Oak Ridge Institute for Continued Learning

Winter/Spring 2018

February 5 through April 27, 2018
Online Registration Opens January 2

ORICL - Enriching Lives Through Continued Learning

“ORICL... A perfect blend of those who love to learn with those who love to teach”
Information about ORICL

Oak Ridge Institute for Continued Learning is sponsored by Roane State Community College. ORICL is administered by a board of directors elected by the members. Roane State provides classrooms, an office, and administrative support. Residents of Oak Ridge and the surrounding area of all backgrounds and educational levels are invited to become members of ORICL. Its programs are designed to respond to the interests of the participants, who may take courses, go on group trips, or join in other activities.

In order to attend classes and activities, it is necessary to join the Institute as a dues-paying member. The fee for membership is $100 for the full year's three terms beginning in September; $80 for two terms beginning in February; and $45 for the summer term only. We would appreciate two separate registration forms from couples, even if both wish to take the same courses. Online registration will open January 2 and paper registrations will be input beginning January 3; members may choose up to 10 classes, including trips. Paper registrations will be accepted in the office beginning December 5; registrations will be input in the order they are received. Participants are asked not to arrange substitutes for trips or classes, as we may have waiting lists. Out-of-town guests may be class visitors for one session on a space-available basis. Call the office for availability, as seating is sometimes limited. For trip participation, however, you must be an ORICL member.

Classes and activities for the Winter/Spring 2018 term begin Monday, February 5th and end on Friday, April 27th. Class schedules can be picked up on January 22-23. Those not picked up will be mailed. If you receive notification that you are on a waiting list, you will be notified by phone if a space becomes available for that class/trip.

Some courses, such as cooking and art, may entail additional fees for materials; the fees are non-refundable a week before class begins. Trip fees are non-refundable after the listed date. After receipt of acknowledgment that you are assigned to that class or trip, please send fees to the ORICL office. All class fees and trip fees are due by February 5th.

Registration Procedures:

We have implemented a new web-based registration program. You may register for up to 10 classes including trips. You may register online or submit a paper registration to the office. Registrations submitted to the office will not be put in the system until registration opens. Class fulfillment will be on a first come, first served basis. The earlier you submit your registration the better chance you will receive the classes you choose. We will take paper registrations beginning Tuesday, December 5th.

Online registration will open at 9:00 a.m. on Tuesday, January 2nd. Paper registrations will be input beginning at 9:00 a.m. on Wednesday, January 3rd. **If you paid in the Fall, no membership fee is due. If you are new to ORICL, the membership fee of $80 is now due.**

If you have any questions about the online registration process, please call the office at 865-481-8222. We will be glad to answer your questions.
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#### Trips

703—708: Descriptions for 6 trips/activities
100  Beading Basics  Fee:  $15

This class will offer a peek into the world of beading. Students will try their hand at designing jewelry by beading a bracelet. At the beginning of the session, different bead and stringing types will be discussed and a demonstration of the process will be given. The second hour of class will be a hands-on designing and beading session with students stringing their own bracelet of glass beads. Classes will meet at the Oak Ridge Art Center, 201 Badger Avenue, Oak Ridge.

Leah Marcum-Estes is the Director of the Oak Ridge Art Center. As a museum professional and arts educator for over 30 years, she has worked with artists and techniques in Tennessee and Kentucky.

One session: Thursday, 10:00 a.m. - 12:00 p.m., March 22

101  Hand-Built Mugs  Fee:  $40

Students will work with clay to make two simple hand-built slab mugs. They will learn to roll out slabs, construct a simple mug shape with them and add decorative designs and/or embellishments. Pieces will then be bisque fired before students return for the second session to glaze the mugs. Students will return for the third session to pick up the finished mugs. Classes will meet in the pottery studio at the Oak Ridge Art Center, 201 Badger Avenue, Oak Ridge. Students should wear washable clothes and shoes and be prepared to play in the “mud.”

Bill Capshaw is a member of the Advisory Board of the Oak Ridge Art Center, where he oversees the planning and operation of the pottery studio and teaches beginning to advanced classes. He received a Bachelor of Fine Arts (Ceramics) in 1971 and a Master of Fine Arts (Printing Process) in 1974. In addition to teaching at the Art Center, he has given workshops at facilities such as the Appalachian Center for Crafts, Arrowmont, John C. Campbell Folk School, and Vanderbilt University. As a professional artist, he competes locally and on a national level, has received many awards, and is represented in many museum collections.

Three sessions: Thursdays, 9:00 a.m. - 12:00 p.m., February 22; March 1, 8

102  Learn to Glaze Pottery  Fee:  $65

Students will select a bisque piece of pottery for glazing the first session and return the second session to pick up the works of art. Instructions and demonstrations on glazing will be provided for each persons’ selection. The class will discuss all work prior to finishing and after the pieces are complete. All glazes and pottery pieces will be provided by the Oak Ridge Art Center. Classes will meet at the Oak Ridge Art Center, 201 Badger Avenue, Oak Ridge.

Bill Capshaw, see bio listed above.

Two sessions: Thursdays, 9:00 a.m. - 12:00 p.m., April 5, 12
103 Voyage of the Vikings

Travel with us along the route of Viking explorers as they expanded their settlement throughout the countries of Northern Europe, across the north Atlantic, and eventually to North America. We will explore Norway by traveling through the Norwegian fjords to Bergen, Geiranger, and Stavanger and by taking a ride on the Flam Railway. As we move into the countries of Denmark, Sweden, Finland, Estonia, and Russia you will see just how extensive an area their explorations covered. You will be able to see the Citadel in Copenhagen, the Vasa Museum in Stockholm, Catherine’s Palace, the Hermitage Museum, and the Church of the Savior on the Spilled Blood in St. Petersburg. We will visit the Antrim Coast Road north of Belfast, Ireland, one of the world’s most beautiful coastal roads and later visit the Cobh Cemetery where many of the victims of the Lusitania were buried. As the Vikings set out to sea for new regions, you will be able to walk in the rift in Iceland of the continental drift between the North American and Eurasian tectonic plates at Thingvellir National Park, walk on the Vatnajokull Glacier, and feel the cold spray of the Golden Falls (Gullfoss) on the Hvita River near Reykjavik, Iceland. On Heimaey Island you will see the Eldfell Volcano that erupted without any warning and covered much of the island in 1974. You will learn about the Icelandic heating system where geothermal energy meets the heating and hot water requirements of around 87% of the nation’s housing. The huge icebergs in Prince Christian Sound in Greenland will remind you of the sinking of the Titanic. This is just part of the Viking adventure that you will experience on the route of the Vikings as they made their voyages throughout the world.

Sharon Cottrell Wright graduated from the University of Tennessee with a degree in the Natural Sciences. She started her 29 year career at TVA in Fisheries, later becoming a conservationist working with the Young Adult Conservation Corps, and finally becoming a systems analyst in Information Services. After retiring from TVA, Sharon started traveling and documenting her travels with photography. Using her photographic images, she has shared all of her travel experiences around the world with area photography clubs, historical societies, churches, and many other clubs and organizations.

Two Sessions: Mondays, 2:30 - 3:40 p.m., February 5, 12

104 Tips on Travelling to Foreign Countries

Every year over 30 million Americans visit foreign countries. Seasoned travelers are familiar with what to expect and are likely to have very little trouble. For the inexperienced traveler, however, travelling in an unfamiliar place and coping with a foreign language can be frustrating. The tips in this presentation are intended to increase the likelihood that a traveler will have an enjoyable and memorable trip. While the tips offered should also help provide for a safer trip, they cannot provide a guarantee against all contingencies.

Published works by Dewaine Speaks are “Wild About Mary,” a short story; Preparing for International Travel, an informative travel book; Weston Fulton Changed the World, a biography of Tennessee’s most prolific inventor; and East Tennessee in World War II, the story of the contributions to the war effort by East Tennesseans. He earned a BA with a major in Economics from the University of Tennessee, where he was a member of the Volunteers baseball team. Mr. Speaks retired from a career in marketing of industrial equipment, domestically and internationally. He was a member of the United States Air Force, and the Tennessee Air National Guard. He is currently a member of the East Tennessee Veteran’s Honor Guard.

One session: Monday, 1:00 - 2:10 p.m., February 19
105 Cruise through the Indian Ocean

In December 2017 and January 2018 Frank and Carol Plasil plan to take a 30-day cruise through the Indian Ocean. The ports of call from Cape Town, South Africa, to Singapore, are as follows: Mossel Bay (SA), Port Elisabeth (SA), Richards Bay (SA), Maputo (Mozambique), Nosy Be (Madagascar), Dar Es Salaam (Tanzania), Zanzibar (Tanzania), Mombasa (Kenya), Mahe (Seychelles), Male (Maldives), Colombo (Sri Lanka), Phuket (Thailand), Penang (Malaysia), Kuala Lumpur (Malaysia), Singapore. These sites will be described, together with their history and culture. The lectures will be illustrated with photographs taken during the trip.

Frank Plasil was born in Prague, Czechoslovakia, in 1939. He grew up in Geneva, Switzerland, attending the International School. He received a BS from the University of London, and a PhD from the University of California, Berkeley. As a UT-Battelle Corporate Fellow, he retired from the Physics Division of ORNL in 2002. Both during his active scientific career and during retirement he has traveled extensively with his wife Carol. Exploring the world in its many aspects is a passion that the Plasils share.

Three sessions: Mondays, 4:00 - 5:10 p.m., February 12, 19, 26

106 WISE: Travelling Through Wales, Ireland, Scotland, and England

This travelogue will recount two trips to Ireland, a foray into Northern Ireland, a passage through Wales, stays in Scotland’s two largest cities, four visits to London, and two tours of the cities and villages of middle England, all taken during the past three years. It will focus on the museums, historic sites, areas of natural beauty, botanical gardens and parks, UNESCO World Heritage Sites, and centers of cultural and religious significance. The course will consist of four meetings with slide shows and discussions lasting for one to two hours each meeting.

Fred O’Hara first toured Europe during the summer of 1960, visiting Ireland, England, France, Switzerland, Germany, Austria, Italy, and Spain. The trip made a lasting impression on him. After a 50+ year hiatus to pursue a career as a technical writer and to raise a family, Fred resumed his European travels with his wife Linda to celebrate their 50th wedding anniversary. They have revisited nearly all of the countries Fred went to in 1960 (Spain is still in the planning stages) and have added a few locations (Liechtenstein and Scotland.) Observing the changes made since 1960 has been revealing, and having two grandchildren living in Switzerland has also been a great inducement to visit Europe time and again.

Four sessions: Tuesdays, 6:00 - 7:10 p.m., February 6, 13, 20, 27
107 Vintage Button Jewelry & Button History

I inherited my French grandmother’s buttons many years ago. About five years ago, I began making jewelry with them. Instead of having them sit in a jar, I was wearing them, and on many days I had a physical reminder of her with me. After I exhausted this jar of buttons, I began buying beautiful buttons and making jewelry for others. I now have a large collection.

In this hands-on class, you will be making 1-2 vintage/antique button pendants. If you have some buttons of your own you would like to use, please feel free to bring them to class. I will be sharing buttons from my collection for your use. We will be stacking, embellishing and finding that perfect setting to complement the buttons you choose to use. A chain will be provided to complete your necklace.

I will also be sharing some button history with you before we start making our pendants. I will bring examples of different types of buttons from over the past 100 years. Many materials have been used throughout history. It is more interesting than you might imagine. Please feel free to participate in a share-and-tell by bringing your favorite button from your button jar.

Marianne Gansley is the owner of Piece of Sunshine Designs. She designs and makes jewelry by repurposing beautiful old objects such as buttons, keys, bits/pieces from vintage jewelry, typewriter keys, etc. She also dabbles in other styles of jewelry making. When she is not at her local farmer’s market or at a show/festival, she volunteers with a few organizations, takes a variety of classes, and spends time taking care of her family and home. Marianne has lived in Knoxville for 13 years. She previously lived in Pennsylvania where she worked as a Customer Account Manager for Pfizer. She began making jewelry 15 years ago. Prior to that she made woven baskets for eight years.

One session: Thursday, 10:00 a.m. - 12:00 p.m., April 12

108 Wire Wrapped Tree of Life Pendant Necklace

The Tree of Life is used in art, literature and religion to illustrate the concept of interconnectedness within our universe. It is a timeless symbol of our connections to everything around us, and a powerful reminder that our own happiness and health are inextricably intertwined with the happiness and health of all living things. The Tree of Life appears in many different cultures under many different names.

In this hands on class, you will be making a tree of life pendant using the wire wrapped method. You may choose to add beads/ semi-precious gemstones (leaves) or charms (owl, etc.) or even buttons (moon) to enhance your tree.

A chain will be provided to complete your necklace. Come prepared to do detailed work with your hands and make a beautiful piece for either yourself or a friend.

