Release:   Immediately                                                9/29/87

NOTE TO EDITORS/NEWS DIRECTORS: Attached to this story is a list of some of
the specific demonstrations planned for the computing expo.

CONTACT: Cliff Gillman (608) 262-3095/263-5896

COMPUTING PROWESS OF COLLEGE PROFS ON DISPLAY AT SOFTWARE EXPO

MADISON--Seventy-two college professors from throughout the U.S. will

demonstrate state-of-the-art academic computing Sunday (Oct. 4) in a one-day

Instructional Computing Expo at University of Wisconsin-Madison.

The expo is the first of three regional conferences sponsored by IBM

during the current school year. It is free and open to the general public. The

next expo will be in November at the University of California-Berkeley, while

the third is set for March at Princeton, N.J.

"The idea is for people to come and see what 72 top college faculty

members think is some of the better instructional software," said Clifford

Gillman, director of UW-Madison's Academic Computing Center. Gillman said the

UW-Madison expo will have a decidedly Midwestern flavor with more than 50 of

the 72 presenters coming from UW-Madison (32), the University of Illinois at

Champaign-Urbana (11) and University of Minnesota, Twin Cities campus (9).

About 20 universities will be represented.

The expo will run from 10:30 a.m.-5:30 p.m. at the Wisconsin Center, 702

Langdon St.

UW-Madison was selected to host the regional expo in part because of its

leadership in promoting development of instructional software, Gillman said.

-more-

More than 300 UW-Madison faculty are currently involved in software development projects. More than 200 of those are working on 109 projects that are part of an $8 million, three-year grant from IBM. The grant for "Project Trochos" was awarded to UW-Madison in December 1984 to foster innovative use of computers in the classroom.

The grant involves the donation of computer equipment for use by faculty working on software development projects. IBM has provided equipment for about 3,000 such projects at 19 universities nationwide.

Gillman said most of the 72 presenters will demonstrate programs the entire day on subjects ranging from music and meteorology to medicine and animal physiology.

Five special tutorial sessions also scheduled during the day. They include:

-- A presentation by Gillman on Project Trochos and the software that has been developed by its participants.

-- A presentation on video disk technology, showing some current classroom uses and possible future uses.

-- A presentation on the Information System for Advanced Academic Computing (ISAAC), a national electronic bulletin board and several databases available to university and college faculty.

-- A presentation about Compact Disk, Read-Only Memory (CD ROM), a massive memory bank that permits computerized storage of large volume items such as dictionaries.

-- A presentation on Wisc-Ware, a new UW-Madison project intended to foster low-cost distribution of instructional and research software developed at colleges and universities. Wisc-Ware presently offers about 53 instructional software packages to 22 participating U.S. universities.

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--Patrick Dorn (608) 262-2650

IBM EXPO
Topic samples

EDITOR'S NOTE: The following is a brief sampling of instructional software
systems that will be demonstrated at the computing expo this Sunday (Oct. 4).
The listing is organized according to subject area.

## EDUCATION

G. E. Stelmach, UW-Madison      Computers in physical education

M. J. Streibel, UW-Madison      Computers as intelligent tutors: MENDEL.

## LIFE SCIENCES

M. E. Pitterle, UW-Madison      Quality assurance review
simulation.

L. A. Spomer, U of Illinois      A novel approach to teaching biological concepts using image analysis.

## ENGINEERING

A. Vonderhoe, UW-Madison      Instructional lab, spatial data acquisition.

S. Patankar, U of Minnesota      Microcomputer software for heat transfer education.

## PHYSICAL SCIENCES

P. M. Pauley, UW-Madison      Computer applications in synoptic meteorology.

S. Smith, U of Illinois      Videodisc simulations in chemistry.

P. F. Schatz, UW-Madison      Simulating use of chemistry instruments for student training.

## SOCIAL SCIENCES AND ARCHITECTURE

R. W. Henderson, U of Illinois      Tools for psychology labs.

G. L. Duke, U of Minnesota      Systems development for an experimental markets lab.

B. D. Kieffer, UW-Madison      Integrating visual and historical analysis with architectural design.

## HUMANITIES

B. C. Benward, UW-Madison      Computerized music instruction through real-time melody harmonization.

R. Wakefield, U of Minnesota      Listening comprehension in German.

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--Patrick Dorn (608) 262-2650

COMPUTER PROGRAM GIVES MANAGERS A CHANCE TO LOOK AT THEMSELVES

MADISON--Stress, change, conflict, organization, being nice, and loving it all.

