

HASP Curriculum Fall 2020

While we may be fortunate enough to develop a vaccine for COVID-19 in the next several months, there is no vaccine to cure an ailing planet. The HASP Curriculum Committee has designated Sustainability as the focus for the fall semester of 2020, much as previous years have focused on Mexico and Russia. Each of our four subcommittees - Fine Arts, Humanities, Science Medicine and Technology, and Social Sciences - have created courses around this theme, which are listed below for your reference. We hope that you will find them both engaging and challenging.

	<u>Page #</u>
Sustainability Courses	
Challenges Faced by Municipal Recycling Programs (SS)	22
Holland Responds to Our Climate Crisis (SS)	3
Biological Consequences of Climate Change (SMT)	10
A Case Study: Adding an Anaerobic Digestion Process to the Holland Area Water Reclamation Facility (SMT)	22
Electric Cars: An Update (SMT)	25
Powered by Sunlight: Costs and Benefits of Rooftop Solar (SMT)	17
Sustainability in Architecture (FA, SMT)	27
Sustainability at Herman Miller, Inc. (FA, SS)	11
Art as (Environmental) Activism (FA)	24
Human Nature and Community: Exploring William Golding's <i>Lord of the Flies</i> and Langdon Gilkey's <i>Shantung Compound</i> (HUM)	20
Social Sciences	
Healthy Aging from a Neuropsychological Perspective (SMT)	11
A Brief History of Immigration Law in the United States through the End of the Twentieth Century	29
A Woman's Place is Under the Dome	25
Sentinel on the Shore: The Big Sable Point Lighthouse	16
Henry Ford's Forgotten School System	19
The History of the Kalamazoo Harbor-Singapore Area	26
"I Object!" The Application of the Rules of Evidence and Due Process Procedures to Achieve Fair Trials	23
Judicial Temperament and Philosophy, Their Impact on US Supreme Court Jurisprudence	17
Challenges Faced by Municipal Recycling Programs (SUS)	22
Jews in Spain: Before and After 1492	26
2020 National Elections: Preview and Review	14
A US Supreme Court Update	4
The Long Reach and Cataclysm of World War I	9
Great Decisions	13
Holland Responds to Our Climate Crisis (SUS)	3
Michigan Department of Treasury: Tax Administration	23
Science, Medicine, and Technology	
How the Internet Works	28
Oxygen Regulation in Cells	18

Volcanoes, Submarines, and the Search for Extraterrestrial Life	29
Biological Consequences of Climate Change (SUS)	10
A Case Study: Adding an Anaerobic Digestion Process to the Holland Area Water Reclamation Facility (SUS)	22
The One-Hour Wine Expert	24
Developing New Tools for Mosquito Control in Africa	21
Geography of South Asia (SS)	6
Medical Mythologies: Wives' Tales and Pseudoscience	16
A Toolbox for Self-Help in Managing Chronic Pain	13
Why the Great Lakes are So Great: A Maritime History	7
The Ludington Car Ferries: A Lake Michigan Legacy	21
Electric Cars: An Update (SUS)_	25
Powered by Sunlight: Costs and Benefits of Rooftop Solar (SUS)	17

Humanities

Why Walt Whitman Matters	4
Writing Short Fiction: Workshop	6
Lincoln's Greatest Speech? The Cooper Union Address in Depth (SS)	3
Big Read: <i>In the Heart of the Sea</i> by Nathaniel Philbrick	18
Non-Fiction Books	12
Human Nature and Community: Exploring William Golding's <i>Lord of the Flies</i> and Langdon Gilkey's <i>Shantung Compound</i> (SS, SUS)	20
The Faust Legend in Literature	8
Cultivating Civility	15

Fine Arts

Breaking through the Brass Ceiling: Women in Jazz	7
History of the Wind Band	19
Sustainability in Architecture (SMT, SUS)	27
Painting and Power	11
Sustainability at Herman Miller, Inc. (SS, SUS)	11
Art as (Environmental) Activism (SUS)	24
A Peek into the Holland Museum (SS)	5
Insight into Computer Animation and Visual Effects (SMT)	28

KEY

Social Sciences	SS
Humanities	HUM
Science, Medicine and Technology	SMT
Fine Arts	FA
Sustainability Focus	SUS

HOLLAND RESPONDS TO OUR CLIMATE CRISIS

September 21: How did we get here?

The basic science of climate change increasingly demands our urgent response. Since 2008, Holland's residents, businesses, and government have wrestled with how to respond. In this session, our presenters will help us understand climate change science and learn from the successes and failures of the city's response.

September 28: How do we move ahead?

Since the US withdrew from the international Paris Agreement, local and state leaders have been stepping up to meet the challenges of the climate crisis. In this session, we will look at several examples of policies and practices being advanced and ask whether and how we might apply them in Holland.

Presenters: *Peter Boogaart has spent the last 12 years working in the field of residential energy efficiency. He was employed by Ottawa County and certified by both the State of Michigan in its Weatherization Assistance Program and nationally by the Building Performance Institute. In 2016, Boogaart was hired by the City of Holland to launch its Home Energy Retrofit Program. He is in the core leaders' group for the Holland Chapter of Citizens' Climate Lobby where he leads the lobby efforts for our member of Congress. He has been a local leader in the Caring for Creation movement since 2001. A graduate of Calvin University, he also has an MRE (Master of Religious Education) from Western Theological Seminary.*

HASP member Don Triezenberg is a scientist, teacher, and community volunteer. His career includes 20 years as an administrator at The American University in Washington, DC, and 16 years as a high school science and math teacher. Since retirement, he has served on several West Michigan boards and committees related to environmental issues. He participates in the Holland Climate Change Collaborative and works with Hope College developing air quality monitors for middle school and high school students. He is a graduate of Calvin University and earned his PhD in physics from the University of Maryland.

Date: Mondays, September 21, 28

Time: 1:00-2:30 p.m.

Cost: \$10.00

Coordinator: Mike Economos

LINCOLN'S GREATEST SPEECH? THE COOPER UNION ADDRESS IN DEPTH

Lincoln's most famous speeches are the Gettysburg Address, his second inaugural speech, and the "house-divided" speech. However, Jacques Barzun, among other critics, considers Lincoln's most powerful and effective speech to be the Cooper Union Address. Delivered to a huge crowd in New York City in 1860, this single speech probably won him the nomination for President. With clarity and passion, Lincoln united a disjointed party in a critical election year.

September 22: The context and the first half of the speech

September 29: The second half of the speech and the immediate response to the entire speech

Abraham Lincoln's Cooper Union Address can be copied from:
<http://www.abrahamlincolnonline.org/lincoln/speeches/cooper.htm>

*Presenter: HASP member **Linda Walvoord de Velder** earned a BA from Hope College and MA and PhD degrees from the University of Chicago.*

Date: Tuesdays, September 22, 29
Time: 9:30-11:00 a.m.
Cost: \$10.00
Coordinator: Steve O'Connor

A US SUPREME COURT UPDATE

This class will take a closer look at the results of the High Court's 2019-2020 term, one packed with important cases on the Electoral College, religious liberty, gun rights, Title VII protections for transgenderism and sexual orientations, the constitutionality of DACA, the meaning of the Establishment Clause of the 1st Amendment, and abortion.

September 22: David Ryden will provide a synopsis of the most important half-dozen cases from the term.

September 29: We will step back from the particular cases and consider what the 2019-2020 term means for the direction of the Court. How has it evolved with two new Republican appointees and with Roberts as the new swing vote? What is likely to lie ahead in light of a looming election with the presidency and control of the Senate hanging in the balance?

