

Winter 1995

100 ART, ARCHITECTURE AND MUSIC

101 Learning to Draw

Tuesday, 11:30 - 1:00

Dorothy Ellis

This course is designed primarily for those who took the beginning courses last winter or fall, though others with some experience are welcome as well. Suggested reading: *Drawing on the Right Side of the Brain*, by Betty Edwards, and *Zen for Seeing*, by Frederick Franck.

Dorothy Ellis is a local artist who concentrates on printmaking. Her work has been shown in juried shows. She taught in Fairfax schools for many years and participated in curriculum development for art in Arlington and Fairfax and for the State Department of Education of Virginia. She has bachelor's and master's degrees in art and education.

102 Beginning Calligraphy

Thursday, 11:30 - 1:00

Hermineh Miller & Carol Burgess

During the first two sessions, Hermineh Miller will explain the evolution of various styles of writing and their progression within particular cultures. She will demonstrate the use of tools and materials that influenced the creation of the Roman alphabet. A variety of alphabets, including Roman Capitals, Uncials, Humanistic, and pointed pen letters will be shown. During the last two sessions, Carol Burgess will conduct a hands-on introduction to the italic in both lower and upper case. Bring a clipboard. Tools will be provided at a cost of about \$5.

Hermineh Miller has practiced calligraphic and teaching arts for 29 years and has taught book making to calligraphers, lettering artists and paper makers. Her work has been displayed in the Klingspor Museum in Offenbach, Germany, in Washington, D.C., and in other places. She received her M.F.A from Michigan State University. **Carol Burgess** is a past President of the Washington Calligraphers' Guild.

103 Opera for Enlightenment and Entertainment

Wednesday, 9:30 - 11:00

Helene Layman

The times in which operas were composed affected the musical styles that resulted. By considering the political and historical contexts, the class will gain new insights into old favorites.

Helene Layman is a former opera singer. She is a graduate in music from the University of California and in voice from Julliard and has a master's degree from the University of North Carolina.

300 HISTORY & INTERNATIONAL STUDIES

301 Commemoration of World War II

Thursday, 11:30 - 1:00

Moderator: Vince Boylan

To join in the national commemoration of World War II, 15 panelists from LRI will relate their war-time experiences. Male and female, civilian and military, they served in the U.S. and overseas. Class members will be encouraged to share their own experiences in this unique period in our lifetime.

Vince Boylan is a retired corporate planner for Bell Atlantic. He served in the Army in China in World War II and returned to service in the Korean war. He has had a life-long interest in

military history, is a graduate of Manhattan College and holds a master's degree in history from George Mason University.

302 The Dawn of American Medicine

Monday, 11:30 - 1:00

W. Burns Jones

During the colonial era, settlers brought with them their medical beliefs and experience. Indians of the Americas had their own health practices, many of them quite sophisticated. The course will examine both sets of knowledge, as well as look at the diseases and epidemics of the period that had a profound effect on human history. The last session will focus on the medical training of colonial doctors and touch on folk medicine and home remedies.

W. Burns Jones holds a doctorate in medicine from The Medical College of South Carolina and also a master of public health degree from the University of North Carolina. In 1993 he received a master of arts degree from George Mason University, with a major in American history. His extensive background includes being a medical missionary in Alaska, a health director in North Carolina, and a teacher of history at the Madeira School, the Smithsonian and Elderhostel.

303 The Mysteries of the Pyramids

Tuesday, 9:30 - 11:00

Glenn R. Markus

Among the oldest and most mysterious of the monuments of ancient man are the famous pyramids of the pharaohs and queens of Egypt. Almost everyone recognizes the great pyramids built nearly 5,000 years ago by the kings of the 4th Dynasty on the edge of the desert west of the Nile near Giza. But though these gigantic structures mark the apogee of pyramid building, their origins may be traced to an even earlier period of Egyptian history. This course, previously offered in the winter 1993 term, provides an introduction to early Egyptian mythology, religion and history and their influences on the concepts of the royal prerogative of the after-life. Class members will explore why these ancients devoted so much labor and effort to tomb construction. On-site slides and video tapes will be used to highlight key points in the course.