Marianne Gansley, see bio listed above.

One session: Friday, 9:30 a.m. - 12:00 p.m., March 2
109  Great Artists of the Italian Renaissance

This is another of the Teaching Company art courses taught by Bill Kloss. The following is a synopsis of the course description given by the Teaching Company. This course of 36 lectures introduces the art of the Italian Renaissance, an epoch that was the genesis of the next 500 years of Western art. The survey will extend from about 1400 to 1520, a period that covers the art historical periods commonly called the Early Renaissance and the High Renaissance.

From Masaccio to Raphael, from Donatello to Michelangelo, from Piero della Francesca to Leonardo da Vinci, and from Giovanni Bellini to Titian, more significant artists were born and more epochal art created in Italy in the 15th century than in any comparable place and century in the history of art.

Those of you who have attended previous courses given by Bill Kloss will remember him as a thoroughly engaging lecturer who clearly loves his subject. You are invited to join and discover many fascinating details about some truly great art. Each of the six sessions of this course will include two 30-minute lectures, so complete coverage of the material will extend over three ORICL terms.

Murray Martin is the coordinator for this video presentation. He has enjoyed many of the Great Courses over the years and would like to share with you his enthusiastic response to this Teaching Company offering. Murray has previously taught and presented courses on music and travel. He is retired from the Physics Division at ORNL.

Six sessions:  Mondays, 4:00 - 5:10 p.m., March 12, 19, 26; April 2, 9, 16

110  Art a la Carte Film Series

Art a la Carte is a series of brown-bag luncheon learning programs designed for those interested in the arts – both artists and art lovers. Films concentrate on art history, museum collections, interviews with artists and/or demonstrations on art history by various artists, and the creative muse or spirit. Winter/Spring 2018 will feature the final segments of the series: “How to Look at a Painting” by art critic Justin Paton. February and March will be the final installments. The series will go beyond museums and famous works one might recognize, to take viewers on a journey through collections and even into studios to witness works in progress. While much of the series deals with how to discern subtle information in a work of art, it goes beyond. “…Patton demystifies art and answers the questions we might be too embarrassed to ask. What is there to see in an abstract painting? Why do portraits grab us? Is it wrong to feel exhausted by big city museums? Why should we care about paintings anyway? …He talks to artists and dealers, sharing his passion for painting and helping us begin to look at art with new eyes – revealing a window on the world around us and opening to worlds we’ve never dreamed of…” In April, the film will be “Gustav Klimt” from “The Great Artists – The Post Impressionists” series.

Films for the series are approximately 60 minutes long but may be slightly longer. The series is held the fourth Friday of each month at 12:00 p.m. Location: Oak Ridge Art Center, 201 Badger Avenue, Oak Ridge, TN

Three sessions: Fridays, 12:00 - 1:10 p.m., February 23; March 23; April 27
111 Collections Savvy

While many people do not think of themselves as “collectors,” many have a significant number of items and, sometimes, artwork they have purchased, loved, and lived with for years. If you scan your home and find you have several items you love, have kept as an investment, or may wish to pass along to your heirs, you are a collector. This class will help you with practical guidelines, an overview of information collectors should keep, and ways to mark pieces for themselves and those they love for future knowledge. Conditions they should strive to emulate and foibles they should avoid in locating work, framing, matting and storing will be discussed. Class will meet at the Oak Ridge Art Center, 201 Badger Avenue, Oak Ridge.

Leah Marcum-Estes is the Director of the Oak Ridge Art Center. As a museum professional and arts educator for over 30 years, she has worked with artists and techniques in Tennessee and Kentucky.

One session: Thursday, 10:00 a.m. - 12:00 p.m., March 15

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150 Computer Security

This class will cover all types of Malware that can get into your computer system, how it gets in, how to avoid it, and how to remove it. I will explain the actions you can take to try to remove Malware from your computer.

The first session is mandatory.

Daniel Jones is a transplant from Chicago to Oak Ridge. Over 20 years ago, he started Computer Helpers as a part-time business. He has been working with computers for over 30 years. Dan worked for the City of Knoxville IS Department for 14 years before retiring in 2015. His business provides services to both Windows and Apple products for computer repairs, sales of new and used equipment, and training. He has a clientele base of over 500 and almost 90% of his base is senior citizens.

Three sessions: Mondays, 9:30 - 10:40 a.m., February 19, 26; March 5

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Gift Certificates Available

Did you know that ORICL offers gift certificates? Need a gift for a hard to buy for friend or family member? ORICL gift certificates are a great gift idea!! They can be issued in any amount and used for memberships or to pay for trips. If you’re interested in purchasing one, contact the ORICL office at 481-8222 or oricl@roanestate.edu
151 and 152  Windows 10

This class will consist of six weeks of teaching the basics of the differences between Windows 7 and Windows 10, then will proceed with many of the features and advantages of Windows 10 and its new browser, “The Edge.” This will encompass many of the changes from its original release two years ago with over 200 changes to date to the newest release which came out on October 17th. We will also teach how to use a thumb drive within Windows 10. The first session is mandatory.

Daniel Jones, see bio listed on previous page.

151 Day classes:  Mondays, 9:30 - 10:40 a.m., March 19, 26; April 2, 9, 16, 23
152 Evening classes:  Tuesdays, 6:00 - 7:10 p.m., March 20, 27; April 3, 10, 17, 24

FINANCE

200  Investing 101

Foundations of Investing: Rules for investing – develop a strategy, choose quality investments, diversify portfolio, invest for the long term, and focus on what you can control.

Ready or Not? Preparing for the Unexpected: This class will discuss the need to define retirement goals, determine savings needed to reach those goals (using the rule of 25) and how to use the power of 3 (time/money/return) to reach those goals.

Ready or Not? Preparing for the Unexpected: This class will share tips on how to develop a proactive strategy for protection and preparing for the unexpected. Strategies include having an emergency fund, establishing a line of credit, and reviewing insurance/liability protection.

Preparing Your Estate Plan: This class will give a basic overview of estate planning – account, registration, beneficiary designation, will, trust, tax information, life insurance and Transfer on Death (TOD). An estate attorney will be present to answer questions.

Michael Ousley is a licensed Financial Advisor and Accredited Asset Management Specialist with Edward Jones Investments in Clinton. He grew up in Anderson County and attended Oak Ridge High School. He later went to the University of Tennessee for engineering and managed an automotive plastics plant in Oak Ridge and Lenoir City before changing careers to join Edward Jones in 2011. He is an Eagle Scout and fundraises for the Friends of Scouting Campaign every year. He is very active in the Anderson County Chamber of Commerce, serving as a Chamber Ambassador, a member of the Education/Workforce Development Committee and the Business Development Committee, and serves on the Boards for the Young Professionals of Anderson County and the Leadership Anderson County program.

Four sessions:  Wednesdays, 11:00 a.m. - 12:10 p.m., March 21, 28; April 4, 11
201  Health Care and Your Retirement

Making Your Money Last: is designed to help you prepare to live in retirement. Attendees will learn investment strategies to help build a strategy to last throughout one’s retirement years. In addition, you will explore how to address key concerns such as inflation, health care expenses and market volatility as well as ways to prepare in advance for things that may not go as expected.

Health Care and Your Retirement: an educational program that addresses what steps investors should take to prepare for health care costs to help ensure their retirement savings stay healthy.

*Michael Ousley, see bio on previous page.*

Two sessions: Wednesdays, 1:00 - 2:10 p.m., April 18, 25

202  Traditional Diversification Works….Until it Doesn’t!

*Buy low, sell high, asset allocation is key, be diversified, make informed choices, hang in there and be patient...You’ve all heard similar adages.*

In this class, we will challenge Wall Street’s conventional wisdom. Traditional risk management fails investors in both up and down markets. We will educate you on a better way and how to invest with confidence in today’s uncertain market environment.

*Barbara Million earned her BS in Business and Finance from the University of Florida, School of Business. She is a Chartered Retirement Planning Counselor™, Vice President, Senior Financial Planner, Private Wealth Advisor and Member of the Financial Planning Association of East Tennessee.*

Two sessions: Thursdays, 9:30 - 10:40 a.m., April 19, 26

203  How to Invest With Confidence!

_Six Barriers to Investment Success_

In this class, we will look at six biases from the field of behavioral finance, how these biases affect decision-making ability and the impact they can have on your investment portfolio’s success or failure.

*Barbara Million, see bio listed above.*

Two sessions: Thursdays, 9:30 - 10:40 a.m., February 8, 15
204 Insurance/Protecting Your Assets

Congratulations on reaching retirement! Do you need as much auto and homeowner’s insurance? Do you need to keep that umbrella policy? Do you need to sell off those rental properties to fund your retirement activities? Now that you do not have a paycheck, it is more important than ever to protect the assets you do have! If a tenant slips and falls due to negligence on your part as a landlord, will you lose everything? If you have a bad side effect from a medication and cause an auto accident, can you be sued for your entire 401K? Learn how insurance works to protect what you worked your lifetime to have! (This class is not about investments or mutual funds.)

Laura Lynn Riden has been Oak Ridge’s local State Farm agent since 2014. She is experienced with multiple lines of insurance including homeowner’s, renter’s, auto, business, umbrella policies and banking.

David A. Vudragovich has been licensed since 2007 helping people with life insurance, income replacement, annuities, indemnity, long term care, business succession planning, Medicare and banking.

One session: Monday, 1:00 - 2:10 p.m., February 12

205 Legacy Planning

Some people plan on taking it all with them. This class is not for those people. Some people wish to leave a legacy for their children, grandchildren, church, alma mater, favorite non-profit, etc. There are many ways to do this and we will be discussing some of the strategies.

There are also RISKS and DANGERS to improper planning such as: living too long, ending up on Medicaid/TennCare, heirs contesting a will, taxes, etc.

The bottom line is to implement a plan immediately and fine tune along the way. Implementing may include use of an attorney and an accountant.

This class will involve the telling of many stories (names changed) so you can see what others have done and how it has turned out.

Laura Lynn Riden and David A. Vudragovich, see bios listed above.

One session: Monday, 1:00 - 2:10 p.m., February 5

You may register for classes after the term has begun if classes are not full. We discourage participants showing up to classes without being registered for several reasons: the class may be full or there may not be enough handouts. If you are not registered, you will not be notified if the class cancels or the start date or location of the class changes.
250  An Introduction to Lincoln and Citizenship

To many, Abraham Lincoln illustrates the value and responsibilities of citizenship. Individuals on both sides of the political spectrum claim Lincoln as their own. This fact presents an opportunity to use the life and ideals of the former president as a starting point for constructive discussion about modern thoughts on citizenship.

The class invites participants to read primary source documents related to Lincoln’s words on citizenship in the 1850s and then consider how citizenship is viewed in the present. A museum professional will guide the audience in discussing the connections of the past to the present. The session will conclude with sharing thoughts with one another, asking questions, and voicing observations about both the past and present. Additionally, all participants will receive a PDF version of the guidebook, Of the People, By the People, and For the People that contains an annotated Declaration of Independence and Constitution, writings from Abraham Lincoln’s life, and points for consideration and conversation.

Natalie Sweet is the Program Coordinator at the Abraham Lincoln Library and Museum in Harrogate, TN. She also serves as an adjunct for Lincoln Memorial University, and is the Review Editor of The Lincoln Herald. She received her MA in history in 2010. In 2012, she was awarded a research fellowship from the White House Historical Association to study the domestic staff that worked in the Lincoln White House, and that same year she became a Research Fellow at the Abraham Lincoln Institute for the Study of Leadership and Public Policy. Her written work has appeared in The Lincoln Herald and The Journal of the Abraham Lincoln Association. She is also the author of Images of America: Harrogate and Cumberland Gap and of an essay, “Lincoln, the Law and Presidential Leadership” found in Southern Illinois University Press publications.

One session: Thursday, 9:30 - 11:30 a.m., March 15

251  The Vikings and their Impact on History

This six session course will include a brief introduction before delving into the Viking origins, culture (language, society, and religion), system of laws, travels as plunderers and traders, settlements, and influence on the inhabitants of the areas where they settled, and finally their legacy and contribution.

Ron Jones is a native of Knoxville, a graduate of Central High School, the University of Tennessee and a life-long student of history with a special interest in the War Between the States, the American Revolution, Scotland and the Scots-Irish, and the Vikings. He is the author of three historical novels. Since retiring, he has renewed his love of history through genealogy work and writing and speaking on each of these subjects.

Six sessions: Thursdays, 11:00 a.m. - 12:10 p.m., March 22, 29; April 5, 12, 19, 26
252 “Yankee Imperialism” in the Early Twentieth Century

Is the U.S. government the world’s policeman, as we often hear? Or is our government the world’s greatest humanitarian institution, on a mission to help other peoples at the expense of its own citizenry, as many Americans believe? Either way, the early twentieth century seems to be the crucible of today’s U.S. role in the international arena.