*Presenter: **David Ryden** has a BA from Concordia College, a law degree from the University of Minnesota, and a PhD from The Catholic University of America. He is in his 27th year as a member of the Hope College political science faculty. During that time, he has published numerous books and articles on such topics as the Supreme Court and the electoral process, religious liberty, faith-based sector/governmental partnerships, and other questions at the intersection of religion and politics.*

Date: Tuesdays, September 22, 29
Time: 1:00-2:30 p.m.
Cost: \$10.00
Coordinator: Brad Bright

WHY WALT WHITMAN MATTERS

Born May 31, 1819, Walt Whitman burst the boundaries of conventional poetic forms and subject matter. An individualist, he wrote an American epic titled *Song of Myself*. William

Pannapacker will examine the life and works of one of America's most famous and influential poets. He will explain why Whitman was important in his time and why he remains relevant.

September 23: The historical and biographical context of Whitman's early life and work, particularly *Song of Myself*

September 30: Whitman's subsequent work during the Civil War and the Gilded Age, and his enduring impact on American literature and culture

Most essential to the course is Whitman's *Song of Myself*, which is available online via The Walt Whitman Archive: <https://whitmanarchive.org/published/LG/1891/poems/27> or in various anthologies of Walt Whitman's works available at your favorite bookseller.

Presenter: William Pannapacker holds a PhD in the History of American Civilization from Harvard University. The DuMez Professor of English at Hope College, Pannapacker is the author of Revised Lives: Walt Whitman and Nineteenth-Century Authorship, as well as numerous articles on Whitman and American literature and culture.

Date: Wednesdays, September 23, 30
Time: 9:30-11:00 a.m.
Cost: \$10.00
Coordinator: Amy Henrickson

A PEEK INTO THE HOLLAND MUSEUM

Ricki Levine, executive director of the Holland Museum, will provide an update on the museum's mission and vision to serve the community before, during, and after the Covid-19 pandemic. The current priorities of the museum are relevant, particularly with the emphasis on celebrating the community's diversity and becoming an inclusive organization, ensuring everyone's story is shared.

Presenter: Since 2017, Ricki Levine has been the executive director of the Holland Historical Trust, which includes the Holland Museum, the Cappon House, and the Settlers House. She has over 15 years of experience in the nonprofit arts sector. Her leadership at the museum has allowed the organization to move forward in many ways, including the incorporation of the Smithsonian Institution's Spark!Lab, enhanced development efforts, expanded marketing, and an increased number of professional staff members. She has also led the effort to make the museum more relevant, accessible, and inclusive in the West Michigan community. She holds a BA from George Washington University.

Date: Wednesday, September 23 OR Wednesday, October 7
Time: 1:00-2:30 p.m.
Cost: \$5.00
Coordinator: Sharon Tabaka, Pat Groszko

GEOGRAPHY OF SOUTH ASIA

Jerry Van Wyngarden will describe the physiography and climate of India and Pakistan, including the physical features of the Deccan Plateau, the Himalayas, the Indus, Ganges, and Brahmaputra Rivers, the Western Ghats, and the cities of Kolkata, Mumbai, and Delhi. He will also address topics such as religion, Mother Teresa, Kashmir, and Sri Lanka.

September 24: Van Wyngarden will concentrate on India.

October 1: Van Wyngarden will concentrate on the countries of Pakistan, Nepal, Sri Lanka, Maldives, and Bangladesh.

*Presenter: HASP member **Jerry Van Wyngarden** has an MA in geography from the University of Minnesota, an MA in education from the University of Michigan, and an administrative specialist certificate from Michigan State University. He has been a K-12 teacher, a superintendent of Hamilton County Schools, and a part-time geography instructor at Hope College, Muskegon Community College, Davenport University, Calvin University, and Grand Valley State University.*

Date: Thursdays, September 24, October 1
Time: 9:30-11:00 a.m.
Cost: \$10.00
Coordinator: Teresa Ellis

WRITING SHORT FICTION: A WORKSHOP

The class will study some contemporary American stories as models for technique, but the main purpose is to plan, write, read, and discuss participants' stories. Students will draft a story and revise it in steps. We will study plotting, fitting characters to plot role, using significant detail, and thinking in scenes. The goal is to write a story between 2,000 and 3,000 words, in classic concepts of beginning, middle, and ending.

*Presenter: HASP member **Linda Walvoord de Velder** earned a BA from Hope College and MA and PhD degrees from the University of Chicago. Linda has published short stories and taught fiction writing at the college level.*

Date: Fridays, September 25, October 2, 9, 16, 23, 30
Time: 9:30-11:00 a.m.
Cost: \$25.00
Coordinator: Kathy Walton

WHY THE GREAT LAKES ARE SO GREAT: A MARITIME HISTORY

The Great Lakes have a long and rich maritime history. From the early fur trade to today's vibrant use as a commercial and recreational resource, the Great Lakes have continued to grow and prosper. Learn the history of their shipping, commercial fishing, and shipwrecks that make the Great Lakes so aptly named.

Presenter: Ashley Deming serves as the director of education and administration for the Michigan Maritime Museum in South Haven, Michigan, having previously been employed as an underwater archaeologist for the State of South Carolina and an education and outreach specialist at Thunder Bay National Marine Sanctuary in Alpena, Michigan. She obtained her BA in anthropology from Western Michigan University and her MA in maritime history and archaeology from the University of Bristol.

Date: Wednesday, September 30
Time: 1:00-2:30 p.m.
Cost: \$5.00
Coordinator: Richard Swanson

BREAKING THROUGH THE BRASS CEILING: WOMEN IN JAZZ

By the turn of the twentieth century, the foundations of spirituals and blues were blending with other musical elements to spawn the genre we call jazz. Notable mid-century jazz singers Billie Holiday, Ella Fitzgerald, and Sarah Vaughan had one thing in common: their voice was their instrument. In truth, many female singers paved the way for them; and just as many played instruments deemed “inappropriate” for women: brass, reeds, bass, and drums. As the century came to a close, more female vocalists began to accompany themselves: Diana Krall, for example, is a well-versed pianist, and Esperanza Spalding is a multi-talented bassist. In these sessions, we will explore the contributions of female instrumentalists who shaped this musical idiom in the twentieth century and whose legacy has almost been forgotten. Finally, we will recognize several members of the current generation of female jazz musicians who are “breaking through the brass ceiling.”

October 1: We will consider jazz performers from the early days through the 1950s, including singer Rosa Henderson, trumpeter Dolly Jones, and the International Sweethearts of Rhythm.

October 9: We will focus on the 1960s through the 1980s, paying particular attention to multi-instrumentalist Carla Bley and saxophonist Jane Ira Bloom.

October 15: We will explore the 1990s to the present, with contributions from trumpeter Ingrid Jensen and saxophonist Roxy Coss, among others.

Presenter: HASP member Louis Morel holds a BS in biochemistry from McGill University and an MS in food science from Michigan State University. He worked in the food industry for more than three decades. He has enjoyed jazz in its various forms since he became acquainted with the musical genre in his teens.

Date: Thursdays, October 1, 8, 15
Time: 1:00-2:30 p.m.
Cost: \$15.00
Coordinator: Doug Walvoord

THE FAUST LEGEND IN LITERATURE

The Faust legend stems from the restless desire of mankind to gain more knowledge and to experience more power than is naturally granted to human beings. To get what he wants, Faust sells his soul to the devil, Mephistopheles. The bargain comes with consequences.

