```
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
*                                                             *
*        SPRING MEETING OF THE ROCKY MOUNTAIN SECTION         *
*                                                             *
*           COLORADO COLLEGE, COLORADO SPRINGS                *
*                                                             *
*              APRIL 10 AND APRIL 11, 1992                    *
*                                                             *
*                    SECOND ANNOUNCEMENT                      *
*                                                             *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
```

The Annual Spring Meeting of the Rocky Mountain Section of the Mathematical
Association of America will be hosted by Colorado College, Colorado Springs,
Colorado on Friday, April 10 and Saturday, April 11, 1992.

REGISTRATION

In order to preregister for the meeting, submit the enclosed form as soon as
possible.   Registration is $5.00 if received by April 1 and $10.00 at the
conference.   The refund cancellation deadline is April 8.

CALL FOR PAPERS, PANELS, VOLUNTEERS

If you are interested in contributing a paper, being on one of the panels,
want to suggest another panel topic, or volunteering to preside over a
session, please submit the enclosed registration form as soon as possible to:

     John Watkins, Program Chair
     Rocky Mountain Section Spring Meeting
     Department of Mathematics   Phone: (719) 389-6542
     Colorado College   FAX: (719) 389-6841
     Colorado Springs, CO 80903   EMAIL: jwatkins@ccnode.colorado.edu

STUDENT PAPERS

Be sure to encourage your students to present a paper.   Student talks can be
on research projects, problems they have solved, reports they have written,
or even summer employment. Student presenters will be awarded MAA membership
and prizes will be given for the best student papers.

WORKSHOP

There will be a two-hour workshop on pre-college intervention projects for
underrepresented groups of students.   Methods for proposal development,
funding sources, and the art of proposal writing will be discussed. **Florence
Fasanelli**, who will lead the workshop, is on the staff of SUMMA/MAA
(Strengthening Underrepresented Minority Mathematics Achievement) and was
previously a Program Officer at the NSF.

PANELS

We currently have three panels planned: Calculus Reform, Math Programs for
Underepresented Groups, and Student Research. Let us know if you would like
to participate in one of these or if you have suggestions for other topics.

HOTEL ACCOMODATIONS

The following hotels and motels have established special rates for the conference. These rates are subject to availability so you should make reservations as soon as possible. You should make reservations directly with the hotel or motel and identify yourself as a Colorado College Math Conference participant.

Le Baron Hotel, 314 W. Bijou, (719) 471-8680, $35 single or double,
$45 triple, $55 quad

Antlers Hotel, 4 S. Cascade, (719) 473-5600, $65 single or double

Hilton Inn, 505 Popes Bluff, (719) 598-7656, $34 single or double

Hearthstone Inn, 506 N. Cascade, (719) 473-4413, $65 single,
$75 double (includes breakfast)

EconoLodge Downtown, 714 N. Nevada, (719) 636-3385, $22 single,
$26 one bed, $31 two beds.

J's Motor Hotel, 820 N. Nevada, (719) 633-5513, $20 single,
$23 double, $28 two doubles, $30 two queens

J's and the Econolodge are within a block or two of campus and the Hearthstone is almost as close (and is a lovely old Victorian house). The Hilton is in the north part of town just off I-25 at Garden of the Gods Road about a 10 minute drive from campus. The Le Baron is offering the best special prices and is downtown off I-25 at Bijou about a 5 minute drive from campus. Also downtown about 5 minutes away by car is the Antlers, one of Colorado Springs' great old hotels (newly redone).

FEATURED SPEAKER

We are very pleased to have **Leonard Gillman** of the University of Texas at Austin and former president of the MAA doing double duty by giving both our banquet talk Friday evening and the main address of the conference on Saturday morning. His topic Saturday will be

"An Axiomatic Approach to the Integral"

Len writes:

This talk is for everyone who has ever set up an integral.

In the usual procedure, say for arc length, one writes down a Riemann sum; asserts without proof that as the norm approaches 0, the chords give a better and better approximation to the curve; and concludes with the feeble assertion that the sums approach "what our intuition tells us" is the length of the curve.

My proposal is to put some juice into all this by stating explicit assumptions about the application, then deriving the integral formula as a mathematical consequence. Probably every calculus book uses this scheme to some extent (particularly for area under a curve and work along a line); I propose to exploit it systematically.

There is an unexpected byproduct. Every teacher is familiar with that anticlimactic moment when you are confronted with a nonRiemann sum and have to mumble that yes, that will work too but the proof is too hard for this course. I have some pleasant information about that problem.

OPENING TALK

The conference will begin with a special talk at 1:00 pm by **Steven Janke** of Colorado College. His talk will present a brief survey of some of the models used for determining the growth of Aids:

"Modeling the Growth of the Aids Epidemic"

Steven will introduce the model that will help explain the surprising fact that the growth is cubic rather than exponential in its early stages. He will emphasize using such models in undergraduate math courses.

ARRIVAL AND PARKING

The map below shows the location of the college just off of I-25 at the Uintah exit. The Mathematics Department is in the east end of Palmer Hall; this is where you can pick up registration materials any time after 11:00 am on Friday. There is parking north of Palmer off of Uintah, south of Palmer off of Cache la Poudre, and east of Palmer across Nevada (see map on the other side).

SCHEDULE HIGHLIGHTS

Friday:	11:00 - 5:00	Registration, Mathematics Lounge, Palmer Hall
	1:00 - 1:45	Opening Talk, Steven Janke, Olin 1
	2:00 - 5:00	Parallel Sessions
	5:15 - 6:45	Reception, Stewart House
	7:00 - ?	Conference Banquet, Bemis Hall
		After Dinner Talk, Leonard Gillman
Saturday	9:00 - 9:50	Featured Address, Leonard Gillman, Olin 1
	10:00 - 12:00	Workshop, Florence Fasanelli, Palmer 128
	10:00 - 12:00	Parallel Sessions
	12:00	Conference Ends