



THROUGH FIRE TO PERFECTION: The purpose of this Fraternity shall be to provide recognition, distinction and honor to those persons in ceramics whose scholarship and character qualify them for such recognition.

Volume 52 Number 1

December 2011

Message from the President

Season's Greetings to you all! It is an honor to be writing this portion of the *Keragram* as the National President of KERAMOS. Our fraternity has a rich and storied history of people and professional accomplishments. We have maintained our focus on the profession of ceramic engineering and, recently, included the broader field of materials engineering. We continue to encourage undergraduate students to make ceramic and glass materials courses a part of their education, and we support the fundamental ideal of professionalism, networking, life-long learning, and fraternal friendship through our chapters.

We have recently completed another "KERAMOS year" by holding the annual student chapter meeting and convocation as part of the MS&T'11 meeting in Columbus, Ohio. The student Mug Drop contest was hotly contested and finally won by a mug-making team from Virginia Tech (Jacob Monzel, Michelle Gervasio, Kirby Boone, Alexandra Egert, and Morgan Brown – see included photo). Our putting contest was less successful, and sadly, it was non-existent this year. It appears that most student chapters (schools) have lost the capability to fire something as big as a putter. We have asked our student members, and now we are asking all of you, to think about 1) if/how we can continue the putter contest, and/or 2) what sort of contest or activity can we initiate to replace the putting contest? Please let us know your thoughts.

Our convocation's Career Speaker was Matt Dejneka. Matt is a senior research associate in Corning's Glass Research group in Corning, NY. He earned a Ph.D. in Ceramic Science and Engineering under the auspices of a National Defense Science and Engineering Fellowship at Rutgers in 1995 and joined the glass-ceramics research group at Corning. He received the 2004 Weyl International Glass Science Award for his innovative work on transparent, ferroelectric, and magnetic glass ceramics, tapered fiber lasers, compositions for optical amplifiers, rare earth doped fluorescent microbarcodes, and negative thermal expansion ceramics. In 2005, he earned the Karl Schwartzwalder Professional Achievement in Ceramic Engineering (PACE) Award. Matt has organized seven sessions, a symposium, and the 2006 Glass & Optical Materials Division Meeting. He also served as president of Keramos from 2004-2006 and has been a member of ACerS since 1988. Currently he is investigating chemically strengthened glasses and is a co-inventor of Gorilla® Glass, used in many of today's cell phones and tablet devices. Matt is the author or co-author of 37 papers and holds 23 patents. His talk highlighted situations in one's career (with examples from his own career) in which an individual can learn and grow in a chosen profession. Thank you Matt!

The highlight of the meeting was the presentation of student chapter awards. Starting at the top, the 2011 KERAMOS Outstanding Chapter Award was captured by the Missouri University of Science and Technology. The Diamond Award for Exemplary Achievement by a Chapter was won by both The University of Illinois, and the Missouri University of Science and Technology. The Sapphire Award for High Achievement by a Chapter was won by the Pennsylvania State University. Finally, the 2011 KERAMOS Award for Most Improved Chapter went to the University of Illinois. Congratulations to all the award winners!

Now for some bad news. Our Fraternity is dangerously low on cash. There are several reasons for this but the most troublesome is that members of KERAMOS cannot pay fraternity dues if they renew their ACerS membership at the same time they are registering for the Materials Science and Technology meeting. In the past, payment of Keramos

dues through ACerS was the major source of our revenue. (Please note that if you renew on-line, you can check a box for Keramos Membership under “Additional Division/Special Interest Groups”.) Another point, often overlooked, is that membership in KERAMOS is a lifelong commitment and that to remain an active member of the Fraternity after initiation, a dues payment of \$10.00 per year is required. By the way, this amount has not changed since the early days of KERAMOS. Please make a point of sending your annual dues payment to our General Secretary, Bob Schwartz, on receipt of this *Keragram*. Our Fraternity cannot survive without your financial support.

The last thing I’d like to write about is the future of our fraternity. In the book, *Built to Last*, authors James Collins and Jerry Porras, examine characteristics of companies that are “enduring and substantial.” While each company examined unique strategies to withstand changing business environments, complex customer shifts and challenging resource questions, they conclude each has a common theme in dealing with moving their organization forward. I will not quote their exact conclusion but I will adapt it to the need of KERAMOS. ***To be a viable professional fraternal organization now and in the future we must “preserve our core and invest in our future.”***

KERAMOS is the oldest professional fraternity in continuous operation. Our organization is about our members, especially students and student chapters. I wrote above about preserving our core: annual convocation, student chapter awards, etc., but what about the future? The KERAMOS national board of directors is currently looking to provide students and alumni with greater value from membership. As the elected guardians of this society we feel a responsibility to provide opportunity for continuing professional growth and enhance networking capabilities, much as the original goals of KERAMOS were crafted. We are trying to take advantage of enhanced communication capabilities that were unavailable to our founders.