That's what being a manager is about, but sometimes it doesn't work out that way--especially the part about loving it.

There are tests that can measure management ability, including the ability to cope, but they can be lengthy, tedious and expensive. A quicker, more enjoyable and free test will be available, however, to managers or potential managers who attend the I-94 Connection Fair Wednesday (April 16) in Milwaukee.

They'll get the chance to try a prototype computer program by University of Wisconsin-Madison management Professor Randall B. Dunham that tests a wide range of management aspects, including conflict behavior, stress, attitudes toward change, job design and satisfaction.

The I-94 fair, at the Red Carpet Hotel and Convention Center, 4747 S. Howell Ave., is free and will run from 9 a.m. to 7 p.m. Sponsored by Wisconsin Electric Power Co., it will feature 69 exhibits, 20 of them from UW-Madison.

Dunham's program runs on a personal computer and asks a variety of questions to test different aspects of management and work. It compares the responses to national averages and can print out a graph of the comparison.

Options range from an opportunity to test your boss's leadership ability -- or your own -- to the chance to see if you really can alphabetize or edit a letter better than your secretary. It examines eight aspects of job design and job satisfaction as well as five attributes of conflict behavior and change.

About 1,000 students have used the program so far in Dunham's management classes. In addition, Dunham won a $2,500 School of Business curriculum grant this spring to develop a computer-aided instruction program in management that keys to a textbook and uses both test and tutorial material.

<center>###</center>

-- Joseph H. Sayrs (608) 262-8290

*Distributes Computers*

CONTACT: Catherine J. Shinners (608) 263-4864


BIG TEN WANG COMPUTER USERS' CONFERENCE EXPECTED TO DRAW MORE THAN 200

MADISON--The fourth Big Ten Wang Users Conference, scheduled at University
of Wisconsin-Madison May 21-23, is expected to draw between 200 and 300 people
for programs on how to manage office automation, according to organizers.

Keynote speaker will be Peter McElroy, director of product planning for
Wang Laboratories. His talk is scheduled at 9:30 a.m. Thursday, May 21, in the
State Historical Society Auditorium, 816 State St.

While begun by users of Wang equipment within Big Ten universities, the
conference is open to other private and public Wang users. Fees are $70 for
three days and two lunches, and $25 for UW staff members who want to attend
one day's sessions. Registration information is available from Pat Gaitan,
Wisconsin Center, 702 Langdon St., Madison 53706, telephone (608) 262-1397

Program organizer Catherine J. Shinners said the first conference, held at
Wisconsin in early 1983, drew about two dozen people. Attendance doubled at a
meeting the next fall in Ann Arbor, Mich., and doubled again last spring at
Bloomington, Ind. Response to this spring's conference has been "primarily
(from) educational institutions," she said, "although we have had a smattering
of corporate interest."

Wisconsin Center workshops will includes topics such as word processing,
list processing, security, office design, personal computers and laser
printing. A number of non-Wang vendors are expected to have displays, she said.

Additional program information is available from Shinners at 4291 Computer
Sciences and Statistics Building, 1210 Dayton St., Madison 53706, telephone
(608) 263-1864

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-- Joseph H. Sayrs (608) 262-8290

# note

4/8/83   jhs

About 500 college educators have registered to attend a one-day workshop April 14 (Thursday) at the Sheraton Inn, Madison, on one of the hotter topics in education today, "Microcomputers in Undergraduate Education."  Included on the program are Dean David Bray of Clarkson College and Vice-Provost Douglass Van Houwelling of Carnegie Mellon University; both campuses are insisting that each of their students have their own personal computer.  Also speaking will be Jim Johnson, former director of CONDUIT, a college consortium to test and review instructional software.  There will be two dozen other presentations on a variety of topics.

