

# News Report

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## *The First Kellogg Mini-grants Awarded*

The first mini-grants awarded through the Center for the Advancement of Teaching were approved by the Internal Grants Committee. The following faculty received grants for the summer and fall:

**Marguerite Giguette (Comp Science)**  
Dr. Giguette's mini-grant will fund improving the instruction of Computer Science 1710 and Computer Science 1720. Presently, these two courses are taught as lecture only. A student "hands-on" approach is needed so that students can effectively write programs and develop the design.

**Elizabeth Sampson (Comp Science)**  
Ms. Sampson will implement three changes in the Computer Science curriculum. First, she will develop a course in Systems Design. A second goal is to restructure the current Systems Analysis course, changing its focus to that of a lead course in a two-course sequence. The third goal is to purchase and implement the use of a computer-aided software engineering (CASE) tool to accompany the two courses.

**Racquel Mesa (Mathematics)**  
Dr. Mesa will examine skills and knowledge objectives in the math courses in the core curricula in light of recent data analysis of the sophomore competency scores. She hopes to be able to make recommendations to the faculty for curriculum revision and learning strategies that may improve student math scores.

**Ieva Politzer (Chemistry)**  
**Kathleen Crago (Chemistry)**  
The goal of their project is to improve the curriculum of Qualitative Organic Analysis by incorporating computer-

enhanced learning tools that expose the students to new educational experiences and technological methods. Tutorial programs will be designed for use on PC computers and computer driven instruments enhancing the laboratory experience.

## *Recipients of Kellogg Fellowships*

**Ms. Beth Baldwin - ENGL 2010,**  
World Literature I

**Dr. Robert Berman - PHIL 2300/**  
2300HL, Ethics/Health Ethics

**Dr. Stephen Duplantier - MSCM 1120**  
Intro. to Media Writing

**Dr. Vincent Giannamore - CHEM**  
2210, Organic Chemistry I

**Dr. Merle Harris - EDUC 2070, Hist.**  
and Philosophical Fndts in Educ.

**Sr. Juliana Haynes - MUSH 2000,**  
Music Appreciation

**Dr. Sheri Hoem - ENGL 2010, Intro.**  
To World Literature I

**Dr. John Humphrey - PHIL 1030,**  
Great Books In Philosophy

**Mr. Akhtar Jameel - CPSC 2730,**  
Data Structures



**Dr. Steven Poulos - MATH 2030,**  
Elem. Linear Algebra

**Dr. Timothy Ross - CHEM 2220,**  
Organic Chemistry II

**Dr. Jonathan Rotonda-McCord - HIST**  
1030, World Civilization to 1500

**Dr. Susan Spillman - French 2010,**  
Intermediate French I

**Dr. Todd Stanislav - Biol 3110 Genet-**  
ics and Biol 3110LB, Genetics Lab

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## Center for the Advancement of Teaching

# Tech Talk

If you want to create multimedia courseware that your students can use in Xavier's multimedia computing labs, you'll need to use authoring software. Here's a brief overview of two of the most popular packages: Multimedia ToolBook for Windows and HyperCard for the Macintosh.

ToolBook and HyperCard are remarkably similar programs: the only significant reason for choosing one rather than the other is a preference for Windows over Macintosh or vice-versa. In ToolBook, the author creates "pages" that are collected into a "book;" in HyperCard, the author creates "cards" that are collected into a "stack." One can put text, graphics, photographs, sounds, animations, and videos on a page or card, and both programs provide intuitive design tools that make laying out these elements very easy indeed.

Without pedagogically sensible links between pages or cards, one has a multimedia mish-mash. Both programs allow the author to use an English-like scripting language to provide those links. In ToolBook, for example, the author would attach the following script to a button that the student could press to go to a set of exercises related to the topic on the current page:

```
to handle buttonUp
  go to page "Exercises"
end buttonUp
```



The HyperCard equivalent would be this:

```
on mouseUp
  go to card "Exercises"
end mouseUp
```

The scripting languages make it easy to create paths that are taken only when certain conditions are met. For example, the author may want to prod the student to review a topic when a certain incorrect answer is given to a multiple-choice question. Here's the ToolBook script:

```
to handle AnswerB
--The student selected (b).
  request "Do you know what
    'deconstruction' means?"
  with "Yes" or "No"
--Put up the question and
--'Yes' and 'No' buttons
  if it is "No"
    go to page "Deconstruction"
  end if
end AnswerB
```

Sometimes the built-in scripting language isn't powerful enough to do exactly what the author wants to do. ToolBook and HyperCard therefore allow the experienced programmer to utilize special-purpose functions written in other languages. Moreover, future versions of both programs will be "object containers," which means that authors will be able to incorporate a variety of commercial software components into their own programs.

If you'd like to author multimedia instructional software for one of your courses, consider using ToolBook or HyperCard. No matter how limited your computer experience may be, you'll be able to do the basic layout and linking yourself, and the power and flexibility of the programs will allow us to customize your software to best meet the needs of your students.



## Multimedia Summer School

All courses meet from 2:00 - 4:30 P.M. in Room 224B of the library. Please call Tracy Obia at x7512 to register. Please call David Eatman at x7636 if you have questions or if you would like to take a class but cannot during the scheduled times.