Glenn R. Markus has a master's degree from Johns Hopkins University, with a concentration in Greek and Roman studies. He is a partner and owner of a health policy consulting firm and spent nearly 20 years directing health policy research for the Congressional Research Service.

400 LITERATURE, LANGUAGE & COMMUNICATION

401 Learning from Literature

Thursday, 9:30 - 11:00

Joanne Johnson

Continuing the theme of a fall course that examined the contributions of selected writers to the history of ideas, the class will read and discuss Ralph Ellison's *Invisible Man* and Cormac McCarthy's *All the Pretty Horses*, two vastly different books that share the depiction of a man coming to a better understanding of himself and his times.

Joanne Johnson holds a master's degree from the University of Missouri and was a Danforth Fellow at the University of Pennsylvania. The wife of GMU's President, she devotes much of her time to the arts at the university, where she serves as Chairman of the Fund for the Arts.

402 Play Reading Allowed

Thursday, 2:00 - 3:30

Coordinator: Tom Hartnett

Tired of passive viewing of mindless shoot-'em-up movies and TV sitcoms? Interested in real drama but don't have the time or inclination to memorize lines and perform on stage? Join other LRI members in casted, staged, reading aloud of short plays, acts or scenes selected for the quality of the spoken word. No prior acting experience required.

Tom Hartnett is experienced in play reading groups and has acted in community theater. Formerly a high school teacher of literature and speech, he has since 1970 been an appraiser of art and literary property.

403 Poetry Workshop

Tuesday, 11:30 - 1:00

Ellen Anderson

Poetry lovers who want to create their own poems will find support and guidance in this workshop, whether they are beginners or have written for several years. Students may submit new poems each week for class critiques and suggestions for potential markets for sale of poems. **Ellen Anderson** is a published poet who has taught at Northern Virginia Community College and the Arlington County Adult Education Program and has been a speaker at writers' workshops. She is listed in *Writers in Virginia* and is a member of the Poetry Society of Virginia and the Poetry Society of America.

404 Simple Russian

Monday, 11:30 - 1:00

Helen Lapitsky

For fun and a brain challenge, learn the Cyrillic alphabet plus some common words and expressions. Later you may want to go on and pursue the Russian language in more depth. Limited enrollment.

Helen Lapitsky spoke Russian as a child and studied the language for two years at the University of Michigan, where she earned a bachelor's degree. She worked in Chicago in international trade for 36 years

405 Intermediate French

Wednesday, 11:30 - 1:00

Odette B. O'Donnell

This conversation class is for those with some proficiency in the language. Videos and tapes will be used to augment the discussion of current events and other topics.

Odette O'Donnell has taught French for 23 years.

500 PHILOSOPHY & RELIGION

501 Native Religions Revisited

Monday, 9:30 - 11:00

Lee Francis

Native American people see themselves as related to all that is to all things seen and unseen. This course will explore how that sense of relatedness, that reverence for balance and harmony, is manifested in their creation stories and contemporary practices. The class will address Native American powwow protocol (religious/spiritual/social ceremonies). A suggested reading list will be provided.

Lee Francis, Ph.D., is from Laguna Pueblo. He is National Director of Wordcraft Circle of Native Writers & Storytellers as well as Director of the W-I-N-S (Washington Internships for Native Students) at American University. He has recently edited a scholarly collection of contemporary Native writers and storytellers.

502 The Meaning of Myth

Wednesday, 11:30 - 1:00

George Bain

Expect to have your thinking challenged as the class explores together certain mythical themes that have endured over millennia, using a 121-page collection of course notes. Subjects include Great Mother myths from ancient times to the present, the rise of patriarchy, the commonality of creation myths, and how the hero in myths can affect our societies and individual lives. The

course is limited to 16 members. There is a charge of \$3 for course notes, payable at the first class.

