

## Chairman's Message



Frederick J. Sievert

As I near the end of my two year term as Chair of The Actuarial Foundation, I do so with gratitude and with a sense of very real progress made possible by an engaged Board of Trustees, an outstanding

Foundation staff and strong ongoing financial support from individuals, corporations and our sponsoring actuarial organizations.

Despite the economic issues of the past two years, our revenues have grown, unlike the experience of many similar non-profit organizations, and that growth has allowed us to expand our programmatic outreach with much success and impact in achieving our mission.

We're very gratified that in 2009 we produced and distributed the 4<sup>th</sup> installment of the *Expect the Unexpected with Math* series, "Setting the Stage with Geometry" which has been made available to over 140,000 teachers across the country with the potential to reach over 4 million students.

Our efforts to enhance financial literacy at the high school level through our *Building Your Future* educational materials and supporting classroom workbooks and study aids is enjoying terrific early signs of success. Teacher demand for the materials is very high and our extensive marketing

plan is now into full implementation mode. Our aggressive, but achievable goal is to place classroom sets in every one of the nations high schools in the coming months. Many of you have donated \$250 (or more) to provide an entire classroom set of these materials in high schools from California to New York. Thanks also to so many who have donated to cover multiple classrooms.

In addition to the gratifying results in all three of our programmatic areas this past year we are pleased to announce, in its inaugural year, the awarding of 29 new actuarial diversity scholarships this summer to deserving young students with an interest in the actuarial profession.

As we close the year and I end my term as Chair, I once again thank you for your encouragement and steadfast support through a difficult economic period. And for those of you who have not yet made your 2009 philanthropic decisions, please consider The Actuarial Foundation and the importance of our programs in youth education, consumer education, and in research, awards, prizes and scholarships. You can make an unrestricted gift or you can earmark your gift for a specific program like the *Building Your Future* financial literacy program or the Actuarial Diversity Scholarship program.

My very best wishes to you and yours for this holiday season!

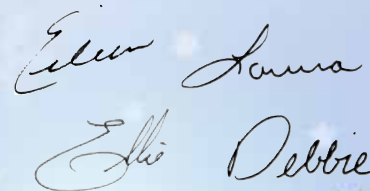
Sincerely,

Frederick J. Sievert, FSA, MAAA  
Chairman

## 'Tis the Season for Possibilities

**For all that you do,  
we appreciate you!**

The Actuarial Foundation Staff




### SPOTLIGHT ON

Advancing Student  
Achievement (ASA)

*"It's very rewarding to see  
the pride in these students  
when we help them grasp  
a new concept and use it  
to solve a problem."*

— Tom Edwalds, FSA, FCAS

Actuarial volunteers  
in the math mentoring  
program help Pritzker Prep's  
math teams win 1<sup>st</sup> place.

*see page 3*

### MISSION:

To develop, fund and execute education and research programs  
that serve the public by harnessing the talents of actuaries.

# Together, We are Making an Impact

## YOUTH EDUCATION

*We're inspiring a new generation of math-skilled thinkers.*

Looking for actuaries in California – Indiana – Ohio – North Carolina

**Four new Advancing Student Achievement (ASA) math mentoring programs established:**

**Noble Avenue Elementary School - North Hills, CA**

Work with 3rd - 5th grade students in a weekly after-school math club called Achieve in Mathematics (AIM). Spend some time playing math games at one of the all school math game days. Contact the lead actuarial mentor, Jin-Dih Shih, for more information or to volunteer: [j.shih@sbcglobal.net](mailto:j.shih@sbcglobal.net).

**Worthington Park Elementary School - Westerville, OH**

Gifted math students will work with Actuaries to create and publish math contests and articles for a math magazine and for a gifted Web site at Worthington Park. The magazines will be mathematical in nature and created by students for students. Mentors will play a crucial role in helping students organize and present data for the magazine project and provide constructive comments on the Web site and magazine projects. Martin Molloy, lead mentor, is waiting to hear from you. Martin can be reached at: [martin\\_molloy@aon.com](mailto:martin_molloy@aon.com).

**Greater Clark County Schools - Jeffersonville, IN**

The Actuarial Foundation is launching an ASA program at three schools within the Greater Clark County School District: Utica Elementary, Riverside Elementary and Thomas Jefferson Elementary Schools. The activities in year one will have mentors helping students learn math concepts through the art of playing games. In year two, mentors will work with students on real world math projects found in the Foundation's Math Academy booklets such as; *Can You See It in Nature* and *Dining Out!* Each program will be held twice per month at each of the schools noted. To schedule your mentoring availability at one or more schools contact lead mentor Stephen Poor at: [spoor@humana.com](mailto:spoor@humana.com).

