



**Rocky Mountain Section**  
Mathematical Association of America  
Newsletter  
March 10, 1989

Bill Emerson, editor  
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Denver, CO 80204

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## Second Announcement of the Annual Spring Meeting

The Annual Spring Meeting of the Rocky Mountain Section will be hosted by Fort Lewis College, Durango, Colorado on Friday, April 21 and Saturday, April 22, 1989. The Invited Speaker for the meeting will be Prof. Alan Schoenfeld, Associate Professor of Mathematics and Education and chairman of the Graduate Group in Science and Mathematics Education at the University of California, Berkeley. Prof. Schoenfeld's primary interests are in mathematical problem solving and in mathematics teaching in general. He is the author of Mathematical Problem Solving, Academic Press. He chairs the MAA Committee on the Teaching of Undergraduate Mathematics and is a member of the Committee on Computers in Mathematics Education.

Other guest lecturers include Robin Wilson and John Fauvel of the Open University in London. Robin will present a guest lecture with the title "Early American Mathematics". John will give a pair of sessions on "Teaching History of Mathematics to 3000 Students".

Possible topics for panel discussions at the meeting include the following:

- Accreditation of Departments of Mathematics
- Computers and Calculators in Calculus
- Mathematics Curricula for Elementary and Secondary Teachers
- Should Mathematicians Teach Statistics?
- Have You Hugged Your Physical Scientist Lately?
- Algebra-Precalculus:
  - who learns what and why?
  - who teaches what and how?
- Mathematics Curricula for Elementary and Secondary Teachers
- Choosing and Using Tests for Placement and Assessment

If you interested in being a member of one of the panels or wish to contribute a paper, please submit the registration form enclosed in this newsletter to the Co-Chairs of the meeting :

Ray Williams and Dick Walker, Co-Chairs  
Rocky Mountain Section Spring Meeting  
Department of Mathematics  
Fort Lewis College  
Durango, CO 81301

This year it is possible to preregister for the meeting using the form included in this newsletter. The regular registration fee for the meeting is \$10. However, if the preregistration form is received by April 1, 1989, the registration fee will be reduced to \$5. Lists of motels, maps of Durango and the campus and scheduling information will be mailed from Fort Lewis College during the first week of April.

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## Student Papers

We will continue our tradition of having student papers presented at the Annual Meeting. Student talks can be on research projects, problems they have solved, reports they have written or even summer employment. Please encourage students at your institution to present a paper at the Annual Meeting. (A few students presenting papers will be selected to receive MAA memberships.)

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## Future Meetings

1989 Meeting Fort Lewis College  
1990 Meeting University of Wyoming  
1991 Meeting ?  
1992 Meeting ?

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## News Items

Metropolitan State College. Prof. Pat Montague is on leave at Western Illinois University and Prof. Ron Whittekin is on leave at the University of Maryland program in Europe.

University of Northern Colorado. New tenure track members of our department are J. W. Chen (computer education) and Steven Leth (logic).

The major departmental activity this year has been the design of a new Ph.D. program in educational mathematics.

Papers, Panel Discussions, and Volunteers  
Return by April 1, 1989 to

Richard Walker (303)-247-7147 or  
Raymond Williams (303)-247-7249  
Mathematics Department  
Fort Lewis College  
Durango, Colorado 81301

Name \_\_\_\_\_ Address \_\_\_\_\_ Phone \_\_\_\_\_

Contributed Paper:

Title \_\_\_\_\_

Audio-Visual Needs \_\_\_\_\_ Student Session \_\_\_\_\_ Regular Session \_\_\_\_\_

Brief Description of Paper (continue on extra sheet if necessary):

Panel Discussions: I would like to serve on the following panel (please check):

\_\_\_\_\_ Accreditation of Depts of Mathematics

\_\_\_\_\_ Computers and Calculators in Calculus

\_\_\_\_\_ Should Mathematicians Teach Statistics?

\_\_\_\_\_ Have you Hugged your Physical Scientist Lately?

\_\_\_\_\_ Algebra-Precalculus

Who learns what and why?

Who teaches what and why?

\_\_\_\_\_ Mathematics Curricula for Elementary and  
Secondary Teachers

\_\_\_\_\_ Choosing and Using tests for placement and assessment

\_\_\_\_\_ Other (please specify) \_\_\_\_\_

Volunteers: My institution, \_\_\_\_\_, is interested in hosting the  
Annual Spring

Meeting in \_\_ 1991 or \_\_ 1992.



