



Southern California-Nevada Section Mathematical Association of America NEWSLETTER

Volume XLIX, Number 2

February 2008

Dates to Remember:

Sat., March 15
Spring Meeting
at U of San Diego

Pre-registration
deadlines:

Mail-in: Monday,
March 10, 2008

Online: Tuesday,
March 11, 5 p.m.

Student Poster
Session deadline:
Monday, March 3

Section NExT
deadline:
Monday, March 3

July 31-Aug. 2
MathFest in
Madison, WI

Saturday, Oct. 11
Fall Meeting at
Scripps College

Jan. 5-8, 2009
Joint Mathematics
Meetings in
Washington, DC

Southern California-Nevada Section to to Meet at University of San Diego

Mario Martelli, Section Chair

Spring 2008 Meeting. The Spring Meeting of the Southern California-Nevada Section will be hosted by the University of San Diego and will take place on Saturday, March 15, 2008. Plan to attend! The campus is very beautiful and the list of speakers is exceptional: Stacy Langton of USD on "Euler's Conjecture on the Solutions of Fifth Degree Equations," Gary Lorden of Caltech on "Mathematical Heroics: Working with Numb3rs," Roger Nelsen of Lewis and Clark College on Visualization in Mathematics: Proofs without Words and Words without Proofs," and John Swallow of Davidson College on "Circular Irrationalities: From Galois to Kummer and Back Again." There will be many posters presented by our undergraduates. It promises to be a delightful day.

Fall 2007 Meeting. Our Fall 2007 meeting was on Saturday, October 13 at Santa Ana College. Prof. Jon McCammond, selected as the Section winner of the Distinguished Teaching Award,

were in attendance. Several topics were discussed, including the possibility of having one of our future meetings in Las Vegas to renew our connection with those members of the Section residing in the southern portion of Nevada.

Fall 2008 Meeting Preview. Reserve Saturday, October 11, 2008, on your calendar for the Fall Meeting of the MAA Southern California-Nevada Section at Scripps College in Claremont. Speakers will include MAA Polya Lecturer George Andrews of Pennsylvania State University on partition theory, Tony DeRose of Pixar Animation Studios on the mathematics of animation, and Stephen Abbott of Middlebury College on mathematics and theater. Ernie Solheid, our Meetings Coordinator, and Perla Myers, our 2008-09 Program Chair, are working out the details of this event.

I would be delighted if every member of our section attends the spring and fall meetings. The cast of speakers is always very good and the activities planned by the Program Chair are truly engaging. I hope to see a large participation at the Spring Meeting March 15, 2008 on the beautiful campus of the University of San Diego.

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gave an exceptional talk on "Roots, Ratios, and Ramanujan." There were two additional interesting speakers: Chris Heil from the Georgia Institute of Technology and Ivars Peterson from the Mathematical Association of America. Prof. Heil spoke about "Music, Time-Frequency Shifts, and Linear Independence," while the title of Prof. Peterson's talk was unusual and appealing: "Geometreks". Thank you to Program Chair Florence Newberger for organizing such a fascinating meeting.

AMS-MAA JMM in SD. The Annual Meeting of the AMS and MAA was in San Diego, CA. I went by car since the city is so close to Claremont, CA, where I live. The board of our Section met at 7 a.m. on Monday, January 7 at LC's restaurant in the San Diego Marriot. Eleven members



At left, 2006 Fields Medalist Terence Tao of UCLA delivers his AMS Invited Address, "Structure and Randomness in the Prime Numbers," at the Joint Mathematics Meetings in San Diego in January.

Audrey Terras of the University of California, San Diego, gave the Association for Women in Mathematics (AWM) Emmy Noether Lecture, "Fun with Zeta Functions of Graphs."

Donald G. Saari of the University of California, Irvine, gave the AMS Invited Address, "A New Mathematical Frontier: The Social and Behavioral Sciences."

Fan Chung of UCSD delivered the AMS-MAA Invited Address, "The Mathematics of PageRank."



