Office of the Provost Newsletter  
September 16, 2020

**Academic Affairs Leadership Team (AALT) Reports**

**Artis College of Science and Technology –**

**Wildwood Park Research Collaboration Expands Exploration of a Local Ecosystem**

Prior to the pandemic, students from Radford University's Department of Biology were hard at work crafting and placing traps to study insects in Connelly's Run creek in the heart of the city's Wildwood Park. Dr. Jamie Lau, Assistant Professor of Biology, led an effort by her Biology 131 Ecology and Adaptation students to study the ecosystem by using a method that collects insects that emerge out of the stream from the water surface.

The team created 15 pyramids that floated on the water and ultimately collected more than 500 insects ranging from midges, to caddisflies, to stoneflies and many other small insect species that emerge at the dawn of spring each year between February 25 and March 24. These aquatic insects form the base of the food chain in Wildwood Park and, along with other measures, help indicate the health of the area.

Dr. Lau partnered with Dr. Tara Pelletier, Assistant Professor of Biology, and her Biology 231 Genetics, Evolution, and Development class to collaborate on the research with the students from the genetics class conducting sampling and sequencing of the genetic material from organisms in the creek.

As such, the team also collected water and soil samples at each trap location. A polymerase chain reaction (PCR) test was conducted, and students began sequencing the data for analysis this fall due to the abbreviated spring research opportunities during COVID-19. This fall, several students are continuing the study to complete the details of the data and to help prepare results for publication in the near future.

Both faculty members utilized Radford University High Impact Practices grants to facilitate the expenses of the project. The collaboration represented a holistic approach to understanding the environment of the park as well as components of the maker movement with the development of the traps to further enhance the experience of the students.

**College of Humanities & Behavioral Sciences -**

**World War II: Experience and Legacy is a series designed to commemorate the 75th anniversary of the ending of the war.** The fourth installment of the World War II series will take place on Wednesday, Sept. 16. It features a presentation on war and literature.

**Jennifer Hedges** of Kent State University will present **“J. D. Salinger, War Trauma, and Fiction”** on **Wednesday, September 16, at 4:00 p.m.** The presenter is a product of Radford University. She completed her master's work at RU under the direction of Dr. Moira Baker, of the Department of English. This talk is part of "World War II: Experience and Legacy," an on-campus series to commemorate the end of the Second World War 75 years ago.

Participants may attend in-person at McConnell Library, Rm. 271 (iLab, in the CITL, on the 2nd level of the library). Advanced registration is required as seating is limited, owing to social distancing guidelines. **For in-person attendance**, please use the following link to register: World War II Series Registration.

**An online option via Zoom is also available.** For attendance via Zoom, please use the following link: WW II Series.

More information about the series is available on the [Department of History web site](mailto:).
This series is sponsored by the Department of History, the College of Humanities and Behavioral Sciences, and McConnell Library. For further information, please contact Dr. Suzanne Ament (seament@radford.edu) or Dr. Matt Oyos (moyos@radford.edu).

**College of Visual & Performing Arts -**

"Leaves of the Tree", an interactive exhibition, will feature original works from local artists Charlie Brouwer and Jennifer L. Hand. The exhibition’s centerpiece features a 23-foot-high tree trunk fabricated from slab wood surrounded by hundreds of life-sized suspended leaves sewn from donated fabrics. Brouwer is building the trunk while Hand is creating and installing the suspended fabric leaves. The art gallery at 214 Tyler Avenue will host a corollary exhibition, "**More Leaves of the Tree**", a juried show of leaf-related art by regional artists. The opening for both exhibitions will be spread over three evenings: September 23, 24 & 25 from 5-7pm to accommodate social distancing. Visitors will be given a map (Page 10 & 11 below) with the two tree-lines paths marked on it to follow from one gallery to the other. For more information please go to: [https://www.radford.edu/content/cvpa/home/news/Releases/leaves-of-the-tree-fall2020.html](https://www.radford.edu/content/cvpa/home/news/Releases/leaves-of-the-tree-fall2020.html)

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**Davis College of Business & Economics -**

The Davis College invites all faculty to the Fall 20 DARTS (Davis Activities, Research and Teaching Seminar) this Fall