**The Hill Center - Durham, NC**

Actuaries are needed to mentor small groups of students in grades five through twelve during Money Works classes. Money Works is a financial literacy program that consists of grade level activities that build financial life skills such as budgeting, balancing income and expenditures, calculating interest, loans, and service charges. Erik Johnson is the lead mentor and welcomes your involvement. Contact him at: [erik\\_johnson@aon.com](mailto:erik_johnson@aon.com)

See if an Advancing Student Achievement mentoring program is available in your community and volunteer today! Go to: [www.actuarialfoundation.org/programs/youth/mentors\\_needed.shtml](http://www.actuarialfoundation.org/programs/youth/mentors_needed.shtml)

## RESEARCH, AWARDS, PRIZES & SCHOLARSHIPS

*We're moving boldly to handle the challenges of the future.*

Congratulations!

At the recent Conference of Consulting Actuaries Annual Meeting, two distinguished awards were presented. The **Wynn Kent Public Communication Award** was awarded to Vince Amoroso, FSA, EA, FCA recognizing his lifelong contributions to the actuarial profession, participation in numerous committees, speeches, papers and presentations on retirement issues and for his analytical approach to issues, quick wit and gentle nature. The **John Hanson Memorial Prize** was awarded to Jeremy Gold, FSA, MAAA, FCA, CERA and Gordon Latter, FSA for their paper; *The Case for Marking Public Pension Plan Liabilities to Market* and to Jonathan Barry Forman, J.D. and Yung-Ping (Bing) Chen, Ph.D. for their paper entitled: *Optimal Retirement Age*.



Jeremy Gold receiving award from Robert Rietz

A Banner Year for Actuarial Foundation Scholarships!

We are proud to report that 44 students were the recipients of Foundation scholarships in 2009.

**The Actuarial Diversity Scholarship** awarded 29 deserving students; **Caribbean Actuarial**

**Scholarship** had 2 high achieving recipients; **Actuary of Tomorrow-Stuart A. Robertson Memorial**

**Scholarship** had 1 top awardee and the **John Culver**

**Woody Scholarship** recognized 12

outstanding

students. Visit our

newly created Web

page introducing you

to all the scholarship winners and their photos. Go to: [www.actuarialfoundation.org/pdf/All%20Scholarship%20Winners%202009%20for%20Web.pdf](http://www.actuarialfoundation.org/pdf/All%20Scholarship%20Winners%202009%20for%20Web.pdf)



Jordan Paulus, Wartburg College (John Culver Woody Scholarship)

## Our Sincere Appreciation...

to the members of our programmatic committees who have volunteered their time, energy and expertise to Foundation projects over this past year.

### Research, Awards & Prizes

Curtis Huntington, Doug Borton, Louise Francis, Sam Gutterman, Dave Holland, Gary Josephson, Stuart Klugman, Joe Leube and Alan Stonewall

### Consumer Education

Dave Cummings, David Bahn, Bob Conger, Kathy Olcese, Anna Rappaport and Harold Skipper

### Committee for Student Achievement

Suzanne Chapa, Ed Bales, Tom Edwalds, Jeremy Fogg, Maureen Hager, Joe Kelly, Karen Shapiro, Bob Shapiro, Fred Sievert and Pat Teufel

# Spotlight on Mentoring

Pritzker College Prep (Chicago, IL)  
Noble Network Charter School

The students and teachers at Pritzker are excited about math. Pritzker College Prep created Math Teams to provide interested students an opportunity to strengthen their math skills in a fun and competitive environment. Beginning its third year, an impressive 13% of the student body participates on Math Teams, this is a higher level of participation than many sports. These students experience the same excitement of competition and thrill of a win as Pritzker's student-athletes, but their sport is math.

The Math Teams compete in at least five meets each year. Meets are half-day events

during which students compete individually and in teams against others from Chicago public high schools. The students have met with great success in the

*"The students at Pritzker are a joy to work with. They are truly motivated and excited to learn new concepts. It has been wonderful to watch the kids advance each year. I am energized every time I'm able to visit the school."*

— Suzanne Chapa, FSA

competitions. So far this year, Freshman Team is in 1<sup>st</sup> place, Sophomores are in 3<sup>rd</sup> place and the overall school is in 3<sup>rd</sup> place in their division.

Actuaries from the Chicago area have been working with the Math Teams at Pritzker

College Prep for the past 3 years. The actuarial mentors help the students prepare for these city-wide math competitions. This year the school has students competing at all four grade levels so the actuaries work with the students on everything from Algebra and Geometry to Trig and Calculus.