In the War of 1898 the U.S. defeated Spain and took possession of the Philippines, Cuba, and Puerto Rico. From 1900 to 1934, the U.S. government intervened over 30 times in countries around the Caribbean Basin, imposing military occupations in several countries, receiverships in others, assisting the Panamanian movement for independence from Colombia, and repressing the Afro-Cuban population. Why?

Was it to prevent the Europeans from coming to the Americas to collect debts owed them? To protect the property of North Americans who had investments in Caribbean countries? To establish U.S. hegemony over these territories? To gather resources? To carry out obligations imposed on the U.S. by the Monroe Doctrine of 1923? National Security?

We will try to uncover the roots of the current role of the U.S. in the world.

Ann Jefferson teaches Latin American history at the University of Tennessee Knoxville. She travels frequently to Guatemala where she spends her time in a Q’eqchi’ Maya village. Her main teaching and research interests lie in the area of resistance, rebellion, and revolution. Her book on Daily Life in Colonial Latin America is forthcoming from Greenwood Press.

Four sessions: Mondays, 2:30 - 3:40 p.m., March 19, 26; April 2, 9

253 Alexander the Great and the Macedonian Empire – Part II

This class continues the series featuring courses offered by The Teaching Company (aka The Great Courses: www.thegreatcourses.com). This class is conducted by Professor Kenneth Harl and examines the career of Alexander and the historical conditions that produced this greatest of conquerors and the legacy that endures to the present day. We will view twenty 30 minute lectures by Professor Harl, over ten class sessions.

Dan Robbins retired from B&W Y-12 in 2013 after 47 years of company service. At Y-12, he was the director of the analytical laboratories. He is a chemistry graduate of UNC, Chapel Hill and a Princeton PhD.

Ten sessions: Wednesdays, 1:00 - 2:10 p.m., February 7, 14, 21, 28; March 7, 14, 21, 28; April 4, 11
254  A Response to *Hillbilly Elegy* from East Tennessee via New Mexico

2016 will be remembered for many unexpected developments. The extended run of J.D. Vance’s *Hillbilly Elegy* on the *New York Times*’ Best Seller List is one surprise that deserves particular attention from residents of East Tennessee and the greater Appalachian region.

While many aspects of Vance’s memoir evoke debate, most observers agree that insights into popular support for presidential candidate Donald Trump explain *Hillbilly Elegy*’s unlikely appeal. For observant residents of long-overlooked Appalachia, this is an old and worn theme. Americans have and will pay attention to us and our region – when doing so meets a national need.

This “one day course” will address and analyze those realities. The presenter will draw from the personal experiences and scholarly journey that led to his *Appalachians All: East Tennesseans and the Elusive History of an American Region* (University of Tennessee Press, 2010), to challenge the audience to think more broadly and deeply about themselves and this place where we reside.

*Mark Banker is retired from Webb School in Knoxville, TN. He was a teacher of AP US History, Tennessee History, and Southern Appalachia history. He has taught at both the high school and college levels. Mark has received several awards and has published many articles and the book listed above.*

One session: Monday, 9:30 - 10:40 a.m., February 5

255  Issues in American History

This eleven week course will focus on specific topics in US History. A different topic will be discussed each week, as follows:

- The Founding of the 13 Colonies
- The Salem Witch Trials
- George Washington
- The Constitution
- Andrew Jackson
- American Slavery
- The Civil War/Reconstruction
- The American Indian Experience
- The Industrial Revolution/Immigration
- Teddy Roosevelt and the Progressive Movement
- The United States in World War I

All knowledge levels are encouraged to join, listen and participate in the discussions. This is meant to be an interactive course, so different points of view are encouraged. Political, cultural, scientific and sociological aspects of US History may be covered.

*A native of California, David Holman earned his BA in History from Cal State East Bay, and has taught middle school and high school for 25 years. David is now semi-retired, substitute-teaching in Oak Ridge.*

Eleven sessions: Thursdays, 11:00 a.m. - 12:10 p.m., February 8, 15, 22; March 1, 8, 15, 22, 29; April 5, 12, 19
256  Buried Treasures & Artifacts

Move over Indiana Jones! Come to this class to learn how to dig for historical artifacts. After digging for artifacts, we will learn to identify, date, and clean artifacts. If you have any old bottles, please bring them to share, identify and date.

Lynn Fox is a graduate of the University of Tennessee, retired United States Army, an Eagle Scout, and was born on the Fourth of July. He has worked many jobs since retirement, his favorite job: historian. Lynn is a member of several historical groups and enjoys sharing what he has learned about archaeology with others.

Two sessions: Monday and Tuesday, 9:30 - 10:40 a.m., February 12, 13

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300  Chinese Language, History, Culture and More

Those who are curious about things Chinese, the country, its language, culture, and history are invited to join us to learn and explore together, guided by a native born Chinese instructor. This course will be an extension of the Chinese class offered during the Winter/Spring 2017 term, but attendance in that class is not a pre-requisite for attending this one. As in the first course, detailed content and topics will be tailored to the interests of the participants, so please come and share what areas and topics you would like to explore. This format worked well in the previous course and we all learned from each other and had some intellectual fun.

Marie Xingxing Yao was born and raised in China. She came to the United States for higher education in 2005, and has been working at the Spallation Neutron Source (SNS) in the Oak Ridge National Laboratory since 2010.

Six sessions: Tuesdays, 9:00 - 10:40 a.m., February 6, 20; March 6, 20; April 3, 17

301  German - Advanced

This class is designed to give students with a basic knowledge of German an opportunity to practice conversation, written dictation, reading, and translation. Students are encouraged to come prepared with topics to be discussed. Some basics of grammar, vocabulary, and pronunciation are covered, but this is not a class in beginning German. Students should bring writing materials to class.

Evelyn Oxenius Armstrong, a native German, taught German at ORHS from 1967 to 1989. After relocating to Clearwater, FL, she taught German at St. Petersburg College. She returned to TN in 2000. Since then she has enjoyed substituting at ORHS and has taught German at ORICL for the past 12 years.

Five sessions: Thursdays, 4:00 - 5:10 p.m., March 29; April 5, 12, 19, 26
302 Introduction to Latin

This class is intended for those who have never taken a class in Latin, or for those who may have taken it quite some time ago and wish to review. This class will focus on very basic elements of the language – our best attempt at classical pronunciation, and elements of grammar and syntax. This will be done through a series of readings adapted from Ovid’s “Metamorphoses”. While I hope we can begin to understand the structure of Latin, the primary goal of the class will be to enjoy exploring the language through these readings. This class will be a continuation of the 2017 Fall class. Students should purchase their own text. Latin via Ovid, Goldman and Nyenhuis – Wayne State University Press, ISBN-0-8143-1732-4, available from Amazon, Barnes & Noble, Books-A-Million by order – price is approximately $30.

Bill Moore received a BS in Electrical Engineering, BA in English from Texas A&M, and PhD in Experimental Psychology at the University of Houston. He has worked in a variety of settings, including NASA, private industry, and academia. The latter includes post-doctoral work at Duke, and posts at MTSU, Drake University and Marshall University. He retired from active teaching several years ago, and has been doing some online courses since. While at Marshall University he was fortunate enough to take two years of Latin from two excellent teachers.

Twelve sessions: Thursdays, 1:00 - 2:10 p.m., February 8, 15, 22; March 1, 8, 15, 22, 29; April 5, 12, 19, 26

303 Latin via Ovid

This intermediate course will be a continuation of the Introduction to Latin course offered previously. Having taken high school or college Latin would be an acceptable prerequisite to this class. Basic grammar, vocabulary, and pronunciation will be covered. The text will present simplified versions of stories from Ovid’s “Metamorphoses.” Book: Latin via Ovid, A First Course. 2nd Edition, Norma Goldman and Jacob E. Nyenhuis. 1977, Wayne State University Press. ISBN 0-8143-1732-4, available online through Amazon or Barnes & Noble. Locally, Books-A-Million can order it – delivery is usually within a week.

Bill Moore, see bio above.

Twelve sessions: Thursdays, 2:30 - 3:40 p.m., February 8, 15, 22; March 1, 8, 15, 22, 29; April 5, 12, 19, 26
304 Introduction to Hebrew

This class is a first step in a program of Hebrew learning. It introduces the alphabet (aka Aleph-Bet) and phonetic reading. It also teaches Hebrew roots, Jewish concept words, key phrases from Jewish religious life and/or a key quote from the Bible, and examples of modern and classical Hebrew words formed from the roots introduced. I have taught many years and many students, but most have been in grade school. Recently I have been teaching adults and find it to be just as enjoyable – if not more.

Students should purchase their own text book ALEPH ISN'T TOUGH. The book is available through Amazon or UAHC Press, the cost is about $20.00.

Anne Greenbaum is a graduate of The City College of New York and The Bank Street College of Education. Anne has taught in Knox County Schools and Oak Ridge Schools, and she still teaches Hebrew at Jewish Congregation of Oak Ridge and Heska Amuna Synagogue in Knoxville.

Ten sessions: Tuesdays, 9:30 - 10:40 a.m., February 6, 13, 20, 27; March 6, 13, 20, 27; April 3, 10

305 Learning Russian

Russian (a highly-inflected distant cousin of English) is the fifth most-widely spoken language in the world, the mother tongue of millions of people in a global power (the Russian Federation) spanning 9 time zones and 1/8 of the world’s surface, and by millions more in post-Soviet countries and a large diaspora. It is the language of a rich literary tradition, as well as scientific and economic developments – and that’s without getting into its political importance. This class is intended for those who know no Russian at all. Learners who want a refresher course are welcome, but should be aware that we’ll be starting at the very beginning. Continuation courses will be offered in future terms. We will begin with the basics of the alphabet and pronunciation and continue with grammar and reading practice. The emphasis will be in reading comprehension (and thus translation), but students will learn to speak and understand spoken Russian. There will be homework, perhaps an hour or 90 minutes a week.

We will use The New Penguin Russian Course by Nicholas J. Brown (ISBN 978-0-140-12041-7); it’s available online at Amazon, Barnes & Noble, and Books-A-Million, and the local BAM can order it. I recommend students also buy a verb book (e.g. 501 Russian Verbs or The Big Silver Book of Russian Verbs) and a grammar reference (e.g. Russian Grammar by I.S. Milovanova or Essential Russian Grammar by Brian Kemple), but these are not necessary. Students who have access to the internet will be directed to resource sites.

Karen Davis worked for the federal government for 42 years. All of that time was speaking or translating Russian or Ukranian. For the last 12 years she has taught languages to DOD personnel. She scored 4s in reading on the ILR scale (near-native) in both languages.

Twelve sessions: Wednesdays: 2:30 - 3:40 p.m., February 7, 14, 21, 28; March 7, 14, 21, 28; April 4, 11, 18, 25
350 Let’s Read a Mystery

Join the Mystery Group where dedicated, fun-loving sleuths read and discuss mysteries old and new. Mysteries provide the reader with an intellectual challenge. A crime or problem is presented, followed by a series of clues. The reader attempts to put the clues together to solve the puzzle. Whether or not we solve the mystery, we eagerly anticipate the conclusion to satisfy our curiosity. In our group, we enthusiastically rate the mysteries we read, and we enjoy the experience of sharing our thoughts and opinions with one another. All are welcome!

January 23: Friday the Rabbi Slept Late by Harry Kemelman (1964)
March 27: The Camel Club by David Baldacci (2005)
April 24: Death of an Irish Politician (2000) - Published as McGarr and the Politician’s Wife (1976) by Bartholomew Gill (Peter McGarr series #1)

Class coordinator is Katherine Smith. This class meets at RSCC, Oak Ridge Campus.

Five sessions: Tuesdays, 4:00 - 5:10 p.m., January 23; February 27; March 27; April 24; May 22.

351 Fiction Book Group

The Fiction Book Group encourages its members to read and discuss together the fiction of the last several decades. We read recent winners of the National Book Award, the Pulitzer Prize, the Booker Prize, the PEN/Faulkner Award, and other literary prizes. Members recommend books they have read, and the final selections are made by majority vote. Join us to discover some new authors and titles to enjoy. You’ll like the lively, informal discussions and the insights offered by the avid readers in this group.

The books for the Winter/Spring term are:
January 25: Amor Towles’ A Gentleman in Moscow. Discussion leader: Judy Spillman
February 22: Adichie’s Americanah. Discussion leader: Lynn Juneau
March 22: McCarthy’s Americannah. Discussion leader: Betsy Smith
April 26 and May 24: O’Brien’s The Things They Carried. Discussion leader: Miriam Wankerl and associates.