FORT LEWIS COLLEGE - SHORT COURSE  
DATABASE MANAGEMENT SYSTEMS

July 10-21, 1989

Fort Lewis College, Durango, Colorado

Dr. Gerry Litton, Associate Professor of Computer Science at the University of San Francisco will present the 1989 Fort Lewis College sponsored short course for Undergraduate College Teachers on Database Management Systems during the two weeks of July 10-21, 1989. The course will be held on the campus of Fort Lewis College. Professor Litton is the author of several texts in the field of database management including Introduction to Database Management - A Practical Approach and dBASE III Plus Hands-On - A Self-Guided Tutorial. His experience in the field of computer science spans 27 years including database design and implementation, microcomputer hardware and software and consulting primarily in the area of database management. Professor Litton received his PhD from the University of California at Berkeley in 1967 in Engineering Science and Mathematics. His teaching experience in computer science and particularly database management systems totals 14 years at the University of San Francisco, the University Extension Division at the University of California at Berkeley, Cabrillo Community College as Department Head of Business Data Processing, and Lecturer in the Institute of Computer Science at the University of Nairobi. He was employed at the Lawrence Berkeley Laboratory as a computer scientist for 13 years where he played a major role in bringing modern database management to the Laboratory.

The primary objectives of this short course are to provide participants with the knowledge necessary to supplement existing database courses and develop database management systems courses at their home institutions. There will be thirty (30) hours of in-class instruction on selected topics in the area of database management systems and the tools for teaching such topics at the undergraduate level. An additional twenty (20) hours will be devoted to instructions and discussion on specific database management system software packages which include dBASE III PLUS. Participants will have the opportunity to use these software packages on the Fort Lewis College computer facilities to complete assigned projects. Each participant will be provided copies of the above texts authored by Dr. Litton plus the text Introduction to Database Systems, Volume I by C. J. Date.

The course will begin with a wine-cheese social on Sunday, July 9, from 7:00 to 9:00 PM. Reservations have been made for those wishing to ride on the scenic narrow gauge train on July 15 - this is an all-day trip. A steak fry dinner is scheduled for one evening. For participants and dependents staying on campus, the use of tennis courts and an olympic-size swimming pool are free of charge. An 18-hole golf course is adjacent to the campus. Carts are available and green fees are reasonable.

The number of participants will be limited to 35, so send your completed application as soon as possible, but not later than May 31. Further information and registration forms can be obtained by contacting:

Jim Wixom  
Mathematics/Computer Science Department  
Fort Lewis College  
Durango, Colorado 81301  
Phone (303) 247-7344

1989 SHORT COURSE - DATABASE MANAGEMENT SYSTEMS  
 JULY 10-21, 1989  
 REGISTRATION

NAME \_\_\_\_\_ PHONE \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 AFFILIATION \_\_\_\_\_

Fill in the appropriate amounts below:

Course registration only (\$300.00) . . . . . \_\_\_\_\_  
 Course registration, board and room (\$595.00). . . . . \_\_\_\_\_  
     (double occupancy)  
 Smoker      Non-Smoker    - - circle one  
 Board and room for spouse (\$295.00). . . . . \_\_\_\_\_  
 Accommodations for children  
     Room (number of children X \$120.00)\* . . . . . \_\_\_\_\_  
     Board (number of children X \$147.00)\*\* . . . . . \_\_\_\_\_  
 Train ride (no charge for children under age  
     5 years held in lap)  
     Number X \$32.30 (age 12 and over) . . . . . \_\_\_\_\_  
     Number X \$16.25 (ages 5-11) . . . . . \_\_\_\_\_  
 TOTAL AMOUNT . . . . . \_\_\_\_\_

A \$100.00 deposit for your registration, a \$25.00 room deposit for each room and the total amount for the train tickets is required by May 31, 1989. Any balance due may be paid upon arrival.

TOTAL AMOUNT REMITTED . . . . . \_\_\_\_\_

Please make checks payable to Fort Lewis College DBMS Short Course and return check and this form to

Jim Wixom  
 Mathematics/Computer Science Department  
 Fort Lewis College  
 Durango, Colorado 81301

\*There is no room charge for children who sleep in the same bedroom as their parents and do not occupy a separate bed.

\*\*There is no board charge for children under two years of age.