

THE  
**RAE DOROUGH**  
**SPEAKER**  
**SERIES**  
 2015-16 SEASON  
 BANKHEAD  
 THEATER



**October 27, 2015**  
**Tuesday, 7:30 pm**

**ALEX FILIPPENKO**  
**Black Holes in Space – Hearts of Darkness**

Astrophysicist Alex Filippenko will explain why black holes are no longer confined to the fertile imaginations of science fiction writers and theoretical physicists. Dr. Filippenko is an award-winning professor of astronomy at University of California, Berkeley. Black holes are regions of space where gravity is so strong that nothing, not even light, can escape. Mass black holes can form during the deaths of some types of massive stars, and supermassive black holes are found at the centers of galaxies. Come learn about the remarkable properties of these bizarre objects.



**November 5, 2015**  
**Thursday, 7:30 pm**

**ANNIE BARROWS**  
**The Exact Center of the World: Family, Lies, and Fiction**

Annie Barrows will talk about the vital link between family history—reliable and not-so-reliable—and fiction, using her experiences as co-author, with her aunt, of The Guernsey Literary and Potato Peel Pie Society and as author of her latest novel, The Truth According to Us. “Guernsey” was a publishing phenomenon, resulting in over three million copies in both hardcover and paperback and speaking engagements for Barrows all over the United States. She is also the author of the popular children’s series “Ivy and Bean.”



**February 25, 2016**  
**Thursday, 7:30 pm**

**ALLISON MACFARLANE**  
**Fukushima Nuclear Crisis: Lessons Learned**

Dr. Allison Macfarlane led the Nuclear Regulatory Commission (NRC) from 2012-2014. She and the NRC studied Japan’s Fukushima Dai-ichi nuclear complex that was severely damaged by a tsunami in 2011. She has overseen the implementation of new safety measures for nuclear reactors and will discuss how we can avoid such accidents in the future along with options for permanent storage of nuclear waste.



**April 14, 2016**  
**Thursday, 7:30 pm**

**ASTRO TELLER**  
**Rapid Innovation as an Experimental Design Process**

Astro Teller leads Google[x] and is an entrepreneur, scientist, author, and expert in the field of Intelligent Technology. As the Captain of Moonshots, he oversees Google[x], Google’s “factory” for building moonshot ideas that can be brought to reality through science and technology — including Google Glass and self-driving cars. Dr. Teller and his team have found a set of company behaviors, perspectives and habits that have proven useful in producing radical improvements on each technical problem with which they are involved.

*The Speaker Series honors Rae Dorough, who was a respected Livermore resident and supporter of many cultural events. Her family were initiating sponsors. The series features provocative, entertaining and enlightening speakers on a diversity of topics.*

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\_\_\_\_ Accessible seating is required.



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