Class coordinator is Kay Moss. This book group meets at First Presbyterian Church, 1051 Oak Ridge Turnpike, Oak Ridge

Five sessions: Thursdays, 1:00 -2:15 p.m., January 25; February 22; March 22; April 26; May 24
352 Classic Literature Revisited

ORICL’s Classic Book Group started a dozen or more years ago, concentrating on pre-1930 Nobel and Pulitzer winners, most of which are probably still on someone’s 100 best list. More recently, after sort of running out of the “standard” classics that most of us probably read in school, i.e. those first published in the 19th century through pre WWII, the group’s selections, and the lists from which they have been culled, gradually moved forward. We have added one guideline: published fifty or more years ago (still in print and/or easily obtained) for identifying possible selections. As a result, books we have read and discussed, in the last year alone, have ranged from oldies like A Room With a View, which may or may not have been on a Best List when it was first published in 1908, to The Collector, which I cannot find on any Best List of 1963. Come join us in reading or re-reading the classics!

February 12: The Maltese Falcon by Dashiell Hammett
March 12: The Good Soldier by Ford Madox Ford

Class coordinator is Sue Frederick. This book group meets at St. Stephen’s Episcopal Church, 212 Tulane Avenue, Oak Ridge, TN

Four sessions: Mondays, 1:30 - 3:00 p.m., February 12; March 12; April 9; May 14.

353 Nonfiction Book Group

Come join us and surprise yourself by reading some titles you might never have selected or enjoyed - PLUS enjoy a wide range of stimulating discussions and viewpoints one can usually expect from ORICL students! And since (as revealed through a fortune cookie enjoyed at the end of a recent post-meeting lunch group) “An empty stomach is not a good (political) advisor,” please join us for continued conversation through lunch at a local café or restaurant.

Nonfiction ranges widely: politics to biography; history to natural science; adventure to psychology; sociology to business – we read them all. Members recommend books they have read, and final selections are made by majority vote.

January: American Spirit: Who We Are and What We Stand For by David McCullough

Class coordinator is Sue Frederick. This book group meets at Grace Lutheran Church, 131 Gettysburg Avenue, Oak Ridge, TN

Four sessions: Thursdays, 10:00 - 11:30 a.m., January 18; February 15; March 15; April 19.
Contemporary Short Stories That Surprise and Delight

The short story is a genre that many readers especially enjoy. It has all the important elements of a novel: characters, setting development, a plot with a central conflict, and usually an important theme or message. Yet in the short story, these are condensed into a fraction of the pages a typical novel contains. To accomplish this, the author has had to choose his or her words carefully to, in the words of short story writer Edgar Allen Poe, “create a single overwhelming impression.” If you like short stories, join us in reading ten contemporary short stories by six different authors. In each class session, we will discuss two stories. Some stories may surprise you; others may shock you or touch your emotions. Some may amuse you even as they deliver a stinging message about human relationships and society. In our discussions, we will discuss our reactions to these stories, what we believe is the author’s purpose, and how the author has, in this condensed form, drawn the reader into another world, another time, or another culture.

Session 1: “The Lottery” by Shirley Jackson; “There Will Come Soft Rains” by Ray Bradbury
Session 2: “A Good Man Is Hard to Find” and “Everything That Rises Must Converge” both by Flannery O’Connor
Session 3: “A Temporary Matter,” and “Interpreter of Maladies” both by Jhumpa Lahiri
Session 4: “Hired Girl” and “Gravel” both by Alice Munro
Session 5: “Harrison Bergeron” and “Bagumbo Snuff Box” by Kurt Vonnegut

Dorothy DeVan is a retired 8th grade English teacher from Jefferson Middle School. She also taught high school English and preschool earlier in her teaching career. She is an avid reader and a member of three different reading groups. She loves reading and discussing literature in all genres, but she is especially fond of short stories and always enjoyed reading and discussing them with her middle school and high school students. She is currently satisfying her “teaching itch” by volunteer teaching adult ESOL classes at Grace Lutheran three times a week.

Five sessions: Thursdays, 11:00 a.m. - 12:10 p.m., February 8, 15, 22; March 1, 8

Writing Your Life Story Using Free Verse Poetry

Even if you don’t consider yourself a writer, this class will help you create pieces of writing that reveal “snapchats” of your life story and can be passed along to children and grandchildren. Free verse poetry is an artistic expression of your thoughts; it is not dependent on rhyme and rhythm and is often referred to as an “open form” of poetry. You will explore moments in your life that you want to share with future generations: memorable places, people who touched your life, and significant events that shaped the person you became. The work of published contemporary poets will be used as models to guide, to inspire, and to lead you on a journey of self-discovery. We will meet three times. Please bring paper or a journal, and pen or pencil.

Diane Bailey is passionate about the impact of written words. She is a retired reading specialist and language arts educator who has worked with all ages, including elementary and middle-schoolers as well as college students and teachers, to promote a love for writing. In retirement, she enjoys spending time with family, traveling, reading and writing for pleasure, taking long walks, staying active in community theatre, and living in Norris with her husband Chip who also teaches for ORICL.

Three sessions: Wednesdays, 11:00 a.m. - 12:10 p.m., April 11, 18, 25
356 Writing Your Memoir

Acquire the knowledge and skills to establish and meet your personal goals for writing a memoir in this interactive class involving discussion, in-class writing, and reading/responding to writing to obtain/provide feedback. New material for the term includes strategies for generating and expanding content, writing style, and “the writer’s life” – a lifestyle concept vital for developing a commitment to writing. Appropriate for continuing and new participants.

First day attendance required to confirm registration in the class. Regular attendance is expected.

Dr. Linda Best was born and raised in Stamford, CT. She graduated from Ladycliff College in Highland Falls, NY; holds a Master’s in Education from Boston University; and earned an EdD in Cognitive Development/The Writing Process from the University of Rochester, NY. Linda has 38 years’ experience in the teaching of writing, and her work included a federal grant for training K-12 teachers on how to integrate writing into learning activities. Linda’s publications include numerous articles and book chapters on teaching and learning, her dissertation, two textbooks, and a memoir. Linda retired from Kean University, NJ, in 2012 as a Professor Emerita/English and relocated to east TN with her husband that same year. Linda enjoys time with her grandchildren, international travel, gardening, hiking, and, of course, writing.

Six sessions: Tuesdays, 11:00 a.m. - 12:10 p.m., January 30; February 13; March 27; April 10, 24; May 8

357 Sacred Places In Willa Cather’s Fiction

Transplanted in childhood from the gentle green hills of western Virginia to the stark prairie of western Nebraska, novelist Willa Cather was acutely aware of the spiritual force of one’s physical surroundings—a place as small as a room or as vast as sweeping areas of the Southwestern desert. In this class, we’ll look briefly at some of Cather’s short fiction and well-known Nebraska novels, but the focus will be on her three novels with settings in the Southwest: Song of the Lark, The Professor’s House, and Death Comes for the Archbishop. Our specific interest will be on the ways in which Cather’s characters experience intensely personal meaning from settings that become sacred to them.

Please try to read the three novels before each scheduled session:

February 14: Introduction
February 21: Song of the Lark
February 28: The Professor’s House
March 7: General Discussion
March 14: Death Comes for the Archbishop

Penny Tschantz earned her BA and MA degrees in English from New Mexico State University. From 1967 until her retirement in 2004, she taught literature and writing. She also designed and taught several honors seminars and interdisciplinary courses in her two special interests: people and their diaries and the Desert Southwest.

Five sessions: Wednesdays, 1:00 - 2:10 p.m., February 14, 21, 28; March 7, 14
“So shaken are we, so wan with care,
Find we a time for frighted peace to pant.”
*King Henry IV*, Part 1, Act 1, scene 1, line 1.

The seventeenth play we will read in this class is *The First Part of King Henry the Fourth*. This play is a sequel to *Richard II*, which the class read last year and which was our introduction to the Shakespeare history plays concerning the rise and fall of the House of Lancaster. In *I Henry IV, Part 1*, half the play is occupied with the riotous and quite unhistorical low comedy of Sir John Falstaff and his gang. To make room for these antics, Shakespeare reduced the historical plot to a series of simple scenes. The main plot of the play is the rebellion of the Percy family, who had helped Henry (then known as Bolingbroke) depose Richard II and become king. Prince Henry (Hal) spends his time in the company of Falstaff and the lowly patrons of the Boar’s Head Tavern in Eastcheap. He is actually deliberating posing as a waster so that when the time comes he can have the element of surprise to help him begin his effective reign.

Join us to learn more about Prince Hal, Falstaff, Mistress Quickly, Hotspur, and other characters in this play that ends at the Battle of Shrewsbury. *King Henry IV, Part I* ranks high among all of the thirty-seven plays in the Shakespeare canon for superior portrayal of characters and maturity of style in both prose and poetry. See if you agree that in Sir John Falstaff, Shakespeare created the greatest comic character in English literature.

The group reads orally in round-robin manner, stopping for informal discussions as the group desires. New members welcome! Mispronunciations welcome! Bring your own unabridged copy of the play. Various editions pose no problems.

*Jane Williams and Nancy Burwell are retired educators who know that the best way to learn is to teach. They enjoy organizing the class and absorbing Shakespeare along with the other readers. They like to have fun while learning and have discovered that the more people reading the play to one another, the more fun!*

Eight sessions: Tuesdays, 1:00 - 2:10 p.m., March 6, 13, 20, 27; April 3, 10, 17, 24

**REMEMBER!**

Roane State Security will issue a $20 ticket if you are not parked in a legal parking space with a current ORICL hang tag on your rear-view mirror.

This means no parking in driving lanes, spaces marked “visitor”, next to the curb, or “unpainted” parking spots. If you forget your hang tag (which enables you to park in the faculty lots A and B), you will need to obtain another parking sticker in the office. If you are new to ORICL, come by the office to get a hang tag if you would like to take advantage of this benefit.
359  Poetic Innovation: Walt Whitman and Emily Dickinson

When the first edition of Walt Whitman’s *Leaves of Grass* appeared in 1855, it marked a radical departure from the poetry of Bryant, Longfellow, Whittier, Holmes, and Lowell that had been so popular in the earlier part of the century. Whitman dismissed the conventional notions of meter, rhyme, stanza, and conventional subject matter to produce a kind of poetry that had not been seen before. Small wonder that Emily Dickinson should have heard that his book was “disgraceful.” Many would have said the same. As for Dickinson, though less radical than Whitman in some respects, and largely unknown in her own day, she too disregarded many of the conventions of the past to write hundreds of poems, some of which can be readily understood, while others puzzle us still.

This course will begin with a look at the schoolroom/household/fireside poets of the earlier part of the century, considering what their appeal was then and why they are less appealing now. Two meetings will be devoted to Whitman; these will cover such poems as “Crossing Brooklyn Ferry”, “Out of the Cradle Endlessly Rocking”, “O Captain! My Captain”, and “When Lilacs Last in the Dooryard Bloom’d”. Several sections of “Song of Myself” will be considered, as will some of Whitman’s war poetry. Dickinson’s poetry will be considered in the last two meetings, with emphasis on her major themes: nature, religion, love, death.

Allison Ensor retired from the English Department of the University of Tennessee a few years ago. He regularly taught a graduate seminar in Mark Twain as well as courses in Southern literature, Appalachian literature, and American humor. A Tennessee native, he received his doctorate at Indiana University.

Five sessions: Tuesdays, 11:00 a.m. - 12:10 p.m., March 6, 20, 27; April 3, 10

360  Creation Myths

Where do we all come from? The answer to that question really depends on where we were raised – there are dozens, maybe hundreds, of creation myths in the world’s literature. Even the Big Bang theory is now listed among the creation myths. Humans are rooted in stories whether we realize it or not. Inquiring into these myths expands our understanding of ourselves and the multi-faceted human mosaic we inhabit. We will pursue these ideas together – intrepid kindred spirits are welcome. All stories provided; absolutely no reading required.

Kathleen Mavournin grew up in Minnesota fascinated by myths, folktales and fairytales. She has lived more than 45 years in East Tennessee, holds a PhD in Microbiology from UT, and worked 20+ years at ORNL. On retirement 15 years ago, she turned into a professional storyteller. Her repertoire includes rarely heard stories from remote places as well as Appalachian, Native American, and European tales. She’s a graduate of the School of Sacred Storytelling and a member of the Healing Story Alliance. She leads workshops on telling life stories, creating fairytales from personal experience, and goddess mythology; she teaches storytelling to children and teaches teachers to teach storytelling to children.

Six sessions: Wednesdays, 11:00 a.m. - 12:10 p.m., February 7, 14, 21, 28; March 7, 14
400  How Much Water Should I Drink?

The topic reviews the physiology of the body’s water balance and discusses the central role of the body’s filters (kidneys) in the maintenance of body water content. The course aims to dispel commonly held misconceptions and myths concerning the daily amount of fluids needed for healthy living. The topic stresses the basic scientific understanding of how the body maintains its state of homeostasis while regulating its fluid intake. The course will conclude with a prescriptive recommendation on consumption based on empirical evidence and studies.