George Bain is a long-time student of history and mythology. He has a master's degree in economics and taught at the University of Toronto. He has traveled widely in underdeveloped countries, where he delved into many mythological themes.

600 POLITICS AND GOVERNMENT

601 The Dominant Reform Issues

Tuesday, 11:30 - 1:00

Moderator: Donald F. Simpson

There's much talk about reform in the areas of health, welfare and criminal justice. Experts will present the pros and cons of major legislative and other proposals, with ample time for class discussion.

Donald F. Simpson has over 40 years' experience in and out of government in these fields and in human services generally. All of the speakers are highly qualified by both education and experience in their respective fields.

900 OTHER

901 Using Genealogy Sources in the D.C. Area

Thursday, 9:30 - 11:00

Coordinator: Dagmar Lending

This course is a follow-up of the beginning genealogy course given last year, but new members are welcome. An additional session will be offered for beginners who need extra help before visiting the sites. The first class at LRI will be an overview of each facility. On succeeding weeks, the class will visit the National Archives to learn to do more than the census, the DAR Library in Washington and the National Genealogical Society Library in Arlington. At each facility there will be a lecture and a tour of the building. The docents, two of whom worked with us last year, will help class members. There is a charge if you wish to remain to do research at two of the sites. Note: We will use Metro or carpool to the facilities.

Dagmar Lending taught children with learning disabilities in Fairfax County schools. Since retiring she has explored other interests, including genealogy. She is a member of the Fairfax Genealogy Society and has taken classes on researching family history.

SPECIAL EVENTS

A. An Elderhostel Trip to Russia

Wednesday, January 25, 2:00 - 3:30

LRI member Marvin Alexander will share his experience and impressions during a visit to Tver University in Russia as part of an Elderhostel and Global Volunteers program. The visit was the culmination of his continuing interest in Russia over 45 years. He will share what he learned from interviews and discussions with Russians young and old, educators and students, business people and members of the military.

Coordinator: Janice Dewire

B. Life in and Escape from a Concentration Camp

Tuesday, January 31, 2:00 - 4:40

As a Jewish teen-ager, Eddie Willner along with 4,000 other prisoners was Adeath marched@ from Auschwitz to Buchenwald. Only 276 survived. The Waxner Learning Center of the

Holocaust Museum interviewed and recorded his experiences as a prisoner and escapee. Eddie will show the 23-hour tape and answer questions.

Coordinator: Vince Boylan

C. Historic Fairfax City

Wednesday, February 8, 2:00 - 3:30

John Gano, President of Historic Fairfax, and Daryl Humrichouser, Director of the Fairfax Museum, will tell us more about LRI's hometown.

Coordinator: Bunny Abel

D. Tour the Old Executive Office Building

Saturday, February 11, 10:00

The OEOB is considered the best example of French Second Empire architecture in the U.S. The 90-minute tour includes the Diplomatic Reception Room, the Vice President's office, the Indian Treaty Room and the President's Library. Note: There are many stairs, so walking shoes are recommended. Your registration for this Special Event must include your full name and date of birth. On the day of the tour, you will have to show a picture ID, such as a driver's license. Be in the lobby by 9:45. The OEOB entrance is on 17th Street at G Street, near the Farragut West Metro stop; free parking on the Ellipse is probable. No guests can be accommodated on this tour, and if you register but have to cancel, you must notify the LRI office or the Coordinator.

Coordinator: Nancy Palmer

E. Yugoslavia, Past and Present

Tuesday, February 14, 2:00 - 3:30

Sher Gerson, Chief Operating Officer of the International Science Foundation, will bring a historical perspective to this discussion. His foundation provides scientific cooperation with the countries of the former USSR. Dr. Gerson's thesis at Princeton was *Revisionism in Yugoslavia*.

Coordinator: Murray Minster

F. Our National Parks

Wednesday, February 22, 2:00 - 3:30

After over 30 years in the Air Force, Brigadier General Hank Wilson (Ret.) and his wife traveled in their motor home for two and a half years, visiting and photographing national parks in the U.S. and Canada. He will show some of his excellent slides.