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Dept</th>
<th>Speaker</th>
<th>Title</th>
<th>Zoom Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Friday September 18th</strong></td>
<td>3pm ET</td>
<td>AFBL</td>
<td>Wendy Li</td>
<td>Zero Leverage, Accounting Quality, and Overinvestment</td>
<td><a href="https://radford.zoom.us/j/93720253836">https://radford.zoom.us/j/93720253836</a></td>
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<td>Password: DARTS</td>
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<tr>
<td><strong>Friday October 2nd</strong></td>
<td>3pm ET</td>
<td>Marketing</td>
<td>Wil and Angie Stanton</td>
<td>Closing the Analytics Skills Gap</td>
<td><a href="https://radford.zoom.us/j/91991162069">https://radford.zoom.us/j/91991162069</a></td>
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<td>Password: 886584</td>
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<tr>
<td><strong>Friday October 30th</strong></td>
<td>11am ET</td>
<td>Management</td>
<td>Tal Zarankin</td>
<td>Best Practices for Using Zoom to Teach</td>
<td><a href="https://radford.zoom.us/j/96202757900">https://radford.zoom.us/j/96202757900</a></td>
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<td>Password: 517965</td>
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<tr>
<td><strong>Friday November 13th</strong></td>
<td>3pm ET</td>
<td>Economics</td>
<td>Eftila Tanellari</td>
<td>The Impact of Wind Energy on the Agricultural Sector: County Level Evidence</td>
<td><a href="https://radford.zoom.us/j/97176767977">https://radford.zoom.us/j/97176767977</a></td>
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Joy Bhadury, Ph.D., Dean, Davis College of Business and Economics cordially invites you to the **Global Capitalism Lecture Series ~ Thursday October 1, 2020 ~ 12:00-1:30pm via Zoom**

**Speaker: Raghuram Rajan, PH.D.**
RSVP by September 25, 2020 to Sheila Cook at daviscollege@radford.edu.
Zoom link and password will be sent to your email address once we receive your RSVP.
(More Information below Page 13)

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**McConnell Library -**

**New Library Hours**
*Effective Sunday, Sept. 13, McConnell Library operating hours will be:*
- Sundays 2pm-10pm
- Mondays through Thursdays 7:45am-10pm
- Fridays 7:45am-4pm
- Saturdays 10am-4pm

**Congratulations to Kay Johnson!**
*Kay Johnson*, Head of Collections and Technical Services, has won the prestigious 2020 Nancy B. Olson Award from Online Audiovisual Catalogers Network (OLAC) The annual Nancy B. Olson award recognizes and honors a librarian who has made significant contributions to the advancement and understanding of audiovisual and/or electronic resources cataloging.

**Local Women Entrepreneurs – A Panel Discussion**
*October 13, 2020 * 3:00-4:00pm - Zoom Event*
Panelists:
- **Laura Godfrey**, Founder and CEO at Point 93 Marketing, Retail & Corporate Social Responsibility Expert
- **Sidra Kaluszka**, Radford University MFA Alumna Radford University Staff Ceramic and Watercolor Artist
- **Susan Sink**, Radford University MBA Alumna Vice President of Development and External Relations of American Farmland Trust and Owner of Sinkland Farms
- **Heather Leeper**, Owner/Instruction, Little Leapers & LEAP Performing Arts Academy

The discussion will be moderated by **Alison Armstrong**  
(More Information below Page 12)

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**Academic Programs -**

**Faculty Development:** CITL Faculty Learning Community on *Small Teaching* by James Lang, Wednesday October 7, Wednesday November 4, Wednesday December 2 (12-12:50pm). Register with CITL and receive more information here: [https://rucitl.com/registration/events/faculty-innovator-cafe-fall-2020/](https://rucitl.com/registration/events/faculty-innovator-cafe-fall-2020/)
Citizen Leader

- **COVID-19 Expert Panel Series.** There is one remaining nights from the 3-panel series. This last panel discusses the politics and messages about the public health issue on Sept. 23. Citizen Leader is one of the sponsors. See the events calendar for additional details.

- The second annual *Constitution and Citizenship Events* are scheduled for Sept. 14 – 18. The zoom events address various aspects of the law, constitution, and what it means to be an engaged citizen.