Dr. Ashutosh Singh is a board certified nephrologist, practicing in the Oak Ridge and Knoxville communities for over 12 years. He graduated from SN Medical College, Agra, India in 1994. He completed his internal medicine residency from Metropolitan Hospital Center, New York City in 2002 and later did his post-doctoral clinical fellowship in nephrology at St. Luke’s-Roosevelt Hospital, Columbia University, New York City. He is a designated specialist in Clinical Hypertension by the American Society of Hypertension and is a fellow of the American Society of Nephrology. His areas of interest include prevention and treatment of chronic kidney disease, renal replacement therapy, and clinical hypertension.

One session: Thursday, 6:00 - 7:10 p.m., April 19

401  Supercharge Your Retirement Health

Come learn how to create an active, happy and healthy retirement!

The following topics will be covered during this six session class:
- Questions to ask before retirement and creating healthy habits
- Controlling blood sugar with diet and exercise
- Heart health and stress reduction
- Controlling inflammation and preventing cancer
- The aging brain
- How to detox and avoid toxins

Kay Belangia is an Integrative Nutrition Health Coach and a Certified Nutritionist Consultant. She graduated from the Institute for Integrative Nutrition and has a certification from the Natural Healing Institute of Naturopathy. Prior to studying nutrition she was a classical guitarist and teacher for 40 years. At age 54, she had to give up the guitar for medical reasons and was thrown into retirement without warning. Her journey has given her many insights into creating a balanced and healthy life after the majority of her working years.

Six sessions: Thursdays, 7:30 - 8:40 p.m., March 15, 22, 29; April 5, 12, 19
402  Meditation

What meditation entails is generally misunderstood in the West. Meditation is learning about and becoming familiar with what is in the mind, as well as learning to focus and calm the mind. In this class, we will explore calm abiding practices and meditation on loving-kindness and compassion.

Prasad Hutter has over 20 years of experience with acupuncture, 19 years as a licensed practitioner. He is a registered yoga teacher, certified by the National Yoga Alliance and the Kripalu Yoga Center. He is also certified in Chinese herbal medicine. He holds a BS in Business Administration from Boston University, a Masters of Public Health from Columbia University and a M.Ac. from the Traditional Acupuncture Institute (TAI-Sophia).

Four sessions: Tuesdays, 9:30 - 10:40 a.m., April 3, 10, 17, 24

403  Introduction to Chinese Medicine/Acupuncture

This class will explore classical five-element acupuncture theory. The five elements are actually five different types of Qi, or Energy. The five elements correspond to the four seasons in Nature plus the fifth element or energy, Earth. We will explore the connection among the emotions, the four seasons, the five elements, and how our lives are affected, both theoretically and practically.

Prasad Hutter, see bio above.

One session: Tuesday, 11:00 a.m. - 12:10 p.m., April 24

404  Celiac Disease

Celiac Disease is one of the classic disorders of small intestine nutrient absorption. This class will discuss the nature of celiac disease, including clinical diagnosis and treatment. We will also discuss “newer” related topics, e.g. gluten sensitivity.

Dr. Phillip Ricks graduated from the University of Mississippi School of Medicine in 1973; did a residency in medicine at Vanderbilt University Medical Center from 1973-76; and a gastroenterology fellowship at the University of Texas at San Antonio from 1976-78. He began practicing gastroenterology in Oak Ridge in 1978 and continues today.

One session: Wednesday, 9:30 - 10:40 a.m., March 28
405  Mother Teresa’s Way of Aging with Dignity: Five Wishes

Each participant will learn how to fill out a Five Wishes® document, a living will written in everyday language. It is a gift to your family, friends, and doctor to keep them out of the difficult position of having to guess what kind of treatment you want in case you can’t speak for yourself. It will help you start the difficult conversation. This document has been copyrighted by the Aging with Dignity Foundation and is accepted as a legal advanced directive in 42 states, including Tennessee.

Deloris Steel has taught health care courses at various facilities in New York and Tennessee. She received a diploma in nursing from Mary Lanning School of Nursing in Hastings, Nebraska. Her undergraduate and graduate degrees are in education and health care management from New York state schools. She retired from Methodist Medical Center in Oak Ridge and has volunteered in education and hospice since retirement.

Three sessions: Mondays, 1:00 - 2:10 p.m., February 26; March 5, 12

406  Learning the Lingo of Aging

Do you have a PCP? Do you feel heard? What’s the difference between palliative care and hospice? What’s the difference between independent living and assisted living versus skilled nursing? What is a Health Care Proxy? What decisions need to be made and when should you start? These are all great questions.

As we age we are faced with a whole new set of terms that can be confusing and a source of anxiety as we set sail for our “golden years.” Sometimes we may feel like we’ve entered a new country and need a guide to interpret the lingo. Come and get a crash course on the lingo of aging so that you can have a confident journey through this new country.

Maureen Willis received her BS in nursing at Texas Woman’s University, graduating cum laude. She has been a nurse for over 30 years, mainly practicing as an operating room nurse. She presently works several days a month at Children’s West Surgery Center. She also works for Choices in Senior Care where she serves both as the Family Caregiver Support Coordinator and an Aging Life Care Professional. Balancing pediatrics with geriatrics and personal life, she feels she really has the best of all worlds!

Melanie Cahill, MS, CCC-SLP is the Community Education and Cognitive Program Coordinator at Choices in Senior Care. She has a master’s degree in Speech Language Pathology. After several years working in adult neurological rehabilitation, she took a break to raise her four boys. Her previous experiences as a speech-language pathologist coupled with recent family experiences with dementia have rekindled her desire to help people and their families who are living with dementia. Melanie develops and implements cognitive stimulation programs for clients living with dementia and coordinates the Community Education Program. When not working for Choices in Senior Care, she keeps busy volunteering with her church’s compassion team and serving on the board of the Knoxville Area Foster Care and Adoption Ministry.

Two sessions: Wednesdays, 9:30 - 10:40 a.m., February 7, 14
407  Good News for Bones

This course will consist of four sessions with each session covering a different topic.

**Session 1:** This session will explore the controllable and uncontrollable factors contributing to bone loss; explain the implications of T-scores and Stiffness Indices; discuss researching options, informed consent and talking to your physician.

**Session 2:** Various causes of bone loss will be discussed.

**Session 3:** We will look at the pros and cons of pharmaceutical and non-pharmaceutical options; the role of nutrition; maintaining bone health and fall prevention will also be discussed.

**Session 4:** Open questions & answers, with optional QUS Ultrasound Bone Density Screenings, BTrackSystem Balance Test and Osteogenic Loading Demonstration

*Dee Matchett is a certified volunteer peer educator for American Bone Health, a non-profit organization and the educational arm of the Foundation for Osteoporosis Research. She is also certified as an Osteogenic Technician. In that capacity she owns and operates OsteoStrong™ of Farragut, a wellness center focusing on identifying increased bone loss; improving balance and proprioception; increasing muscle density; reducing joint pain; improving sports performance and reducing the risk of injury.*

Four sessions: Thursdays, 7:00 - 8:10 p.m., February 8, 15, 22; March 1

408  Seeing Through the Brain: Current State of Imaging

*This lecture will introduce the attendees to the current state of imaging of the brain. This will include a discussion of the normal brain anatomy, available imaging modalities (CT, MRI, PET) as well as a general discussion of some disease states and their imaging including multiple sclerosis, brain tumors and Alzheimer’s disease.*

*Jud Gash, MD is a Professor of Radiology at The University of Tennessee School of Medicine. He received his MD from the University of South Carolina in 1990. He is a practicing radiologist in Knoxville.*

One session: Wednesday, 7:30 - 8:40 p.m., February 7

409  Sacroiliitis

*This will be a one class presentation that will cover demographics, history, diagnosis and treatment of sacroiliitis. The goals of the class will to be: better recognize an underdiagnosed cause of low back pain; to inform the participants about the signs and symptoms related to this common ailment; and to discuss best treatment options.*

*Lawrence P. Maccree, DO, is a Board Certified Neurosurgeon at Methodist Medical Center in Oak Ridge, TN. He is a graduate of San Diego University and Western University of Health Sciences, College of Osteopathic Medicine of the Pacific. Dr. Maccree completed an internship and neurosurgery residency at Garden City Osteopathic Hospital in Garden City, MI. He is an Adjunct Professor at Western University of Health Sciences, College of Osteopathic Medicine of the Pacific and Lincoln Memorial University, DeBusk College of Osteopathic Medicine. He has been a guest lecturer at South College, Knoxville, TN.*

One session: Tuesday, 4:00 - 5:10 p.m., March 20
450  ORCMA Concert Introduction Series

Join Oak Ridge Symphony Music Director Dan Allcott for a lecture previewing works of the upcoming symphony concerts. The lectures will be held on Monday afternoons before the Saturday concerts. Maestro Allcott will present musical excerpts and provide historical context on the works to be performed in the concerts.

March 5, 2018
An Opera of Biblical Proportions!
Richard Wagner:  Siegfried Idyll
Benjamin Britten:  Noye’s Fludde
The talented young vocalists from Sound Company Children’s Choir join forces with the Oak Ridge Symphony for Benjamin Britten’s acclaimed Noye’s Fludde based on the 15th century Chester mystery play about the Old Testament story of Noah’s Ark. The orchestra will also perform Richard Wagner’s beautiful tribute to his wife and son, Siegfried Idyll.

April 23, 2018
Fantastique Finale!
The Oak Ridge Symphony and Chorus will perform:
Hector Berlioz:  Death of Ophelia and Meditation from Tristia with the Oak Ridge Chorus, Jaclyn Johnson conductor
Missy Mazzoli:  Rouge River Transformation
Hector Berlioz:  Symphonie Fantastique

Dan Allcott has been the Music Director of the Oak Ridge Symphony since 2010. Maestro Allcott continues to lead Oak Ridgers on a journey of musical discovery – honoring our traditions while bringing new works and performers to our audience. Well-known throughout the Southeast as an educator and professional, he is Professor of Music and Director of Orchestras at Tennessee Tech University. In addition Maestro Allcott serves as Music Director and Conductor of the Bryan Symphony and recently accepted a position as Artistic Advisor for Eastport Strings in Maine.

Two sessions:  Mondays, 4:00-5:10 p.m., March 5 and April 23

Please note: Every person registering for Winter/Spring 2018 who is new to ORICL must pay the $80 registration fee. We cannot process your registration without the accompanying fee; however, please do not pay for class fees or trip fees until you receive your schedule signifying that you are enrolled.
### 451 The Laments, Slow Airs, and Waltzes of Scotland and Ireland

Scotland and Ireland are home to some of the most beautiful laments, slow airs, and waltzes ever written.

A lament is an expression of sorrow or regret often expressed in music, poetry, or song. Laments constitute some of the oldest forms of writing across all human cultures.

A slow air is a type of traditional Irish music marked by the absence of strict meter or structure. They are melodically "open ended" and are generally derived from the melody of a sung song. They are typically played on a solo melodic instrument such as a fiddle or accordion.

A waltz is a highly popular ballroom dance that evolved in 18th century Austria. It is characterized by a couple’s movement from step, to slide, and to step again in ¾ time. The term “waltz” is derived from the German verb “walzen,” meaning to “revolve.”

This class will contain mini-lectures, recordings, live musical instrument demonstrations, and group discussions. Feel free to sing along. Come to learn why this music should be preserved and perpetuated.

_Chip Bailey is a Teaching Artist with the Tennessee Arts Commission, a member of Tennessee Folklore Society and Smoky Mountain Storytellers Association, a Musician Ambassador at the Museum of Appalachia, and a retired college professor/administrator._

Two sessions: Wednesdays, 2:30 - 3:40 p.m., February 14, 21

### 452 The Symphony – Part 1

This is another in the series of music classes featuring courses offered by The Teaching Company (aka The Great Courses: [www.thegreatcourses.com](http://www.thegreatcourses.com)). This class is conducted by Professor Robert Greenberg, who taught our previous classes on the lives and music of Wagner, Mozart, and Beethoven. This course has three criteria for its selection of composers and symphonies. First, the selection of symphonies will include only major works for orchestra. Second, we will study only works that are entitled “symphony” by their composers. Finally, with a couple of exceptions, we will study symphonies by composers who awarded the symphonic genre a major, if not pre-eminent position in their musical output, and made significant contributions to its development. Along with their compositions, we will also study the lives of these artists. We will view eight forty-five minute lectures by Professor Greenberg, Music Historian-in-Residence with San Francisco Performances.

