

# CPS Computer Support Annual Report (2000-2001)

## Accomplishments

### ❑ *Training/Workshops*

1. **MS FrontPage 2000**  
<http://cps.uwsp.edu/support/PC/FP2000/>
2. **Programming Assistance:** Provided sample code and discussion for AIS staff regarding the use of COM+ services and programming techniques. Setup a simple application that demonstrates the basic functionality and interactions between COM+ and Internet Information Services (IIS). Assisted and answered development questions.
3. **Individualized:** Provided one-on-one training with faculty/staff on a walk-in basis.

### ❑ *Web Page*

1. **Health Promotion & Human Development (Redesign/Makeover)**  
<http://www.uwsp.edu/hphd/>



Before



After

**Note:** Site is not currently active. HPHD department is adding content.  
<http://www.uwsp.edu/hphd/dev/>

### ❑ *Self-Development*

1. **Photoshop-Conference:** Attended a two-day workshop on Adobe Photoshop in Green Bay, WI. Learned new tips and tricks for optimizing graphics and gathered beneficial resources.
2. **COM+ Technology:** Self-taught and experimented with a new development technology available with Windows 2000. This technology allows web developers to create scaleable, dynamic and reusable code. With COM+ development, there is a little bit of additional background work required but the performance benefits and ease of use greatly outweigh the costs. All current and future projects will be using this technology.
3. **.NET Technology:** Attended a conference and began experimenting with Microsoft's new development movement called .NET. The .NET movement is pushing the idea of "software as a service". The .NET technology is also the next generation for Active Service Pages, COM+ and ADO.

## ❑ **Web Applications**

### 1. **Support/Upgrade**

A considerable amount of time was spent supporting and updating previously created applications. This includes bug fixes or backend updates to increase performance or add features.

### 2. **Backend (DLL) Development (COM+)**

Developed a series of COM+ objects that simplify data access and retrieval from various database systems. In addition, created a library of code that is commonly used for web interactions and control.

- **AIS Data Objects** – Encapsulated the code and logic required to interface with AIS data. The use of COM+ allows us to leverage existing code and logic, which will produce shorter development times and reduced costs. In addition to being used by CPS, the source code was distributed to AIS and served as a model/framework for their new web development.
- **ASP Objects** – Simplified input and output logic related to web site interaction. Controls the formatting of text and other display issues as well as controlling form input. In addition to being used by CPS, the COM+ objects are being tested and used by Tyler Peelen (UWSP Web Portal project, etc.)
- **Question/Answer System** – Handles basic question/answer types of data collection. Plans are to expand and use this technology in future systems: Online Survey, Online Testing and Registration.

### 3. **UWSP Online Grade Book v3.0**

<http://cps.uwsp.edu/gradebk/>



**Requestor:** School of Education (Bill Kirby)

*This is currently a work in progress.*

*This is the third version for the online Grade Book. The goal of the new version was for real-time integration with AIS information/data. This will reduce the setup & workload required for me each semester to get faculty setup. The new system allows for advanced copying features and supports enhanced export functionality. An added bonus is the ability to delegate control of a class to*

*other users so they can help manage grades and assignments.*

**Technology:** SQL Server 7.0, Oracle Databases, COM+ Services, MS Internet Information Server - Active Server Pages (JScript)

❑ **Web Applications** (Continued)

4. **UWSP Logon Account Management System (ULAM)**

<http://ulam.uwsp.edu/>



**Requestor:** Information Technology (Bruce Staal, Debbie Smith)

*This is currently a work in progress.*

*In order to facilitate the new goals of the University regarding increased password and user security, a system needed to be developed to simplify password management that was cross-platform. The system includes a reusable and flexible question/answer*

*based system that can be used by students to default their own password. We hope that by allowing students to help themselves, we can reduce some of the calls to the helpdesk. In addition the system provides administrative controls for Information Technology Staff and Students to assist with password related issues.*

**Technology:** SQL Server 7.0, Oracle Databases, Active Directory Services (ADSI), COM+ Services, MS Internet Information Server - Active Server Pages (JScript)

5. **CPS - Online Registration System**

<https://cps.uwsp.edu/register/>



**Requestor:** Employee Wellness (Anne Abbott)

*Completed work previously requested. Employee Wellness required a method to gather and validate information that they use for event registrations. Since this concept may possibly have a broader range of application than just Employee Wellness, it was developed as an open-ended system to allow the online creation of event, followed by the registration process. Security features allow users to set access rights into the system and display reports for registered users. An additional option includes*

*the ability to export the contact information (name and address) as a Comma Delimited List that can be imported directly into MS Outlook to assist in creating mailing and distribution lists.*

**Technology:** SQL Server 7.0, MS Internet Information Server - Active Server Pages (JScript)

❑ **STAR (Support for Technology Applications & Repairs) Team**

1. **Group Meetings**

*The STAR team gathered as a group to collaborate and share ideas once per month. I also used this time to notify team members of possible IT changes or problems that they might encounter and how to resolve them.*

2. **Personal Meetings**

*We set aside one hour every month to meet on an individual basis to cover unique needs that might not be addressed by the group meetings.*

3. **Training**

❑ **Other**

1. **Information Technology Helpdesk**

*Helped faculty/staff and students resolve computer related problems and answer questions both on and off campus.*

2. **Computer Upgrades**

*Provided guidance to departments regarding new upgrades and equipment.*

3. **Grants**

*Provided guidance to departments regarding technology requirements for grants and proposals.*

4. **Department Server**

*Upgraded department server to Windows 2000 OS for maximum compatibility and performance with University network.*

## What's Next?

□ **Projects**

Please review the attached project status report for a complete listing of current and requested projects.