The Students' Column

Cynthia Wyels, Student Chapters Coordinator

Contrary to Insiders' Views

Math is about *Numbers*, and *Proofs* don't require *Words*... Huh? Piece the clues together: attend the Spring 2008 Meeting at the University of San Diego, March 15! You'll find complete program information elsewhere in this newsletter. One highlight for students: the Student Poster Contest. Why not ask if your institution will sponsor your attendance? The more the merrier – make it a Math Club outing or organize a student/ faculty group to go. Register by the deadline so you don't miss out on lunch – the registration form is in this newsletter.

Meanwhile, undergraduate and masters-level students are encouraged to present a poster. Need ideas for topics? Any of the following are suitable, or you might think of something else as well.

- Results of masters thesis, honors, senior, or independent study projects;
- Results of classroom projects or modeling contests;
- Results of REUs or other summer research programs;
- Historical investigations in pure or applied mathematics;
- Solutions of problems from the Putnam Exam or from the *Monthly* or other journals.

Ask a faculty member for guidance if you haven't attended a poster session before. Besides the challenge and learning involved in working on the project and preparing to present it, benefits to you include

- the opportunity to share your work with other students and with mathematicians from both academia and industry in a friendly environment;
- free meeting registration and free lunch;
- free 1-year MAA membership, including a 1-year subscription to an MAA journal (or a free MAA book if you are already an MAA member);
- the chance to win recognition; and
- a great resume entry.

To submit a poster, send 1) the name(s) of the poster creator(s), 2) the title, 3) a brief abstract, 4) the name of your institution(s), 5) your class year(s) (frosh, soph, junior, senior, masters student), 6) the name of your advisor(s), and 7) the e-mail address of the presenter who will receive and pass on communications.

Submission deadline: **Monday, March 3, 2008**. Electronic submission preferred. Put "student poster" somewhere in the subject header of your e-mail. Send to Prof. Cindy Wyels via cindy.wyels@csuci.edu or (via mail) to Dr. Wyels, Mathematics, CSU Channel Islands, One University Drive, Camarillo, CA 93012.

I want an opportunity to focus on mathematical research...and maybe even offset my summer earnings...

Check out the huge list of opportunities you'll find at the MAA Undergraduate Page:

<http://www.maa.org/students/undergrad/>

REUs are a fantastic option: you'll be amazed at how much you can grow mathematically. You also get a chance to live in another region of the country with bright, motivated peers, and work very closely with a faculty mentor. Most deadlines for applications are in February or March, and require letters of recommendation, so don't hesitate. There are many other options as well: academic year research, math semesters abroad, transition programs for those heading to grad school next fall, etc.

A Plethora of Posters

Thirty-two students attending undergraduate institutions in Southern California and southern Nevada presented posters in the Undergraduate Poster Session at the 2008 Joint Mathematics Meetings in San Diego on January 8. This work was facilitated by 27 faculty advisors within our section (some double-counted) and 15+ judges. The quality of work at the session was outstanding! The judges found eight posters associated with students or faculty from our section to be particularly noteworthy, awarding them prizes.

Pacific Coast Undergraduate Math Conference

The third annual Pacific Coast Undergraduate Math Conference (PCUMC) will be held on Saturday, April 5, 2008, at Loyola Marymount University. This year's conference will feature a keynote address by MAA President, Joseph A. Galian, undergraduate talks, a panel discussion on career opportunities, and discussions about undergraduate research and Math Club/Pi Mu Epsilon. Registration and lunch are free for all participants!

Talks are encouraged by all levels of students on all mathematical topics, ranging from results of research projects to historical/biographical presentations to interesting solutions of Math Club problems. Please visit www.pcumc-math.org to register and for more information regarding the conference program.

Questions? Contact Alissa S. Crans at acrans@lmu.edu

REGISTRATION DEADLINE: March 28, 2008

And yet more mathematics...

Finally, there are likely to be seminars, colloquia, and student presentations occurring right on your own campus: find out where notices are posted, listen to those in-class announcements, and ask your faculty what's going on.