_Dan Robbins retired from B&W Y-12 in 2013 after 47 years of company service. At Y-12, he was the director of the analytical laboratories. He is a chemistry graduate of UNC, Chapel Hill and a Princeton PhD._

Eight sessions: Mondays, 11:00 a.m. - 12:10 p.m., February 7, 14, 21, 28; March 7, 14, 21, 28
453  Poets of the Piano – New Voices and Old

In 2008 I gave a course with the focus on some of my favorite pianists. Since then many new faces have come on the scene. In this course we will listen to more of my favorite keyboard artists with an emphasis on several of these talented newcomers as they add their interpretations to those of earlier generations of greats.

Among these newcomers we will listen to Rafal Blechacz playing works of Bach, Haydn, and Mozart; Benjamin Grosvenor playing compositions of Chopin, Liszt, Ravel, Scriabin and Granados; and Denis Kozhukhin performing Brahms. I invite you to join us and listen to these exciting new artists, along with some established artists in a series of programs including music by well-known composers and works by names perhaps not as familiar.

Murray Martin is retired from the Physics Division at ORNL. He has a lifelong love of classical music and especially of the extensive literature devoted to the piano. This literature will be illustrated with examples from his CD collection.

Six sessions: Tuesdays, 4:00 - 5:10 p.m., February 6, 13, 20, 27; March 6, 13

PHILOSOPHY

470  Gene Hise Philosophical Society

The Philosophical Society continues its fifteenth year of exploring useful knowledge and the integration of the sciences. In all previous semesters, presentations and stimulating discussions were held in areas of physical science, engineering, medical science, natural science, and social science.

The Society has no fixed subject or topic. Any topic in the sciences is fair game; however, we leave politics and theology to other classes. The society has no permanent instructor. Members and guest speakers who are knowledgeable in the topic for that session make presentations.

It has been our experience that the presentations are well-prepared and intellectually stimulating, and the discussion periods (while not descending quite to anarchy) are equally stimulating and great fun.

Class moderator is Bob Olson.

Eleven sessions: Fridays, 11:00 a.m. - 12:10 p.m., February 9, 16, 23; March 2, 9, 16, 23; April 6, 13, 20, 27

The Curriculum Committee works hard to come up with new ideas for classes and trips. When you see one of the Committee members, be sure to thank them for their hard work!
Human Subject Research: “Do No Harm”

This is the second of two classes on the ethics of human subject research. This class will focus on the development of the Institutional Review Board (IRB), the statement of ethical principles for human research in the Belmont Report of 1978, and subsequent government regulation and oversight of human subject research.

In the 1966 *New England Journal of Medicine*, Dr. Henry Beecher of Harvard Medical School described twenty-two studies that had been conducted by respected investigators and published in prestigious medical journals that encompassed unethical practices. He wrote: “A study is ethical or not at its inception.” He asked, “whoever gave the investigator the godlike right of choosing martyrs?” The ethical crisis exploded in the exposure of the 1932-1973 Tuskegee syphilis experiment and the subsequent 1973 Senate hearings led by Senator Edward Kennedy on the Quality of Health Care and Human Experimentation. The result was the National Research Act of 1974 that established the IRB system for regulating human research. It was followed in 1978 with the Belmont Report that spelled out three principles for human research: *respect for persons, beneficence*, and *justice*. Accountability in scientific research with human subjects is still a work in progress.

Larry Dipboye holds the BA degree from Baylor University and three seminary degrees, including a PhD from Southern Baptist Seminary in Louisville, KY, where he also served as adjunct professor of theology while pastor of a local church. From 1984-1988 he served on the ecumenical panel of discussion for the Louisville, KY, weekly program “The Moral Side of the News” for WHAS television and radio, which was also involved in distributing funds for the annual “Crusade for Children.” Having served as pastor of six churches in five states since 1962 and presently co-pastor with his wife Carolyn of Grace Covenant Church, he has lived in Oak Ridge since 1988. Larry’s service on the Oak Ridge Site-wide Institutional Review Board (IRB) since 1992 has led the fall and spring classes on Human Subject Research.

Five sessions: Wednesdays, 9:30 - 10:40 a.m., February 21, 28; March 7, 14, 21
500  Jewish Liturgical Music: An Example

This class will meet three times. The subject deals with Jewish sacred music in an introductory fashion. The first class will discuss the history of Jewish liturgy in Europe and the United States and the role of the professional who serves as precentor. Class two will discuss the liturgical year and introduce some of the well-known melodies and, where applicable, their composers. The final class will focus on Cantor Mordecai Gustav Heiser of B’nai Israel of Pittsburgh, PA, whose life and work Dr. Schmidt recently chronicled in a book-length study.

In 1993, the Department of Religious Studies at the University of Tennessee hired Dr. Gilya Schmidt as an assistant professor of Judaism with the charge to found a Judaic Studies Program. She headed the program for 23 years until December 2015 when she retired and became Professor Emerita. Her research has netted eight books, as well as a number of articles. She recently completed a manuscript on Jewish liturgy and will soon be writing up her research on Southern German Jewry in the 19th century. In 2002 she became head of the Department of Religious Studies in addition to being the director of the Fern and Manfred Steinfield Program in Judaic Studies. She stepped down as head in 2009 so she could continue to lead Judaic Studies. Following retirement, she continues to serve as Professor Emerita and Director Emerita.

Three sessions: Tuesdays, 2:30 - 3:40 p.m., April 3, 10, 17

501  Judaism, Hebrew Bible, Dead Sea Scrolls

This class will examine the Dead Sea Scrolls (DSS) from several perspectives: historical background, contents of various scrolls, the meanings of the Dead Sea Scrolls, and the significance of the Dead Sea Scrolls for history. This class is designed for 8 to 10 sessions, depending on the amount of material covered in each session. No knowledge of Hebrew is required, but it might help to bring an English Translation of the Hebrew Bible.

Dr. Raphael Panitz received his BA from New York University in 1972. He received his PhD from the University of Pennsylvania in 1983. He served as a legislative assistant to US Congressman Robert A. Roe, who retired in 1993. Dr. Panitz then obtained an MS in Library Science from the University of Maryland in 1995. Thereafter he served as a legal librarian in Washington, DC, for several law and business firms. In 2012, he retired to Knoxville. He served as the President of Congregation Heska Amuna from 2013 - 15 and is a part-time lecturer in the Department of Religious Studies of the University of Tennessee.

Eleven sessions: Tuesdays, 1:00 - 2:10 p.m., February 6, 13, 20, 27; March 6, 13, 20, 27; April 3, 10, 17
Lovingkindness Continues EVEN More

Metta is a part of the Buddha’s heart teachings about lovingkindness, or the Brahma Viharas – compassion, sympathetic joy, equanimity, and “unbounded friendship” – often called as a group the “Heavenly Abodes.” This practice will bring participants into experiences of lovingkindness and focus on how to bring about these Heavenly Abodes in one’s daily life. We will look at *sīla* (virtue), *samādhi* (concentration), and *pañña* (wisdom) as they relate to lovingkindness. Since our purpose is to cultivate lovingkindness and good will, the workshop will be of benefit to anyone who is interested in the topic, no matter what spiritual tradition you might be interested in, or for that matter whether you are interested or involved in any spiritual tradition at all. The focus will simply be on how a person can cultivate a felt sense and attitude of lovingkindness toward oneself, others, and all beings everywhere.

Fred Martinson is an art historian (PhD, U. Chicago) who taught at the University of Tennessee, Knoxville for 30 years. He has a special interest in the iconology of Buddhist art (“meaning” as well as style and context). After specializing in the meaning of Buddhist subjects in Asian art for decades, about 25 years ago he began a meditation practice of his own. Since that time, he has studied with a number of different teachers and participants in a half-dozen meditation and study groups in the Knoxville area including one on suttas (the Buddha’s Discourses). He taught the ORICL course “How the Buddha Awakened and Taught” for the Fall 2016 term.

Twelve sessions: Mondays, 11:00 a.m. - 12:10 p.m., February 5, 12, 19, 26; March 5, 12, 19, 26; April 2, 9, 16, 23
550  Technical Book Club

The Technical Book Group will discuss books on topics in science and technology. Books for the first three sessions are:
January 22:  *Are We Smart Enough to Know How Smart Animals Are?* by Frans de Waal. The discussion led by Bob Olson
February 26:  *The Genius of Birds* by Jennifer Ackerman

Subsequent books will be selected from nominations. Members should send nominations from their good-book-lists to the class coordinator at leeaberry223@gmail.com

*Lee A. Berry is the class coordinator. This book group meets at RSCC, Oak Ridge Campus.*

Three sessions: Mondays, 4:00 - 5:10 p.m., January 22; February 26; March 26

551  Interesting Topics in Zoology

This course will cover the following areas:
**Introduction to Cell Biology** – Cell; Origin of life; Diversity in cells; Working of cells
**Introduction to Genetics** – Gregor Mendel and principles of heredity; Mendelian genetics; Gene interaction; Multi-factorial inheritance; Non-nuclear genes and their inheritance
**Introduction to Molecular Biology** – DNA – Blueprint of life; DNA as genetic material; Structure of DNA
**From DNA to protein** – Central dogma of molecular biology
**DNA Packaging** – Chromosome structure – Chromosome theory of heredity; Genetic basis of sex determination; Cell division – cell cycle – Mitosis and Meiosis genetic recombination
**Bacterial genome and bacterial genetic recombination**
**Drosophila genome**
**Human genome**

*Dr. Anu Sathe has a BS, MS, MS Philosophy, PhD Zoology Entomology. She has 25 years of teaching experience at the college level in India. Dr. Sathe taught zoology-entomology, genetics, cell biology, molecular biology, developmental biology and evolution.*

Eight sessions: Fridays, 1:00 - 2:10 p.m., February 9, 16, 23; March 2, 9, 16, 23; April 6
552 Climate Change in the United States: The US Global Change Research Program Climate Science Special Report

The US Fourth National Climate Assessment (NCA4), the most recent US assessment of changes in climate and their impacts on the United States, is scheduled for release in late 2018. The Climate Science Special Report (CSSR), a component of that Assessment, is scheduled for release in late 2017. Representing the scientific backbone of the National Climate Assessment, the CSSR focuses on climate change as it impacts the United States and is designed to: (1) integrate, evaluate, and interpret the findings of the US Global Change Research Program and discuss the scientific uncertainties associated with such findings, and (2) analyze current trends in global change, both human-induced and natural, and project major trends for the subsequent 25 to 100 years. The final Fifth Order Draft of the CSSR sent to participating agencies for review and clearance was leaked to the press in August 2017 and made available by the New York Times. Anticipating the release of the Climate Science Special Report in late 2017, this class will review the contents of that report. Class sessions will cover the 15 chapters in the CSSR with particular attention to the sources of uncertainty in the scientific findings and the communication of that uncertainty. Participants in the class will obtain a clearer understanding of the CSSR’s scientific content and be better prepared to engage with news reports and other discussion that may accompany release of the report.

Anthony King is a Research Staff Member in the Environmental Sciences Division of ORNL. He received a BS in Zoology and MS in Biology from Arkansas State University. He received his PhD in Ecology from the University of Tennessee. Since joining ORNL in 1987, Dr. King has performed a variety of research. Most recently he has been involved in scientific synthesis and assessment in support of decision making and the assessment of climate impacts on coupled socio-ecological systems, including the impacts of sea-level rise on military and urban infrastructure and current climate change impacts and adaption in agricultural systems.

Eleven sessions: Fridays, 4:00 - 5:10 p.m., February 9, 16, 23; March 2, 9, 16, 23; April 6, 13, 20, 27

553 Thorium: The Far Side of Nuclear Power – A Tribute to Alvin Weinberg

This class presents a 90 minute documentary “THORIUM – The Far Side of Nuclear Power,” which chronicles the roles of Alvin Weinberg and ORNL in the development of molten salt reactors in the 1960s. The world-wide resurgence of interest in MSRs and the potential use of thorium in its fuel cycle are brought to life in a thorough yet entertaining fashion by French director Myriam Tonelotto, a converted anti-nuke, who used ORNL’s Molten Salt Reactor Experiment (MSRE) as a starting point. The film won a Silver World Medal in the 2017 New York International Film Festival.

Syd Ball (moderator), a nuclear engineer at ORNL, was involved in MRSE design and operation.

One session: Tuesday, 11:00 a.m. - 12:45 p.m., March 20

Remember, if any scheduling changes have to be made after the catalog goes to print, they will be in your printed schedule. The most up-to-date calendar and class location list will be posted online and on the hallway bulletin board outside the ORICL office. Please keep your schedule with your catalog so you can refer to it.
**554  Amphibians and Reptiles of Anderson County, TN**

In 2005 the Clinch River Environmental Studies Organization (CRESO) provided a series of ORICL sponsored lectures and field trips on the amphibians and reptiles (herps) found in our area. The main goals of these presentations were to offer identification techniques and share information on the fascinating natural history of these critters and in so doing hopefully raise the personal excitement and comfort level for individuals encountering amphibians or reptiles (especially snakes) in their yards or while hiking and exploring. Participants in the course seemed to enjoy the experience, and as a presenter I was rewarded with stimulating conversation and a fun time. Because of that positive experience I wanted to offer a course repeat. The activities will be broken down into three lectures and two field trips. A serious attempt will be made to give each group of amphibians and reptiles found in Anderson County, TN their deserved share of attention, while battling my bias toward snakes.