Coordinator: Bunny Abel

Fall 1995

100 ART AND MUSIC

101 Folk and Non-Western Music

Wednesday, 9:30 - 11:00

Sam di Bonaventura

Folk music is subject to different meanings and interpretations. Folklorists define it as the product of a musical tradition that has evolved through oral transmission, with authors and places of origin unknown. The tradition is shaped by (1) continuity that links the present with the past; (2) variation that springs from the creative impulse of the individual or the group; and (3) selection by the community of the usage of the musical material and the forms that survive. The course will provide examples of many kinds of folk music from both foreign and domestic sources, with discussion of their characteristics, similarities and differences.

Sam di Bonaventura holds music degrees from Juilliard, Yale, Harvard and the Peabody Conservatory. He is Professor of Music at GMU and a former chairman of the Department of the Arts at GMU. He has been a music critic for the *Baltimore Sun* and a program annotator for the Baltimore and Fairfax symphony orchestras and other performing organizations. He has contributed articles and biographies to professional music dictionaries and periodicals.

102 To the Pointe! An Appreciation of Ballet

Thursday, 11:30 - 1:00

Judy Allen

Ballet has dominated the world of concert dance for over 300 years since its birth in the French courts in the mid-17th century. Examine the historical roots and beauty of this performance art form, as well as discover the inside world of ballet terminology, choreographers, dancers and choreographic works. The class will attend two ballets at GMU; ticket arrangements will be made after class begins.

Judy Allen is Professor of Dance at GMU. She received her M.F.A. in Dance from the University of North Carolina at Greensboro and taught at the University of Iowa and the University of Hawaii prior to her appointment at GMU. She is an active choreographer, teacher and dance notator. Currently, she is Vice-President of the American College Dance Festival Association.

103 Beginner and Intermediate Watercolor

Thursday, 1:30 - 3:30

Marion Gurfein

This is a fun in watercolor course. Beginners will learn how to use supplies, how to mix colors, and more. The class will explore various techniques, such as glazing, wet in wet painting, how to use perspective in doing street scenes, how to paint water scenes, and how to just enjoy the thrill of recording your reactions to life through painting. Students must provide their own supplies. Class limited to 10.

Marion Gurfein graduated from Cooper Union, majoring in fine arts, and then worked as a fashion illustrator for various magazines. With her husband, Joseph Gurfein, she traveled the world for 26 years as an Army wife, often giving art classes.

104 Sketch I

Wednesday, 2:00 - 3:30

Richard Hibbert

Learn the materials and techniques useful in sketching still lifes, landscapes and illustrations. Become acquainted with techniques for drawing with pencil, charcoal and ink. From class participation and voluntary homework assignments, you can increase your awareness of sketching techniques and choices of drawing media. Class members will be provided a short list of supplies to purchase. Class limited to 10.

Richard Hibbert is a graduate of the Oregon School of Architecture and served as the Chief Architect for Navy Housing. He taught photography in the Fairfax County Adult Education program and currently is a private architectural consultant.

200 ECONOMICS AND FINANCE

201 Economic Principles

Monday, 11:30 - 1:00

Garrett Ruhl

Class discussions will focus on the uses of economics in interpreting public policy choices, including new economic research and how to follow economic changes. Topics planned: economics as science; 1996 federal budget changes and the deficit; trends in public vs. private sectors; education's long-term value; labor, the human capital; inequality and welfare changes; investment and savings; and prize-winning economists.

Garrett Ruhl has a B.A. in economics, an M.A. in comparative economics and a J.D. degree. He is a member of the American Economic Association and has conducted six prior LRI courses on public policy.

