

# Phi Kappa Phi

*Newsletter*  
Fall 2014

Distinguished Faculty Lecture  
**Dr. Randy S. Lewis**  
Chair of the Department of Chemical Engineering

## The Phi Kappa Phi Chapter Needs Your Service!

We need faculty and staff who are members of Phi Kappa Phi to volunteer to serve as officers, as college liaisons, as judges of our contests, and as nominators of students and colleagues for our awards. It doesn't matter if you haven't paid dues for a while—you can always start again. Anyone who is interested in serving in Phi Kappa Phi, please contact Jackie Thursby ([jackie\\_thursby@byu.edu](mailto:jackie_thursby@byu.edu)), Marvin Gardner ([marv\\_gardner@byu.edu](mailto:marv_gardner@byu.edu)), or Karen Whitt ([Karen-Whitt@byu.edu](mailto:Karen-Whitt@byu.edu)).



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### *“My Engineering Journey: Fundamental Principles”*

This year's Phi Kappa Phi Honored Faculty Lecture was given by Professor Randy S. Lewis, honored for his exemplary scholarship, teaching, and service.

On November 13, 2014, Prof. Lewis shared several experiences from his adventures as a student and professor. His education took him from BYU (1982-1989) where he earned a BS degree in Chemical Engineering, to M.I.T. where he completed a

PhD (1990-94). He went on to teach at Oklahoma State (1994-2005) before completing the circle by returning to Provo as a member of the BYU faculty (2002-present). His research areas include sustainable energy, biomaterials, and biological interactions with nitric oxide. He is currently an advisor for the BYU Global Engineering Outreach (GEO) club (a group that works on humanitarian-based engineering projects). In addition to the GEO club, Dr. Lewis coordinates a class in conjunction with GEO in which multi-disciplinary engineering and technology teams work on projects that are implemented around the world. Projects have been conducted in Tonga, Peru, and Ghana.

Prof. Lewis distilled the following eight principles from his many experiences as a scientist and teacher:

- 1.** Hope is more than a desire; it is a positive attitude. Hope is an abiding trust that the Lord will fulfill His promises to you. It is manifest in confidence, optimism, enthusiasm, and patient perseverance. It is believing and expecting that something will occur. When you have hope, you work through trials and difficulties with the confidence and assurance that all things will work together for your good. Hope helps you conquer discouragement (*Preach My Gospel*).
- 2.** Honesty is not only the best policy, it is the “right” policy. Only in that state of pure honesty are we able to see truth in its complete dimension. Honesty may not be everything, but everything is nothing without honesty (*F. Enzio Busche, Ensign, Nov 1993*).
- 3.** Very small things are as important as small things. Great and marvelous events seem to motivate us, but small things often do not hold our attention. Is our journey sometimes impeded when we forget the importance of small things? Do we realize that small events and choices determine the direction of our lives just as small helms determine the direction of great ships? (*M. Russell Ballard, Ensign, May 1990*).



**4.** Bottlenecks still have narrow openings. If you do not see light at the end of the tunnel, consider it an opportunity to create an opening yourself, wherever you want (*Aschok Kallarakkal*).

**5.** Avoid spoil with toil. The principle of work has been taught from the foundation of the world. It is the bottom line of any forward motion of success. The frightening disappearance of work as a part of our basic ethic is alarming. We constantly hear the statements, “It’s too hard,” “Give me something easier,” “I want it now,” “I can’t wait that long.” The ugly disease of “nothing to do” is growing in epidemic proportions among us. It undermines the basic fabric of our nations (*F. David Stanley, Ensign, May 1993*).

**6.** Patience is a virtue of faith. Patience—the ability to put our desires on hold for a time—is a precious and rare virtue. Patience is a purifying process that refines understanding, deepens happiness, focuses action, and offers hope for peace. Patience is not passive resignation, nor is it failing to act because of our fears. Patience means active waiting and enduring. It means staying with something and doing all that we can—working, hoping, and exercising faith; bearing hardship with fortitude, even when the desires of our hearts are delayed. Patience is not simply enduring; it is enduring well (*Dieter F. Uchtdorf, Ensign, May 2010*).