Lecture one: Identification and Natural History of Snakes  
Lecture two: Identification and Natural History of Lizards and Turtles  
Lecture three: Identification and Natural History of Frogs and Salamanders  
Field Trip one: To Solway Bend to study aquatic Turtles  
Field Trip two: We will visit some schoolyard wetlands to look for samples of amphibians and then venture to one of the CRESO snake and Box Turtle study sites

*John Byrd is a retired biology teacher who has been conducting field research with middle and high school students for the past 30 years as part of the Clinch River Environmental Studies Organization (CRESO). Student projects range from quantifying the predation rates of chickadees and downy woodpeckers on goldenrod gall fly larvae to studying the assemblage of snakes at the University of Tennessee AgResearch and Education Center.*

Three sessions: Tuesdays & Thursdays, 6:00 - 7:10 p.m., April 19; May 1, 3  
Field Trips: Saturdays, May 5, 9:00 a.m., May 12, 8:00 a.m.

**555  What is Topology?**

Topology is the study of geometry in which the diagrams may be thought of as drawn on a rubber sheet. What is of interest are things which do not change when the rubber sheet is distorted but which only depend on how the points and lines are connected. Among the aspects that will be discussed are map coloring, graph theory, fixed-point theorems, application to differential equations, and the (Boolean) algebra of sets.

*Lawrence Dresner came to Oak Ridge in 1954 to work at ORNL. He has a PhD in physics from Princeton University. Since his retirement in 1994, he has occupied himself with recreational mathematics. He has been a frequent lecturer at ORICL over the years.*

Eight sessions: Thursdays, 1:00 - 2:10 p.m., February 8, 15, 22; March 1, 8, 15, 22, 29
556  **How Regional and Local Geology Impacts Our Daily Lives**

This class will meet five times and have a one day field trip in the Oak Ridge-Clinton area. Class meetings will cover the following topics:

**January 30**  Introduction and why this class theme – features we can see immediately.

**February 6**  Regional Geology of east TN, western NC, and adjacent states.

**February 20**  East Tennessee geologic history.

**February 27**  Living in a young mountain chain.

**March 3**  One-day field trip – Saturday

**March 6**  Earthquake hazard in east Tennessee – separate from New Madrid region.

*Bob Hatcher is a UT Distinguished Scientist and Professor of Geology with primary interests in tectonics and structural geology. He has more than 35 years of basic research experience. His research has been on the evolution of mountain chains; applying geology to engineering and environmental studies; petroleum resource and much more. He has worked for ExxonMobil and been on the faculties of Clemson University, Florida State University, and the Univ. of S. Carolina. He is a graduate of Vanderbilt (BA & MS, majors in geology and chemistry) and UTK (PhD).*

Five sessions:  Tuesdays, 7:30 - 8:40 p.m., January 30; February 6, 20, 27; March 13

Field Trip:  Saturday, March 3 (There will be a fee to be determined at a later date.)

**557  Research at the University of Tennessee’s Biosystems Engineering and Soil Sciences Program (BESS)**

As the name implies, the BESS program in the Agriculture School at UT applies the power of new knowledge and technical developments to a wide variety of biological systems problems. In this series, researchers in a variety of fields in the BESS program will discuss their work. The speakers and their topics are as follows:

**February 14**  Dr. Neal Eash:  Soil Conservation and Health: soil erosion studies in Africa

**February 21**  Dr. Forbes Walker:  Impact of weather change on water supplies and usage

**February 28**  Dr. Douglas Hayes:  Bioprocessing: Processing of biodegradable plastic mulches

**March 7**  Dr. Andrea Ludwig:  Hydrology and Water Management: Urban and Residential Stormwater Management

**March 14**  Dr. Nour Abdoulmoumine:  Biomass Conversion: FTP biofuels, bioenergy, and bioproducts

Five sessions:  Wednesdays, 4:00 - 5:10 p.m., February 14, 21, 28; March 7, 14
558  The Roots of Quantum Mechanics

The rise of 20th century interpretations of physical phenomena are embodied in modern physics, classical physics being a special case, with roots far into antiquity. This survey covers the high points of the evolution of classical to modern physics with philosophical implications.

Alex Gabbard is originally from Berea, KY, where his early life rotated between a small college town with his father and a tobacco farm in the mountains of North Carolina with his mother. He became a special weapons expert during the Vietnam era, then attended college and worked as a physicist at the Oak Ridge National Laboratory from which he has recently retired. Alex is a widely published author; his book, Blood of the Roses, was a Freedom Book of the Month selection.

One session: Wednesday, 1:00 - 2:10 p.m., February 7

600  Solutions for an Economic Unequal American Society

This class will present material on U.S. and Anderson County income inequality from 1980 to present. This is then followed by social science’s research on potential causes and solutions to this severe income inequality. Students will gain a basic understanding of the scientific research into all aspects of U.S. and Anderson County income inequality, as well as an understanding of what solutions might mitigate this inequality.

Chaplain (Lieutenant Colonel) Eric Keller, U.S. Army (retired) served 24 years on active duty culminating with a final assignment at the Pentagon. He then used the G.I. Bill after retirement to earn a doctorate in political science from the University of Tennessee in 2015 with a major in American politics and minor in U.S. international relations. Currently he volunteers as a researcher for UTK Political Science Department. His research focus is on government financial regulators, partisan politics, and market income inequality.

Four sessions: Thursdays, 2:30 - 3:40 p.m., February 8, 15, 22; March 1
601 National Women’s Equality Initiative by Vision 2020

Vision 2020 is a national coalition of organizations and individuals dedicated to achieving economic, political, and social equality for women. Vision 2020 is a nonpartisan convener, catalyst, and rallying point for both women and men who are committed to gender equality. In that role, Vision 2020 will lead Women 100, the national centennial commemoration of the 19th Amendment to the United States Constitution granting women the right to vote, which will take place in Philadelphia in 2020.

Vision 2020 initially established five national goals to be achieved by 2020:
- Increase the number of women in senior leadership positions;
- Achieve pay equity;
- Educate employers about policies and practices that enable men and women to share family responsibilities;
- Educate new generations of girls and boys to respect their differences; and
- Mobilize women to vote with record-setting turnout in 2020.

Vision 2020 recently launched the Shared Leadership Campaign, a collective impact initiative to achieve 50-50 shared leadership among women and men in business and government.

Extraordinary women leaders from all 50 states and the District of Columbia serve as delegates. They are implementing state initiatives that advance women’s equality in support of one of Vision 2020’s five national goals. Nearly 75 organizations are National Allies, endorsing Vision 2020’s mission and collaborating on shared goals. The National Allies represent more than 20 million women and girls.

Patricia Ann Pierce retired from Vanderbilt University in 2007 after a career of almost thirty years as the Senior Director of the Opportunity Development Center (ODC). She was responsible for all university and medical center matters related to equal opportunity and affirmative action laws, regulations, and guidelines. She has given her time to many organizations to promote opportunities and advocate equity for women. She has a BS degree from the University of Tennessee where she played basketball in 1968 under Joan Cronan.

Three sessions: Tuesdays, 4:00 - 5:10 p.m., February 13, 27; March 6

602 Climate Change Impacts on Critical Infrastructure

This course will highlight several specific cases of extreme weather events exacerbated by climate change and the effect they may have on regional critical infrastructure including the electric grid, water resources and water treatment, transportation, and communications. For instance, how will increases in intensity, duration and frequency of heat waves affect seasonal and annual electricity use in different climatic regions? How can cities plan better for long dry periods followed by extreme precipitation events? When a natural disaster occurs that significantly damages one infrastructure sector, such as the electric grid, how could its failure lead to cascading failures in other infrastructure sectors?

Melissa Allen is a postdoctoral researcher at Oak Ridge National Laboratory’s Climate Change Institute. Melissa covers regional atmospheric modeling and analysis of the effects of climate change on cities and critical infrastructure.

Four sessions: Mondays, 6:00 - 7:10 p.m., February 5, 12, 19, 26
603  Ambulance Service Operations: “More than just a ride to the hospital”

Moving past the days of funeral home ambulance drivers, come learn how ambulance service operations have evolved. We will explore the different levels of Emergency Medical Services, the role of the first responder departments, what ambulances are equipped to perform and how care of patients is coordinated between an ambulance and a hospital emergency room. In this course we will be using data specific to the operation of the Anderson County Emergency Medical Service, which provides coverage to all of Anderson County and parts of Roane County (except the DOE facilities). We will share some of the most recent data for types of responses, most frequent chief complaints, age range of patients, and call locations among other data points.

Nathan Sweet is the current Anderson County Emergency Medical Services (EMS) Director. He has served in this role since May of 2009 and has been with Anderson County EMS since May 2002. He was recognized in 2016 as the Tennessee Ambulance Service Association’s Administrator. Prior to becoming an Anderson County EMT he served as a Firefighter/EMT with Gatlinburg Fire Department and in the United States Air Force, in Emergency Services. He sits on the Roane State Community College EMS advisory board, and is an active member of the National EMS Management Association.

One session: Monday, 2:30 - 3:40 p.m., February 19

604  Economics in Everyday Life

Economics is a social science that addresses the factors that determine the production, availability and consumption of goods and services and the flow of resources between various factors. Not all factors are tangible, and value can be in the eyes of the beholder. The result is the efficient allocation of resources to balance supply vs. demand as related to real and perceived costs vs. benefits. We’ll discuss the basic economic relationships, both micro and macro, related to current events to better understand what influences prices, global interactions, and the decisions we each make on a daily basis.

Jan Lyons has a BA in Economics and an MS and PhD in Systems Engineering. Dr. Lyons has always applied economic principles to personal and professional decision-making during a career that spanned risk management and systems engineering in the aerospace industry and academia.

Four sessions: Thursdays, 4:00 - 5:10 p.m., February 8, 15, 22; March 1

605  Economics 101

Interested in exploring Economics in more detail than in the overview provided in Economics in Everyday Life class? An international consortium has developed an introductory Economics course that illustrates economic principles using modern situations and events – no more dismal science! Issues addressed include:

- Economic factors as both self-interested and ethical
- Why supply and demand are sometimes not equal, especially in markets for labor and credit
- How institutions differ among economies and react differently within the global economy

Course materials are available online or may be ordered as a book. Check out the course at www.core-econ.org, then register as a student to download materials. Each participant will be expected to obtain a copy of the course materials and read the relevant chapters prior to each session. While we won’t have time to complete the entire semester long course, we will address those topics of most interest to participants.

Jan Lyons, see bio listed above.

Four sessions: Wednesdays, 4:00 - 5:10 p.m., March 21, 28; April 4, 11
Class Assistants Needed!

When filling out your class registration form, please consider checking the box that says you would be willing to be a class assistant for one or more classes. We really could use a larger pool of class assistants, so please consider offering to help.

For those of you who may be concerned about classes in which audio-visual equipment is to be used, we can provide one-on-one instruction as the need arises. There is also an instructor/class assistant meeting before the term begins. Each classroom has an illustrated instruction sheet and, there will almost always be someone available in the class who is familiar with the equipment.
652  Reincarnation

This class examines reincarnation from a number of perspectives. It covers belief in reincarnation in both eastern and western religions as well as esoteric philosophies through the ages. It includes what scholarly research has been found related to reincarnation as well as people’s personal experiences that hint at reincarnation. It examines how well all of this information fits with knowledge gained during near-death experiences. **Attendance in the class is strictly limited to those individuals who are officially on the class roll.**

Dr. Pratibha Dabholkar taught at UTK for more than 20 years, teaching research methods and service management to undergraduates as well as doctoral students. She also taught at several international universities (in the Netherlands, Sweden, and Australia) as a visiting scholar. Alongside her professional career, she has made a deep study of dream interpretation, supernatural phenomena, and related topics, and since her retirement from UTK, she has taught classes on these subjects at ORICL and other senior centers.

Three sessions: Thursdays, 1:00 - 2:10 p.m., April 12, 19, 26

653  Learning from Supernatural Phenomena

This class examines research on various supernatural phenomena experienced by individuals, ranging from the dramatic (such as near-death experiences and after-death communications) to the relatively simple (such as telepathy and precognitions). The objective is to understand what these phenomena teach us about the unseen yet vibrant spirit universe around us and how this knowledge can shape our current lives. **Attendance in the class is strictly limited to those individuals who are officially on the class roll.**

Dr. Pratibha Dabholkar, see bio above.