One part of the path forward is to enhance the electronic presence for KERAMOS on the internet. Brian Gilmore has an article in this issue talking about the new KERAMOS site on Linked-In. Another activity we have planned is to have video lectures available on a restricted KERAMOS web site. We envision these lectures to be given by leaders in their fields and of interest to members working in the broad areas including ceramics, glass, materials in general, and other topics that you might suggest. Please make your thoughts know on what you would like to see in such a series of video lectures.

Another plan of the board is to publish an extension of the famed KERAMOS “Blue Book,” the written history of our Fraternity from its founding in 1902 to about 1978. It has been almost 40 years since we have added to that original history and we are afraid that if we do not move soon we may lose all recollections of that period. We will probably continue the original layout of the first Blue Book with sections on the general history of the fraternity since 1978, sections on each Student Chapter, including lists of officers during that period, and featuring short biographies of prominent people in the profession. We cannot do this without your help. We’ve asked each Chapter to begin gathering records of the Chapter going back to the last publication date, but we know there will be huge gaps in the written records. Please dig back into your own records and/or personal memory to help us create an unbroken history of KERAMOS between 1978 and now. Your recollections can be sent to Bob Schwartz.

Finally, to help with our financial concerns, the national board is issuing a challenge to all members. Each of the board members has given \$100 to KERAMOS, and we challenge all members to match that amount. Note that every dime we take in is spent on ‘preserving the core and investing in our future.’

I look forward to this next KERAMOS year as one of challenges and growth for our organization. To meet those challenges and continue to grow into an important part of our member’s professional lives we need your help.

Fraternally,

Bill Hammetter
Keramos National Professional Ceramic Engineering Fraternity

Photos from the 2011 Mug Drop Contest



(Left) Keramos Treasurer Kevin Fox (L), and Vice President Greg Hilmas (R) prepare to drop a mug from one of the lower heights during the 2011 Mug Drop Contest. (Right) Dr. Hilmas drops a mug from one of the higher heights used in this year's competition.



(Left) The winning mug drop team from Virginia Tech (L – R): Jacob Monzel, Kirby Boone, Alexandra Egert, Morgan Brown, and Michelle Gervasio. Michelle Gervasio fabricated the winning mug. (Right) Liz Reidmeyer from the Missouri Chapter holds up the winning “Most Aesthetic Mug” that she fabricated.

Seeking Nominations

The Arthur F. Greaves-Walker Roll of Honor award was created in 1961 to honor one of the original founders of our Fraternity. Arthur F. Greaves-Walker was an engineer, educator, leader and champion of ceramic engineering as a profession. He served as the first *Grand Master Potter* (National President) and his influence dominated the growth of Keramos for decades. His imprint on our activities and ethos continues to this day. The Roll of Honor award recognizes senior members of Keramos who by their nature of long and honorable service have also contributed to success and well-being of the Fraternity. Nominations of any member in good standing who possesses these characteristics are sought for 2012; please submit nominations to Bob Schwartz, Keramos General Secretary at rschwartz@mst.edu.

Our Student Representative

The Board warmly welcomes Ms. Megan Gilbert, a junior in Ceramic Engineering at Missouri University of Science and Technology. Megan was elected to serve as Student Representative for 2011 – 2012 by our student members during the 2011 Convocation and Business meeting in October. Megan can be contacted at meg9r3@mst.edu.

Alumni Notes

We Want to Hear from You (Really! We do!)

L. Dean Alspach – Are there any other Penn State 1949 Ceramic Science Grads still out there? **William Crandall** – looking forward to visit to Alfred this past June. **Lou Gates** – Retired for 15 years and still enjoying the bulletin. **Chris Tina McLeod** – Moved to Antioch; working for an engineering consulting and staffing company. **Katherine Marckx Olson** – Been a member for 50 years (UW '61) Always happy to read about what's going on. **Carl Panzera** – It's always good to hear from my Keramos friends! **Donald E. Rassner** – I graduated in 1949 class at University of Illinois. We had 15 in our class. I have fond memories of our class. **Victor Tennery** – How can we maintain the identity of ceramic engineering? **Robert Verneti** – Good work by this organization as always. Remember I am the middle of three generations of Keramos members John ('38), Robert ('63) and David ('92) – all University of Illinois. **Margaret Vogel-Martin** – It's so good to see pictures of students engaged and having fun with science. Really enjoyed the 2009 Keragram!