- **Open weekly sessions for faculty** interested in learning more about the program, Fridays from 11 am – 1 pm. You will learn about course designation, how to sponsor a Citizen Leader designated event, assessment for those teaching a designated course, funding requests and more. Courses designated as Citizen Leader gives you access to funding for course materials.

**Renewal course designation** applications for Spring 2021 are due 9/14/20

We begin the application process for Fall 2021 Citizen Leader designated courses Nov. 1 through Feb. 1. Please submit your new or renewal application forms through RUInvolved.

**RUC Academic Support Services--Attention RUC Faculty:** Progress surveys for the current semester were released on September 7th. Thanks to those who have already completed this survey! These surveys are a quick and easy way to check in with students, raise referrals to support services, and hand-out kudos in only a few short clicks. These surveys can be accessed in Starfish and are located at the top of your home page. Please remember to submit surveys even if you're not raising any flags or referrals so they can be marked as completed. For questions contact Al Overstreet at aoverstreet1@radford.edu or call at 540-985-8205.

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### Upcoming Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Location</th>
<th>Date</th>
<th>Time</th>
<th>Sponsors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>September 2020</strong></td>
<td><strong>Zoom</strong></td>
<td><strong>Fridays-Weekly</strong></td>
<td>11:00am-1:00pm</td>
<td><strong>Citizen Leader; Dr. Jean Mistele</strong> Additional one-on-one scheduled appointments welcomed</td>
</tr>
<tr>
<td>Citizen Leader: Open Faculty Sessions</td>
<td><a href="https://radford.zoom.us/j/98864752641">Join from PC, Mac, Linux, iOS or Android:</a> Password: 075539</td>
<td>Fridays-Weekly</td>
<td>11:00am-1:00pm</td>
<td><strong>Citizen Leader; Dr. Jean Mistele</strong> Additional one-on-one scheduled appointments welcomed</td>
</tr>
<tr>
<td>Grant Writing Workshop</td>
<td>Register: <a href="https://hanoverresearch.zoom.us/meeting/register/tJUqdOmrqjkiG9XKnBKfn30mvAuLFZ-L-IMA">https://hanoverresearch.zoom.us/meeting/register/tJUqdOmrqjkiG9XKnBKfn30mvAuLFZ-L-IMA</a></td>
<td>Sept. 16, 2020</td>
<td>11:00am-12:00pm</td>
<td>Office of Sponsored Programs and Grants Management</td>
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<tr>
<td>Session 3: Navigating the resubmission process</td>
<td>(More Information below Page 14 &amp; 15)</td>
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<td>Sept. 16, 2020</td>
<td>1:00-2:00pm</td>
<td>Office of Sponsored Programs and Grants Management</td>
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<tr>
<td>Session 4: Looking beyond NIH</td>
<td>(More Information below Page 14 &amp; 15)</td>
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<td>Sept. 16, 2020</td>
<td>2:30pm</td>
<td>Office of Sponsored Programs and Grants Management</td>
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<tr>
<td>Session 5: Bonus Session – Panel Discussion with Professional Grants consultants</td>
<td>(More Information below Page 14 &amp; 15)</td>
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<td>World War II: Experience and Legacy</td>
<td>Jennifer Hedges of Kent State University will present “J. D. Salinger, War Trauma, and Fiction”</td>
<td>Sept. 16, 2020</td>
<td>4:00pm</td>
<td>Department of History</td>
</tr>
<tr>
<td>The fourth installment of the World War II series</td>
<td>McConnell Library, Rm. 271 or Zoom. For in-person attendance, please use the following link to register: <a href="https://www.radford.edu/world-war-ii-series-registration">World War II Series Registration</a> OR For attendance via Zoom, please use the following link: <a href="https://www.radford.edu/world-war-ii-series">WW II Series</a></td>
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<td>College of Humanities and Behavioral Sciences</td>
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<td>McConnell Library.</td>
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<tr>
<td>Constitution and Citizenship Week</td>
<td>Topic: The Immigration Maze: One Family’s Story Speaker: Eric Williams</td>
<td>Sept. 16, 2020</td>
<td>4:00-5:00pm</td>
<td>Eric Williams, Criminal Justice Department</td>
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<td>Join from PC, Mac, Linux, iOS or Android: <a href="https://radford.zoom.us/j/96591882454">https://radford.zoom.us/j/96591882454</a> Password: Immigrant</td>
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| Constitution and Citizenship Week | Topic: Highlanders Vote: Getting Counted on Election Day  
Panel: Tracy Howard, Radford Registrar  
Scott Dunn, Communications,  
Mr. Jordan Smith, Campus Vote Project | Zoom: https://radford.zoom.us/j/94021394709  
Password: vote | Sept. 16, 2020  
6:30-7:30pm | McConnell Library |
|---|---|---|---|---|
Panel: Citizen Leader Co-Directors | https://radford.zoom.us/j/95167901286  
Password: 486135 | Sept. 17, 2020  
6:00-7:00pm | Citizen Leader Co-Directors: Jessica Twiest, Interim Dir. Student Involvement  
Jean Mistele, Assoc. Professor Math and Stats |
| Constitution and Citizenship Week | Constitution Day Trivia Activity  
Deadline to submit your answers.  
You could be a Winner!  
Send to Liz Costa, ecosta@radford.edu | | Sept. 17, 2020  
9:00pm | RUC Office of Student Affairs  
Department of Public Health and Public Health Leadership |
| Constitution and Citizenship Week | Topic: The Campaign for Women’s Suffrage in Virginia  
Panel: Brent Tarter, Library of Virginia  
Marianne Julienne, Library of Virginia  
Barbara Batson, Library of Virginia | Zoom  
https://radford.zoom.us/j/93543068750  
Password: vote | Sept. 18, 2020  
Afternoon | Sarah Hastings, Women and Gender Studies Program  
Alyssa Archer, McConnell Library |
| The Davis College Fall 20 DARTS (Davis Activities, Research and Teaching Seminar) | Zero Leverage, Accounting Quality, and Overinvestment | https://radford.zoom.us/j/93720253836 | Sept. 18, 2020 | 3:00pm | AFBL |
| | Dr. Paige Tan, Professor, Department of Political Science | | | | |
| | Dr. Dai Zehui, Assistant Professor, School of Communication, Radford University | | | | |
| | Moderator: Dr. Iuliia Hoban, Visiting Assistant Professor, Department of Political Science, Radford University | | | | |
| Leaves of the Tree | An interactive exhibition, will feature original works from local artists Charlie Brouwer and Jennifer L. Hand. The exhibition’s centerpiece features a 23-foot-high tree trunk fabricated from slab wood surrounded by hundreds of life-sized suspended leaves sewn from donated fabrics. Brouwer is building the trunk while Hand is | RUAM https://www.radford.edu/content/cvpa/home/news/Releases/leaves-of-the-tree-fall2020.html | Sept. 23, Sept. 24 and Sept 25, 2020 | 5:00-7:00 p.m. | CVPA |
| | | | To accommodate social distancing. Visitors will be given a map with two tree-lined paths marked on it to follow from one gallery to the other. (Map Page 10 & 11 below) | | |
creating and installing the suspended fabric leaves.