Coverage is welcome and those interested are encouraged to call event chairman Charles W. Hutchins of UW-Madison's  Academic Computing Center at (608) 262-2016 for background and information on the sessions.


--University News Service

Release:   Immediately                                      2/16/83  sd


CONTACT:  Susan Disch or Nancy Gebert (608) 262-2115


UW-MADISON TO OFFER COMPUTER FEST '83 FOR SECONDARY GRADE STUDENTS

MADISON--Six one-week sessions of computer education will be offered to students in grades 7-12 during the University of Wisconsin-Madison's Computer Fest '83 Program, June 20-Aug. 5.

Differentiated instruction will be provided for secondary students with varying computer experience, and most student work will be done on the Atari 800 computer.  Students have the option of living in a campus dormitory or commuting to campus on a daily basis from home.

Initiated last summer, UW-Madison's Computer Fest received a 1982 merit award for most creative and innovative noncredit program from the North American Association of Summer Sessions.

Persons interested in more information about Computer Fest '83 can contact Mary Gomez, Enrollment Coordinator, Wisconsin Summer Computer Fest, UW-Madison Department of Curriculum and Instruction, 225 N. Mills Street, Madison, WI 53706, telephone (608) 263-6987.

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Release: Immediately                                    2/9/83  sd

CONTACT:  Susan Disch or Nancy Gebert (608) 262-2116

COMPUTER CLASS OFFERED TO ELEMENTARY STUDENTS

MADISON--A pair of three-week sessions in computer education for Dane County area elementary students in grades 1-6 will be offered this summer during the University of Wisconsin-Madison Computer Fest '83 Program.  The sessions will run from June 20-July 8 and July 18-Aug. 5.

Designed to meet the demand for computer literacy in the school curriculum, the sessions will include computer programming, use of instructional computer programs, computer-related activities, and field trips to computerized facilities.  Some parent-child sessions will be available for children in grades 4, 5, and 6.

Applications for the program will be accepted on a first-come, first-served basis.  For complete information contact Mary Gomez, Enrollment Coordinator, Wisconsin Summer Computer Fest, UW-Madison Department of Curriculum and Instruction, 225 N. Mills Street, Madison, WI  53706, telephone (608) 263-6987.

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# feature story

CONTACT:  M. Vere DeVault (608) 263-5141

(Photo available)

ADULTS, NOT KIDS, AWED BY COMPUTERS, EDUCATOR SAYS

MADISON--Children are capable of amazing feats at the computer terminal, and many take it all in stride, a University of Wisconsin-Madison educator said this week.

It's the adults who often have trouble in confronting a computer, said M. Vere DeVault, professor of curriculum and instruction.

"Newness is a part of children's lives," noted DeVault.  "The things we adults see as marvelous, such as computers, are more or less taken in stride by most children."

Adults, said DeVault, are likely to fear they'll damage the computer or embarrass themselves when they use it.  He added that it can be an unsettling experience for adults to see how some children can easily handle the same experience.

A recent Computerfest on the UW-Madison campus was an experience many of the participating children calmly sailed through, DeVault explained.

"When it comes to an event like Computerfest, the awe is definitely on the part of the adults," said DeVault.

About 560 children, ranging in age from high school to pre-school, took part in Computerfest.  They did everything from compose music to learn computer languages.  Some also wrote their own programs, and DeVault said the level of performance was surprising.

"We had developed workbooks that were designed to last the whole session," said DeVault.  "We had some young students, with no previous computing experience, who went beyond those workbooks."

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Release: **Immediately**                                          7/1/82  dls

CONTACT:  Mary Brady (608) 262-6966

COMPUTERS FOR HANDICAPPED TO BE WORKSHOP FOCUS

MADISON--The latest advances in computer technology to aid disabled
individuals will be demonstrated and evaluated Thursday and Friday (July 8-9)
during a workshop at the University of Wisconsin-Madison's J.F. Friedrick Center.

The workshop is the first in a national series sponsored by the American
Association for the Advancement of Science with support from the National Science
Foundation.

The workshop will bring together engineers, educators, researchers,
manufacturers, therapists, disabled people and parents of the disabled.

With the help of computer technology, disabled individuals are making
significant advances in communication, education and employment, said workshop
organizers.  Devices have been developed to aid the blind, vocally-impaired, and
even paralyzed individuals.

