

JOE BAUER *Work Samples*

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Current Project: Pearson Proposal Text

The following writing sample is a portion of a table I wrote to summarize the advantages and features of Pearson software for high-stakes testing.

Test Delivery System	
Common Online Testing Requirements	Pearson Solution
Security	
Test content must be secure from interception during transfer and storage.	All TestNav test data are encrypted on a Pearson server and remain encrypted in transit and on the caching server. The TestNav system decrypts the test items only in the temporary memory of the student's testing computer. Any <<STATE_NAME>> data intercepted would be completely indecipherable.
The interface must not enable students to cheat in any way. The test delivery system must prevent saving, sending, or receiving any data while testing.	The TestNav system puts the testing computer on "lockdown," also known as "kiosk mode." No functions other than testing are enabled. TestNav security is engineered to prevent access to locations and actions unrelated to the test: <ul style="list-style-type: none">▪ The desktop▪ Cut, copy, and paste functions▪ Any other applications▪ Messaging and email▪ Printers▪ Screen capture

The proposal section below was a pleasure to write because the product leads teachers directly from an assessment report to individually targeted curriculum.

Turning Assessment into Action

Oklahoma will have individually targeted instructional resources based on each student's test results. Perspective™ from Pearson uses OCCRA student responses to provide feedback and learning resources that target the student's specific areas for remediation and enrichment. An Individual Student Report is a detailed look into the student's strengths and weaknesses, but translating that into instruction has typically fallen to the teacher.

Schools using Perspective have web-based individualized resources for prescriptive action. Perspective enables Oklahoma teachers to create assignments for individual students or by learning groups. Content codes provide access without a login or account, and Perspective is intuitive, fast, and free of charge to Oklahoma students, families, and teachers. Perspective runs on mobile devices and on Windows and MacOS operating systems.

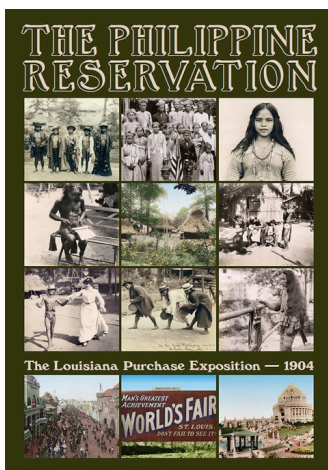
Marketing Writing & Design: Micky's Irish Pub & Grill

Freelance work for Micky's Irish Pub & Grill included a new website, an active Facebook page, a name change, and targeted ads that boosted sales even more than expected.



Graphic Design: Old Capitol Museum

In the basement of Old Capitol in Iowa City is a charming museum featuring original exhibitions. I contracted to create display artwork and a pamphlet for a show about the Filipinos who lived in an exhibit at the 1904 Louisiana Purchase Exposition in St. Louis.



News Writing & Editing: The Gazette

Having worked as a reporter and desk editor at a Texas newspaper, I was The Gazette's first webmaster in 1995. A one-person operation, I daily selected, edited, and coded the first two months of the site before McLeod made me an offer.



OHIO STATE 56, IOWA 35

Buckeye blitzkrieg ends it early at OSU

Oct. 28, 1995: Ohio State 56, Iowa 35

PHOTOS
By Chris Stewart and Lisa Powell,
Gazette staff photographers

STORIES

[It's 56-0 before Iowa scores: 56-35 when it's mercifully over](#)
By Jim Ecker, Gazette sportswriter

[This blowout best forgotten](#)
By Mike Hlas, Gazette sports columnist

[1st-half message more than plenty](#)
By Jeff Dahm, Gazette sportswriter

[Understatement, by George: 'Our best half all season'](#)
By Jeff Dahm

[No mystery to it: 'Blew us off field'](#)
By Jim Ecker

[Lowlights, insights](#)
By Mark Dukes, Gazette sports editor

- [How They Scored](#)
Scoring summary
- [Iowa-Ohio State box score](#)
Statistics
- [Oct. 28, 1995: Cozy in Columbus](#)
OSU's Cooper finally finds a comfort zone
By Jim Ecker
- [Oct. 28, 1995: Powerful Buckeyes await Iowa](#)
Fry's Hawkeyes hurting for tilt at Columbus
By Jim Ecker
- [Oct. 27, 1995: It's Slutzker's shot at Ohio State dramatics](#)
By Jim Ecker
- [Oct. 26, 1995: Ohio State's Hoying putting up big stats](#)
Joins George in Heisman watch
By Jim Ecker
- [Oct. 25, 1995: Just how good is Ohio State?](#)
By Mike Hlas

