

# The Embedded Muse 34

---

Editor: Jack Ganssle ([jack@ganssle.com](mailto:jack@ganssle.com))

April 13<sup>th</sup>, 1999

You may redistribute this newsletter for noncommercial purposes. For commercial use contact [info@ganssle.com](mailto:info@ganssle.com).

EDITOR: Jack Ganssle, [jack@ganssle.com](mailto:jack@ganssle.com)

## CONTENTS:

- Embedded Seminar in Baltimore/DC
- Programming Resources on the Net
- Thought for the Week
- About The Embedded Muse

## Embedded Seminar in Baltimore/DC

I'll present the seminar "The Best Ideas for Developing Better Firmware Faster" in the Baltimore/DC area on May 12, 1999.

The focus is uniquely on embedded systems. I'll talk about ways to link the hardware and software, to identify and stamp out bugs, to manage risk, and to meet impossible deadlines. If you're interested reserve early as these seminars fill completely.

For more information check out <http://www.ganssle.com> or email [info@ganssle.com](mailto:info@ganssle.com).

A lot of folks have asked me to bring this seminar to their company. Email me at [jack@ganssle.com](mailto:jack@ganssle.com) if you're interested.

## Programming Resources on the Net - Take

### 2

In the last issue I gave some links to code and other resources available on the net, as I feel we're all busily re-inventing the wheel.

Several readers came back with additional links. Here they are, and thanks everyone!

(Note: the entire set of the links are at [www.ganssle.com/links.html](http://www.ganssle.com/links.html)).

*Copyright 2003 by The Ganssle Group. All Rights Reserved. You may distribute this for non-commercial purposes. Contact us at [info@ganssle.com](mailto:info@ganssle.com) for more information.*

From Fred Cady:

<http://www.geocities.com/ResearchTriangle/1495/> - The EE Compendium: Home of Electrical Engineering and Embedded System Programming

<http://www.rasmicro.com/> - Roger's Embedded Microcontrollers Home Page

<http://www.troubleshooters.com> - Lots of neat hints about debugging systems

<http://www.ultracad.com/tech.htm> - App notes for creating circuit boards for high speed systems

<http://www.sigcon.com> - This is Dr. Howard Johnson's home page. High-speed Digital Design, a Handbook of Black Magic. On the site you can sign up for his email newsletter (Editor's note: this is the best book ever on high speed design)

<http://www.eg3.com/index.html> - EG3 provides information on embedded, realtime, DSP (digital signal processing), Board-level (PC/104, VME, STD, CompactPCI)

<http://www.realtime-engineering.com/> - Articles and information on real-time systems

<http://www.pc104-embedded-solns.com/> - Embedded Solutions Magazine - PC/104 embedded systems

<http://www.microcontroller.com> - "Resources for the Professional Embedded Developer" site features links and information on everything from cores to development tools. You'll also find downloads for freeware/shareware, links to conferences and, of course, your favorite engineering comedian: Dilbert.

From Andre Felipe Machado:

<http://www.geocities.com/ResearchTriangle/Forum/1353/> - A retargettable compiler

<http://mazzola.iit.uni-miskolc.hu/~drdani/embedded/> - A simulator for 51 and another compiler

From Daniel Mathieu:

<http://www.wotsit.org/> - This site contains \*\*\*file format information on hundreds of different file types\*\* and all sorts of other useful programming information; algorithms, source code, specifications, etc.

From Thomas Niemann:

[http://members.xoom.com/thomasn/s\\_man.htm](http://members.xoom.com/thomasn/s_man.htm) - Sorting and searching algorithms.

*Copyright 2003 by The Ganssle Group. All Rights Reserved. You may distribute this for non-commercial purposes. Contact us at [info@ganssle.com](mailto:info@ganssle.com) for more information.*

From Sara Killingsworth:

sourceware.cygnum.com - All sorts of programming resources from the GNU folks.

## Thought for the Week

5 surgeons are taking a coffee break...

1st surgeon says: "Accountants are the best to operate on because when you open them up, everything inside is numbered."

2nd surgeon says: "Nah, librarians are the best. Everything inside them is in alphabetical order."

3rd responds: "Try electricians, man! Everything inside THEM is color coded."

4th intercedes: "I prefer lawyers. They're heartless, spineless, gutless and their heads and their butts are interchangeable."

To which the 5th surgeon, who has been quietly listening to the conversation, says: "I like engineers... they always understand when you have a few parts left over at the end."

## About The Embedded Muse

The Embedded Muse is an occasional newsletter sent via email by Jack Ganssle. Send complaints, comments, and contributions to him at [jack@ganssle.com](mailto:jack@ganssle.com).

To subscribe, send a message to [majordomo@ganssle.com](mailto:majordomo@ganssle.com), with the words "subscribe embedded *your-email-address*" in the body. To unsubscribe, change the message to "unsubscribe embedded *your-email-address*".

The Embedded Muse is supported by The Ganssle Group, whose mission is to help embedded folks get better products to market faster. We offer seminars at your site offering hard-hitting ideas - and action - you can take now to ***improve firmware quality and decrease development time***. Contact us at [info@ganssle.com](mailto:info@ganssle.com) for more information.

*Copyright 2003 by The Ganssle Group. All Rights Reserved. You may distribute this for non-commercial purposes. Contact us at [info@ganssle.com](mailto:info@ganssle.com) for more information.*