Advances will be underscored by speakers who are themselves disabled.
John Boyer, head of Computers to Help People Inc., Madison, is a deaf and blind
doctoral candidate in computer sciences at UW-Madison.  Margaret Pfrommer, a
consumer advocate research associate in Northwestern University's Rehabilitation
Engineering Program in Chicago, is almost completely paralyzed.

- most -

Workshop topics will include standard and non-standard software for handicapped users, language development of young handicapped children, and the future of computers for the disabled.

The workshop will be preceded Wednesday by a training course on computer applications for the handicapped intended to give hands-on experience in operation and programming.

The training course will be presented by the Trace Research and Development Center, a part of UW-Madison's Waisman Center. The Trace Center specializes in work with the severely communicatively handicapped.

Further information on either event is available from Mary Brady, project coordinator at the Trace Center, by telephoning (608) 262-6966.

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Release:  Immediately                                        6/24/82  jhs


CONTACT:  Vere DeVault (608) 263-5141


COMPUTER FEST WORKSHOPS AIM AT ADULTS WITH LITTLE EXPERIENCE

MADISON--A computer workshop for adults who know little or nothing about computers has been scheduled four times this summer by the School of Education at University of Wisconsin-Madison.

Each "Computer Fest '82" session runs four or five half-days, mornings or afternoons, with the first two slated July 6-9.  The second two are scheduled Aug. 2-6.  The four-day workshop in July costs $80; the five-day August workshop, $100.

Aimed at parents, teachers and people in business, the workshops are designed to provide familiarity and confidence in working with microcomputers, teach rudimentary programming in BASIC, and increase interest in microcomputers. The sessions also offer 1.5 Continuing Education Units of credit.

The workshops will be held on the UW-Madison campus, organizers said. More information is available by writing Computer Fest '82, UW-Madison School of Education, 225 N. Mills St., Madison 53706, or by telephoning Mary Gomez at (608) 263-5141 or 263-6987.


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Release: **Immediately**                                      6/17/82  jmn

CONTACT:  Suzanne L. Zemke or Janice Patterson (608) 263-4252

COMPUTERS IN THE CLASSROOM TO BE CONFERENCE TOPIC

MADISON--The second annual Microcomputers in Education Conference is expected to attract 600 elementary and secondary teachers from Wisconsin and northern Illinois to the University of Wisconsin-Madison campus June 26.

Teachers will learn from their colleagues the growing use of computers in the classroom.  Demonstrations will be given on instructional computing in music, social studies, communication arts, science and math.  Small group presentations will cover such topics as programming, software evaluation, teacher inservice and use of computers at classroom and district levels.

Scheduled speakers include Karen Sheingold, director of the Center for Children and Technology at the Bank Street College of Education, New York, and David Greene of Active Learning Associates, Palo Alto, Calif.

Teachers, administrators, UW faculty, students and parents are invited to attend the free conference sponsored by UW-Madison's Wisconsin Center for Education Research.  Morning speeches will be delivered at the Wisconsin Union Theater while group presentations will be conducted at the Wisconsin Center, 702 Langdon St.

Advance registration is encouraged but not required.

More information on the conference is available by contacting Suzanne Zemke or Janice Patterson at (608) 263-4252.

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# UW news

Release:  Immediately                                    4/15/82  jmn

CONTACT:  Janice H. Patterson  (608)  263-4200

UW-MADISON HELPS STATE SCHOOLS LEARN COMPUTER USE

MADISON--Half of Wisconsin's schools own at least one microcomputer but few have clear conceptions of how to use them to teach their students, according to Janice Patterson, program coordinator for the University of Wisconsin-Madison center for Education Research.

"There has been a lot of community pressure for schools to obtain computers," said Patterson.  "The technology initiative across the country is so strong that no one wants to be left behind."

But while they recognize the potential of computers in teaching, many schools are in the dark when it comes to knowing how to integrate them with classroom subjects Patterson said. "You've got a situation all over the state in which a school has bought a computer but wonders, 'Now what do we do?'"

