

*"I thoroughly enjoy listening to lectures especially those of historical importance.*

*As I plan my week I look forward to my UCALL classes the most. Thank you Union College for providing such enlightening opportunities for continued learning."*

*– Pete Lewis*

*"This was my first experience with UCALL and I enjoyed it very much."*

*– Jean Acker*

*"Not only are the presenters full of information, but the audience members contribute so many interesting facts/comments because of their vast and diversified experiences."*

*– Anonymous*

*"Interesting information with no exams! Five-week format allows deep dive into subjects."*

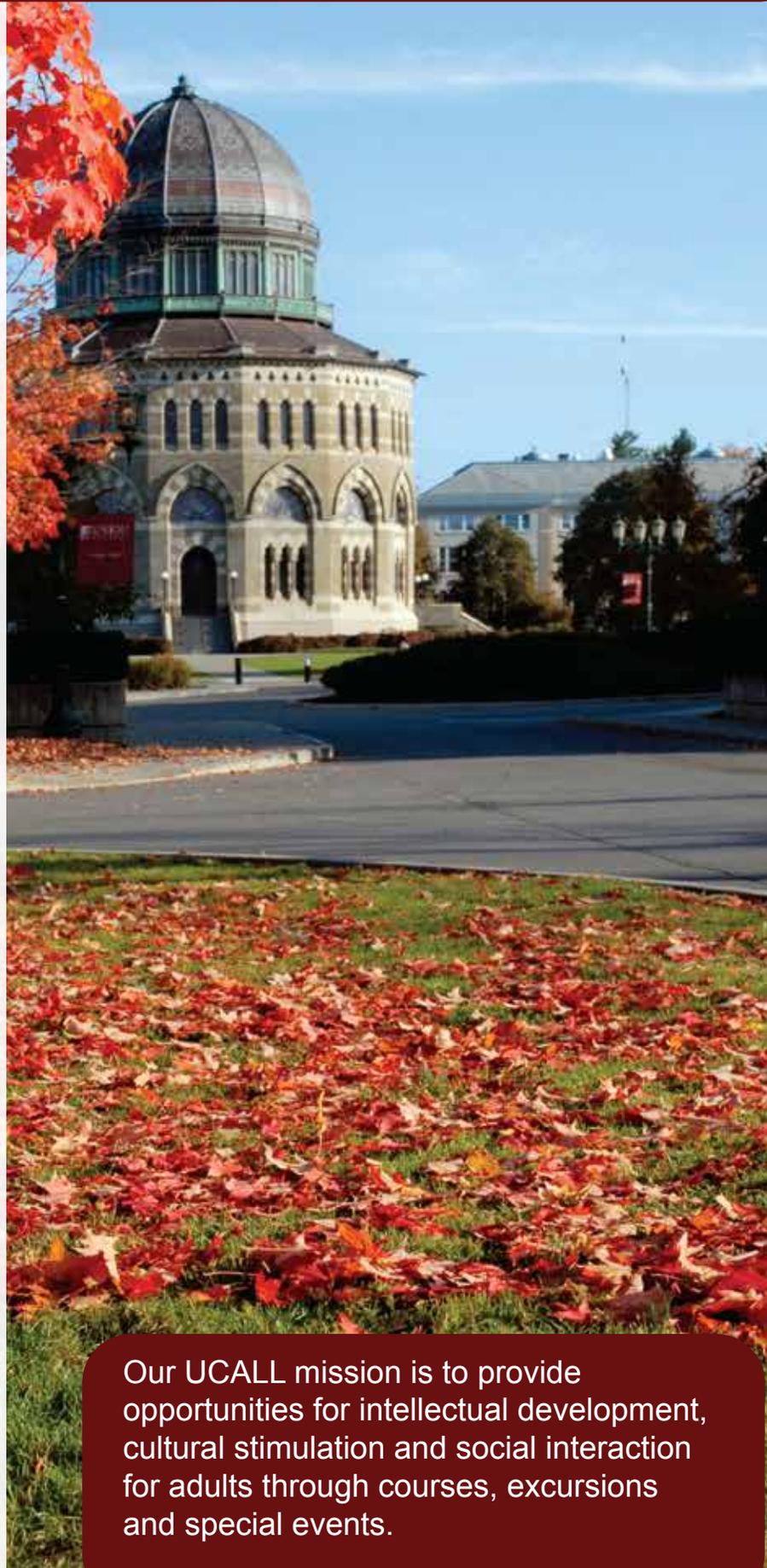
*– Diane Barney*

*"We have enjoyed UCALL for many years. We always find the courses interesting and we learn many new things as well as being intellectually stimulated. We like that it 'keeps us in the loop' by letting us know what events are happening at Union College that we can attend."*

*– Dick & Lois Mendelson*

*"The music class was just lovely. Hearing young musicians perform was a treat and the lecturer was excellent."*

*– Eleanor Aronstein*



Our UCALL mission is to provide opportunities for intellectual development, cultural stimulation and social interaction for adults through courses, excursions and special events.

