

## Engaging, Interactive and Thought Provoking

Join us at the Bankhead Theater for an up close and interactive experience that is not possible in larger venues. The intimacy of the Bankhead brings our guest speakers and audiences closer together providing a unique opportunity for dialogue that is appreciated by both.

Each presentation concludes with an opportunity for attendees to ask questions in what often turns into a lively give and take on the topical subjects presented, which range from literature, history and journalism to technology and cutting edge science. Speakers typically make themselves available for continued discussion and to sign books in the lobby of the theater.

Come experience an unforgettable and enlightening evening that will illustrate why Rae Dorough Speaker Series has become a mainstay of Tri-Valley's vibrant cultural life.

### LEARN MORE ABOUT OUR SPEAKERS

[RaeDoroughSpeakers.org](http://RaeDoroughSpeakers.org)

 [facebook.com/RaeDoroughSpeakers](https://facebook.com/RaeDoroughSpeakers)

**PURCHASE TICKETS ONLINE**  
[lvpac.org](http://lvpac.org)

*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.*

### THE SERIES IS SPONSORED IN PART BY



Sandia  
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### Roger Bales

02/15/2018 @ 7:30 pm

#### AVOIDING CALIFORNIA'S NEXT WATER CRISIS

Are the Sierra Nevada headwaters drought resilient and what have we learned from the 2011-15 drought? Learn about sustainable water supply and actions that the state can take to provide a secure water future. Roger Bales, UC Merced and Adjunct Professor at UC Berkeley has been active in water and climate-related research for 30 years. He understands how to implement measures that adapt water supplies, ecosystems, and the economy to the changing water supplies. He will discuss how infrastructure and institutions must work together to provide a secure water future and how headwaters impact local groundwater sustainability.



### Ben Santer

03/29/2018 @ 7:30 pm

#### FINGERPRINTING THE CLIMATE SYSTEM

How and why did the scientific community identify a human-caused warming signal and why do scientists believe that human-caused fingerprints are ubiquitous in the climate system? How do climate variables factor into the climate change conclusions by scientists? Dr. Ben Santer holds a Ph.D. in climatology and is a recipient of numerous national and international awards related to biological and environmental research. He will discuss the identification of a number of different climate variables that lead to the conclusion that climate change is related to human influence.



New Ideas

Diverse Opinions

Global Awareness

Fascinating Topics

Fresh Perspectives

Interesting Speakers

**COME TO  
RAE DOROUGH  
SPEAKER SERIES!**

*Our guest speakers offer  
unique insights that range  
from literature, history and  
journalism to technology  
and cutting edge  
science.*



**David Vassar**  
 10/05/2017 @ 7:30 pm  
**YOSEMITE AND HETCH HETCHY: WHY NATIONAL PARKS?**

On the heels of the 2016 Centennial Celebration of the U.S. National Park Service, where did it all begin? Oscar®-nominated and Emmy®-award winning writer and director, David Vassar will present and discuss clips from his films that feature Yosemite as the "Birthplace of the National Park idea" and highlight the loss of the Hetch Hetchy Valley in 1913 as the impetus for the creation of the National Park Service in 1916. He will discuss the historic context of each film clip. Vassar's films focus on the natural world, parks and environmental issues. He also will offer personal and professional insight into the filmmaking process.



**David Shoemaker**  
 01/18/2018 @ 7:30 pm  
**GRAVITATIONAL WAVES- THE NEW COSMIC MESSENGER**

100 years ago Albert Einstein predicted in his general theory of relativity that there are ripples in space-time – gravitational waves. On September 14, 2015, the Laser Interferometer Gravitational-wave Observatory (LIGO) successfully measured gravitational waves that were a result of the merger of two black holes. This event launched a new era of gravitational-wave astronomy. David Shoemaker served as Leader for the LIGO Project and is its Scientific Collaboration Spokesperson – elected to speak on behalf of gravitational wave science and affiliated scientists in 15 countries. The second observational period will end in Summer 2017. David will update on recent developments and the future for this avenue of research.



**Elisabeth Rosenthal**  
 12/12/2017 @ 7:30 pm  
**AN AMERICAN SICKNESS: HEALING OUR HEALTH SYSTEM**

Why are American health costs 2-3 times more than elsewhere in the developed world? What are the challenges and threats that it faces today?



Elisabeth Rosenthal is the author of the best selling *An American Sickness*, a penetrating investigation into America's healthcare system. She holds an MD from Harvard Medical, worked as an ER physician and for 22 years was an award-winning reporter at The New York Times – acclaimed for coverage of health and policy issues. Her presentation will show ways that America could make reforms in the delivery and funding of health care and how changes would affect us.

**LEARN MORE ABOUT OUR SPEAKERS**

RaeDoroughSpeakers.org

facebook.com/RaeDoroughSpeakers

**PURCHASE TICKETS ONLINE: LVPAC.ORG**

**Individual Seating by Section (diagram at right)**  
**A: \$40 | B: \$36 | C: \$32 | Students: \$16**

**SEASON SUBSCRIPTION ORDER FORM  
 MAIL ORDERS ONLY**

**SINGLE TICKETS GO ON SALE TO THE PUBLIC JULY 1, 2017**

**SERIES OF FIVE LECTURES:**

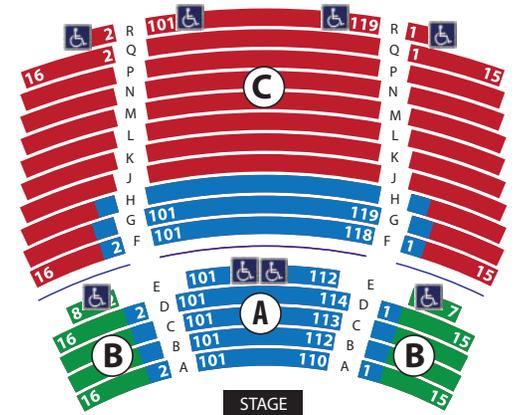
**Prior to September 30, 2017**

**A LEVEL: \$170 | B LEVEL: \$153 | C LEVEL: \$136**

**After October 1, 2017**

**A LEVEL: \$200 | B LEVEL: \$180 | C LEVEL: \$160**

**\$16 for Students 21 and Under**



**Quantity of Season Subscriptions:**

**A Level @ \$ \_\_\_\_\_ X \_\_\_\_\_ (QTY TICKETS) = \$ \_\_\_\_\_**

**B Level @ \$ \_\_\_\_\_ X \_\_\_\_\_ (QTY TICKETS) = \$ \_\_\_\_\_**

**C Level @ \$ \_\_\_\_\_ X \_\_\_\_\_ (QTY TICKETS) = \$ \_\_\_\_\_**

**I would like to make a donation of \$ \_\_\_\_\_**

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

MAIL TO: BANKHEAD THEATER, 2400 FIRST STREET, LIVERMORE, CA 94550