<table>
<thead>
<tr>
<th>Event: More Leaves of the Tree</th>
<th>Tyler Gallery</th>
<th>Sept. 23, Sept. 24 and Sept 25, 2020</th>
<th>5:00-7:00 p.m.</th>
<th>CVPA</th>
</tr>
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<td>A juried show of leaf-related art by regional artists.</td>
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<th>Oct. 1, 2020</th>
<th>DCOBE Joy Bhadury, Ph.D., Dean, Davis College of Business and Economics cordially invites you</th>
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<td>Global Capitalism Lecture Series ~ Thursday October 1, 2020 ~ 12:00-1:30pm via Zoom</td>
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<td>The Davis College Fall 20 DARTS (Davis Activities, Research and Teaching Seminar)</td>
<td>Closing the Analytics Skills Gap</td>
<td><a href="https://radford.zoom.us/j/91991162069">https://radford.zoom.us/j/91991162069</a> Password: 886584</td>
<td>Oct. 2, 2020</td>
<td>3:00pm</td>
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<td>Speakers: Wil and Angie Stanton</td>
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<td>Local Women Entrepreneurs</td>
<td>Panelists: Laura Godfrey, Sidra Kaluszka, Susan Sink, Heather Leeper</td>
<td>Zoom Event</td>
<td>Oct. 13, 2020</td>
<td>3:00-4:00pm</td>
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<td>Moderator: Alison Armstrong</td>
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| The Davis College Fall 20 DARTS (Davis Activities, Research and Teaching Seminar) | Best Practices for Using Zoom to Teach  
Speaker: Tal Zarankin | [https://radford.zoom.us/j/96202757900](https://radford.zoom.us/j/96202757900)  
Password: 517965 | Oct. 30, 2020 | 11:00am | Management |
| --- | --- | --- | --- | --- | --- |
| November 2020 | The Impact of Wind Energy on the Agricultural Sector: County Level Evidence  
Speaker: Eftila Tanellari | [https://radford.zoom.us/j/97176767977](https://radford.zoom.us/j/97176767977)  
Password: DARTS | Nov. 13, 2020 | 3:00pm | Economics |
**Dotted Blue Path**