To help answer the question, Patterson and other staff members of the Wisconsin Center for Education Research (formerly the Research and Development Center for Individualized Schooling) are orchestrating several ways of assisting schools, including:

--Workshops for students to learn about computer operation and simple programming techniques.  The sessions also permit center staff members to study how kids interact with computers and learn what types of  programs work best.

--The second annual Microcomputers in Education conference planned June 26 at the Wisconsin Center on the UW-Madison campus.  Geared for 100 people, last

- more -

year's conference had a show-up attendance of 350 with many others turned away. "This year we'll think bigger," said Patterson. The conference will include speeches by computer experts, demonstrations by teachers and software (programming) exhibits.

--"On Wisconsin Computing," a quarterly newsletter which Patterson edits to help put teachers who have computer experience in touch with those who don't. After distribution of only two issues, the newsletter's subscription list has swollen to over a thousand schools and individuals across the country and abroad.

--"So you Have a Microcomputer: What Next?," a soon-to-be-released book edited by Patterson which identifies computer-related issues and suggestions for the "computer-naive" teacher. A companion guide will list publications, organizations and individuals of interest to teachers who use computers.

--The Microcomputer Resource Center, established recently to provide computer training and information for the staff of the Center for Education and Research. The resource center hopes to offer Wisconsin teachers and administrators the opportunity to review software before purchasing it for their schools.

"In addition, we want to take existing software out to the schools to get feedback from the students themselves," said Patterson. "Typical educational software is written by computer programmers who usually know little about educational goals."

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Release: **Immediately**                                            4/1/82  jmn


CONTACT:  Casey Hurley (608) 263-5140


HIGH SCHOOL STUDENTS CAN LEARN COMPUTER CONFIDENCE AT UW-MADISON

MADISON--Junior and senior high school students throughout Wisconsin are invited to participate in Wisconsin Summer Computer Fest '82 at the University of Wisconsin-Madison.

Sponsored by the UW-Madison School of Education, Computer Fest aims to increase students' confidence in working with microcomputers, teach them programming skills, improve their logical thinking and provide computer instruction in school subjects.

"Computer literacy in today's world is as essential as reading literacy was a hundred years ago," said curriculum and instruction Professor Vere DeVault, chairman of Computer Fest's advisory committee.

Organizers are especially eager to have girls apply for the computer education program, according to DeVault.  "Not too long from now, computer competence will be required for admission to certain majors at the university level," he said. "Girls definitely should not assume that computers are not for them."  Computer Fest staff will be equally divided between men and women.

Instructors will include computer specialists in language arts, science, mathematics, music, art and social studies.

Students currently enrolled in grades 7-12 may attend any of the six one-week sessions offered:  June 21-25, June 28-July 2, July 5-9, July 19-23, July 26-30, and Aug. 2-6.  Participants in all sessions except July 5-9 will be housed in campus lakeside dormitories.

For more information on Computer Fest, students or parents may write Box 36, Education Building, 1000 Bascom Mall, UW-Madison 53706 or call (608) 263-5140.

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Release: **Immediately**                                    3/16/82 jmn

CONTACT: Casey Hurley (608) 263-5140

OPENINGS AVAILABLE IN COMPUTER FEST FOR YOUNGSTERS

MADISON--First, second and third grade students in Dane County still have a chance to sign up for openings in Wisconsin Summer Computer Fest '82 at the University of Wisconsin-Madison.

Computer Fest students will gain familiarity with microcomputers by exposure to basic programming, computer games, instructional computer programs and field trips to competerized facilities.

Instructors will include UW-Madison faculty, elementary teachers and graduate students with training in microcomputer instruction.

Students will meet for 15 half-day sessions over a three-week period. Openings are available in each of four sections: mornings or afternoons from June 21-July 9; mornings or afternoons from July 19-Aug. 6.

More information is available from local school principals.

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CONTACT:  Ellen Elms Notar (608) 262-1187

REGISTRATION SET FOR UW-MADISON COMPUTER FEST

MADISON--Registration is now open for Dane County students in grades 1-12 for Wisconsin Summer Computer Fest '82 at the University of Wisconsin-Madison.

Sponsored by UW-Madison's School of Education, Computer Fest will teach basic computer programming, computer games and simulations, use of instructional computer programs and will offer field trips to computerized facilities.