The English Renaissance playwright Christopher Marlowe used this legend from German folklore in his drama, *The Tragical History of the Life and Death of Dr. Johann Faustus* (1589–92). The German Romantic writer and statesman Johann Wolfgang von Goethe based his *Faust* on a puppet show that he had seen as a child; after 60 years of visions and revisions, Goethe completed his tragic dramatic masterpiece in 1832.

Hope College professor Nancy Otis Chamness will help us understand the Faust legend's origins and expressions in these works by Marlowe and Goethe. She will also introduce some of the musical versions of Faust, a theme that has been used in opera, symphony, and ballet.

October 5: The Faust legend in Germany is rooted in Germanic folklore and gained widespread popularity through puppet plays.

October 12: Christopher Marlowe casts the Faust character struggling with the moral issues of good and evil in a Christian, Elizabethan world. Before class, read Christopher Marlowe's *The Tragical History of Doctor Faustus*.

October 19: In *Faust*, Part I, Goethe depicts Faust as an individual seeking knowledge and meaning, first through emotional involvement (love story with Gretchen) and then facing temptations that accompany his pact with the devil. Before class, read *Faust*, Part I.

October 26: In *Faust*, Part II, Goethe explores Faust's place in a secular world and why he makes various choices. Although the entire work is set in mythological and non-Christian terms, in the end Faust is taken into heaven through Gretchen's intercession on his behalf. Before class, read the selections from *Faust*, Part II in the text.

Texts for the class:

Christopher Marlowe, *The Tragical History of Doctor Faustus*. Editor John D. Harris (Wabasha, MN: Hungry Point Press, 2018) **ISBN-13:** 978-1723776366 (paperback). If purchased from Reader's World, allow ten days for special order with no discount.

Johann Wolfgang von Goethe, *Faust*. Part I and selections from Part II. Translation and introduction by Walter Kaufmann. (NY: Anchor Books, 1990) **ISBN-13:** 978-0385031141 (paperback). This edition contains parallel German and English text; however, no knowledge of German is required. This book is offered at a 20% discount at Reader's World.

Presenter: Assistant Professor of German Nancy Otis Chamness has taught German courses at Hope College for more than 20 years. She received a BA in English from Earlham College, and an MA in German and PhD in comparative literature, both from Indiana University.

Date: Mondays, October 5, 12, 19, 26
Time: 1:00-2:30 p.m.

Cost: \$20.00

Coordinator: Kathy Walton

THE LONG REACH AND CATACLYSM OF WORLD WAR I

Many of World War I's traumatic changes imposed upon humanity and human systems were not discernible until after the second global conflagration of WWII. This course exposes the sweeping, fundamental changes in governance, international relations, definitions of human-ness and inhumanity, and race relations and colonialism. This breakdown of the ancient order paved the way for a modern, recklessly aggressive world that gifted humanity with the power to end the species.

October 7: Their Eyes Were Open but Unseeing, 1871–1914

The generation that entered the dangerous waters of World War I was fully aware of the hazards that were associated with conflict. Even so, they failed to see the possibilities of the full-scale horrors that had been building in plain sight

October 14: Lessons That Should Have Been Unforgettable, 1914–1916

The descent into war in 1914, followed by the increasing horrors and brutalities of industrial modern warfare, did not take long to communicate that humanity had made a colossal error. The weapons of war combined with the depravity of human nature taught lessons of horror and misery that should have been unforgettable, but weren't.

October 21: Catastrophes within Catastrophes, 1916–1918

Unrestricted submarine warfare, the genocide of non-combatants, and the mobilized ferocity of modern nations changed societies in every way imaginable. Changing women's roles, the energized demands of domestic and international minorities for justice, and the strengthening and weakening of, respectively, new and old empires set the stage for a world that would never be the same.

October 28: When the Bill Came Due, 1918–1924

The Versailles Conference of 1918/1919 was supposed to bring peace and restore order to the global community. Neither was accomplished because participants with conflicting agendas agreed upon a settlement that, essentially, repackaged old grievances in new tensions that festered into a new era of war.

Presenter: Fred L. Johnson is an associate professor of history at Hope College. Prior to his career in higher education, he served in the United States Marine Corps as a communications-electronics officer and as an infantry officer in the Marine Reserves. A graduate of Bowie State University, he earned MA and PhD degrees at Kent State University. His primary field of study is 19th-century US history, especially the Civil War. His other areas of expertise are 20th-century US, US military, and African history.

Date: Wednesdays, October 7, 14, 21, 28
Time: 9:30-11:00 a.m.
Cost: \$20.00
Coordinator: Kit Leggett

BIOLOGICAL CONSEQUENCES OF CLIMATE CHANGE

Climate change is reasonably well understood by the scientific community, in that its mechanisms follow naturally from the structure of the solar system and the physical properties of gases like carbon dioxide, methane, and water vapor. Although public acceptance of the scientific consensus about climate change has lagged, perhaps because of the political and economic implications of addressing it, the biological consequences of climate change started to manifest themselves by the late 1980s. It is through these consequences, that climate change will have the most profound effects on the human economy and the ecosystems that sustain it; however, the public is largely unaware of what scientists already know and predict for the future.

October 8: This class will explore some of the consequences already witnessed and some that are predicted under the different future greenhouse-gas-emission scenarios considered by climate scientists.

October 15: This class will look at where we might expect the most profound effects, what kinds of organisms and ecosystems will be affected, and what implications these effects will have for people.

Presenter: K. Greg Murray is a professor of plant science in the biology department at Hope College. He earned his BA and MS degrees in biology at California State University, and received his PhD in zoology from the University of Florida.

Date: Thursdays, October 8, 15
Time: 9:30-11:00 a.m.
Cost: \$10.00
Coordinator: Kim Buckley

PAINTING AND POWER

Katherine Sullivan will discuss the creation of her ongoing series of paintings, inspired by the wily, morally ambiguous characters in Bertolt Brecht's plays *The Life of Galileo* and *Mother Courage*. The paintings incorporate both abstract and representational imagery. They explore shifting hierarchical relationships, drawing from scenes in Brecht's plays and from historical paintings to provide insights on status and power.

Presenter: Katherine Sullivan is a professor of art at Hope College and has served on the faculty since 2003. Her areas of study include painting, drawing, and color theory. She spent the 2013-14 school year studying religious art in India through an award from the Fulbright US Scholar Program and has also studied in South Africa, Italy, and Mexico. She received her BFA from the University of Michigan and her MFA from Boston University.

Date: Monday, October 12
Time: 9:30-11:00 a.m.
Cost: \$5.00
Coordinator: Bill Reynolds

HEALTHY AGING FROM A NEUROPSYCHOLOGICAL PERSPECTIVE

As people live longer, it is important to understand the normal and abnormal aging processes. Today we have the ability to identify the brain's role in aging. This course will examine normal aging, normal and abnormal cognition, and healthy habits for a healthy brain.

Presenter: Shannon Connell has a private practice, Neuropsychological Associates of West Michigan, in Holland, Michigan. She has a BA in dance and education from Hunter College, an MA in counseling psychology from Western Michigan University, an MA in clinical psychology and a PhD in clinical psychology with a neuropsychology concentration from Fielding Graduate University. She has conducted a trial study for the Alzheimer's Association, examining "The Effect of Focused Attention and Open Monitoring Meditation on Resilience and Psychological Well-Being in Caregivers of Persons with Dementia."

Date: Tuesday, October 13
Time: 9:30-11:00 a.m.
Cost: \$5.00
Coordinator: Pat Denner

SUSTAINABILITY AT HERMAN MILLER, INC.

