

Jacobsen Declaration Exhibit AA

KAM

Model Railroad Computer

Control

(How I am going to write my Train Program)

**Matt Katzer
Portland, Or.**



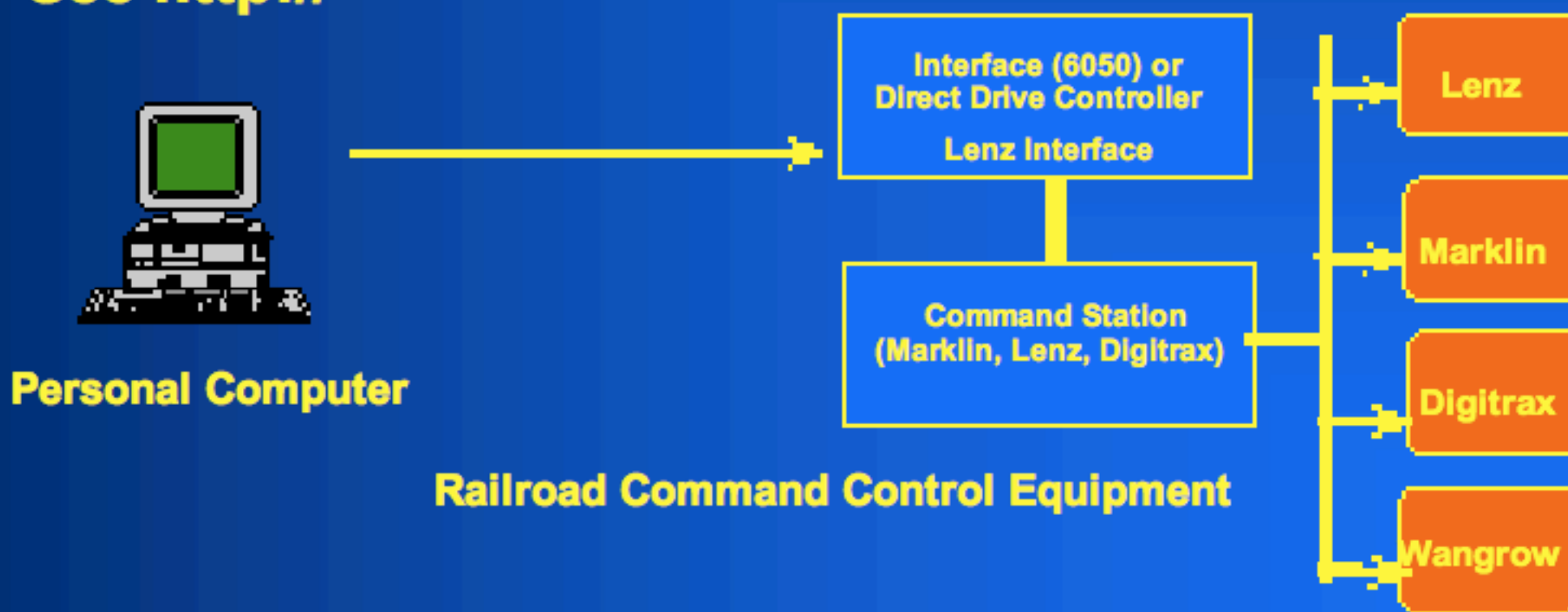
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Web Server
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Railroad Requirements

- **Must have NMRA DCC compatible engines**
 - either a Horn, Digitrax, Lenz, Digitrax or Wangrow, or old Marklin DC system
- **Two type of interfaces supported**
 - PC/mac compatible serial interface (9.6K)
 - Direct drive support via command station
 - See <http://>



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Command Control Software

Three classes of products available

- Mac & Apple
- MS-DOS
- Microsoft Windows

MS-DOS examples

- Marklin shareware apps
- Basic program examples
- Digpert/Digplus II

Microsoft windows

- Engine-Commander
- WinLok
- and soon others as well



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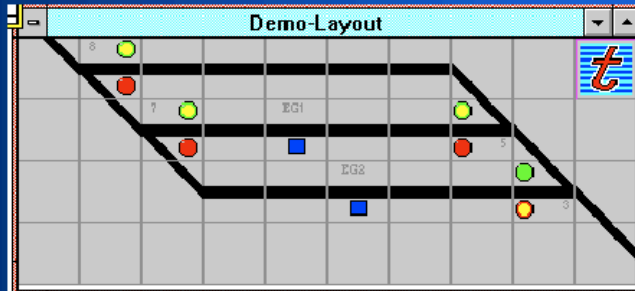
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WinLock

Design to support Marklin Controllers

- draws from the German railways operation
- supports visual layout display
- multiple user throttles
- integrated acceleration curves

European design/tradeoffs



Engine-Commander™

Built on a modular philosophy

- users can add complexity at their own pace
- simulation interface is include to help other programmers

Good user documentation

- explains the Marklin, Digitrax, Wangrow and Lenz interface in detail

Manual and Sensor control flexibility

- logical to physical mapping of engines/switches
- maintains engine and switch history between sessions



Serial Interfaces supported

- **Marklin 6050/6023 interfaces on AC and DC boosters**
- **Lenz LI-100**
- **Digitrax, Wangrow serial Interface**
- **NMRA serial interface**

NMRA controllers

- **Direct drive support for Marklin boosters**
- **Direct drive support for NMRA extended packet format**

Protocol windows for software development



http://ourworld.compuServe.com/homepages/John_Kabat/

John Kabat's Sunnysville, Linda Junction & Key...

File Edit View Go Favorites Help

Address: http://ourworld.compuServe.com/homepages/John_Kabat/

See about our LOCONET FOR DOS [Contest!](#)

NOTICE: May 23, 1996 - Contest Dates have changed! See the [Contest Page](#)

We Have a Winner for April: [David Koch](#) For his [THROTTLE.BAS](#) program. Congratulations Dave!

What's New

- May 29, 1996 - New version of [LOCONET](#) - changed expiration date to October, 1996!
- Mar 23, 1996 - Changed closing dates of contest.
- May 7, 1996 - A new update of [LOCONET](#) - bug fixes and better COMM and IRQ detection. **UPDATED**
- April 30, 1996 - We are having problems with EMAIL here at my home site - Please use jkabat@netcom.com or 74111567@compuserve.com. Anyone who raised the contest please let us know!
- April 23, 1996 - I have added a [LOCONET for DOS FAQ](#)
- Find out about the NEW [LOCONET Software Contest](#) **!!!!!!** Rules updated March 18, 1995



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Other DCC web pages..

DCC Hardware

<http://www.lenz.com>

<http://www.digitrax.com>

<http://www.wangrow.com>

<http://www.tttrains.com/tttrains/dccdiv.htm>

DCC Software:

<http://kam.rain.com>

[http:// ourworld.compuserve.com/homepages/John_Kabat/](http://ourworld.compuserve.com/homepages/John_Kabat/)

DCC information

<http://www.tttrains.com/dcc/>

<http://www.mcs.net:80/~weyand/nmra/>

<http://www.mcs.net/~dsdawdy/NMRA/dcc.html>

<http://www.tttrains.com/tttrains/>