1. **UWSP Online Grade Book**

*Finish adding requested features. Features still waiting for development include: Excel export, Comment addition, Views and Improved Display (Grading).*

2. **Communicative Disorders – Clinic Hour Reporting System**

*Update Eleanor Brush's current Paradox database with technology supported by Information Technology. The system tracks a student's lab/clinic hours to verify that they meet certification hours and requirements.*

3. **CPS Personnel/Management System**

Update existing RBASE database with technology supported by Information Technology. System will manage Tenure information for faculty and provide basic budget information for summer session classes and activities.

□ **Training**

Offer a training session on Adobe Photoshop tips and tricks before the end of the current semester. Additional training will be scheduled but training content and materials are unknown at this time.

□ **STAR Team**

The STAR team has been going very well in my opinion. It has helped free some of my time to work on various projects. I plan on continuing to work with them to develop and refine their skills. This will be accomplished through continued meetings and training sessions.

# Project Status

Legend	
	Hold
	Waiting/Pending
	In Progress

Priority	Approx. Time	Department	Project/Task
	40 Hrs	MED TECH	<p><b>MED TECH Web Site Redesign</b></p> <p>Before work can begin, we need Susan Raab to identify existing sites that she likes. We can pattern the Medical Technology web site after these sites. Create the basic outline and structure and allow MED TECH department (students?) to finish the details.</p>
			Waiting On User Input
	320 Hrs <i>(Summer)</i>	EDUC	<p><b>EDUCATION Student Management System</b></p> <p>Integrate the various education databases into one centralized system. Components include: Testing results, Pre-registration, Student Teaching, and Graduate Advising. The system will track a user from start to finish through the program so that a detail history and progression can be reviewed and quickly retrieved.</p>
	80 Hrs	COM DIS	<p><b>Hearing Aid Database</b></p> <p>Develop hearing aid database for David Henry to enter data and provide analysis tools for quality assurance and tracking. System will use SQL server for backend data storage to provide maximum security for the data and provide raw data access for use by Excel, Word, SPSS or any ODBC aware application.</p> <p>Initial work was done but the user provided insufficient information to provide proper direction. User is developing/refining process.</p>
			Waiting On User Input
	60 Hrs	COM DIS	<p><b>Clinic Timesheet/Reporting Database</b></p> <p>Update Eleanor Brush's current Paradox database with technology supported by Information Technology. The system tracks a student's lab/clinic hours to verify that they meet certification hours and requirements.</p>
	40 Hrs	UWSP	<p><b>Online Grade Book</b></p> <p>New system put online this semester. Data is directly accessed through AIS for current student information and course listings. The following features still need to be implemented.</p> <ol style="list-style-type: none"> <li>1.) Improved export capabilities</li> <li>2.) Addition of assignment comments</li> <li>3.) Implementation of views</li> <li>4.) Addition of multiple due dates for assignments</li> </ol>
			In Progress
	120 Hrs	Dean's Office	<p><b>CPS Personnel Management/Tenure System</b></p> <p>Update existing RBASE database with technology supported by Information Technology. System will manage Tenure information for faculty and provide basic budget information for summer session classes and activities.</p>

<div data-bbox="342 264 703 348" style="border: 1px solid black; padding: 5px; text-align: center;"> Waiting For New Technology  (Microsoft .NET &amp; ASP+)  <i>(2<sup>nd</sup> Quarter 2001)</i> </div>	100 Hrs	Dean's Office	<b>CPS Development/Management Database</b> Develop supplement system to Razor's Edge to assist in recruitment, management and delegation of activities for potential donors. Planned system will provide optional email reminders about outstanding tasks. Provides centralized management of CPS donors that is viewable by others in the system to maximize productivity and reduce wasted time and resources.
	10 Hrs		<b>G.P.A. Calculator Update</b> Update the original GPA Calculator so that it can retrieve current class lists from AIS and simplify the data entry process for students.
	60 Hrs	Information Technology	<b>ULAM (UWSP Logon Account Management)</b> Add additional management and user control features for IT use.
	100 Hrs	College	<b>Online Survey</b> Modify the original web based survey system to facilitate the creation and management of online surveys for use by anyone.
	50 Hrs	College	<b>Online Testing/Quiz</b> Originally requested by Scott Frazier. This system would allow teacher to create quizzes online that could free up precious class time. Extensive security features and tracking options have been requested for this system.
	40 Hrs	College	<b>Adobe Photoshop Training</b> Provide web-training course for all CPS faculty and Staff. A brief outline of the course goals: <ul style="list-style-type: none"> <li>• Tips and techniques for working with graphics</li> <li>• Creative text effects</li> <li>• Creating borders and other special effects</li> </ul> Most of time for this project involves PREP time getting the course setup, organized and providing reference materials.
		College	<b>CPS Alumni Database</b> Work is currently halted on this project. We need to tie into the Alumni Relations system or workout an update routine between our system and theirs.