Art gallery in Covington to the art gallery at 214 Tyler Avenue

After viewing the exhibition, exit the atrium via the doors to the patio where there is an interactive sculpture by Charles Brounere.

Follow the concrete pathway along the exterior rear façade of Covington and around the corner to the skate plaza area between Covington and Porterfield. Go through the "Leaf Lahndight" (designed by Dr. Eloise Philpot) and then up the far staircase to #1.

**1. Sugar Maple (Acer saccharum)**
- The specific epithet refers to sugar.
- This maple is named for the syrup-making properties of its sap.
- Although all-sap contains sugar, the sugar maple’s sap flavor makes it the favorite of maple syrup producers.
- The sap only runs during a few weeks in late winter when the temperatures vacillate above and below freezing.
- Forty gallons of sap is boiled down to make 1 gallon of syrup. Very productive trees, a.k.a. ‘sap cows,’ might produce 2 gallons of sap per day.
- Humans are not the only animal that uses the sap. Note the rows of holes in the bark of this tree. They were made by yellow-bellied sapsuckers, a woodpecker that visits this elevation in the winter, taps the maples and other trees, and drinks the sap.

Continue to the Bonnie Hurlbut Plaza and go right to enter the Governor’s Quad between Trinkle Hall & Pye Hall.

**2. Little-leaf Linden (Tilia cordata)**
- Cordate refers to the heart-shaped leaf.
- There are two rows of little-leaf lindens here in the Governor’s Quad.
- This is a European species that is planted as an ornamental in the eastern U.S. It is in the same genus as the national champion basswood in Tyler Hall. Both have oval leaf-like bracts that subtend the clusters on campus, both have the oval leaf-like bracts that subtend the cluster of flowers, and thus the fruits as well. The bract acts as a wing and aids in the dispersal of the fruits.

**3. Japanese Zelkova (Zelkova serrata)**
- Zelkova is in the Elm family and is a popular ornamental.
- As it is resistant to the Dutch elm disease which devastated populations of the American Elm, Zelkova has a similar use to the American Elm. The trunk splinters into many upright branches, so that it looks like an umbrella that has been turned inside out.
- The specific epithet ‘serrata’ refers to the serrated edges of the leaves. The interesting bark and fall color also contribute to its desirability as an ornamental tree. The bark is grayish with exfoliating revealing orange patches. In autumn its leaves may turn yellow, orange, and red.

**4. American Holly (Ilex opaca)**
- This is a medium-sized tree native to the southeastern U.S. Its glossy, evergreen leaves and red fruits make it a desirable ornamental tree. Its red fruit-festoned foliage is often used for Christmas wreaths and other decorations. The holly is produced on separate trees, so it is important to get a fruiting tree if you wish to have the red berries.
- Pollen-producing trees have to be somewhere in the neighborhood to ensure the development of fruit. The fruits are poisonous to humans, but eaten by many species of birds. Birds generally eat the berries until late in the winter. On the RU campus, nomadic flocks of robins and cedar waxwings often partake of the berries in January and February.
- There are also hundreds of holly cultivars in the nursery trade and several dot the RU campus.