Thanks to funding from The Actuarial Foundation, Pritzker is able to transport the competitors to the meets with an average of 50 students competing in each meet; provide team t-shirts; computer software and graphing calculators to prepare for competitions.



Pritzker College Prep Math Teams

Gary Comer College Prep (Chicago, IL)  
Noble Network Charter School

A second Noble Network Charter School whose students participate in the new Math Teams are improving their mathematical and problem solving skills while learning the value of how math skills translate for real life situations and benefitting from working with volunteer actuaries. Knowing the correlation of students' math skills with their potential for college and career success, the campus provides twice the math instruction available in most neighborhood public high schools. Kevin Wolf, Comer's actuarial mentor, has started his second year of helping to coach student Mathletes at Gary Comer College Prep. Last year, working with the math teacher, he coached a freshmen Algebra I group of 13 students. "They participated in three meets," he said, "And won second place in their division. I'm very

proud of them. I had a wonderful time helping Ms. Cooley. We worked through past meet tests and presented larger math concepts that go beyond standard textbooks to help the students." This year Comer's freshmen and sophomores will compete in Algebra I, Geometry and possibly

*Thanks to the volunteer mentors who provided time to the students of Pritzker and Gary Comer and to their employers who so generously provided them the time to volunteer! They are:*

*Suzanne Chapa of North American Company for Life & Health*

*Tom Edwards of Munich American Reassurance Company*

*Shirley Song and Eddie Lau of Milliman.*

*Kevin Wolf of Larimer & Wolf Consulting*

Algebra II with the more advanced students. Kevin said, "I enjoy seeing the students have "ah ha" moments when they catch on to a math concept that they were struggling with. Ms. Cooley and I try new ways to make math fun. I recommend becoming a math coach whole-heartedly."



Gary Comer College Prep Math Teams

# It's easy to become a Legacy Circle Member

JUST LET US KNOW...

Perhaps you have already included The Actuarial Foundation in your will or life insurance policy, but haven't yet told the Foundation. Simply let us know by completing and submitting the form on the Planned Giving Web page at:

[www.actuarialfoundation.org/donate/form-let-us-know.shtml](http://www.actuarialfoundation.org/donate/form-let-us-know.shtml) to become a Legacy Circle Member today!

As a member, you have the satisfaction of knowing that through your generosity you'll be able to educate, enhance and therefore, change lives for the better into the future through sponsored activities such as scholarships, youth education programs, consumer initiatives as well as research to strengthen the knowledge base of the actuarial profession.

What you'll find at [www.actuarialfoundation.org](http://www.actuarialfoundation.org)



JOIN OUR EFFORTS IN PREPARING FOR  
TOMORROW'S POSSIBILITIES WITH A DONATION

### 3 EASY OPTIONS!

- 1 Give online at the Foundation's secure Web site. Monthly, Tribute and/or memorial gifts may also be designated. Go to: [www.actuarialfoundation.org/donate/index.shtml](http://www.actuarialfoundation.org/donate/index.shtml)
- 2 Send in the donor reply card included with this edition of the Newsletter;
- 3 Call us at 847-706-3535 for more information.



## Calendar of Events

**February 28 - March 3, 2010**  
Insurance Legends' Golf Classic  
and ReFocus Conference  
Henderson, NV

**March 14-16, 2010**  
401(k) Summit  
Orlando, FL

**March 15-17, 2010**  
RPM Seminar  
Chicago, IL

**March 29 & 30, 2010**  
The Actuarial Foundation  
Board of Trustee Meeting  
Rosemont, IL

**April 11-14, 2010**  
Enrolled Actuaries Meeting  
Washington, DC

**April 12-14, 2010**  
ERM Symposium  
Chicago, IL

## SUPPORTING U.S. ACTUARIAL ORGANIZATIONS

  
AMERICAN ACADEMY of ACTUARIES

  
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WORKING FOR AMERICA'S RETIREMENT



  
Conference of  
Consulting Actuaries



SOCIETY OF ACTUARIES

# “Quench The Thirst” campaign

Actuaries donate sets of *Building Your Future* financial literacy curriculum to high school classrooms across the country through the “Quench The Thirst” giving campaign!

Business people and high school teachers recognize the importance of helping students to become financially literate. At this time of widespread financial challenges, our teens must be taught how to manage money wisely so they can make smart decisions today and in the future.

According to The JumpStart Coalition for Personal Financial Literacy, the sooner students take a high school personal finance class the better they score on



Cecil Bykerk presents a set of the *Building Your Future* financial literacy curriculum to the Boston Latin Academy. Six Boston high schools have requested the materials.



