



Makerspace Urbana

Part of an Ecosystem of Independent Tech Innovation

Aug. 2013

The Economist



“The maker movement could change how science is taught and boost innovation. It may even herald a new industrial revolution”

<http://www.economist.com/node/21540392/>

The Maker Movement

Market for tech. - early adopters, kits, products

Resource for independent innovation and R&D

Community for learning and exploration



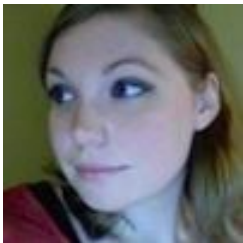
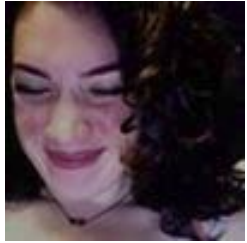
Heroic Entrepreneurs and Inventors



Limor Fried
Lady Ada



Grassroots of Hackers & Makers



What is a hacker?

"A hacker, in the original sense of the term is a person who takes things apart to learn about them, rebuild them and improve them."

-Kelly MacNeill



Steve Jobs and Steve Wozniak in 1975 with a "Blue Box".



RANDOM DATA

By Robert Reiling

Computer clubs continue to form around the country...E. Brooner would like to have material to help him get started with the "Flathead Computer Society" in the Kalispell area. His Address is P.O. Box 236, Lakeside, Montana 59922.

Did you see the SOL terminal demonstrated by Bob Marsh at the Sept. 1st meeting? An excellent design that will interest hobbyists and commercial users alike. It's available from Processor Technology, 6200 Hollis St., Emeryville, CA 94608. Write them for prices and specifications.

The OSI Systems Journal has been sent to all OSI customers (free—at least for the time being). It's a bi-monthly magazine with plans to go monthly in the future. There are 28 pages in the first issue (August 1976, Vol. 1, No. 1) with a hardware feature covering the OSI 440 Video Graphics System and software, features concerning Tiny BASIC for the 6800 and a Graphics Editor for the 6502. It also includes OSI product and software catalog data. The BASIC is, of course, the 2K Tiny BASIC developed by Tom Pittman. Many of you have met Tom at the Homebrew computer Club meetings. The OSI Systems Journal is a good way to learn more about the OSI computer hardware and software along with helpful user information. The contact address is: The OSI Systems Journal, P.O. Box 134, Hiram, Ohio 44234.

KIM-1 users now have a newsletter. Eric Rehnke is producing the newsletter every 5-8 weeks. MOS Technology, Inc. helped get it started by sending copies to all known KIM owners. The user group, however, is independent of MOS Technology, Inc. The newsletter is devoted to KIM-1 support. Subscriptions are \$5.00 for the next six issues. Contact "KIM-1 User Notes," c/o Eric C. Rehnke, Apt. 207, 7656 Broadview Rd., Parma, Ohio 44134.

The BAMUG club has a new contact address. It is BAMUG, c/o Timothy O'Hare, 1211 Santa Clara Ave., Alameda, CA 94501. Write Timothy for club information. I suggest you include a stamped, self-addressed envelope.

Beware of board snatchers! Glenn Ewing reports 11 boards were taken out of his IMSAI computer. The boards are: MPU, 4 RAM-4's, SIO-2, P10-4, PIC-8, PROM-4, IFM and FIB. Glenn suggests you consider providing good security for your computer and associated equipment. In his case the computer was in a locked office which was burglarized. In the event you

have information on the above boards, write Lt. Glenn Ewing, Code 62E1, Naval Post Graduate School, Monterey, CA 93940.

For family and friends of people who always wanted to know about computers, but didn't want to ask them, four easy-going classes are available starting Oct. 19th on Tuesdays from 7 to 9 p.m. You can learn how computers work and what they can and can't do. You will also have some of the jargon deciphered, see what you can do with a computer, play some games and learn to program. The cost is \$25. Contact the Community Computer Center, 1919 Menalio Ave., Menlo Park, CA 94025, phone (415) 325-4444.

A call for papers in personal computing has been issued by the 1977 National Computer Conference. The conference is scheduled for June 13-16, 1977. I have a few copies of the guidelines if you would like to submit a paper.

The First West Coast Computer Faire will be held April 16 and 17, 1977 at the San Francisco Civic Auditorium. This faire is shaping up rapidly. If you would like to lead a conference or participate in a conference session, please contact me. More information about the Faire is in the accompanying article.□

THE FIRST WEST COAST COMPUTER FAIRE

A Call For Papers And Participation

The San Francisco Bay Area is finally going to have a major conference and exhibition exclusively concerned with personal and home computing—The First West Coast Computer Faire. And, it promises to be a massive one! It will take place in the largest convention facility in Northern California: The Civic Auditorium in San Francisco. It will be a two-and-a-half day affair, starting on Friday evening and running through Sunday evening, April 15-17.

It is being sponsored by a number of local and regional hobbyist clubs, educational organizations and professional groups. These include:

- The two largest amateur computer organizations in the United States—the Homebrew Computer Club and the Southern California Computer Society
- Both of the Bay Area chapters of the Association Of Computing Machinery—the San Francisco Chapter and the Golden Gate Chapter
- Stanford University's Electrical Engineering Department

What is a hackerspace?

“A hackerspace or hackspace (also referred to as a hacklab, makerspace or creative space) is a location where people with common interests, often in computers, technology, science, digital or electronic art (but also in many other realms) can meet, socialise and/or collaborate. Hackerspaces can be viewed as open community labs incorporating elements of machine shops, workshops and/or studios where hackers can come together to share resources and knowledge to build and make things.”

-Wikipedia (so it must be true)

Makerspaces around the world.



Source http://hackerspaces.org/wiki/List_of_Hacker_Spaces

Makerspace / hackerspace

“A hackerspace is thus a part of at least two types of community, one constituted locally through everyday practice in physical spaces and another simultaneously imagined at a larger (international) level.”

Andrew Schrock

What is Makerspace Urbana?

Makerspace Urbana is dedicated to enabling the blend of arts, humanities, science and technology. Our mission is to provide an open community lab where people of diverse backgrounds can learn, teach, tinker, collaborate, share, innovate, socialize, and create.

Makerspaceurbana.org



Fun stuff we do



Urbana-Champaign Mini Maker Faire®

Saturday, September 21, 2013
10AM-4PM

Independent Media Center,
202 S. Broadway, Urbana



2013 Mini Maker Faire

ucmakerfaire.com



Some of our Projects

- 3d printing: classes on use, design
- Microelectronics and microcontrollers
- Software and computer security
- Sewing and crafting
- Mesh routers and computer networks
- Beer brewing, pewter casting
- Your next cool project!

Makerspace Urbana



<http://makerspaceurbana.org>

Open Hours Wednesdays 7-9.



Summer Make-a-tion: This Saturday, Aug 24

11am Home Router Hacking

3pm Arduino Robotics

**Urbana-Champaign Mini
Maker Faire®**

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More Resources & Information

Maker ProNewsletter <http://makezine.com/category/maker-pro/>

Investigating the growth and influence of professional Makers

by Mike Loukides, in O'Reilly Radar, February 21, 2013

<http://radar.oreilly.com/2013/02/professional-makers.html>

Can chip companies profit off the maker movement? TI is betting on it

By Stacey Higginbotham, Apr. 23, 2013

<http://gigaom.com/2013/04/23/can-chip-companies-profit-off-the-maker-movement-ti-is-betting-on-it/>