300 HISTORY & INTERNATIONAL STUDIES

301 The Rise of Rome

Tuesday, 9:30 - 11:00 (starts Oct. 3)

Glenn R. Markus

During the five centuries before Christ, a group of tough, dedicated Roman peasant farmers and citizen soldiers, under the leadership of an oligarchy of aristocrats, first conquered all of Italy and then extended dominion throughout the Mediterranean world. As Roman power grew, the loyalty of the population to its leaders seemed assured. But it soon became difficult for the lower political orders to benefit from new conquests, while the competition for privilege, wealth and power among the ruling classes was increasingly bitter and violent. Eventually, the Roman Republic collapsed into civil war and anarchy. This seminar examines the rise and fall of the Roman Republic and its replacement by the even more powerful Roman Empire under Caesar Augustus. Students will study Greek and Latin works (in English) that provide first-hand accounts of the power that was Rome. There is a significant amount of reading each week, and students should plan to buy three books costing about \$31.

Glenn Markus holds a master's degree from the Johns Hopkins University with a concentration in Greek and Roman studies. He is a partner and owner of a health policy consulting firm and spent nearly 20 years directing health policy research for the Congressional Research Service.

302 The James: A River of History

Monday, 2:00 - 3:30

Allen J. Montecino, Jr.

The James River in Virginia may be the most historic river in America. From the first English settlements to the last days of the Civil War, the James was the stage for major events in our country's history. This course will explore the many aspects of the river's role.

Allen J. Montecino, Jr., a retired military officer, has a master's degree in American history and has taught at LRI and a local college.

303 Eastern Europe: The Post-Soviet Era

Tuesday, 11:30 - 1:00

Moderators: Helen Lapitsky

Murray Minster

How has the demise of the Soviet Union impacted Eastern European countries? How much progress has there been toward democracy and market economies? These subjects will be addressed both from an over-all perspective and by individual countries. Guest speakers from international institutes, university faculties and embassies will discuss the current situation in Poland, Hungary, the Czech Republic, Romania and other countries.

Helen Lapitsky majored in languages and minored in history at the University of Michigan and worked for 36 years in international trade for a multinational corporation in Chicago.

Murray Minster, a graduate of Georgetown University's School of Foreign Service, is a retired career CIA employee.

304 Intelligence and Espionage: Hidden Elements of History

Tuesday, 9:30 - 11:00

Eugene Poteat

To make decisions and weigh their consequences, groups of people have always needed information about adversaries, rivals and friends, often obtained with the help of spies and intelligence organizations. Self-preservation also causes them to use secrecy to conceal their own intentions as well as sources of information and means of collection. This course surveys the use of intelligence and espionage by military and political leaders, through a series of fascinating espionage stories, from ancient through modern times, to show how intelligence successes and

failures altered the course of history. Special emphasis will be placed on the American experience.

Eugene Poteat is an electrical engineer and physicist. He started his career in research and development at Bell Labs, working in New Jersey and Cape Canaveral. He became a career technical intelligence officer for the CIA, retiring in 1980. He then founded the Petite Research Group, a high-tech company in McLean.

305 From Germanys to Germany: A Twice-Told Tale

Thursday, 11:30 - 1:00

Joseph Wildermuth

This course traces the efforts of Germans to form a nation-state. It examines three questions: Why did the Germans take so long to unite a century ago? Why was this first union of such short duration? What are the implications of the rejoining of East and West Germany?

Joseph Wildermuth has a B.A. from Wabash College, an M.A. from the University of Maryland and a Ph.D. from Indiana University. During World War II he served in the U.S. Army, and then had a 21-year career as an operations officer in the CIA. He was a history teacher at the Sidwell Friends School from 1974-1992.

306 Modern Italy, Austria and Switzerland

Wednesday, 9:30 - 11:00

Harris Greene

This examination of three European countries will consider Italy from the time of Mussolini, Austria since World War I and Switzerland since 1815, in each case bringing their very different histories up to the present time.

Harris Greene was a senior officer at CIA and lived in each of the countries studied in this course. He has a degree from Boston University and has had six novels published by Doubleday.

400 LANGUAGE AND COMMUNICATION

401 French Over Lunch

Tuesday, 1:00 - 2:00

Odette O'Donnell

Bring your lunch and enjoy a relaxed atmosphere in which to maintain or improve your French.

This is not a beginner's course. Videos and tapes will be used to augment the discussion of current events and other topics. Class limited to 15.