For primary and intermediate students, the program will consist of two, three-week sessions.  The first will run from June 21 to July 9 for first through third graders.  Fourth through sixth grade students are eligible for the July 19-Aug. 6 session.

Junior and senior high students will be offered six, one-week sessions: June 21-25, June 28-July 2, July 5-9, July 19-23, July 26-30 and Aug. 2-6.

Registration deadline for all students is Feb. 1.  Those interested in more information can contact their local school principal.

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FROM:   J. Casey Hurley (608) 263-5140
        Office of Continuing Education
        School of Education
        1000 Bascom Mall
        Madison, WI   53706

REGARDING:  The Wisconsin 1982 Summer Computer Fest

The Wisconsin 1982 Summer Computer Fest sponsored by the University of Wisconsin-Madison School of Education in cooperation with local school districts will be open to 240 students from throughout Wisconsin currently in grades 7-12.

The Computer Fest schedule for the summer of 1982 consists of six one-week sessions, June 21-25, June 28-July 2, July 5-9, July 19-23, July 26-30, and Aug. 2-6.

Two levels of computer centers with a variety of microcomputers, software, games, and simulations will involve students in activities where they can learn about about science, art, mathematics, music, social studies, language arts, and computer programming.  The junior high level of activities and instruction is planned for students currently in grades 7 and 8 while the senior high level is aimed at the interests and abilities of students in grades 9-12.

Computer Fest will be staffed by UW faculty, experienced secondary school teachers, and graduate students all of whom will be supported by a teacher/leader for every 10 students.

The fee for junior and senior high students is $280, which includes tuition, room and board for one week.  For more information and registration materials contact your local school principal or write to:

> Wisconsin Summer Computer Fest
> Box 36, Education Building
> University of Wisconsin-Madison
> Madison, WI   53706

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Release:  **Immediately**                                            7/8/81  jmn

CONTACT:  Janice Patterson (608) 263-1811

MICROCOMPUTERS IN EDUCATION IS CONFERENCE TOPIC

MADISON--Benefits and problems in using microcomputers to teach school
children will be examined at a day-long conference July 15 at the University of
Wisconsin-Madison Educational Sciences Building, 1025 W. Johnson St.

"Micocomputers in Education" will bring together teachers and researchers
to discuss the potential of computers in teaching basic skills.  Wisconsin teachers
will demonstrate how they use microcomputers in their instructional programs.

Keynote speakers will include David Moursund, University of Oregon, editor
of the journal "The Computing Teacher"; Daniel Watt, Massachusetts Institute of
Technology, who has developed techniques of teaching computer programming to
youngsters; Molly Watt, a school administrator experienced in using microcomputers
in schools; and Patrick Dickson, faculty associate at the Wisconsin Research and
Development Center here.

The conference, sponsored by the Wisconsin R & D Center, is open to
teachers, education administrators, University faculty and students.  To register,
call Janice Patterson at (608) 263-1811.

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MADISON--The third annual Computer Terminal Fair and Applications Symposium will be held on the UW-Madison campus Sept. 18-20.

Sessions at Union South will serve to educate and inform the educational community, governmental sector, and public about the capabilities and applications of computer terminals.

Sponsored by the Academic Computing Center on campus, the event will include an exhibition of keyboards, printers, display screens, recorders, couplers, terminals, and auxiliary devices.

Speakers will include:

Arthur B. Brauner, U.S. Forest Products Research Society; Charles Teeter, WARF Institute; Roy D. Tally, Wisconsin Department of Public Instruction;

Profs. John Nierengarten, UW-LaCrosse; Mike Meeker and James Schmidt, UW-Oshkosh; Morris Firebaugh, UW-Parkside; and from the Madison campus staff;

Profs. John H. Greist, psychiatry; James Tear, Clinical Cancer Center; Richard B. Friedman, Medical Center; Sherry Melvin, SCOR Project; Al Roberts, David C. Brown, and Fred Jacobson, Academic Computing Center; and John M. Jurist, Medical School.

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1849-1974: 125 Years of Searching, Teaching, and Serving at the University of Wisconsin-Madison