(Left) Pennsylvania State University Relay for Life fund raiser. A total of \$2,200 was raised. *(Right)* New Keramos initiates and faculty members at the Missouri University of Science and Technology Initiation Ceremony.

2010 (“Old”) News

- In 2010, the chapter at the Ohio State University was reinstated. After many years of inactivity, a group of ceramics students at Ohio State expressed interest and put forth the effort to reestablish this historically important chapter, which is now once again providing professional development and professional service opportunities for its members. Congratulations and thank you!
 - The chapter at the University of Florida was reinvigorated. After a few years of not participating in convocation or significant annual activities, the UF chapter is once again very active. Congratulations and thank you for your efforts for our profession!
 - The members of the Keramos National Board would like to recognize the efforts of all of our 12 of our active chapters in hosting professional development, recruitment, outreach and alumni functions.
 - The Missouri University of Science and Technology was the Most Outstanding chapter, followed closely by the Penn State Chapter.
 - The Most Improved chapter was the Arizona Chapter.
 - The Missouri and Penn State chapters received the Diamond award for Exemplary Achievement.
 - The Arizona chapter received the Sapphire award for High Achievement.
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Alumni Support

Our alumni play a crucial role in sustaining and enabling the fraternity to continue to advance and promote professional development for the students. We are very grateful for your continued support – it is making a significant impact for the future. Thank you to those who sent in their dues and special thanks to the alumni listed below who have contributed beyond their annual dues:

Roland (Bud) Adams	Ralph Dean Allen	L. Dean Alspach	Joseph Baranski
Maynard Bauleke	Richard Bradt	William E. Brown	William Crandall
Donald P. Crosby	Paul S. DeHoff	Richard E. Deno	Irwin Gordon
M. Harlan Horner	Jane Howe	M. Dean Houston	James Johnson
William Kelly	Marjorie Lee	Stewart McCormick	Alfred McKinney
Chris McLeod	Edmund Moore	Ferd Mueller	
Katherine Marckx Olson	John Parrish	Audrey Prue	Christopher Prue
Francis Rensvold	Guy Rindone	Ibrahim Sekercioglu	Norman W.
Severin R. Francis Tatnall	Merton Van Dresser	Victor Tennery	Robert Thorson
Robert Verneti	Juris Verzemnieks		

Members We Lost

The Officers of the National Board Extend their Sympathies to the Families and Friends of the Following Members:

David A. Grisafe (PA 1964; Deceased January 2009) Jack A. Lytle (OH 1950; Deceased April 2005)
John A. Powell (NY 1942; Deceased June 2005) Ibrahim Sekercioglu (NY 1964; Deceased 2007)
Osgood J. Whittemore Jr. (NC 1957; Deceased July 2010)

Linked In

Starting in 2012, the Keramos National Board of Directors will launch a Keramos National Honor Fraternity Linked In website! This site will be used to:

1. promote interest in the ceramic disciplines by providing a centralized site where discussions on important materials topics can occur;
2. promote good scholarship and professional development by extending your professional network and providing links to important information that can help you as a materials scientist; and
3. encourage and recognize service to the ceramics community by its members by sharing what each chapter is doing during the year to foster interest in materials.

We look forward to you joining us at Linked In (www.linkedin.com). Search Keramos under groups to join.

National Board Member Contact Information

We want to hear your opinions, thoughts, and other information you would like to share; e-mail us:

President: William F. Hammetter wfhamme@sandia.gov Vice President: Gregory E. Hilmas ghilmas@mst.edu
Treasurer: Kevin M. Fox Kevin.fox@srnl.doe.gov Secretary: Brian Gilmore
Herald: Stephen G. Hess shess@idexcorp.com Student Rep.: Megan Gilbert meg9r3@mst.edu
General Secretary: Bob Schwartz rschwartz@mst.edu Web Site: <http://ceramics.org/classes/keramos/>

Electronic Keragram Now Available!

Would you prefer to receive an electronic rather than hard copy of the Keragram? Or would you like to receive both?
Please notify General Secretary Bob Schwartz at rschwartz@mst.edu.

Annual Dues

Annual Dues are \$10 for alumni. Make check payable to "Keramos Fraternity". If you have not paid your dues through ACerS or directly to us yet this year, please fill in the coupon below and mail to the address below. We were able to fund travel for approximately 10 students to attend the ACerS conference this year, thanks to your loyal support!

Keramos Dues and Comments:

Name: _____
Address: _____
City, State & Zip: _____
Email: _____
Annual Dues (\$10) _____ Donation: _____
Message: _____

Robert W. Schwartz
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