News of the Southern California-Nevada Section

Governor's Report

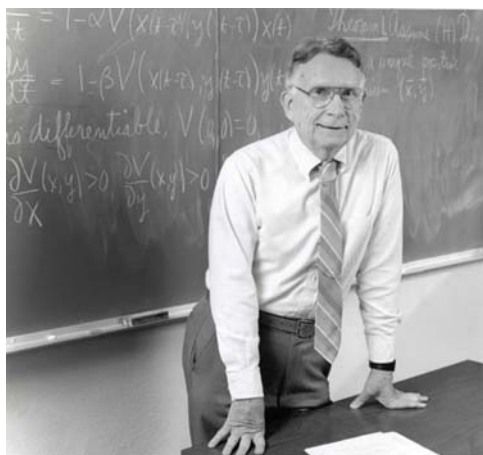
Ken Millett, Section Governor

The Southern California-Nevada contribution to the San Diego Joint Mathematics Meetings last month was considerable. I suspect many of you attended Terence Tao's lecture, one of the highlights of the meeting for me, as the room was filled to overflowing. Don Saari and Audrey Terras were popular speakers. I introduced Paul Edelman's lecture on "Mathematics and the law: The apportionment of the House of Representatives" that received national visibility in *Nature News* and gave us a wonderful account of the ways in which mathematics has been used and misused since the founding of our nation.

The MAA's Board of Governors met all day just prior to the JMM and received a strategic planning report on Governance with some 40 recommendations to bring the language up to date, streamline function, insure that by-laws are consistent with current practice and vice-versa. These recommendations are being taken into consideration as part of a systematic review of recommendations from other task forces. A process is underway to look at the role of the sections and how to strengthen the MAA as a national and regional organization. We should all take some time to consider how our section could better serve the mathematical community in our region and help us, individually and collectively, achieve our goals.

A quick reminder that nominations for the Alder Award for University Teaching by a Beginning College or University Faculty Member are due by October 1 beginning in 2008. These nominations must be written in accord with the information supplied on the MAA website and were due in December in previous years. The Award Committee welcomes many nominations from the membership. The nominations made in 2008 are for awards to be given in 2009. Within our section, there are many highly deserving colleagues in our home departments who should be but have never been nominated for recognition as outstanding teachers. And there are probably a few who are not yet but who should be members of the MAA (which they need to be in order to receive MAA awards). All it takes is a little urging on our part and I hope you will consider making an effort this spring to address both.

Although I will miss the Spring Meeting, being still on sabbatical with one more week in very wintry Minneapolis before heading to Europe until the end of July, I will return for MathFest in Madison July 31-Aug. 2, and hope that some of you will join me there for another exciting event.



Remembering Ken Cooke

Mario Martelli, Section Chair

I met Ken Cooke for the first time in Salt Lake City, at an international conference organized by Frank Hoppenstat in 1978. Klaus Schmitt, Hal Smith and I had written a paper related to Mathematical Biology and Klaus wanted to explain to Ken our work. I did not know, at that time, that Ken was a very distinguished authority in the field of Mathematical Biology. He visited Firenze, as guest of Prof. Roberto Conti, my thesis advisor, together with Jean Mawhin and Jack Hale. Unfortunately, during the year the three of them were in Firenze, I was in Berkeley with the fellowship of the Italian Council of Research (CNR).

I came to Claremont, CA, in 1987 and in 1990 Prof. Stavros Busenberg, from Harvey Mudd College, and I organized a meeting in honor of Ken Cooke's 65th birthday. Mathematicians and biologists from all over the world attended the meeting. Two books were published with their contributions, one in the Springer-Verlag Lecture Notes in Biomathematics, and the other in the Springer-Verlag Lecture Notes in Mathematics. The list of contributors to these books is impressive, both for the prestige of the names included and for the content of the articles.

Little did we know in 1990 that three years later Stavros Busenberg would succumb to amyotrophic lateral sclerosis (Lou Gehrig's disease). A meeting was organized in his memory in 1994 and Ken Cooke was one of its strongest promoters and one of the editors of the book *Differential Equations and Applications to Biology and to Industry* published by World Scientific. The volume contained the contributions of many distinguished friends of Stavros.

Ken was the chair of the Southern California-Nevada Section of the Mathematical Association of America during the year 1999-2000 and was faithfully present when the Section had a meeting at Pomona College on March 3, 2007. It was my last encounter with Ken since on August 24 of the same year Ken died of a brain tumor. He was 82.

Ken (left) was one of the most distinguished mathematicians of our section and one of its most faithful supporters. He had completed his undergraduate education at Pomona College in 1947, after serving in the Navy during World War II. Ken received his Ph.D. in Mathematics from Stanford and in 1957 he came back to Pomona College, where he remained until his retirement in 1994. He published more than a hundred research papers and several books. He was an associate editor of three mathematics journals and one of the organizers of nine research conference, including the one in memory of Stavros Busenberg.