**7.** Limitations are overcome by limitless opportunities. The time has now come to turn about and face the future. This is a season of a thousand opportunities. It is ours to grasp and move forward. What a wonderful time it is for each of us to do his or her small part in moving the work of the Lord on to its magnificent destiny (*President Hinckley, Ensign, Nov 1997*).

**8.** Kindness removes blindness. Kindness is the essence of greatness and the fundamental characteristic of the noblest men and women I have known. Kindness is a passport that opens doors and fashions friends. It softens hearts and molds relationships that can last lifetimes. When we are filled with kindness, we are not judgmental (*Joseph B. Wirthlin, Ensign, May 2005*).

## Workshops: Preparing for Graduate Education

## BYU Chapter of Phi Kappa Phi Annual Student Paper Competition

*Deadline: January 23, 2015*

The BYU PKP Chapter Student Council hosted a three-part workshop series about preparing for graduate education on October 28-30. While the student council feels that these workshops are a beneficial service to the BYU community, the council plans to improve the timing, content, and advertising methods for future workshops.

A similar workshop will be held early in the upcoming winter semester focused on writing personal statements for applications. The PKP Student Council also plans on organizing a service project towards the end of the winter semester.



## BYU Chapter Announcements

Please visit [phikappaphi.byu.edu](http://phikappaphi.byu.edu) for more information on the following announcements.

The **Phi Kappa Phi New Member Induction and Awards banquet** will be held *March 20, 2015*, at 7:00 pm in the WSC Ballroom.

The BYU Chapter of Phi Kappa Phi is pleased to sponsor a university-wide outstanding research paper competition for undergraduate students. Any research paper of 8-30 pages written during 2014 in any discipline is eligible. Cash prizes will be awarded for first (\$400) and second-place (\$200) winners at each class level (freshman, sophomore, junior, senior). To be considered for an award, the research paper must be nominated by the BYU faculty member or administrator for whom it was written.

### *Criteria for Research Papers:*

The paper should be an academic paper written for any regular course during the 2014 calendar year. This does not include Honors theses, papers written for independent research credit classes, multiple-authored papers, papers that have already been published, papers that have been submitted to a journal and have received peer review, and papers written solely for a national or international conference. Because papers must include original research, those written solely as reviews of literature are not eligible. A professor may nominate more than one paper. The paper must be double-spaced and be 8 to 30 pages in length. The paper should follow the accepted writing and documentation style for the discipline in which it is written (e.g., MLA, APA, etc.).

Please visit [phikappaphi.byu.edu](http://phikappaphi.byu.edu) for more details on submission formatting. You may email Lorraine Wood at [pkpwritingcontest@gmail.com](mailto:pkpwritingcontest@gmail.com) with any additional questions or comments.



## Membership Materials and “Bling” Still Available!

If you were inducted into Phi Kappa Phi this year, but did not attend the banquet, you may still claim your membership packet at 2006 JKB. Students planning to graduate this summer may also purchase Phi Kappa Phi medallions and cords there (\$10 each, payable by cash, check, or Signature Card). Anyone desiring a Phi Kappa Phi T-shirt may purchase one for \$5 from the same office.

## National PKP Announcements

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Apply for the following scholarships & fellowships!

### **Phi Kappa Phi National Fellowship (\$5,000-\$15,000)**

*Deadline: February 6, 2015*

*(see [phikappaphi.byu.edu](http://phikappaphi.byu.edu) for details)*



### **Phi Kappa Phi Study Abroad Award (\$1,000)**

*Deadline: February 15, 2015*



### **Phi Kappa Phi Love of Learning Award (\$500)**

*Deadline: April 1, 2015*



### **Phi Kappa Phi Literacy Grant (\$2500)**

*Deadline: April 1, 2015*

**Other Notifications:** Beginning with the 2014-2016 biennium, Phi Kappa Phi's award and grant programs will reflect new changes that include two new programs (Dissertation Fellowships and the Excellence in Innovation Award), dual cycles, and an increased number of available awards for the **Study Abroad Grants** and **Love of Learning Awards**. Visit [phikappaphi.org](http://phikappaphi.org) for more details!

**PKP**