Gabe Wing, experienced in corporate environmental health and safety, will discuss the role of sustainability at Herman Miller, Inc., an international manufacturer of office and home furniture known for its longstanding commitment to environmental stewardship. He will explore what

sustainability means at the company; how it applies to people, place, and product design; and how the company's environmental policies have evolved over the years.

Presenter: Gabe Wing has worked at Herman Miller as the director of safety and sustainability for over 19 years. President of the West Michigan Sustainable Business Forum from 2013 to 2015, he also is a member of Michigan's Green Chemistry Roundtable, a group charged with the promotion of green chemistry for sustainable economic development and protection of public health. He holds a BS from the University of Michigan and an MS from Michigan State University, both in chemical engineering.

Date: Monday, October 19
Time: 9:30-11:00 a.m.
Cost: \$5.00
Coordinator: Nancy Lausch

NON-FICTION BOOKS

Participants discuss and debate topics based on non-fiction books chosen each term by the members of the group. History, biography, and sociology remain popular themes. Each book discussion is led by a volunteer from the group. Register for each session that you want to attend.

October 20: *The Great Influenza, The Story of the Deadliest Pandemic in History*, by John M. Barry

At the height of WWI, history's most lethal influenza virus erupted in an army camp in Kansas, moved east with American troops, then exploded, killing as many as 100 million people worldwide. It killed more people in twenty-four months than AIDS killed in twenty-four years, more in a year than the Black Death killed in a century. But this was not the Middle Ages, and 1918 marked the first collision of science and epidemic disease. Magisterial in its breadth of perspective and depth of research, and now revised to reflect the growing danger of the avian flu, *The Great Influenza* is ultimately a tale of triumph amid tragedy, which provides us with a precise and sobering model.

Discussion Leader: Sue Bohlander

November 17: *Black Wave: Saudi Arabia, Iran, and the Forty-Year Rivalry That Unraveled Culture, Religion, and Collective Memory in the Middle East*, by Kim Ghattas

Too many of us in the West wrongly attribute the rivalry between Iran and Saudi Arabia to age-old differences between Shiites and Sunnis. Ghattas explains that Saudi Arabia and Iran transformed latent religious divisions into weapons of political power. Illustrative of this rivalry that today convulses the Middle East is the publication in 1988 of Salman Rushdie's novel *The Satanic Verses*, which provoked first protests, and later death threats. Subsequently, the leaders of both countries attempted to outdo each other by imposing increasingly repressive measures.

Discussion Leader: Tom Redick

December 15: When Time Stopped: A Memoir of My Father's War and What Remains, by Ariana Neumann

The child of a wealthy Venezuelan industrialist, Neumann at age eight discovered a hidden box in her father's study which contained an identity card with a Nazi stamp and an unfamiliar name. As a young adult on a visit to Prague with her parents, she witnessed her father's name on a list of those killed in the war. The author discovers why her father, obsessed by time, owned 297 pocket watches. Her account of solving many mysteries and discovering how her Jewish-Czech family schemed to outwit the enemy makes for fascinating reading.

Discussion Leader: Norma Killilea

Books are offered at a 20% discount at Reader's World, or they can be purchased at your favorite book-seller.

Date: Tuesdays, October 20, November 17, December 15
Time: 9:30-11:00 a.m.
Cost: \$5.00 per session
Coordinator: Diana Nelson

A TOOLBOX FOR SELF-HELP IN MANAGING CHRONIC PAIN

Despite being quite different from acute pain, chronic pain is often treated similarly to it, generally with poor results. By learning the concepts of chronic pain and becoming familiar with a toolbox of ideas and methods for dealing with it, you may be able to treat your chronic pain more successfully.

Presenter: James Stark, a physical therapist with 26 years of experience, is a graduate of Grand Valley State University with an MS in physical therapy. He is the founding chairman of the Michigan Physical Therapy Association's pain special interest group, and a frequent presenter of courses to physical and occupational therapists.

Date: Tuesday, October 20
Time: 1:00-2:30 p.m.
Cost: \$5.00
Coordinator: Richard Swanson

GREAT DECISIONS

Wednesday, October 21, 1:00-2:30 p.m.: US Relations with the Northern Triangle: Great Decisions examines the Western Hemisphere's migration crisis and the fractured societies at the heart of it: Guatemala, Honduras, and El Salvador.

Speaker: Rodrigo Serrao, Assistant Professor of Sociology/Social Work, Hope College

Thursday, October 29, 1:00-2:30 p.m.: Red Sea Rivalries: More than one-tenth of the global trade passes through a strait just 20 miles wide at the southern entrance to the Red Sea. Great Decisions examines a region where the world's greatest powers can cooperate to create stability – or allow deepening rivalries to explode into conflict.

Speaker: Janis Gibbs, Associate Professor of History, Hope College

Monday, November 2, 1:00-2:30 p.m.: Artificial Intelligence and Data: AI is transforming economies and societies around the world. Great Decisions assesses the possibilities and dangers of this technology, explores the mounting technological competition between China and the US, and asks how the international community can manage the coming wave of digital innovation.

Speaker: Brad Bright, HASP member

Wednesday, November 4, 9:30-11:00 a.m.: Modern Slavery and Human Trafficking: Millions of human trafficking victims are hidden in plain sight. Traffickers coerce their victims into forced labor and prostitution. Great Decisions shares the untold stories of trafficking survivors.

Speaker: Shanna Corner, Associate Professor of Sociology, Hope College

Wednesday, November 11, 9:30-11:00 a.m.: The Philippines and the US: Voters in the Philippines, fed up with a stagnant political system, opted for an unconventional candidate. Great Decisions examines President Rodrigo Duterte's bloody crackdown on drug crime and investigates how he has upended politics as usual through Southeast Asia.

Speaker: Fred Johnson, Associate Professor of History, Hope College

Wednesday, November 18, 9:30-11:00 a.m.: China's Road into Latin America: Until recently, China had little interest in Latin America. Now, its investment is transforming the region. Great Decisions investigates this new alignment and the prospect of direct competition with the United States.

Speaker: Fred Johnson, Associate Professor of History, Hope College

Subjects pending date and time announcement (watch your email for updates):

Climate Change and the Global Order

India and Pakistan

Date: Varied, see above

Time: Varied, see above

Cost: \$5.00 per session

Coordinator: TBD

2020 NATIONAL ELECTIONS: PREVIEW AND REVIEW

The 2020 national election (Presidency and Congress) is sure to be like no other. What will voting look like? Has the Trump phenomenon run its course? Can Joe Biden control a Democratic party moving dramatically to the left? What will determine partisan control of the US Senate? And how will the pandemic and racial unrest, among other things, impact this election cycle?

October 22: David Ryden will focus on what to watch for in the election, especially the major issues and key political strategies.

December 3: Ryden will probe for deeper meaning in the election results, and what they imply for the future of American democracy's politics and parties at the national level.

Presenter: David Ryden has a BA from Concordia College, a law degree from the University of Minnesota, and a PhD from The Catholic University of America. He is in his 27th year as a member of the Hope College political science faculty. During that time, he has published numerous books and articles on such topics as the Supreme Court and the electoral process, religious liberty, faith-based sector/governmental partnerships, and other questions at the intersection of religion and politics.

Date: Thursday, October 22 and Thursday, December 3
Time: 1:00-2:30 p.m.
Cost: \$10.00
Coordinator: Brad Bright

CULTIVATING CIVILITY

Combining virtues upheld by the Greek philosophers Plato and Aristotle, Jewish Wisdom writers, and Christians, Deirdre Johnston will help us explore how various character-building virtues can guide us in productive interactions with others with whom we disagree.