Odette O'Donnell has taught French for 23 years.

402 Improve Your Computer Skills

Tuesday, 2:00 - 3:30

Ray Beery

If you have or plan to get a Windows or Macintosh computer, come to this class to ease your frustrations and hone your skills. No experience is necessary. Following last semester's *Introduction to Windows*, this course addresses practical problems with computer configuration, word processing and Internet communications. As anyone wishes, we will examine tips and tricks in other applications, such as spreadsheets and databases. Class members may apply for free computer accounts on MasonLink, the GMU student and worldwide network. Practice time on LRI's computers can be scheduled (see page 13).

Ray Beery has an M.B.A. in computer applications and logs many hours on the PC in his home office. He works with GMU's University Computing and Information Service, teaching office automation to faculty and staff. He is twice retired: from the Air Force and from Computer Sciences Corporation.

500 LITERATURE

501 Poetry Workshop

Tuesday, 11:30 - 1:00

Ellen Anderson

Poetry lovers who want to create their own poems will find support and guidance here, whether they are beginners or have written for several years. Students may submit new poems each week for class critiques and suggestions for potential markets for sale of poems.

Ellen Anderson is a published poet who has taught at Northern Virginia Community College and the Arlington County Adult Education Program and has been a speaker at writers' workshops. She is listed in *Writers in Virginia* and is a member of the Poetry Society of America.

502 Readers Theater

Monday, 2:00 - 3:30

Tom Hartnett

Here's a course for those who want the experience of quality drama but don't have the time or inclination to memorize lines, cues and blocking. We will do prepared readings of diverse scenes and plays selected for their dramatic quality. This semester four seasoned actors will serve as our drama coaches: Gus Babb, who has experience in more than 40 community productions; Bill Eustace, a long-time professional actor, recently in NBC's *Homicide*; Ivan Gluckman, who just completed a principal role in *Lend Me a Tenor*; and LRI member Helene Layman, who has professional experience on Broadway and with the San Francisco Opera, and in ballet and teaching.

Tom Hartnett has acted in community theater and was formerly a high school teacher of literature and speech. Since 1970 he has been an appraiser of art and literary property.

600 PHILOSOPHY AND RELIGION

601 Ethics in America

Tuesday, 11:30 - 1:00 (starts Oct 17, 6 classes)

Martha Poling

The class will view and discuss documentary films from the Virginia Foundation for the Humanities that focus on some of the continuing ethical dilemmas in American life. In the films, panels of experts from the fields of medicine, law, politics, the press and others discuss issues and raise questions of conscience for the class to consider. Each film is one hour, with the remaining time for class members to express their views.

Martha Poling has a B.A. in sociology and political science from Florida State University and did graduate work in education and human development at the University of Virginia. She has taught at McLean High School, American Academy in Athens, Greece, and Fairfax County Adult Education.

700 SOCIAL STUDIES

701 Genealogy for Beginners

Tuesday, 2:00 - 3:30

Pat Bray

This course is designed for the serious-minded beginner who wants to get started immediately in discovering his or her family ancestry. No experience is needed. The course will include such topics as organizing your search, using federal censuses and vital records, and other areas that are important in genealogical research. There will be lectures, assignments, field trips, open discussion and one-on-one assistance. Course booklets will cost approximately \$21, payable when the course begins.

Pat Bray is a retired IBM administration/facility manager who has been researching his family history for many years. He is a member of the National Genealogical Society, the Virginia Genealogical Society and the Fairfax Genealogical Society.

702 Reinventing Education

Monday, 9:30 - 11:00

Bill Cooley

This is a time of rapid change in our K-12 schools, and the results will impact our future quality of life and the success of our economy. The course will review the wide-ranging and innovative reform efforts throughout the country and look at curriculum content in terms of the knowledge, skills and performance capabilities of graduates. We will consider standards for testing, how our students compare with others around the world, and the types and examples of new schools, such as magnet and charter schools and distance learning. Fairfax County residents will be able to vote for School Board members in November, so this is a good time to become better informed on the major issues in education.