Technical Writing & Editing

During five years in Austin during the 1990s, I wrote and edited computer-industry magazines, and then onscreen computer manuals for IBM.

Executive Information Systems

UNISYS WORLD

May 1991 An Independent News Monthly for Unisys System Users Volume 12, Number 5

Inside

- Focus on EIS:
 - An expert panel on EIS: [EIS Roundup](#) p. 20
 - EIS Roundup: [EIS Roundup](#) p. 24
 - EZSPEC/DARGAL on EIS: [EIS Roundup](#) p. 26
 - EIS integrates with DAMS: [EIS Roundup](#) p. 28
 - MAPPER as an EIS: [EIS Roundup](#) p. 39
 - Spring LIDE customer coverage: [EIS Roundup](#) p. 18

Unisys debuts CASE/4GL plan, products

Unisys on April 10 announced its CASE/4GL strategy for the future in addition to six major new products and more than 10 enhancements to existing CASE/4GL tools.

The new strategy, called Advanced Solution Development Framework (ASD Framework), spells out how Unisys will deliver key components of the Unisys Architecture and tie together its key CASE/4GL products. It also addresses the issue of 3GL application coexistence and migration in this new "advanced solution development" environment.

Mary Bahar, director, Unisys Corporate CASE Center, said ASD Framework was designed to provide a roadmap for delivering a complete, integrated set of advanced solution development capabilities. It includes a guiding set of principles for development, spells out how integration will occur, and how application development and integration might be facilitated by an associated set of business-oriented solution development tools and consulting services (see Figure 1).

New products announced include: the long-awaited LINC Development for U Series and MAPPER for MS-DOS; a work-

Reto Braun elected president and **Bitstream Speeds fonts**

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libm2.a (POWER2)

The **libm2.a** library provides statically linked, hardware-specific replacements for the **sgpt** and **lbrinc** subroutines. These replacement subroutines make use of hardware-specific instructions on some RISC System/6000 models to increase performance.

Note: Use the hardware-specific versions of these subroutines in programs that will run only on models of RISC System/6000 that support hardware implementations of square root and conversion to integer. Attempting to use them in programs running on other models will result in an illegal instruction trap.

General-use **sgpt and **lbrinc** Subroutines**

The general-use version of the **sgpt** subroutine is in the **libm.a** library. The **sgpt** subroutine computes the square root of a floating-point number.

The general-use version of the **lbrinc** subroutine is in the **libm.a** library. The **lbrinc** subroutine converts a floating-point number to integer format.

POWER2-specific **sgpt and **lbrinc** Subroutines**

The **libm2.a** library contains the following subroutines:

- **sgpt**
- **lbrinc**
- **lbrinc**
- **lbrinc**

The subroutine names with leading underscores are used by the C and Fortran compilers. They are functionally identical to the versions without underscores.

For best performance, source code that computes square roots or converts floating-point numbers to integers can be recompiled with the **libm2** or **libm** command using the **-usepower** compiler option. This option enables a program to use the square-root and convert-to-integer instructions.

See **Ordered Descriptions of the AIX C Compiler Options** for more information.

To use the hardware-specific subroutines in the **libm2.a** library, link it ahead of the **libm.a** and **libc.a** libraries. For example:

```

aix -b -o prog prog.o -lrad -la
OR
aix -b -o prog prog.o -lrad
OR
aix -b -o prog prog.o -lrad -la
OR
aix -b -o prog prog.o -lrad
OR
aix -lrad prog.o -lrad
OR
aix -lrad prog.o -lrad

```

Related Information

The **libm** subroutine, **sgpt** subroutine.