Ken has been one of the most distinguished members of our section. We will miss his presence at our meetings and his faithful support of our activities.



Southern California-Nevada Section of the Mathematical Association of America

Spring 2008 Meeting Schedule

Saturday, March 15, University of San Diego

- 8:15-noon **Registration**—Joan B. Kroc Institute for Peace and Justice Rotunda
- 8:15-10:30 **Refreshments**—Joan B. Kroc Institute Rotunda
- 8:30-2:30 **MAA Book Sale**—Joan B. Kroc Institute Rotunda
Organized by Richard Katz, Michael Hoffman, Cal State Los Angeles
- 9:00-10:00 **Invited Address by Roger Nelsen**—Joan B. Kroc Institute Theatre
Lewis and Clark College, Portland, OR

Visualization in Mathematics: Proofs without Words and Words without Proofs

Can pictures prove theorems? Rather than argue that they can or can't (words without proofs), I will present some which may (proofs without words). In English, the verb "to see" often means "to understand," and I think this is especially true in mathematics. To illustrate, we will explore the role of visualization in mathematics by examining a little-known elementary but powerful idea (the Fubini principle: if you count a set in two different ways, you will get the same result) in a variety of settings, including combinatorics, infinite series, geometry, calculus, mathematical induction, and fast food.

- 10:00-10:15 **Business Meeting**—Joan B. Kroc Institute Theatre
Presentation of Section Distinguished Teaching Award
Recognition of 25- and 50-year MAA members
- 10:15-11:15 **Student Poster Session**—Conference Rooms E and F
Organized by Cynthia Wyels, Cal State Channel Islands
- 11:15-12:15 **Invited Address by Gary Lorden**—Joan B. Kroc Institute Theatre
California Institute of Technology, Pasadena, CA

Mathematical Heroics: Working with NUMB3RS

When Dr. Lorden was asked to become a technical advisor to a new CBS television show called "Numb3rs" and to help them tell stories about the heroic efforts of a math consultant, a young professor who works with his FBI agent brother to solve crimes, he had several questions: Is this going to be some sort of totally fake "TV math"? Is there going to be an opportunity to actually explain some mathematical methods? Will it be fun? Now, twenty-some episodes later, he can answer "yes" to two out of the three questions. Dr. Lorden will use clips from the episodes, stories of his work with them, and examples from his own experience as a consultant, to illustrate his new-found realization that doing math in the real world and in the television world are two surprisingly similar activities—even though one of them is quicker, sexier, and a lot more heroic

- 12:15-1:30 **Luncheon**—Joan B. Kroc Institute Conference Rooms C and D
- 1:30-2:30 **Invited Address by John Swallow**—Joan B. Kroc Institute Theatre
Davidson College, Davidson, NC

Circular Irrationalities: From Galois to Kummer and Back Again

The truth value of the statement, "Harry and Isabel are siblings, and Joe and Karl are siblings," is very probably not invariant under every permutation of the names. Surprisingly, the study of roots ... *continued, page 5*

Pre-register!

Complete the registration form on page 7 and send it with payment by **Monday, March 10**, to:

Ernie Solheid
Dept. of
Mathematics
CSU Fullerton
800 N. State College
Blvd. Fullerton, CA
92834

Or, register online at the section website
www.maa.org/socal
by **Tues., March 11, 5 p.m.**



MAA Southern California-Nevada Spring 2008 Meeting Schedule, continued

such as $2^{1/2}$ and $3^{1/5}$ proceeds similarly: in place of sentences, consider equations relating the roots and ask which of them hold true under certain permutations of the roots. We introduce this study of n th roots and then tell the story of how some basic questions, solved with real contributions by undergraduates, pointed the way to some significant new results in field theory. This work is joint with Davidson undergraduates Frank Chemotti '05 and Andy Schultz '02, as well as D. Benson, N. Lemire, and J. Minác.