**Food for Thought: Historical People, Places and Things**

**Greg Sauer** will begin the series with *The Fur Trade and the Exploration of America*. Greg will take us on a journey, relating how a war between Sweden and Germany led to a fashion statement that resulted in the founding of Albany. Plus, he will discuss the competition between England and France for continental dominance as well as a visit with the pathfinders who led the first settlers into the far American West. Dr. **Bruce Maston, MD, JD** will next present *Alexander the Great and his Elephant Coins* explaining how they changed our understanding of Alexander's times. **Don Gavin** will discuss the history of the US Postal Service from its beginning up to the present time. **Gino Di Carlo** will present *Trolleys of the Capital District* using materials from a book he authored of the same title. **Michael Diana**, Education and Programs Manager for the Schenectady County Historical Society, will present *Mysteries of the Mabee Farm*.

**Coordinator: Jim Burns**

**9:30 to 11:30 AM**

**Beyond Computers 101: Security, Robotics, Artificial Intelligence and Big Data**

**Michael Kanciruk** of ComputeRx will open the series with a focus on *Security for Home Computers*, including external vulnerabilities and common practices that leave us vulnerable. Fake pop-ups, scamware, ransomware and strategies to combat will be discussed. **Erik Tkaczyk** of GE Global Research will discuss *Big Data and Artificial Intelligence: How Both Might Intrude Upon and Enrich Your Life*. Artificial intelligence allows governments and business to provide more personalized products and services. However, the flip side is that increasingly sophisticated tools are available to influence our choices and priorities. Union College Computer Science Professors **Matt Anderson** and **John Rieffel** will discuss *Privacy, Trust and Identity in the Age of Surveillance*. Groundbreaking technological advances ranging from gene sequencing to self-driving cars have quickly outpaced thoughtful discussions about their ethical, social and cultural consequences. In many cases, innovation carries unintended costs and consequences. Will robots someday replace us? **John Rieffel** and his colleague Union Professor **Nick Webb** will introduce *Our New Robotic Overlords!* They will present the technological and historical origins of artificial intelligence and robots as well as a glimpse of what the near future of robotics will look like. Fortunately, they will also give brief tips about what to do in the unlikely event of a "robot uprising." Dr. **Kenneth C. Budka**, of Nokia Bell Labs, will present *Communications for the Automation of Everything Era*. The next industrial revolution will be driven by the digitization of all physical systems, allowing an unprecedented degree of automation and productivity. This talk will describe the dramatic evolution in networking and communications that are underway to make this "automation of everything era" possible.

**Coordinator: Phyllis Budka**

**12:30 to 2:30 PM**

**Wednesdays, October 3, 17, 24, 31, November 7**

**Crime, Chaos and Calculation: The Elections of 2018**

Union College Professor **Cliff Brown** returns to discuss President Donald Trump's impact on American political institutions and practices, and the politics of the 2018 mid-term elections. How is Trump reshaping American politics – and, are Democrats capable of responding to his initiatives? A follow-up sixth UCALL session a week after the elections will be considered.

**Coordinator: Jim Comly**

**9:30 to 11:30 AM**

**Wednesdays, October 3, 10, 17, 24, 31**

**Opera: Love, Hate – Destruction!**

**Josef Schmee**, Union College Professor Emeritus, returns to present how love and hate, side-by-side, make for great operatic stories. They contribute to the destruction of many characters. In Charles Gounod's *Romeo et Juliette*, hatred between the Capulets and





Montagues ends with the death of Romeo and his Juliette. None of the beautiful melodies and arias expressing their love can save them from their premature death. Verdi's *Simon Boccanegra* is even darker. It takes place in 14th century Genoa with the conflict between the Guelphs and Ghibellines as a backdrop. Simon can't have his Maria and perishes but at least their daughter gets her man. Jacques Offenbach loved Greek mythology. In his *La Belle Helene*, Helene was married to Menelaus but eloped to Troy with handsome Paris. He shows the resulting conflict between Troy and Greece, a cold war gone red hot. Who could make fun of such a serious situation? Well, Offenbach can. *Adriana Lecouvreur* was not only a famous French actress but is also the protagonist of Francesco Cilea's eponymous opera. She gets poisoned by a bouquet of flowers sent to her by a hating rival for the love of the tenor. Dimitri Shostakovich's second opera *Lady Macbeth of the Mtensk District* is based on a 19th century novella of unsatisfied marriage with illicit love and ultimate betrayal. It is one of the most fateful operas ever written. Not only does the lead Katerina Ismailowa lose her life, Shostakovich himself was in danger of losing his own due to Stalin's aversion to this opera. Such is the power of love and hate.