**Pass between Whitt Hall & Heath Hall.**

**5. Norway Spruce (Picea abies)**
- This species is native to Norway, Poland, and the mountains of central Europe.
- Its seed cones and secondary branches are pendulous. The pollen cones are less than an inch long, but the seed cones are up to 17 cm (6.7 inches).
- In the fall, you can see seed cones with the scales nibbled off by squirrels lying on the ground. A common ornamental in the U.S., it is also cultivated for its lumber, which is used to make soundboards for stringed instruments.
- There are a dozen Norway Spruce on campus.

**6. More sugar maples.**
- Pass the fountain (surrounded by sugar maples) near Madison Hall & Jefferson Hall.

**7. Flowering Dogwood (Cornus florida)**
- Florida refers to the fact that it flowers, but all dogwood species produce flowers. The flowers are actually small but a group of them are subtended by four showy white bracts, which is the characteristic that makes them such a desirable ornamental tree. (Some cultivars have pink bracts.) The fruits are red, spindle-shaped, and are an important food for many bird species.
- The wood is hard and dense, and has been used for making posts that must be able to take a beating, such as mallets, golf club heads (woods), spindles, and bowling pins.
- There are 36 flowering dogwoods on campus. The RU campus is also decorated with Kousa dogwoods, which are native to east Asia. They also have conspicuous white blossoms in the spring before the last frost, so enjoy the flowers when you can because a frost will turn them brown and droopy.

**8. White Basswood (Tilia americana)**
- Tilia americana means "heterophylla," which refers to the bract which is a long oval that is very differently shaped from the leaves. The name "basswood" is derived from ‘bastwood,’ named for the best fibers, which are fibers from the stem, from the inner layer of bark, that can be used to make cordage. (Linen and hemp are both bast fibers from the stems of their respective plants). This particular individual is recognized as the national champion white basswooded by American Forest magazine.
- Its stature earns 296 points – 1 point for each of its 186-inch circumference, 1 point for each of its 90-foot height, and ½ point for each of its 81-foot canopy width.

Cross the street to the RU Art Museum on Tyler (214 Tyler Ave) for the “More Leaves of the Tree” exhibition.

**9. Lacebark Elm (Ulmus parvifolia)**
- Ulmus parvifolia refers to its small leaves.
- There are several lacebark elms that line the campus side of Tyler Avenue. ‘Lacebark’ refers to its bark, which is distinctly multi-colored pattern.
- This species is from eastern Asia, and is a common ornamental because of its tolerance of myriad environmental conditions. With this tolerance and the small leaves, this species is commonly used in bonsai horticulture. There are 13 lacebark elms on campus.

**Pass between Norwood Hall and Tyler Hall to the sidewalk along Tyler Avenue.**

**10. American Beech (Fagus grandifolia)**
- The very smooth gray bark is a distinctive feature. Leaves have toothed margins and prominent pinnately-arrayed veins. The seeds are triangular in cross section and are inside a spiny capsule.
- Beechwoods are eaten by squirrels, turkey, bear, deer, and other wildlife. The seeds are sometimes roasted and eaten by humans. This species is native to eastern North America.
- The word ‘bark’ is thought to have derived from a Germanic word meaning ‘beech.’ Beechwood trees were a common writing material in Germanic societies before the development of paper.

To the Alumni Garden next to McConnell Library.

**11. Saucer Magnolia (Magnolia soulangiana)**
- This is a hybrid of two Chinese species. It was produced in 1820, when one of Napoleon’s retired officers, Etienne Soulange-Bodin, produced it on his property near Paris. It is a popular tree in its saucer-sized pink and white flowers. It blooms early in the spring before the tree has leafed out, and provides a welcome sign that winter is about to end. Unfortunately, before the last frost, so enjoy the flowers when you can because a frost will turn them brown and droopy.

**12. Tulip Poplar or Yellow Poplar (Liriodendron tulipifera)**
- Tulip bearing beautiful tree. Of course, it doesn’t bear tulips, but its yellow and orange cup-shaped, 6-petal flower resembles a tulip (hence the name).
- Because of its fast-growth and straight, columnar trunk, it is a valuable timber species. The leaves are food for the caterpillar of the tiger swallowtail, the state insect of Virginia. This is the only tulip poplar on campus, but the species is common throughout Virginia.