Five sessions: Tuesdays, 2:30 - 3:40 p.m., February 20, 27; March 6, 13, 27

654  Cryptic Varietal Crossword Puzzles

Mental exercise such as working crosswords is thought to benefit older brains by keeping them agile. In cryptic crosswords, each clue is a puzzle in itself. Cryptic varietal crosswords have an added layer of logic, so cryptic varietal crosswords are like crosswords on steroids! They combine cryptic clues with variations on the construction of the puzzle itself. Generally, no two puzzles are alike in construction, and the intent of the puzzle authors is to entertain with novelty. Since we began this class, a core group of addicted, self-selected masochists has developed; but we welcome new class members, and will teach them the skills that the veterans, who were all new to this type puzzle when they started, have learned. We begin with an introduction about the history and culture of these puzzles, and then we solve puzzles together as a class. We use U.S. varietal crossword puzzles to learn how to solve cryptic clues and to deduce the wordplay of varietals. They will seem impossible at first! Vocabulary skills are regular crossword assets, but are not nearly as important as mental flexibility and clue type recognition. Come join the fun!

*Elane Streets began learning to solve cryptic crosswords as a newlywed in England in the early 70’s, and, although the shock was severe in the beginning, she has learned to treasure them much more than even the toughest U.S. regular puzzles.*

Twelve sessions: Tuesdays, 2:30 – 3:40 p.m., February 6, 13, 20, 27; March 6, 13, 20, 27; April 3, 10, 17, 24
703 Local Motors

Local Motors is a new company in Knoxville that is not for building vehicles but for re-inventing them. The company uses 3D printing extensively. Among its products is Olli, an autonomous van that will soon be in service in Knoxville. Come join us for the tour.

You will need to provide your own transportation. Attendance is limited to 15 people. Detailed directions will be provided.

**Tuesday, March 20, at 10:00 a.m.**

Trip leader is Bob Olson.

*Trip charge is $10 to cover administrative costs.*

No refunds.
704  Historic Gay Street in Downtown Knoxville

Gay Street was the site of the 1796 Constitutional Convention that resulted in the founding of the state of Tennessee. Two historic, interesting, refurbished, and repurposed buildings are located across the street in the 600 block of the thoroughfare.

Our first stop will be on the east side as we step into the lobby of the Tennessee Theatre, “The Official State Theatre of Tennessee.” The Tennessee’s current organist (who has graced the instrument since 1979) is former Chancellor and Dean of Engineering at the University of Tennessee, Dr. Bill Snyder. He will be our tour guide and lecturer as well as organist, which should make for some interesting student-instructor conversations! (Please note: the Tennessee Theatre does not confirm tours until 60 days out, so if necessary, the alternative visit will be to the Knoxville Museum of Art.)

Lunch will be on your own at the local restaurant of your choice. Restaurants along Gay Street offer a variety of cuisine. The selection includes Babalu Tacos & Tapas, the Phoenix Pharmacy & Fountain, Chivo Taqueria, Nama…and many more nearby.

After lunch we will reconvene in the lobby of the historic building which is now officially known as the East Tennessee History Center (ETHC). Built in 1874 of neoclassical Italianate design, it was Knoxville’s first United States Custom House and Post Office. The building now houses the Museum of East Tennessee History on the first floor. The Knox County Archives, with early public records from Knox County, is on the second floor. The Calvin M. McClung Historical Collection, with a focus on East Tennessee but with strong resources for the entire state, as well as research for all 50 states, is on the third floor.

The East Tennessee History Museum’s permanent exhibition, Voices of the Land: The People of East Tennessee, explores three centuries of life in the region. During our visit, the other first floor museum gallery will host In the Footsteps of Sergeant York, an exhibit from the Museum of the American Military Experience. Here we will learn the story of the events of October 8, 1918 when Tennessee native Alvin York won his medal of honor.

Thursday, March 29, 2018, 9:00 a.m. – 6:00 p.m.

Bus leaves at 9:00 a.m. SHARP from the flag pole in the RSCC parking lot.

Trip leader is Sue Frederick, assistant trip leader is Nancy Burwell.

Trip charge of $30.00 includes transportation via school bus, tours and gratuities. Lunch will be on your own at a restaurant of your choice.

Last date to cancel with a refund is February 28, 2018.
705 Gibbs Gardens in Early Spring

We will travel again to the mountains of North Georgia for a self-guided tour of Gibbs Gardens. This time we will be hoping to see some of the 20 million daffodils of more than 100 different varieties that bejewel the rolling hills and fields and are described by *Southern Living* magazine as “the largest display of daffodils this side of Holland.” Early, mid-, and late-blooming varieties flourish from March to mid-April, if Mother Nature and the weather cooperate.

Owned and designed by award-winning landscape designer Jim Gibbs, the gardens encompass 16 different venues in the two main garden areas—the Manor House Gardens and the Valley Gardens. Spring highlights include forsythia, quince, and spirea, all under a canopy of white dogwood and flowering cherry trees.

After lunch at the Arbor Café, you can take trams to the Manor House Gardens or to the Valley Gardens. You will be able to stroll through the largest Japanese Garden in America, view a replica of the Monet Bridge at Giverny and wander through extensive terraced gardens that flow 150 feet downhill from the Manor House. With 16 garden venues, there is always something to see at Gibbs Gardens, even if our timing to see the daffodils is off.

There will be a great deal of walking involved, and although the paths of the Valley Gardens are wheelchair accessible in dry weather, they are not allowed if there have been recent rains. There is a 100 yard walk from the bus to the Welcome Center.

We will stop for a short break on our way to and from the gardens, so please bring money for snacks if you wish. Lunch will be provided. Also, please remember return times are approximate and could be sooner or later, depending on circumstances.

**Tuesday, April 3, 2018, 8:00 a.m. – 8:30 p.m.**

**Bus leaves at 8:00 a.m. SHARP from the flagpole in the RSCC parking lot.**

Trip leader is Melanie Harless.

*Trip charge of $135.00 includes transportation, admission, lunch and gratuities.*

Last date to cancel with a refund is March 1, 2018.

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Would you like to learn how to register online?

Please join us for an informational and how-to session on

**Tuesday, January 2, 12:00 - 2:00 p.m. in room C-102,**

Coffey-McNally building, RSCC.
Join us for a great day of transportation information. We will travel by bus to Chattanooga and visit the Tennessee Valley Railroad Museum and then tour the Volkswagen Manufacturing Plant.

At the Tennessee Valley Railroad Museum (www.tvrail.com), we will ride the Missionary Ridge Local train which begins at the Grand Junction Station and will take us along one of the original railroad lines in Chattanooga, crossing four bridges and passing through pre-Civil War Missionary Ridge Tunnel, which was completed in 1858. The train stops at East Chattanooga, allowing riders to see the locomotive rotating on a turntable and participate in a tour of the restoration shop before re-boarding for the return trip.

We will then travel to the Food Court at Hamilton Place Mall where you can purchase your lunch from a variety of vendors.

After lunch, we will go to the Volkswagen Manufacturing Plant for a scheduled tour of the facility. The plant is on 1,400 acres, and has over 3,200 employees and 9,500 indirect supplier employees. Volkswagen has made a one billion dollar investment in this operation, a state-of-the-art manufacturing plant. For additional information about the plant: www.volkswagengroupamerica.com/facts.html.

Volkswagen has strict requirements for this tour:

**Cameras are not permitted, and cell phones must be turned off during the tour.**
**You must wear long pants (no dresses or shorts) and sturdy, closed toe shoes.**

The manufacturing plant tour is a sit down ride, but it requires walking approximately ¾ mile to the tour site, during which the tour guide will provide a lot of information and answer questions.

Because we must provide a list of first and last names to Volkswagen 48 hours before the tour, there will be no refunds.

**Wednesday, April 11, 8:00 a.m. – 5:30 p.m.**

**Bus leaves at 8:00 a.m. SHARP from the flagpole in the RSCC parking lot.**

Trip leader is Dick Raridon.

**Trip charge of $85.00 includes transportation, admission fees, and gratuities.**

No refunds.
707 Lincoln Library and Lunch atop McCloud Mountain

Located on the beautiful campus of Lincoln Memorial University in Harrogate, Tennessee, the Abraham Lincoln Library and Museum houses one of the most diverse Lincoln and Civil War collections in the country.

From its earliest days, LMU began to receive and put on display Civil War and Abraham Lincoln memorabilia. In 1929, a room in Duke Hall of Citizenship housed the collection where it remained until the early 1970s. (The current Abraham Lincoln Library and Museum building was completed in 1977.) Today, the museum sees thousands of visitors per year as well as providing programs for children, teachers, and adults throughout the area.

Exhibited are many rare items – the cane Lincoln carried that fateful night at Ford’s Theatre, two life masks, the tea set he and Mary Todd used in their home in Springfield, and numerous other artifacts. Approximately 30,000 books, manuscripts, pamphlets, photographs, paintings and sculptures tell the story of President Lincoln and the Civil War period in America’s history.

Natalie Sweet is the Program Coordinator at the library and will be guiding our group through the museum to view various artifacts in their collection. She was instrumental in development of the “Of the people, By the people, For the people” program which will be sampled in the ORICL class “Lincoln and Citizenship” Thursday, March 15.

Following the museum tour our minibuses will travel to McCloud Mountain Restaurant. Mt. Cloud is located on a 1300 acre tract of land at an elevation of 2700 feet, atop the Cumberland Mountains, and six miles outside LaFollette. From the dining room at the top (after an exciting ride via multiple switchbacks) you can get a breathtaking view of the valley below, Norris Lake, The Great Smoky Mountains, and Knoxville. The restaurant will be offering a limited lunch menu including beverage.

Tuesday, April 17, 2018, 8:00 am – 4:00 pm

Buses will leave at 8:00 a.m. SHARP from the flagpole in the RSCC parking lot.

Trip leader is Becky Rushton.

Trip charge of $65.00 includes transportation, meal, admission, and gratuities.

Last date to cancel with a refund is March 11, 2018.
Join us for a visit to the Biltmore Estate in Asheville, North Carolina. Biltmore was the country home of George Vanderbilt, grandson of the famed industrialist and philanthropist Cornelius Vanderbilt, and his wife Edith. It was completed in 1895, after a six-year construction period.

The luxurious family home of the Vanderbilt’s is a marvel of elegance and charm, as magnificent today as it was more than a century ago. The self-guided house tour spans three floors and the basement. We’ll see displays of vintage clothing, accessories, art, furniture, and more that tell stories and illustrate the lives of the Vanderbilt family, their guests, and employees.

Get a close look at original art by Pierre-Auguste Renoir and John Singer Sargent. Marvel at magnificent 16th century tapestries, a library with 10,000 volumes, a banquet hall with a 70 foot ceiling, 65 fireplaces, an indoor pool, and a bowling alley. Almost all of the priceless objects that you see throughout the house are from George and Edith Vanderbilt’s original collection.

The Biltmore gardens are spectacular on their own, but this spring a special exhibit will be featured, Chihuly at Biltmore. This installation showcases breathtaking large-scale glass sculptures in an equally breathtaking setting: the historic gardens of America’s Largest Home. Dale Chihuly is a well-known glass artist who has led the avant-garde in the development of glass as a fine art with his international glass center, Pilchuck Glass School, in Washington State. The vibrant colors and organic shapes that distinguish Chihuly’s dramatic creations are captivatingly presented within Biltmore’s artfully designed landscapes. The sculptures’ placement in the gardens offer an intriguing juxtaposition of the masterworks of two consummate artists – premier American artist Dale Chihuly and revered Biltmore landscape designer Frederick Law Olmsted.

The tour of the house and gardens is self-guided with an included audio guide for the house. This tour will require a lot of walking up and down stairs in a four-story mansion and is not suitable for those with mobility issues. Lunch will be on your own and is not included in the trip cost.

Denise Kiernan, NY Times bestselling author of The Girls of Atomic City, has released a new book about Biltmore, The Last Castle. This narrative nonfiction book takes the reader on a Gilded Age journey from the height of excess to the depths of family tragedy in the glittering true story behind the largest home – ever – in America, and the amazing struggles of those who resided within its walls. If there is sufficient interest, a book discussion will be held prior to the trip.

Tuesday, May 22, 7:00 a.m. – 6:30 p.m.

Bus leaves at 7:00 a.m. SHARP from the flagpole in the RSCC parking lot.

Trip leader is Laura Bowles

Trip charge of $140.00 includes transportation, admission, and gratuities.

Last date to cancel with a refund is April 17, 2018
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THANKS!

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Please remember that online registration opens January 2. Paper registrations will be processed beginning on January 3.

We will accept paper registrations in the office beginning December 5. The earlier you register the better chances you have for getting the classes you request!

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