



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

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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.

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.)

Future Meetings

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

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.