October 26: Courage to Speak, Humility to Listen

November 2: Loving Ourselves in Order to Love Others

November 9: Temperance in Conflict, Fortitude in Justice

November 16: Wisdom to Question, Faith in Uncertainty

November 23: Hope to Reconcile, Liberality to Act

Presenter: Deirdre Johnston, currently Hope College's senior director of global education, has been a faculty member at Hope since 1994. She led the development of the college's Peace and Justice Studies minor and chaired the Department of Communication from 2003 to 2010. Co-author of Wiley Handbook for Online Collaborative Learning and Global Engagement, she is also co-founder of Intergroup Dialogue Connections, LLC. She received a BA in journalism from Drake University, an MA in journalism and advertising from the University of Texas, and a PhD in communication studies from the University of Iowa.

Date: Mondays, October 26, November 2, 9, 16, 23
Time: 9:30-11:00 a.m.
Cost: \$25.00
Coordinator: Judy Parr

MEDICAL MYTHOLOGIES: WIVES' TALES AND PSEUDOSCIENCE

Many of the commonly accepted “facts” regarding health and wellness are actually based on misunderstandings or falsehoods. This course will address various misconceptions that may impede our efforts to remain healthy and vibrant. It will describe how these misunderstandings came to be, and provide the current scientific framework pertaining to the underlying issues in a lighthearted and engaging way.

*Presenters: HASP member **Richard Swanson** spent 35 years as a medical educator and clinician in the fields of internal medicine and rheumatology. He holds an MD from Creighton University and did his residency at the National Medical Center in Portsmouth, Virginia. He spent many years on the faculties of Indiana University, the University of Illinois, Michigan State University, and the Western Michigan School of Medicine.*

*HASP member **John Kobs** is a board-certified periodontist. He received his DDS from the University of Iowa and his specialty education from the University of North Carolina. He was in private practice in Holland from 1977 to 2017. During his career, he served as the president of the Midwest Society of Periodontology and also as president of the American Academy of Periodontology Foundation.*

Date: Tuesday, October 27
Time: 9:30-11:00 a.m.
Cost: \$5.00
Coordinator: Richard Swanson

SENTINEL ON THE SHORE: THE BIG SABLE POINT LIGHTHOUSE

Standing on land formerly known by the French explorers as Grande Point Au Sable, north of Ludington, the Big Sable Point Lighthouse has been a beacon since 1867 for mariners sailing as far as 19 miles out on Lake Michigan. This session will explore the history, preservation, and caretakers of this extraordinary 112-foot lighthouse.

*Presenter: **Peter Manting** has been the executive director of the Sable Points Lighthouse Keepers Association since September, 2013. A graduate of Hope College and resident of Ludington, he gained a love of Michigan maritime history from his grandfather who grew up a block from the shipping docks in Grand Haven. Stories of growing up with the sailors' families and playing on the decks of the car ferries fascinated Manning as a youngster. His love of local history also led him to serve on the Tri-Cities Museum Board of Directors for 10 years.*

Date: Tuesday, October 27
Time: 1:00-2:30 p.m.
Cost: \$5.00
Coordinator: Brad Bright

POWERED BY SUNLIGHT: COSTS AND BENEFITS OF ROOFTOP SOLAR

Three local residents will share their experiences with installation and operation of rooftop solar panels on their homes. They will compare solar to other renewable energy strategies and present the climatic, geopolitical, and economic (payback period) benefits of residential solar, along with the impacts on Board of Public Works and Consumers Energy. They will outline the logistics and sequential steps of a residential installation.

*Presenters: HASP member **Gary Morris** has a BA in economics, an MSE in artificial intelligence, and a PhD in machine learning. He coordinated and presented a course on the US electrical grid in fall, 2018.*

Jeff Raywood has a BA in political science from Purdue University and a secondary teaching certificate from Hope College. He is an active proponent of renewable energy and has written frequently for the Holland Sentinel.

Andy Bass is a graduate of Calvin University with a degree in computer science. He has been a technology entrepreneur in West Michigan for 30 years, having founded multiple companies in the ISP, e-commerce, and supply chain spaces. Currently he is the CEO of NetNerd Ventures, a startup and technology consulting business based in Holland.

Date: Wednesday, October 28
Time: 1:00-2:30 p.m.
Cost: \$5.00
Coordinator: TBD

JUDICIAL TEMPERAMENT AND PHILOSOPHY AND THEIR IMPACT ON US SUPREME COURT JURISPRUDENCE

Bradley S. Knoll will provide a brief survey of landmark Supreme Court decisions and discuss the role of personality in achieving consensus. His presentation will consider how the justice's role as an ideologue or consensus-builder impacted the court's decisions in several cases.

Presenter: Bradley Knoll earned a BA in political science from the University of Michigan and a JD from Michigan State University (Detroit College of Law). A member of the Michigan State Bar Association since 1978, he is currently chief judge of the 58th District Court, Holland, Michigan. He has been an adjunct professor at Grand Rapids Community College, an instructor at Michigan Judicial Institute, and a presenter at HASP and Michigan District Judges Association events.

Date: Thursday, October 29
Time: 9:30-11:00 a.m.
Cost: \$5.00
Coordinator: Lyne Burkey

BIG READ: *IN THE HEART OF THE SEA* BY NATHANIEL PHILBRICK

In the Heart of the Sea is a story of the 1820 shipwreck of the whaleship *Essex* that inspired Herman Melville to write *Moby Dick* thirty years later. While sailing in the far western area of the Pacific Ocean, the Nantucket-based *Essex* was sunk by a whale. Russell Dykstra will give not only a sailor's take, but also a doctor's insight on what happened to the men in three small boats before they were rescued after 92 days. Philbrick's book examines the 19th-century culture of Nantucket Island, especially the culture of whalers, and the culture of whales. The main story is about how the survivors looked out for each other in exceptionally dire circumstances.

Presenter: HASP member Russell Dykstra, MD, served in the US Navy for six years, learning and then teaching nuclear propulsion engineering. After witnessing a missile launch at sea in April, 1977, he had a mystical experience that led to a vision of becoming a doctor. He graduated from Hope in 1983, with a year at MSU's College of Human Medicine already completed. He served as a family physician in Holland for 24 years.

Date: Wednesday, November 4

Time: 1:00-2:30 p.m.

Cost: \$5.00

Coordinator: Judy Parr

OXYGEN REGULATION IN CELLS

Every second of every day, every cell in our body requires oxygen to sustain metabolism to support human life. But as a free radical, oxygen is also dangerous to these very cells. How do cells maintain the balance between these conflicting aspects? In 2019, a Nobel Prize was awarded to a team of three scientists for their research into how cells detect oxygen and react to its varying levels. Not only did their research contribute to fundamental science, but it also was critical for developing new drugs for diverse conditions such as cancer and anemia.

Presenter: Kristin Dittner-Reed earned a BS in chemistry from Hope and a PhD in biochemistry from the University of Wisconsin, with postdoctoral work at the Van Andel Research Institute's Center for Cancer and Cell Biology. She has taught at Hope since 2016. Her research focus is the biochemistry of the mitochondria, where many metabolic processes are centered and cellular respiration takes place.

Date: Thursday, November 5

Time: 9:30-11:00 a.m.