2:30-3:00 **Leonhard Euler's 301st Birthday Party**—Joan B. Kroc Institute Rotunda

3:00-4:00 **Invited Address by Stacy Langton**—Joan B. Kroc Institute Theatre
University of San Diego, San Diego, CA

Euler's Conjecture on the Solutions of Fifth-degree Equations

Quite early during his first period at the Academy of Sciences in St. Petersburg, Leonhard Euler attacked the problem of solving polynomial equations of the fifth degree (or higher). Though he did not succeed in finding the solutions, Euler did formulate a conjecture concerning their nature. Assuming (without loss of generality) that the fourth-degree term is missing, Euler's conjecture is that the solution x of a fifth-degree equation can be written as the sum of the fifth roots of A , B , C , and D , where A , B , C , and D are the four roots of a particular fourth-degree equation, which Euler called the resolvent equation. Euler worked at this conjecture off and on during his entire career. Of course, we know today that his conjecture couldn't possibly be correct. Or could it?

Getting to and Staying Near the University of San Diego Campus

The meeting will take place on the University of San Diego campus at the Joan B. Kroc Institute for Peace and Justice, located on Marian Way. Marian Way is the West Entrance to campus. From Linda Vista Road, turn north on Marian Way. The Institute parking garage is the first right near the top of the hill. Parking is free. Park in the white-lined spaces only. Take the elevators from the parking garage to the first floor of the Institute. Registration is in the Rotunda near the main (east) entrance to the building.

The University of San Diego can be reached via I-5 from the north and south and via I-8 from the east. For detailed driving directions and maps, please see <http://www.sandiego.edu/about/directions/>

For those who would prefer to travel by rail, please visit <http://www.amtrak.com>. The train station is in downtown San Diego, next door to a trolley station. The Morena/Lindavista trolley station is within walking distance of USD; there also is a station in Old Town. See <http://transit.511sd.com> for details.

Where to sleep: For attendees who wish to arrive the day before or leave the day after the meeting, the following hotels are close to the USD campus.

Hacienda Hotel, Old Town (ask for USD rate: \$129)
4041 Harney St.; SD, CA 92110; (619) 298-4707 or (800) 888-1991
<http://www.haciendahotel-oldtown.com/>

Courtyard San Diego Old Town (ask for USD rate: \$169; includes complementary high speed internet)
2435 Jefferson Street; SD, CA 92110; (619) 260-8500 or

(800) 255-3544

<http://www.marriott.com/hotels/hotel-information/travel/sanot-courtyard-san-diego-old-town/>

Old Town Inn (ask for USD rate: \$79; includes buffet breakfast, free parking, free wireless)
4444 Pacific Hwy; SD, CA 92110; (619) 260-8024

Attention New Faculty Members!

Section NExT Wants You for Its Spring Meeting Activities!

The Southern California-Nevada Section NExT (New Experiences in Teaching) will run a parallel program of activities for its members at the Spring Meeting Saturday, March 15, at the University of San Diego. If you are within the first three years of beginning full-time employment with significant teaching responsibilities at the community college, college, or university level, please apply to join Section NExT and participate in its Spring Meeting activities **by Monday, March 3, 2008.**

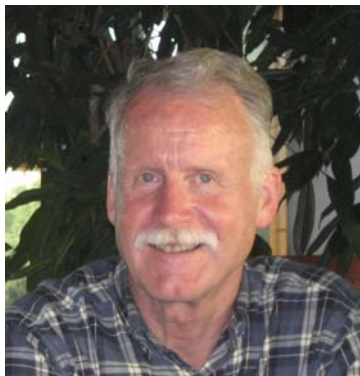
To apply, please visit <http://www.maa.org/socal> and follow the link to SoCalNev NExT. The program accepts applications from faculty with Master's degrees or PhDs. For more information about Section NExT, please see page 8 of this Newsletter. For more information, including a link to the online application and a list of past activities, please visit <http://www.maa.org/socal> and follow the link to SoCalNev NExT.