**Classroom Presentations with Power Point for Windows and Macintosh (4 days)**

- **May 31 - June 3**  
or  
**July 5 - July 8**

**Developing Courseware with Multimedia ToolBook for Windows (5 days)**

- **June 6 -10**  
or  
**July 11-15**

**Developing Courseware with HyperCard for Macintosh (5 days)**

- **June 13-17**  
or  
**July 18-22**

# Center for the Advancement of Teaching

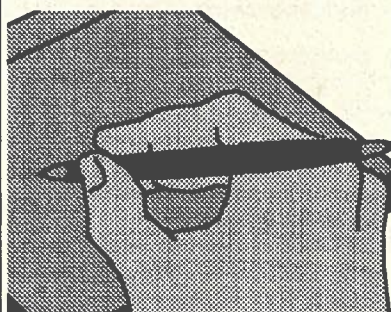
## XU Xavier University Partnership Schools Announced

The Center for the Advancement of Teaching is pleased to announce the establishment of partnerships with the following Schools in the Orleans Parish School System:

- Mildred Osborne Elementary School
- P.G.T. Beauregard Middle School
- McDonogh #35 High School



The Center and the partnership schools will cooperate in the development of teacher training curricula, grant writing to improve multimedia facilities at the target schools, the production of multimedia instructional materials, and the investigation of other means of improving pedagogy. The facilities and expertise of the Center will be available to all faculty of the partnership schools. Future issues of the Newsletter will identify the initial cooperative projects of this newly formed community learners.



### Director's Corner

Since January 1, 1994, when I became the Interim Director, I have had a number of faculty ask what the Center is intended to do. The main focus of the Center for the Advancement of Teaching is its commitment to advancing the art of teaching-at ALL levels-in a technological age. A brochure describing the Center's programs and planned facilities should reach your mailbox soon.

This "inaugural" edition of the Center's newsletter is also designed to inform the Xavier community about the activities of the first four months. This and future newsletters will also include events beyond the Center. We'll tell you about opportunities for faculty development and exchange such as the NYU Faculty Resource Network programs, about new teaching software and print publications that might be helpful and a host of other items that are dedicated to teaching.

Now is an exciting time to be a teacher. From the intercultural exchange offered through the increasing popularity of Internet to opportunities offered through such develop-

ments as interactive video, CD-ROM's, multimedia software for classroom presentations and computerized anatomy and logic courses, teachers have a wider array of teaching tools than ever before.

One only has to read *The Chronicle of Higher Education* with some regularity to see how technology is affecting higher education. With some institutions such as Drexel University experimenting with asynchronous networking as an alternative to in-class instruction, it is evident that there are economic considerations as well.

The Center for the Advancement of Teaching will make technological teaching tools available to Xavier and partnership-school faculty. But the focus will be on teaching and pedagogy and it will be important to discuss both the philosophical and pedagogical implications of technology as we move toward the 21st century.

*Elizabeth Benson*

## Center for the Advancement of Teaching

### **Xavier Faculty Off to New York !**

Eight Xavier Faculty have been selected to participate in the New York University Faculty Resource Network 1994 summer programs.

**Elizabeth A. Barron**, Asst. Vice-President for Academic Affairs and Director of the Center for Teaching will attend the "Multimedia Seminar Series" from June 6-8. Dr. Barron will remain in New York for the Liaison Officers Meeting on June 10.

**Margaret H. Eskew**, Associate Professor and Director of the Center for Intercultural Studies has been selected as a Scholar-in-Residence. Dr. Eskew will be working to complete her book on the rhetoric of Adolph Hitler. **F. Todd Smith** and **Du Bois Williams**, Assistant Professors in the departments of History and Psychology respectively, have been invited to participate as Honorary Scholars-in-Residence. Both Dr. Smith and Dr. Williams attended Network programs in 1993.

**Dr. Ieva Politzer**, Professor, Chemistry, **Ms. Kathleen Crago**, Assist. Professor, Chemistry and **Dr. Royal Saunders** Asst. Professor, Biology will attend the Molecular Biology Series from June 5 -11 . Politzer and Saunders are also returning for the second year. Instructor **Patrice Melnick** (English) will be attending the Expository Writing Seminar June 6 - 10.

### **Faculty Opportunities**

NEH Study Grants for College and University Teachers offer support for college and university teachers to undertake independent study to increase knowledge of their own disciplines or related disciplines, to enrich their understanding of the humanities, and to

pursue intellectual projects that will inform their teaching. Awards are made for intensive study rather than for research intended primarily for publication. These grants provide \$3,000 for a six-week, period beginning anytime between May 1 of the award year and August 1 of the following year. The application deadline is August 15.

### **For More Information:**

Applications for the Faculty Resource Network University Associates Program for fall 1994 and spring 1995 are due May 30, 1994. Materials and information can be obtained from the Center for the Advancement of Teaching by calling Tracy Obia at x7512.

*This News Report is the publication of the Xavier University Center for the Advancement of Teaching. Director, Elizabeth A. Barron, Ph. D., Publishing Editor, Tracy D. Obia*

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