Cost: \$5.00

Coordinator: Bruce Bassett

HENRY FORD'S FORGOTTEN SCHOOL SYSTEM

If you Google “Henry Ford Schools,” all that appear are the school buildings named after him. However, between 1928 and his death in 1947, Ford operated a privately-funded collection of about 20 primary/secondary schools. Many were “one-room” type. Most were in or near Greenfield Village, but he also had schools in the Upper Peninsula, Massachusetts, and Georgia. His schools covered grades pre-kindergarten through high school. Tuition was free—apparently the first parents to sign up got the limited seats. Schools ran all day and included bussing and a free lunch. Ford provided unusual playground equipment. All students, even five-year-olds, worked. The schools were small scale for Henry Ford; somewhere between a rich man’s hobby and a social experiment.

Presenter: Dick Haight attended Ford’s Greenlane Academy near Tecumseh, Michigan. He earned a BA in English from Michigan State University. He worked at ATT Bell Labs on the UNIX operating systems and in the fields of computer graphics and interactive systems, and at Clemson University.

Date: Thursday, November 5
Time: 1:00-2:30 p.m.
Cost: \$5.00
Coordinator: Mike Economos

HISTORY OF THE WIND BAND

Wind instruments have given us some of the most stirring moments in Western music. Beginning with the origins of music for wind instruments (specifically without strings or voice) in the Renaissance period, we will trace the evolution of the performing groups leading to what we currently think of as the concert band, wind ensemble, wind symphony, and more. As we do so, we’ll listen to selections from groundbreaking works for band through the centuries. Among the important time periods and composers that will be discussed are the following:

November 6: Renaissance/Baroque: Giovanni Gabrieli, Johann Sebastian Bach

November 13: Classical/Romantic: Wolfgang Amadeus Mozart, Antonín Dvořák

November 20: Modern: John Philip Sousa, Gustav Holst, Ralph Vaughan Williams

Presenter: Robert “Gabe” Southard is an associate professor of music at Hope College, where he conducts the Wind Ensemble, Concert Band, and the Faculty and Student Collaborative Ensemble (FASCE); teaches flute; and directs the instrumental division of the music education program. Earlier in his career, he served as a faculty member and as Wind Symphony conductor at the University of Michigan-Flint. Southard plays principal flute in the Holland Symphony Orchestra and regularly performs as a recitalist and in chamber ensembles. He earned a BM from Ithaca College, an MM from the University of Wisconsin, and a DMA from Michigan State University.

Date: Fridays, November 6, 13, 20
Time: 9:30-11:00 a.m.
Cost: \$15.00
Coordinator: Bill Reynolds

HUMAN NATURE AND COMMUNITY: EXPLORING WILLIAM GOLDING'S *LORD OF THE FLIES* AND LANGDON GILKEY'S *SHANTUNG COMPOUND*

Imagine yourself as one of 30 English schoolboys stranded on an isolated island. Imagine yourself a young man rounded up with about 2000 other non-Chinese in an internment center in China. Could you survive? Would you deny yourself some benefits so that the group could thrive? Could you and your comrades build a sustainable community, or would you turn on each other?

Novelist William Golding explored these questions in his *Lord of the Flies*, written in 1954. Theologian Langdon Gilkey described real life efforts to build community in his *Shantung Compound*, a memoir written in 1966. We'll discuss these books, focusing on what they suggest about human nature and what it takes to build community.

The following assignments are to be read prior to each class session:

November 9: *Lord of the Flies*

November 16: *Shantung Compound* chapters 1 through 7

November 23: *Shantung Compound* chapters 8 through 14

Reader's World offers *Lord of the Flies* at a 20% discount and will order and sell *Shantung Compound* at retail price. The books can, however, be purchased at your favorite book-seller, or they can be obtained from your local library.

This is a repeat of a course offered in summer 2007.

Presenter: HASP member Judy Parr earned a BA in English from Hope College and MA and PhD degrees in English literature from Ohio State University. She is interested in the intersection of religion, literature, and intellectual history.

Date: Mondays, November 9, 16, 23
Time: 1:00-2:30 p.m.
Cost: \$15.00
Coordinator: Phil Harrington

THE LUDINGTON CAR FERRIES: A LAKE MICHIGAN LEGACY

In 1879, an entirely new type of vessel entered service in Ludington, Michigan: a steel-hulled boat capable of carrying up to 30 loaded train cars across the open waters of Lake Michigan, to be unloaded and continue on their journey by rail on the other side. The vessel was the *Pere Marquette* and it began one of the most significant and unique maritime industries on the Great Lakes. The Ludington car ferries ran continuously from 1897 until the 1980s with a total of 13 ferries being involved. The *S.S. Badger* is the last of these vessels and continues to operate today as a passenger and vehicle ferry between Ludington and Manitowoc, Wisconsin. This class explores the history, significance, and legacy of the Ludington car ferries.

Presenter: Holland native Eric Harmsen is the site manager of the Port of Ludington Maritime Museum. He has a BA in archeology from the University of Wisconsin and has worked on multiple shipwreck projects in West Michigan with the Michigan Shipwreck Research Association. He is also a crew member on the tall ship Friends Good Will in South Haven.

Date: Tuesday, November 10
Time: 9:30-11:00 a.m.
Cost: \$5.00
Coordinator: Richard Swanson

DEVELOPING NEW TOOLS FOR MOSQUITO CONTROL IN AFRICA

Malaria is a disease that has been eliminated in the developed world. However, the World Health Organization estimates that it causes the death of 435,000 people each year, largely in Africa; every two minutes a child dies from this preventable and curable disease. Progress in reducing malaria on the African continent appears to be stagnating, and new tools to completely eliminate the disease are needed. Among these tools are genetic engineering technologies designed to reduce the population of malaria-carrying mosquitoes or their ability to transmit the parasite.

Presenter: Hector Quemada received his BA and MA in biology from the University of Kansas and his PhD in cell and molecular biology from the University of Utah. He is a principal research associate at Western Michigan University, working with the Foundation for the National Institutes of Health on a project aimed at strengthening capacity of officials in Africa to regulate gene-driven technologies.

Date: Thursday, November 12
Time: 9:30-11:00 a.m.
Cost: \$5.00
Coordinator: Bill Wells

A CASE STUDY OF ADDING AN ANAEROBIC DIGESTION PROCESS TO THE HOLLAND AREA WATER RECLAMATION FACILITY

The Holland City Council recently approved money to add an anaerobic digester process to the treatment of sewage at the Holland Area Water Reclamation Facility (WRF). Theo VanAken will discuss the current treatment process of the facility and why the digestion process is needed. He will cover what alternative solutions were investigated, why the anaerobic digester process was selected, and what science and engineering criteria went into the decision. The course will provide a summary of benefits that the WRF will realize with the addition of the digester process, including possible future developments for the plant.

Presenter: Theo VanAken is the superintendent of the Holland Area Water Reclamation Facility. He has been with the Board of Public Works for eight years. For the first six years, he was a planning engineer responsible for engineering activities and project management for capital projects in various utilities under the BPW management systems, including agricultural and industrial operations. VanAken has a BS in biosystems and agricultural engineering from Michigan State University and is licensed as a professional engineer by the State of Michigan.

Date: Thursday, November 12
Time: 1:00-2:30 p.m.
Cost: \$5.00
Coordinator: Kay Smalley

CHALLENGES FACED BY MUNICIPAL RECYCLING PROGRAMS

Municipal recycling programs are facing the undeniable fact that they can no longer rely on China to receive and recycle their waste products. Instead, Holland and other localities are investigating ways to recycle their own waste products in ways that are sustainable and cost-effective. We will learn what materials management is, how contamination is managed, and what aspirational recycling means. The future of recycling will depend on investment and development of recycling markets, and may require assistance from the state.