Fantastic Foursome of Speakers to Present at MAA Southern California-Nevada Section Meeting at University of San Diego

The Spring Meeting of the Southern California-Nevada Section of the MAA will feature four exciting speakers, Roger Nelsen of Lewis and Clark College and “Proofs without Words” fame, NUMB3RS consultant Gary Lorden of Caltech, Galois aficionado John Swallow of Davidson College, and Euler aficionado Stacy Langton of the host institution, University of San Diego. The meeting also will feature a celebration of Euler’s 301st birthday and the popular Student Poster Session, organized by Cynthia Wyels of California State University, Channel Islands. The MAA Book Sale, offered throughout the day by Richard Katz and Michael Hoffman of Cal State Los Angeles, will have a larger-than-usual selection of new MAA books, along with almost all of the other titles in the MAA booklist. Even the Business Meeting promises to be exciting, with the highly anticipated presentation of the 2008 Section Distinguished Teaching Award and recognition of our section’s 25- and 50-year MAA members. The Southern California-Nevada Section NExT (New Experiences in Teaching) will run a parallel program of activities for its members at the Spring Meeting; new faculty members who wish to participate should apply by Monday, March 10 (see page 5 for instructions). See you in San Diego!

Spring Meeting Speakers



Roger Nelsen grew up in Indiana, and received his B.A. degree in mathematics from DePauw University. He obtained his Ph.D. at Duke University, and since 1969 he has taught at Lewis & Clark College, where he is Professor of Mathematics. He has also held visiting positions at Mount Holyoke College and the University of Massachusetts at Am-

herst. Nelsen’s research interests lie in the area of mathematical statistics, where he uses copulas (multivariate distribution functions with uniform margins) to study dependence among random variables and to construct families of multivariate distributions. He also is interested in the process of visualization in mathematics, specifically how mathematical drawings help students understand mathematical ideas, proofs, and arguments. Nelsen has published over 100 research and expository papers and four books: *Proofs Without Words: Exercises in Visual Thinking* (MAA, 1993); *Proofs Without Words II: More Exercises in Visual Thinking* (MAA, 2000), *An Introduction to Copulas* (Springer, 1999, 2006); and *Math Made Visual: Creating Images for Understanding Mathematics* (with co-author Claudi Alsina, MAA 2006).



Gary A. Lorden is Professor of Mathematics and department head at Caltech, where he has taught for thirty-seven years, specializing in probability and statistics. He attended Caltech as an undergraduate and received his Ph.D. from Cornell University in 1966. Dr. Lorden has been active as a mathematical and statistical consultant throughout his career, and has used his experience with real-world problems to motivate his research and teaching. None of this

prepared him fully for the challenge of teaching writers and actors how to portray mathematical consulting on television! But he has enjoyed learning with them.

John Swallow was tripped up by Galois theory as a graduate student. He’s loved doing it, teaching it, and writing about it ever since, and he is particularly grateful to have been awarded an NSF-RUI grant to support all three. The author of *Exploratory Galois Theory* (Cambridge, 2004), he has enjoyed writing research articles as well as pieces for the *Bulletin*, the *Monthly*, the *Notices*, and the *American Scholar*. John teaches at Davidson College as Kimbrough Professor of Mathematics and Humanities and serves as a regent of his alma mater, Sewanee. Web page: www.davidson.edu/math/swallow/



Stacy G. Langton is professor of mathematics and computer science at the University of San Diego. He received his Ph.D. in algebraic geometry under David Mumford at Harvard. His interests in the history of mathematics lie mainly in the mathematics of the 17th, 18th, and 19th centuries, especially the work of Leonhard Euler. He has translated several of Euler’s papers into English. His article “Euler on Rigid Bodies” recently appeared in *Leonhard Euler: Life, Work, and Legacy*, edited by Robert E. Bradley and C. Edward Sandifer, Elsevier, 2007.



**REGISTER FOR
THE SPRING
MEETING!**

Complete the form at right and send it with payment to:

Ernie Solheid,
Department of
Mathematics,
California State
University-Fullerton,
800 N. State College
Blvd., Fullerton, CA,
92834

**by Mon., March 10,
OR**

Register online at the
section website:

<http://www.maa.org/socal>. Click the online
registration link and
have your credit card
ready. Online registra-
tion will be available
from 8 a.m. Mon., Feb.
11, **through 5 p.m.,
Tuesday, March 11.**

VOTE!!!**FOR
SECTION
OFFICERS**

Use the ballot
on page 8.

Pre-Registration/Luncheon Reservation Form

*Spring Meeting at University of San Diego
Saturday, March 15, 2008*

Enter the number of registrations of each type in the appropriate blank in the table below. Make checks payable to **Southern California-Nevada MAA**. (Attach a separate page for multiple registration information.)

