway?"**
(The Geek version of Who's Line Is It Anyway. An audience participation comedy show for everyone, including civilians.)
Stephen Oualline [Half Moon]

8pm **Arrive Victoria, BC**

9pm – 10pm **Victoria Linux Users Group hosts Linux Lunacy**
Transportation Provided!
Open to All [On Shore in Victoria, BC]

Midnight **Boat departs from Victoria, BC**

A Few of the Evenings' Entertaining Lectures ...

Fortune 500 Domination

Speaker: Doc Searls

We all know *why* Linux is a huge hit in large corporations all over the world. But do we know exactly *how* Linux is quietly taking over? Who are the guerilla heroes, undermining clueless entrenched IT practices and departments? What internal development practices are cutting out not only Microsoft, but expensive outside consultancies as well? Doc will tell us true stories — both scary and entertaining — that will bring hope to the hearts of Linux experts working deep in the IT mines of companies doomed for lack of the clues that will save them.

Speed-Start Your Linux App with IBM

Speaker: Ian Shields

In this talk, Ian will give an overview of the state of Linux at IBM and introduce you to the free evaluation CD kit of IBM software for developing Linux applications. He will also introduce you to the online resources available at <http://www.ibm.com/developerworks/speed>.

Bring the Web to America

Speaker: Paul Kunz

On December 12, 1991, Paul Kunz installed the first Web server outside of Europe at the Stanford Linear Accelerator Center. Before it made sense for Tim Berners-Lee to invent the Web at the CERN laboratory, there had to a number of ingredients in place. Paul will present a history of how these ingredients were developed. He will emphasize the role the academic and Open Source communities had in producing them. In particular, he will address the role played by big science, including high energy physics, in giving us the World Wide Web and the Internet as we know it today.

SPEAKER PROFILES

David Axmark, one of the founders of MySQL AB, was involved with the MySQL database well before it had a name. David now writes MySQL code and documentation, and he promotes the database at conferences and other venues throughout the world. David has worked as a consultant and software developer for nearly 20 years. Interested in free software since the early '80s, David is committed to developing a successful business model through open source software.

Mick Bauer, Security Editor of Linux Journal, is an information security consultant for Upstream Solutions, Inc. in Minneapolis, Minnesota. He is lead author of Linux Journal's monthly "Paranoid Penguin" security column, and author of the book *Building Secure Servers With Linux* (O'Reilly & Associates, Oct. 2002).

Mick's areas of expertise include Linux security and general Unix security, network (TCP/IP) security, security auditing, and the development of security policies and awareness programs.

David Fetter has worked in the San Francisco Bay Area for the past six years in various dotcoms, non-profits and educational institutions including Match.com, bravekids.org and the UC Berkeley Extension. He has worked extensively with Oracle, PostgreSQL, MySQL, Perl, PHP, PL/SQL, PL/PgSQL, vi and ErWin on large transaction processing systems, some of them with hundreds of thousands of page views per day, others designed for world-wide use. He has also been called in to solve critical database problems on extremely aggressive schedules, usually with much success.

In his free time, he does ceili dancing, brews beer and mead, rides his bicycle and helps run several organizations for computer professionals including the San Francisco Perl Users' Group and the San Francisco Wireless Users' j.

Gregory Haerr is the founder and CEO of Century Software, www.centurysoftware.com, a leader in UNIX connectivity solutions, and Century Software Embedded Technologies, a leading developer of core technologies for the worldwide embedded Linux applications market. Greg also founded and maintains the Microwindows Project, an open-source project dedicated towards providing a modern graphical windowing environment for embedded Linux systems. An expert UNIX and Windows programmer specializing in operating systems, interpreter, and graphical windowing system designs, Greg earned a degree in Computer Science from the University of California, San Diego in 1980.

Paul Kunz received his Ph.D. in Physics from Princeton University in 1968 and first went to CERN that year to do an experiment. He joined Stanford in 1974 where he has been ever since. There he has been responsible for a number of computing related innovations. In the late '70s, he designed his own processors and put together perhaps the first successful computing cluster which he called a "farm." In the early '90s, he did remote CVS from which our current client/

server CVS is derived. He is the founder of GNUStep, but he is no longer active in that project. Since 1995, he has been teaching an 18 hour C++ for Particle Physicists course which he has given 68 times to over 2,200 students around the world.

Keith Packard has been a member of the XFree86 core team for the last few years, building a new rendering system for X applications. He is employed by Hewlett-Packard working at the Cambridge Research Laboratory in Massachusetts. Formerly at the MIT X Consortium, he has worked with the X window system since 1986.

Bruce Perens is best known as the creator of the Open Source definition. He is:

- An outspoken representative of the Free Software community, working for and with a number of non-profit organizations.
- An independent consultant helping corporations work with Free Software.
- A senior scientist of the Cyber Security Policy Research Institute, helping to incorporate Free Software into our national security policies and infrastructure.
- Series editor of the *Bruce Perens' Open Source Series*, book line for Prentice Hall publishers.

Charles Roth is the designer of "Caucus", a partly open-source conferencing/forum/collaboration tool, and the founder of CaucusCare.com. (A variety of online communities, including Howard Rheingold's BrainStorms, The MetaNet, ECHO, and the Santa Monica PEN have used Caucus as their platform. Caucus business customers have included IBM, HP, British Telecom, and the U.S. Government.) Along the way he's become an expert on collaboration software, and what software and cultures make a group or a community effective ... or not.