Presenter: Aaron Thelenwood has served as the solid waste/recycling and sustainability coordinator for the City of Holland since 2016. Previously he was the assistant manager for the West Michigan Regional Airport Authority. He received his BA and MPA (Master of Public Administration) degrees from Grand Valley State University.

Date: Tuesday, November 17
Time: 1:00-2:30 p.m.
Cost: \$5.00
Coordinator: Lee Pavach

MICHIGAN DEPARTMENT OF TREASURY: TAX ADMINISTRATION

You drop your tax return in the mail, and what happens next? This session will talk about the path tax returns take through the tax administration process. Topics to be covered include: how Treasury receives the returns, how it processes and validates the returns, how it deals with errors and issues, how the process differs for different tax types, how to resolve tax issues, what happens when taxes are not paid, what the tax compliance process involves, how to allay some fears regarding audits, what happens when taxpayers disagree with tax liabilities, and what measures Treasury is taking to deliver the best possible customer service.

Presenter: Clay Cornelius has been with the Michigan Department of Treasury for over 15 years. He has a BS in accounting from Lake Superior State University. He is a state administrative manager overseeing quality assurance, tax technical, and outreach within the tax administration. While at Treasury, he has worked in the office of collections, in tax compliance as an auditor and manager, in the executive office, and in his current role, has been instrumental in developing Treasury's outreach program.

Date: Wednesday, November 18
Time: 1:00-2:30 p.m.
Cost: \$5.00
Coordinator: Mike Economos

“I OBJECT!” THE APPLICATION OF THE RULES OF EVIDENCE AND DUE PROCESS PROCEDURES TO ACHIEVE FAIR TRIALS

The presentation will explore basic courtroom trial procedures with a focus on the rules of evidence. Bradley Knoll will present examples and scenarios that address issues relating to foundation, relevance, privilege, hearsay, and other evidentiary objections. The rules relating to the use of expert witnesses and Constitutional restraints on the introduction of evidence will also be covered.

Presenter: Bradley Knoll earned a BA in political science from the University of Michigan and a JD from Michigan State University (Detroit College of Law). A member of the Michigan State Bar Association since 1978, he is currently chief judge of the 58th District Court, Holland, Michigan. He has been an adjunct professor at Grand Rapids Community College, an instructor at Michigan Judicial Institute, and a past presenter at HASP and Michigan District Judges Association events.

Date: Thursday, November 19
Time: 9:30-11:00 a.m.
Cost: \$5.00
Coordinator: Lyne Burkey

THE ONE-HOUR WINE EXPERT

In one hour, gain a basic understanding of how wine is made, how it is identified, and what determines quality. Participants will be invited to join in a remote, in-home tasting as part of the class, using 2-4 wines known to be locally available for reasonable prices (about \$8-\$16 per bottle). Detailed information on the specified wines and where they may be purchased will be emailed to participants 1-2 weeks before the class is scheduled.

Presenter: Brian Cain, known as the Michigan Vintner, has studied wines in California, Michigan, the Pacific Northwest, Germany, France, Italy, and Spain. Brian is a Society of Wine Educators certified wine educator and certified specialist of wine. He holds certificates from the German Wine Academy, the French Committee Interprofessionnel de Bourgogne Wine and Foods, the Italian Wine Bureau, and the American Wine Society. He serves as a wine judge for a variety of competitions. In retirement, he makes artisanal red wines at Tanglewood Winery in Holland, Michigan. Brian earned a BA in journalism from the University of Michigan.

Date: Thursday, November 19
Time: 1:00-2:30 p.m.
Cost: \$5.00
Coordinator: Teresa Ellis

ART AS (ENVIRONMENTAL) ACTIVISM

Through live drawing and PowerPoint photographs, Joel Schoon-Tanis will talk about the idea of art as communication, and how that communication can specifically be used to advocate for important causes. Joel will share past and current work that strives to raise awareness about the state of the environment and the factors threatening our natural world.

Presenter: For nearly 30 years, Joel Schoon-Tanis has been a working artist in Holland, Michigan. He has written and illustrated a handful of books, including 40: The Biblical Story, At Psalm School, and At God's Table. He is also a prolific painter and has created murals around the world at locations including Kenya, Zambia, and the Separation Wall in Palestine. His work is in churches, children's hospitals, schools, restaurants, businesses, and many private collections. He has a BA from Hope College.

Date: Tuesday, November 24
Time: 9:30-11:00 a.m.
Cost: \$5.00
Coordinator: Lynne Williams

ELECTRIC CARS: AN UPDATE

In the spring of 2018, a review of electric cars reported mostly on super cars and luxury vehicles. In the fall of 2019, there were dozens of electrified cars expected for the 2020 model year, but no trucks. For the 2021 model year, the offerings will be predominantly battery EVs, with a few plug-in models or pure hybrids. Trucks and SUVs will be significant newcomers to the market.

This course will survey and categorize all the battery electric vehicles—plus a few plug-in hybrid and hybrid vehicles—available for purchase in the 2021 model year. Brief owner reports will be provided for current models. Morris will offer specifications and underlying technologies and will report on the large and growing networks of public charging stations, how to find them, and how to pay for their services.

*Presenter: HASP member **Gary Morris** coordinated and presented Electrification of Transportation: History in spring, 2018, and EV Update in fall, 2019. He has a BA in economics, an MSE in artificial intelligence, and a PhD in machine learning.*

Date: Monday, November 30
Time: 9:30-11:00 a.m.
Cost: \$5.00
Coordinator: TBD

A WOMAN'S PLACE IS UNDER THE DOME

November 30: Capitol Women—Early Female Clerks, Librarians, Janitresses, and Legislators

One hundred and fifty-one years ago, Harriet Tenney made history when she was appointed Michigan's first female state officer (the equivalent of a department director) in 1869. Soon there were dozens of women working in the Capitol as librarians, clerks, janitresses, and, starting in the 1920s, legislators. Participants will “meet” several of these smart, ambitious, and groundbreaking women and learn how their legacies still enrich the state today.

December 7: Suffrage at the Seat of State Government

In 1846, Ernestine Rose launched the battle for women's rights in Michigan when she addressed the Legislature at the first Michigan State Capitol. In the decades that followed, hundreds of women journeyed to the Capitol to campaign for equal access to higher education, fair property and guardianship laws, and most importantly, the right to vote. Witness the battles they fought in the Capitol using petitions, conferences, and ballot initiatives before finally achieving victory in 1918.

*Presenter: **Valerie R. Marvin** serves as the historian and curator at the Michigan State Capitol, a National Historic Landmark. In this capacity, she oversees the Capitol's historical collections and conducts extensive research on Capitol and Legislative history, sharing her findings through publications, lectures, and social media. She has a BA in Russian and Eastern European Studies from the University of Michigan and an MS in historic preservation from Eastern Michigan University.*

Date: Mondays, November 30, December 7
Time: 1:00-2:30 p.m.
Cost: \$10.00
Coordinator: Mike Economos

THE JEWS IN SPAIN: BEFORE AND AFTER 1492

Until the fourteenth century, Christians, Muslims, and Jews were relatively peacefully integrated within various kingdoms of what is now Spain. As the Christian culture began to dominate the other religions, persecutions caused the need to assimilate. This era led to the atrocities of the Inquisition in Spain. In 1492, a royal edict created by Queen Isabella and King Ferdinand, “Los Reyes Catholicos”, mandated all Jews be forced out of Spain. Even though the nation became a world power for a short time, the effects of these expulsions caused negative impacts on the Spanish Empire’s economic and social life in the long run.