Bill Cooley is a retired engineer with experience in research, development and management. He taught engineering and computer-aided design as an Associate Professor in the School of Information Technology and Engineering at GMU for six years. He served as Chairman of the Technology Education Advisory Committee to Fairfax County Public Schools in 1992-93 and has tutored in county schools. He holds an M.S. in aeronautics from Caltech and a doctor of science degree in mechanical engineering from MIT.

703 Can You Slow the Aging Process?

Monday, 9:30 - 11:00

Irving M. Levitas, M.D.

The aging process is influenced by numerous factors. How young you are (and stay) depends on how you treat your body, your emotional makeup, your sexuality, work satisfaction, education and how you choose to spend your time. All of these will be explored from a medical point of view.

Irving M. Levitas, M.D., author of *You Can Beat the Odds on a Heart Attack*, is a Diplomate of the Board of Internal Medicine, a Fellow of the American College of Physicians, and Emeritus Clinical Associate Professor of Medicine at the University of Medicine and Dentistry of New Jersey. Prior to moving to Virginia, he was a medical consultant to the *Physician's Desk Reference*. He also has been a health advocate for the Northern Virginia AARP.

704 A Taste of Mediation

Friday, Oct. 20, 9:30 a.m. to 2:00 p.m.

Chester Myslicki

This one-time, four-hour class (with a break for lunch) will let you experience one process in which mediators help individuals solve problems. Be ready to enter into role playing and discussions and learn useful mediation skills. The instructor will assist Susan Shearouse, an experienced mediator. Class limited to 20. This course is a repeat of one offered in the winter 1994 program.

Chester Myslicki was an economist with the Department of Labor and had overseas experience in Iran with U.S. AID and in Afghanistan with the International Monetary Fund. After retirement, he became a paralegal for the Legal Council for the Elderly and a mediator with the Northern Virginia Mediation Service, which is affiliated with GMU.

800 SCIENCE AND TECHNOLOGY

801 Leeches to Lasers: The Modernization of Medicine

Thursday, 9:30 - 11:00

W. Burns Jones

This course traces the development of American medicine from a rather crude practice to a scientifically based profession. Along the way we explore such interesting by-ways as folk medicine, the Civil War, quackery and health care reform.

W. Burns Jones holds a doctorate in medicine from The Medical College of South Carolina and also a master of public health degree from the University of North Carolina. In 1993 he received an M.A. from George Mason University, with a major in American history. His extensive background includes being a medical missionary in Alaska, a health director in North Carolina, and a teacher of history at the Madeira School, the Smithsonian and Elderhostel.

802 Long Ago and Far Away: Topics in Astronomy

Wednesdays, 11:30 - 1:00

John Wallin

The planet we live on is only a tiny part of the vast universe. This class will explore the rest of the universe with a series of talks by professional astronomers. Topics will include cosmology, historical astronomy, colliding galaxies and black holes, as well as the methods and techniques used to study these phenomena.

John Wallin holds a Ph.D. in astrophysics from Iowa State University and is currently an astronomer and computational scientist at George Mason University. His research uses a combination of observations and computer models to understand colliding galaxies.

803 Feats of Engineering

Monday, 11:30 - 1:00

Joseph I. Gurfein

Ever wondered how bridges, dams and skyscrapers get built? The planning and structural design work that go into such projects will be the focus of a fascinating course by the engineer responsible for the erection of 21 of GMU's buildings.

Joseph I. Gurfein has a Ph.D. in engineering and 40 years of experience with projects in the U.S., Europe and Africa. He is now a professor of engineering at GMU.

804 The World of Herbs

Wednesday, 11:30 - 1:00 (6 classes)

Pat Kenny

Our livelihood, our whole existence has been dependent upon botanical support. This course will give you an overview of the history of herbs—whether used to heal or cure, to season food, to steep for beverages, or to concoct a love potion. Visits to the National Herb Garden and other gardens in our area will give us a learning showcase into growing, harvesting and using herbs. Class sampling will provide basic, first-hand experience.