**13. Hawthorn (Crataegus spp.).**
- Although this genus is relatively easy to recognize, species identification of the hawthorns is difficult, and botanists (some “polymaths” and some “lumpers”) disagree about how many species of Crataegus there are. Delineations vary from 100 to 200 species. Hawthorns, like apples, are in the Rose family and have small apple-like fruits, known as pomes. The fruits (in many species they are smaller than what is seen here) are eaten by many species of birds. Humans have used the fruits to make jellies. These are thorny trees, sometimes called thornapples, and are often the first to colonize an unused pasture. Clusters of white flowers in the spring and the red pomes make it a desirable ornamental and there are many cultivated varieties.

**14. Southern Magnolia (Magnolia grandiflora).**
- The very smooth light-gray bark is a distinctive feature. Leaves have toothed margins and prominent pinnately-arrayed veins. The seeds are triangular in cross section and are inside a spiny capsule.
- Beechwoods are eaten by squirrels, turkey, bear, deer, and other wildlife. The seeds are sometimes roasted and eaten by humans. This species is native to the coastal plain of the southeastern U.S. There are other magnolia species on campus but this is the only North American native and the only one that is evergreen. The flowers are the size of a dinner plate and are white, covered in conspicuous white polinators – flies, wasps, and beetles feed on the nectar and pollen. Because of the flowers and the glossy foliage, this is a common ornamental tree throughout the southern U.S. There are 34 on campus.
Descend the steps to the main parking lot (Lot A).

15. Willow Oak (*Quercus phellos*). Native to the southern U.S., in Virginia it is only native to the coastal plain, but this species is commonly planted as an ornamental and shade tree. Unlike the lobed leaves of many oak species, the leaf is a narrow oval to about 12 cm long. “Willow” Oak refers to the leaf shape being similar to a willow leaf. The acorns it produces are a source of food for wildlife. When wildlife biologists speak of “hard mast,” they are talking about acorns, hickory nuts, and beech nuts. These fruits can lie on the forest floor through the winter and may provide a steady source of food. There are a dozen willow oak here in the main parking lot and 31 on campus.

Continue toward McGuffey Hall.

16. Red Maple (*Acer rubrum*). On the RU campus, this is first tree to bloom in the spring. It sometimes blooms as early as late February, so is an early sign of spring. Individual flowers are small so many passersby don’t even realize it’s blooming. But there are thousands of red blooms on the tree and the whole tree turns red. The leaves are smaller and more angular than the related sugar maple and have a redder petiole. The fruits (often enjoyed for their helicopter-like flight that aids in dispersal) are also red. This species grows in a wide variety of wild habitats and thus is also a common ornamental. There are 36 red maples on the RU campus.

17. Pin Oak (*Quercus palustris* — *palustris* means “of the swamps”). This native oak has leaves with deep sinuses between the lobes and bristles at the tips of the lobes. Like all the oaks, its fruit is an acorn, a valuable food for wildlife, including the blue jays and squirrels on campus. Oaks have a heavy crop of acorns every few years. Producing thousands of acorns takes a lot of energy, so after a heavy year of production, the tree takes a few years to store up enough energy to make another crop. Pin Oaks naturally occur from Delaware and New Jersey to the Midwest, so Radford is just outside its natural range. However, Pin Oak does well in many habitats and is one of the most common ornamental oaks. There are 20 on campus.

18. Crape Myrtle (*Lagerstroemia indica*). This non-native species was introduced from India, hence the specific epithet *indica*; it is found throughout southeast Asia. This is a multi-stemmed tree grown for its copious summer blooms and attractive, rust-colored, exfoliating bark. There are many cultivated varieties with flower colors of red, pink, white or purple. It is a common ornamental tree in the southern U.S.

Enter Covington Arts Center to see the “Leaves of the Tree” exhibition in the gallery.

When finished, please exit the atrium via the doors to the patio where there is an interactive sculpture by Charlie Brouwer.

Follow the concrete pathway along the exterior rear façade of Covington and around the corner to the plaza area between Covington and Porterfield. Go through “Leaf Labyrinth” (designed by Dr. Eloise Philpot) and then up the far staircase to #1 (see description above).

Tree descriptions by John Kell.

Leaves of the Tree installation in progress by Charlie Brouwer and Jennifer L. Hand.