*“In our current curriculum we find it a struggle to find relevant materials to compliment our instruction. The *Building Your Future* materials are just what we needed to help students grasp how important financial literacy is to everyday life. Your contribution to the future of our students is to be commended. With more professionals like you, we can really provide a solid financial background for our students.”*

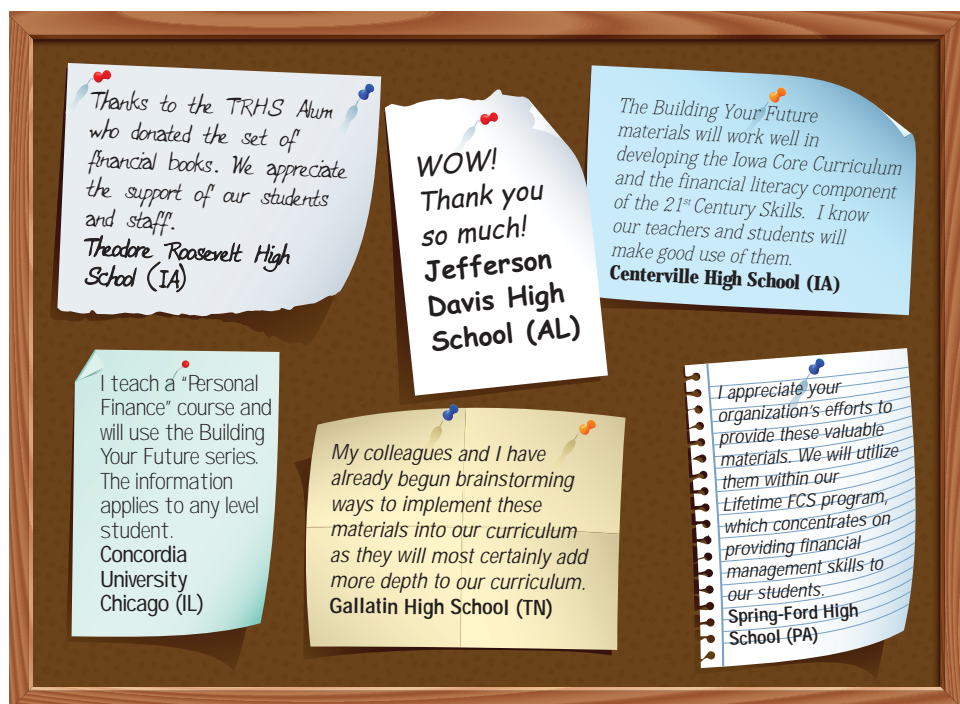
— Angela Niebrugge, Business Education Teacher  
Charleston High School (IL)

standard financial literacy tests. Of 6,000 students who took the JumpStart personal finance survey, 62% received failing scores with 60% having the lowest passing grade.

Schools are facing unprecedented budgetary challenges and with several states mandating financial literacy education, teachers are searching for supplemental teaching materials that are new, fresh and ones that students can relate to. The Foundation’s *Building Your Future* series does just that!

The “Quench The Thirst” giving campaign focuses on harnessing the interest and commitment of actuaries by helping teachers get a head start in teaching financial literacy. There are over 400 teachers asking for your donation of a classroom set of the **Building Your Future** resource materials. Please join this effort and make a difference in communities across the country. Teachers are asking for and appreciate your help.

## THANK YOU BOARD



### HERE’S HOW TO GET STARTED!

- 1 Decide to make a \$250 donation to the Foundation’s “Quench” campaign for each classroom you wish to support;
- 2 Pick a school from the hundreds of schools listed that are requesting your donation from the Web site noted below. You also have the opportunity to donate to a high school of your choosing, if you prefer;
- 3 Complete the online form or print and mail the donation form provided;
- 4 Go to: [www.actuarialfoundation.org/donate/quench.shtml](http://www.actuarialfoundation.org/donate/quench.shtml)
- 5 Submit your donation and become a part of the solution!

*Thank you!*

# Preparing for Tomorrow's Possibilities through Education

Corporate partnerships have helped fund many of the Foundation's programs for our youth, consumer and research initiatives. Thanks to all of the organizations below whose support of our mission has made so much of our work possible.  
*Corporate sponsors from 7/1/08-11/30/09.*

## VISIONARY LEVEL – \$25,000+

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### 5 YEAR GOLD STAR RECOGNITION

The companies listed with a gold star have made annual corporate contributions to The Actuarial Foundation in each of the last five years.

We thank you for your ongoing support!



THE ACTUARIAL FOUNDATION®

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