Name _____

Affiliation _____

Address _____

E-mail address _____

	Nonmember	MAA Member	Student
Registration and Luncheon	_____ @ \$50	_____ @ \$45	_____ @ \$20
Registration and Vegetarian Luncheon	_____ @ \$50	_____ @ \$45	_____ @ \$20

Total Enclosed \$ _____

On-site registration will be available at the meeting for \$5 more than pre-registration.

Questions? Contact Ernie Solheid, Meeting Coordinator
Email: esolheid@fullerton.edu, phone: (714) 278-7023

The MAA national office has requested the following information. Please check all boxes that apply to you—or enter appropriate numbers for multiple registrations.

_____ MAA member	Faculty member at college or university with highest mathematics degree offered:
_____ MAA non-member	_____ Associate
_____ High school teacher	_____ Bachelors
_____ Undergraduate student	_____ Masters
_____ Graduate student	_____ Doctorate
_____ Business/industry/ government	



BALLOT FOR SECTION OFFICERS: PLEASE VOTE!!!

Attention MAA So Cal-Nevada members:
You may vote online when you register for the Spring Meeting!

Position	Candidate	Write-in Alternative
Section Vice-Chair	<input type="checkbox"/> Art Benjamin Harvey Mudd College	
Second Program Vice-Chair	<input type="checkbox"/> Min-Lin Lo Cal State San Bernardino	

**Plan to attend the Spring Meeting at
 University of San Diego Saturday, March 15!**

Please vote online at www.maa.org/socal or return this ballot to Ernie Solheid, Department of Mathematics, California State University-Fullerton, 800 N. State College Blvd., Fullerton, CA, 92834 by Monday, March 10, 2008.

Join Southern California-Nevada Section NExT!

Magnhild Lien, CSU Northridge
Ioana Mihaila, Cal Poly Pomona

Project NExT (New Experiences in Teaching) is an MAA program for new and recent PhDs in the mathematical sciences that addresses the full range of faculty responsibilities, including teaching, scholarly activities, and service. Since its inception in 1994, the national Project NExT program has grown tremendously, and sections of the MAA have organized regional NExT programs.

SoCalNev Section NExT Fellows attend both the Fall and Spring meetings of the MAA Section and participate in special activities.

These activities involve practical information about implementing effective pedagogical and professional strategies, including topics such as teaching methods, directing undergraduate research, and writing grant proposals. In addition, SoCalNev NExT provides a venue in which its participants can meet informally and discuss issues relevant to new faculty. Unlike the national Project NExT program, Section NExT includes community college faculty.

SoCalNev Section NExT is now recruiting applicants for the 2008 Spring Meeting at University of San Diego. See page 5 of this Newsletter for application instructions. Deadline is Monday, March 3, 2008.

Congratulations to 25- and 50-Year MAA Members!

Congratulations to the following members of the Southern California-Nevada Section who have been MAA members for 50 years!

David G Cantor, San Diego
 Alfred W Hales, San Diego
 John L Kuhns, Buckley, WA
 George S McCarty, Laguna Beach
 Wade A Peterson, Tarzana
 Calvin M Pullias, Upland
 Charles W Seekins, Carpinteria
 George Senge, Los Angeles
 David A Sprecher, Santa Barbara
 Francis L Thomson, Ridgcrest
 Lee Van de Wetering, San Diego
 John Weissman, Orange
 John V Wiggins, Huntington Beach
 Warren C Willig, Agoura

Jimmie D Woods, La Quinta

Congratulations also to the following members of the Southern California-Nevada Section who have been MAA members for 25 years!

Clyde L Corcoran, San Marino
 Daniel A Greenleaf, Pasadena
 Alan T Hayashi, Oxnard
 Alan C Krinik, Cal Poly Pomona
 Eunice L Krinsky, Palos Verdes Peninsula
 Michael E Lord, Boulder, CO
 James B Lucke, Claremont McKenna College
 Mario U Martelli, Claremont McKenna College
 Mary E Scherer, University of Redlands
 John P Sepikas, Van Nuys
 Gordon J Talge III, Loma Linda
 Thomas M Zachariah, Loyola Marymount University