**Coordinator: Jim Comly**

**12:30 to 2:30 PM**

**Thursday, October 4, Wednesday, October 10 & Thursdays, October 18, 25, November 1**



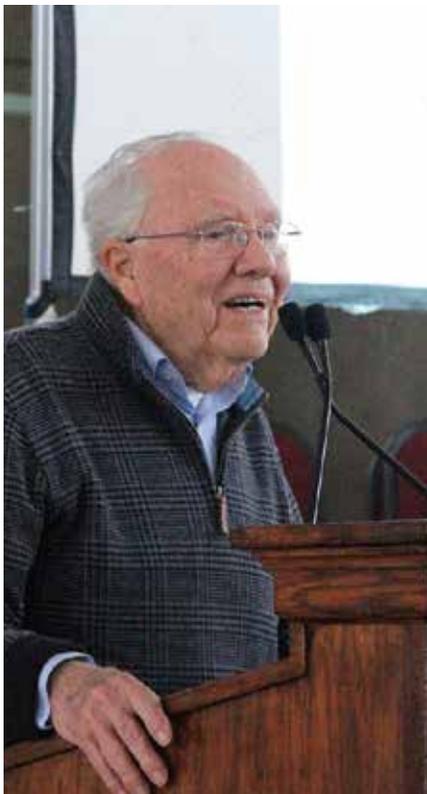
### **Science: Past, Present and Future**

The first hour of our first session, Union College Professor Emeritus **Carl George** will relate, based on his years of study, *Twenty-Four Stories from Collins Lake*. The second hour, **Phyllis Budka** will speak about meteorites and show specimens from her extensive collection. In the second session, Professor **Eric Alani** of the Department of Molecular Biology and Genetics at Cornell, will discuss his lab's efforts in studying how DNA mismatch repair reduces the rate of mutations and how his work in the model system, baker's yeast, can be used to understand human disease. For the third session, Dr. **Lisa Amati** of the NYS Museum; State Paleontologist, Curator of Invertebrate Paleontology, will tell us the story of the Earth's oldest trees and show some of their fossils found at Gilboa, New York. In the fourth session, Union College Professor Emeritus **George Shaw** will present his answer, based on his book - *Earth's Early Atmosphere and Oceans, and The Origin of Life* - to the long-standing scientific puzzle, how did life on Earth get started? In our final session, Professor Shaw will discuss the subject of his latest book, *Navigating the Energy Maze: The Transition to a Sustainable Future*. He will deal with how we humans may avoid the harmful effects of our continuous addition of carbon to the atmosphere and manage our transition from heavy reliance on fossil fuels to sustainable energy sources, without seriously disrupting the economy and our comfortable way of life.

**Coordinator: Phil Adams**

**9:30 to 11:30 AM**

**Thursdays, October 4, 11, 18, 25, November 1**



### **Shakespeare - Understanding His Stagecraft Through His Language**

**Sandy Boynton**, retired director of the Schenectady County Community College's Performing Arts-Drama Program, will lead us in a five-week seminar to deepen our understanding and knowledge of the Bard's work. Perhaps you revere Shakespeare more than you enjoy him. This course aims to redress that imbalance. We shall spend time getting to know a range of Shakespeare's plays in detail: *The Merchant of Venice*, *Othello*, *Twelfth Night*, *Richard III*, and *The Tempest*. This knowledge will be supplemented with information about their historical background, their theatrical history, the context in which they were performed and the various ways in which the audience interacted with the performers. Sandy will guide us through an understanding of the early modern English theatre explosion, verse and the tragic play, prose, music and the comic play, history and fiction and staging innovations. Audience participation is heavily encouraged, though not required. Due to the interactive quality of this format, there will be a limit of 40 participants. Free online play texts as well as readily available library texts will be used.