Pat Kenny has been growing herbs for 20 years and giving herbal demonstrations and talks on herb gardening, history and uses, in support of the National Herb Garden at the National Arboretum. She has a B.A. in biology from Mary Washington College and an M.A. in medical and biological illustration from the Johns Hopkins University School of Medicine. For more than 30 years she was a medical illustrator at the National Institutes of Health.

SPECIAL EVENTS

A. Passive Solar Architecture

Friday, Sept. 29, Lecture 9:30 - 11:00, at Tallwood.

Tours start at noon

Learn how one LRI member designed his earth-sheltered passive solar home. Richard Hibbert is an architect and passive solar-energy consultant. After his lecture, groups of 12 persons will be assigned times that afternoon to visit his home in Fairfax Station.

Coordinator: Richard Hibbert

B. Jefferson's Dream Realized

Friday, Oct. 13, 7:30 - 5:30, bus tour

Join LRI's tour of Mr. Jefferson's home and gardens at his beloved Monticello, followed by lunch and tour at the Michie Tavern. The bus will leave LRI's parking lot at 7:30 a.m. Cost: \$33, including bus, entrance fee at Monticello, and lunch and tour at Michie Tavern. Limited to 55 persons.

Coordinator: Dolores Ecklund

C. Preview of Rigoletto

Wednesday, Oct. 18, 2:00 - 3:30, at Tallwood

Helene Layman will review Verdi's opera *Rigoletto*, using her knowledge and experience as a former opera singer. She is a graduate in music from the University of California and in voice from Juilliard and also has a master's degree from the University of North Carolina. Helene has conducted previews of operas for LRI in the past, including *La Bohème*, *Die Fledermaus* and *La Traviata*.

Coordinator: Bunny Abel

D. Rigoletto at GMU

Friday, Oct. 20, 8 p.m., at GMU Center for Performing Arts

The Virginia Opera Company will perform this popular opera about a court jester and a countess and count in tragic escapades. Rigoletto's famous aria "La Donna è mobile" (A Woman Is Fickle) is always a high point for opera lovers. LRI has reserved 60 seats. Cost: \$40 each.

Coordinator: Bunny Abel

E. Art Tour at the National Gallery

Friday, Oct. 27, 2:00 at the National Gallery

Tour the special exhibit of Winslow Homer paintings in the East Wing with a gallery lecturer. Afterward, visit one of the most important possessions of the gallery in the West Wing, the Chalice of Abbot Suger of St. Denis, Paris, with its history explained by Shirley Fox. Then on your own you can see other treasures, such as the Impressionists. All National Gallery tours are free. Tour limited to 35.

Coordinators: Shirley and Larry Fox

F. Guided Walking Tour of Alexandria

Friday, Nov. 3, 10:00, at the Alexandria Visitor Center

We'll tour five historic blocks and then have lunch at Gadsby's Tavern. The tour is free except for a 50-cent guide gratuity; the cost of the optional lunch is \$21.50.

Coordinator: Alma Eklund

G. What the Hubble Telescope Sees

Wednesday, Nov. 15, 2:00 - 3:30, at Tallwood

Dr. William J. Webster, Jr., of the Goddard Space Flight Center's Office of the Laboratory for Terrestrial Physics, will present exciting slides and talk about the surprises that the Hubble telescope is providing from space. These include convincing observations of a massive black hole, evidence that the first galaxies formed after the big bang did not have the same distribution of shapes as today, and the detection of icy bodies at the very outer boundary of the solar system.

Coordinators: George Dewire, Janet Meisenhelder

H. Trip Tales

Wednesday, Nov. 29, 2:00 - 3:30, at Tallwood

Here's your chance to tell an eager group of LRI members all about your trip this summer or fall. Al Giles, who has attended 13 Elderhostel programs, will again organize a tell-all afternoon so we can learn from each other about places, food, accommodations and other travel tips around the country and the world. Call him (573-0228) to get on the program.

Coordinator: Al Giles