Charles and Caucus are veterans of many transitions: from text-only to the web, from the portability/proprietary-OS wars of the '80s to *nix everywhere, and from small business to dot-com/dot-bomb madness (and back again). With **Doc Searls** he co-wrote the BuzzPhraser (www.buzzphraser.com). Charles can code in Fortran, 360 assembler, Snobol, PL/1, Algol, C, Javascript, Java, Perl, and Python ... not to mention DEC-10 Macro, PDP-11 assembler, FLEX, APL, Net.Data (ugh), and x86 assembler.

Charles also teaches English country dance, has played a child psychologist, a senile Roman, and a rabid fundamentalist on the stage, *and taught Cap't Neil, in the early '70s, how to program.*

Randal L. Schwartz is a two-decade software industry veteran & skilled in software design, system administration, security, technical writing, and training. He coauthored the "must-have" standards: *Programming Perl*, *Learning Perl*, *Learning Perl for Win32 Systems*, and *Effective Perl Programming*, as well as writing regular columns for WebTechniques and UnixReview magazines. Since 1985, Randal has owned and operated Stonehenge Consulting Services, Inc.

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Currently researching Linux technology for the developerWorks Linux zone, **Ian Shields** is a Senior Programmer at IBM at the Research Triangle Park, NC. He joined IBM in Canberra, Australia, as a systems engineer in 1973, and has since worked on communications systems and pervasive computing in Montreal, Canada, and RTP, NC. Ian now works on IBM's Speed-start your Linux app program, assisting developers to get started with Linux. His undergraduate degree is in pure mathematics and philosophy from the Australian National University. He received an M.S. in computer science from North Carolina State University, where he is now pursuing a Ph.D.

Doc Searls is Senior Editor of Linux Journal, and covers the business front for the magazine. His monthly column is Linux For Suits, and his bi-weekly newsletter is SuitWatch. Many additional pieces appear on the Linux Journal Web site under Doc's byline.

Doc is also famously a co-author of *The Cluetrain Manifesto*, a landmark business bestseller. *Cluetrain*, subtitled The End of Business as Usual, made the New York Times, BusinessWeek, and Borders bestseller lists (among many others), and was the #1 Sales & Marketing bestseller at Amazon.com for thirteen months. It still sells very well in nine different languages, and has become part of the business canon. Much of the inspiration for *Cluetrain* came out of Doc's work with Linux Journal covering Linux in the business world.

With a highly varied background (among other things he was a funny guy on the radio, which is the source of his nickname), Doc is much sought after as a speaker. His talk during last year's Linux Lunacy was one of the most well-received, even though it was also one of the least geeky. This year's topic, Infrastructure, lays out the trials and successes of Linux in the business world.

Theodore Ts'o has been a Linux kernel developer since almost the very beginnings of Linux — he implemented POSIX job control in the 0.10 Linux kernel. He architected and implemented Linux's tty layer, and works with Stephen Tweedie on the ext2/3 filesystem. Outside of the kernel, he is also a the maintainer of the e2fsck filesystem consistency checker, and the other ext2/3 filesystem utilities. Theodore is a founding board member of the Free Standards Group, which is responsible for promulgating the Linux Standards Base. Theodore is current employed by IBM's Linux Technology Center.

Guido van Rossum is the creator of Python, one of the major Open Source scripting languages. He created Python in the early 1990s at CWI in Amsterdam and is still actively involved in the development of the language. In 1995, he moved to the US where he lived and worked in Northern Virginia until July 2003. He recently moved to California where he now works for Elemental Security in San Mateo, a startup creating enterprise security software founded by world-renowned security expert Dan Farmer. In November of 2001, his wife Kim gave birth to their son Orlijn, giving them much joy and distraction.

Group Photo, Bow of ship, Tuesday, 11:30am sharp!

Individual Photos — with the Speakers!

Tuesday, 1:30pm sharp!

Half Moon Room

**Impress your friends ... hell, make 'em jealous.
Show them your photo with the Lunacy speakers!**

A Couple More of Our Evening Lecture Series ...

Linux Databases

Speaker: David Fetter

At some point in every project, you need some kind of persistent store for structured data. But before you jump and buy Oracle or download MySQL, attend this seminar! The speaker has seen a lot of projects where people made poor choices of database management systems which caused the projects to fail, deadlines to slip by years, and/or budgets to be exceeded by millions of dollars. In this seminar you'll learn:

- What a database management system is.
- What SQL is.
- What a relational database management system is.
- The ups and downs of MySQL, Postgres, and Oracle.
- How to determine which database product best suits your situation.
- What developers and DBAs can do to help one another.
- Some marvelous database project failures — what they should have known to avoid disaster.
- How to walk around the space — it's a minefield unless you know what you're doing.
- Some useful tools and techniques.

Online Collaboration: Understanding It, Picking It, and Making It Work in the Workplace

Speaker: Charles Roth

The dot-com roller coaster is over, and the "groupware" and "C(ollaborative)-commerce" hype is dust. Now let's see what people are *really* doing with online collaboration.

It's not document sharing, it's not calendars, it's not scheduling. It is about shared creation of knowledge, information, and (most importantly) consensus.

How do you build a new design document, together? How do you really share knowledge without everyone having to know everything? How do you thrash out group decisions without spending the entire day in meetings?

Well, you can't do it all online, any more than you can drive your car up the stairs to your office. But the technology *can* and *does* help — a lot.