**Coordinators: Peggy King, Paul O'Brien, Jenny Overeynder** **12:30 to 2:30 PM**

# Union College Academy for Lifelong Learning

Union College Academy for Lifelong Learning (UCALL) is a membership-based program for adults who enjoy learning. Our courses cover a wide range of topics and are presented by UCALL members, Union College professors or other qualified speakers. UCALL courses are non-credit and require no exams or pre-requisites. Classes are held for five 2-hour weekly sessions in the fall and spring on the Union College campus. Parking is available at College Park Hall, located on lower Nott Street. Bus service is available to shuttle participants from the College Park Hall parking lot to class locations. Persons with special needs or requests, please contact Valerie D'Amario at 388-6072.

Established in 1988 on the historic Union College campus, UCALL serves the adult community of the Capital District. Now over 500 members strong, UCALL continues the Union College tradition of academic excellence.

Benefits of membership include: participation in UCALL courses, special events and excursions; UCALL Newsletter subscription; borrowing privileges at the Schaffer Library; tuition waiver to audit one undergraduate course (based on availability) and information about Union College events.

## FRIENDS OF UCALL

Friends of UCALL is a tax-deductible, voluntary, annual contribution fund. Its purpose is to support our mission and provide a financial backup for contingencies that may arise in our regular operations.

Thanks to all who voluntarily contribute to the Friends of UCALL Fund we can ensure that existing and future members will enjoy quality educational programs for years to come.

The UCALL Steering Committee acknowledges all participants in Friends of UCALL in the 2017/2018 academic year, as shown below. If you have contributed since this listing went to press, you will be on subsequent updated lists.

DONATION CATEGORIES ARE: Lifelong Learner: \$500 or more | Academician: \$300-\$499 | Scholar: \$100-\$299 | Donor: \$10-\$99  
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\*Affiliated with a matching  
gift company.

# UCALL Membership Registration Form - Fall 2018

Mail completed form and all payments to:  
UCALL, Union College, 807 Union Street, Schenectady, NY 12308

Name(s) \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_ Email \_\_\_\_\_  
Are you an Alumnus/Alumna of Union College? Yes  Graduation year \_\_\_\_\_  
Are you a new or returning member? New  Returning  Year Joined \_\_\_\_\_  
If you are a new member, how did you learn about UCALL? \_\_\_\_\_

**FEES:** Annual membership fee (September – August) is \$75.00 per person. Tuition is \$30.00 per course. If you pay for two courses, you may enroll in additional courses without an extra tuition fee, provided there is space.

**Please make your check payable to UCALL.**

**COURSE SELECTION:** In the spaces provided, indicate the name of the course(s) for which you would like to register in order of preference. Classes are filled on a first-come, first-served basis. Some classes fill quickly, so we urge you to register early.

**Please return your registration form no later than September 5, 2018. You will receive a confirmation of your registration/course enrollment within two weeks before the start of classes.**

Individual Member Name _____	Member Spouse Name _____
First Course _____ \$30 _____	First Course _____ \$30 _____
Second Course _____ \$30 _____	Second Course _____ \$30 _____
Extra Course _____ NO CHARGE	Extra Course _____ NO CHARGE
Extra Course _____ NO CHARGE	Extra Course _____ NO CHARGE
Extra Course _____ NO CHARGE	Extra Course _____ NO CHARGE
Extra Course _____ NO CHARGE	Extra Course _____ NO CHARGE
Annual Membership Fee \$75 _____	Annual Membership Fee \$75 _____
Subtotal Individual Member \$ _____	Subtotal Individual Member \$ _____

Grand Total \$ \_\_\_\_\_

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If you would like to make a tax-deductible contribution to Friends of UCALL, ***please send your donation in a separate check.***

Please indicate how you would like your name(s) to appear on our donor listing \_\_\_\_\_

Amount of donation \$ \_\_\_\_\_

Yes, I am affiliated with a matching gift company. Direct your match to the Trustees of Union College.

Name of company \_\_\_\_\_

(If eligible for GE Foundation Matching Gift, please call: 1-800-305-0669)

Office Use:

UCALL Check # \_\_\_\_\_ Amount \$ \_\_\_\_\_ Date Received \_\_\_\_\_ Confirmation Mailed \_\_\_\_\_

FOU Check # \_\_\_\_\_ Amount \$ \_\_\_\_\_

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*Look for UCALL  
Special Events  
& Excursions to be  
announced in upcoming  
newsletters!*

**UCALL**  
Union College  
807 Union Street  
Schenectady, NY 12308

Phone: (518) 388-6072  
Website: [www.union.edu/UCALL](http://www.union.edu/UCALL)  
Email: [ucall@union.edu](mailto:ucall@union.edu)

**Staff**  
Valerie D'Amario, Director

**Office Hours**  
Tuesdays & Thursdays  
9 a.m. to 2 p.m. (and by appointment)

Photos Courtesy of  
Jim Comly and Howie Eskin