December 1: We will focus on Jews in Spain before 1492 and address their mass expulsions ordered by the Spanish monarchy.

December 8: We will examine the long-term effects of homogeneity and “othering” as they played out in pre-1800 Spanish society and how the results of these mores may have surfaced centuries later.

Presenter: Tatevik “Tato” Gyulamiryan is an assistant professor of Spanish in Hope’s Department of World Languages and Cultures. She joined the faculty in 2015, teaching Spanish language and literature. As an undergraduate in Armenia, she received a US State Department fellowship to study international relations at Berea College. Her BA in English and Spanish philology is from Yerevan State Linguistic University in Armenia; her MA and PhD degrees, both in Spanish, are from Purdue University. Her research encompasses various areas of the literature of Spain’s Golden Age and comparative studies.

Date: Tuesdays, December 1, 8
Time: 1:00-2:30 p.m.
Cost: \$10.00
Coordinator: Kit Leggett

THE HISTORY OF THE KALAMAZOO HARBOR-SINGAPORE AREA

Jack Sheridan will chronicle the history of the Kalamazoo Harbor-Singapore area from 1830 to the present. He will include the activity now underway for Saugatuck’s North Shore development.

Presenter: Jack Sheridan has over 20 years of experience researching, preserving, presenting, and writing the history of the Saugatuck-Douglas area. He is an archivist of historical photos for the Saugatuck-Douglas History Center and has created and presented many lectures on various

historical topics. His grandfather, who was a lighthouse keeper at the Kalamazoo Harbor, sparked his interest. Sheridan is a graduate of Michigan State University with a BS in business administration.

Date: Wednesday, December 2
Time: 1:00-2:30 p.m.
Cost: \$5.00
Coordinator: Randall Miller

SUSTAINABILITY IN ARCHITECTURE

The introduction of the US Green Building Council's Leadership in Energy and Environmental Design (LEED) certification program has prompted profound changes in architectural practice. The world's standard for sustainability in building design, LEED certification ensures that structures are healthy, energy-efficient, and cost-effective in the long term. In this course, we will learn what LEED certification is and discuss its impact on architectural design, choice of building materials, and other aesthetic considerations. We will examine (virtually) LEED-certified buildings in downtown Holland and on the Hope College campus. Finally, we will look at the role of architecture in the broader context of sustainability in our community life, using the Holland Energy Park and Waterfront Holland projects as examples.

Presenters: Nick Rolinski serves as project lead at Broad Street Studio in Zeeland, dedicated to small-scale, stewardship-based design and development. An adjunct instructor in engineering at Hope College, he also consulted on the Waterfront Holland design project and the Holland Charter Township Master Plan. A LEED Green Associate, he has a BA in mechanical engineering from the University of Dayton and MA degrees in architecture and engineering from the University of Notre Dame.

Kara Slater has held leadership positions in facilities management at Hope College since 2015 and is currently director of operations. Before joining Hope, she was a project manager for GDK Construction for 21 years, and served in this role for Holland's City Flats Hotel, the first hotel in the Midwest to earn LEED Gold certification. She has a BS from Calvin University and is a LEED Accredited Professional.

Daniel Tyrer has been senior design architect and design leader at GMB Architecture + Engineering in Holland since 2014. He previously was a designer for Progressive AE in Grand Rapids and Neumann Smith Architecture in metropolitan Detroit. A LEED Accredited Professional, he holds a BS in architecture from Lawrence Technological University and an MA in architecture from the University of Michigan.

Date: Friday, December 4
Time: 9:30-11:00 a.m.
Cost: \$5.00
Coordinator: Bill Reynolds, Sarah Briggs

HOW THE INTERNET WORKS

How does the Internet work? When you type in www.Google.com, how does your browser know where to find Google? How is the network constructed in the US and around the globe? How do fiber optics play into all of this and what is TCPIP all about? Whether you are sending an email, participating in a Zoom call, or storing pictures in the cloud, how does all that data move around? If you have ever wondered about some of these questions, then this class is for you.

The Internet has fundamentally changed society and facilitated information flow all over the world. This class will take the covers off one of the most complex machines that humanity has ever built and explain how it originated and what it has become. Learn how this technology continues to evolve to support our lives. While it is a technical topic, you do not need to be a software or communications engineer to understand how it all works.

*Presenter: HASP member **David Couch** retired from the position of senior vice president and chief information officer for SpartanNash Corporation where he was responsible for all business systems, technical infrastructure, and communication technology. He has over 50 years of experience in information technology in retail, wholesale, and manufacturing organizations. In addition, he has taught college classes in communications technology and data center management. He holds a BA in business administration and an MA in computer science from the University of Arizona.*

Date: Wednesday, December 9
Time: 9:30-11:00 a.m.
Cost: \$5.00
Coordinator: Susan Couch

INSIGHT INTO COMPUTER ANIMATION AND VISUAL EFFECTS

Today's sophisticated computer animation has revolutionized the film industry and other digital media that use visual effects. This course, intended for a general audience, will describe the design tools used and the creators' roles and responsibilities that transform ideas into images on the screen. We will explore the technological challenges that the animation industry has faced and foresee those that it will confront in the near future. We will also investigate some of the creative and business hurdles that this fledgling industry has had to overcome during its development.

*Presenter: **Andrew Van Pernis** is a project manager at the California-based DreamWorks Animation. Starting with a company that provided stereoscopic (creating imagery for each eye from one 2D image) conversions of Disney films, he later joined DreamWorks as a software engineer. Van Pernis has worked on every DreamWorks animated film since How to Train Your Dragon, released in 2010, and on the development of a revolutionary animation tool first used on How to Train Your Dragon 2. He interacts with animators to solve the technical and creative challenges they encounter. He received a BS in mathematics from Hope College and MS and PhD degrees in computer science, both from Clemson University.*

Date: Wednesday, December 9
Time: 1:00-2:30 p.m.
Cost: \$5.00
Coordinator: Louis Morel

A BRIEF HISTORY OF IMMIGRATION LAW IN THE UNITED STATES THROUGH THE END OF THE TWENTIETH CENTURY

Two major changes in immigration law occurred in the United States during the nineteenth and twentieth centuries. This presentation will look at some of the reasons for these changes, both restrictive and non-restrictive. What was the effect of the eugenics movement 100 years ago on immigration law in the 1920s? About forty years later, in 1965, doors were opened to immigrants from all over the world.

*Presenter: HASP member **Larry Lynn** is immediate past president of HASP and former multi-unit franchise owner of International House of Pancakes in Michigan and Indiana. He has a BS in business administration from Aquinas College and an MA in American history from Western Michigan University.*

Date: Thursday, December 10
Time: 9:30-11:00 a.m.
Cost: \$5.00
Coordinator: Mike Economos

VOLCANOES, SUBMARINES, AND THE SEARCH FOR EXTRATERRESTRIAL LIFE

Underwater volcanos may hold the secrets of finding extraterrestrial life in our own solar system. Unmanned submarines are being used by NASA to explore Loihi Seamount near Hawaii and the Gorda Ridge near Oregon, as a rehearsal for a possible investigation of Enceladus, one of planet Saturn's icy moons.

*Presenter: **Shannon Kobs Nawotniak** holds a BS from Michigan Tech and a PhD from State University of New York, with postdoctoral work completed at the University of Mexico. She is an assistant professor at Idaho State University and director of their honors program, and is a collaborative research scientist for NASA.*

Date: Thursday, December 10
Time: 1:00-2:30 p.m.
Cost: \$5.00
Coordinator: John Kobs