The 2 Paths Between the “Leaves of the Tree” and “More Leaves of the Tree” Exhibitions

**Blue Path** — Covington to 214 Tyler Ave.

**Red Path** — 214 Tyler Ave. to the Covington Center
Local Women Entrepreneurs

A Panel Discussion

October 13th, 2020 * 3:00 pm – 4:00 pm
Zoom Event

Laura Godfrey
Founder and CEO at Point 93
Marketing, Retail & Corporate Social Responsibility Expert

Sidra Kaluszka
Radford University MFA Alumna
Radford University Staff
Ceramic and Watercolor Artist

Susan Sink
Radford University MBA Alumna
Vice President of Development and External Relations of American Farmland Trust and Owner of Sinkland Farms

Heather Leeper
Owner/Instructor, Little Leapers & LEAP Performing Arts Academy

The discussion will be moderated by Alison Armstrong
Joy Bhadury, Ph.D., Dean, Davis College of Business and Economics cordially invites you to

Global Capitalism Lecture Series
Sponsored by Truist Financial Corporation

Raghuram Rajan, Ph.D.
Katherine Dusak Miller Distinguished Professor of Finance University of Chicago
Booth School of Business
“The Third Pillar in the Age of Coronavirus”

Thursday, October 1, 2020 Noon - 1:30 p.m.
via Zoom

RSVP by September 25, 2020
to Sheila Cook at daviscollege@radford.edu.
Zoom link and password will be sent to your email address once we receive your RSVP.

ABOUT THE SPEAKER
Raghuram Rajan, Ph.D., distinguished University of Chicago professor, former IMF chief economist, onetime head of India’s central bank and author, has an unparalleled vantage point onto the social and economic consequences of globalization and their ultimate effect on our politics.
In his book “The Third Pillar: How Markets and the State Leave the Community Behind,” he offers up a magnificent big-picture framework for understanding how three forces — the state, markets and our communities interact, why things begin to break down and how we can find our way to a more secure and stable plan.
GRANTSMANSHIP TRAINING AGENDA
Prepared for Radford University
September 2020

REQUIRED REGISTRATION (click here)

DAY 1: Tuesday, September 15, 2020

11:00am | Session 1: So, you want to write a grant? (60 min)
This first session will kick off our two-day webinar series with an introduction to Hanover Research and then move into a Grants 101 perspective on grant-writing. We will focus on grant writing basics—an overview of how grant-making works, what types of entities award funding and the differences between them, and for what types of projects. Then we will discuss effective (and important!) proposal development practices, including grant development timelines, program officer outreach, and other strategies to be competitive.

1:00pm | Session 2: The art of prospecting and alignment (60 min)
This session will focus on the art of prospecting opportunities that are aligned with faculty interest areas and project concepts. It will include an overview of relevant funding entities and their grant-making programs, in addition to a discussion of the different resources available to find opportunities. Prospecting highlights will cover including examples from funders of interest such as the National Institutes of Health (NIH), National Science Foundation (NSF), Health Resources and Services Administration (HRSA), and the Substance Abuse and Mental Health Services Administration (SAMSHA).

DAY 2: Wednesday, September 16, 2020

11:00am | Session 3: Navigating the resubmission process (60 min)
For those who missed Day 1, we will kick off Day 2 with a brief introduction to Hanover Research and then turn our attention to the proposal resubmission process. Your proposal was not successful and it is time to decide your next steps: Should you revise and resubmit or change direction altogether? In this session, we will take a look at an array of reviewer comments and explore the decision-making process of whether or not to resubmit, and how to approach resubmission for different funding agencies.

1:00pm | Session 4: Looking beyond the NIH (60 min)
Interested in pursuing health sciences research? Human subjects research? Understanding research funding trends at the federal level are key ingredients to finding success. This session will identify an array of mechanism types and programs across biomedical research federal funders. Therefore, knowing which funders support clinical research will deeply enhance a prospective applicant’s purview as we look beyond the NIH to the National Science Foundation (NSF), Patient-Centered Outcomes Research Institute (PCORI), Department of Defense (DoD), Agency for Healthcare Research and Quality (AHRQ), HRSA, and SAMSHA. We will round out this session with an overview of presenting strong proposal elements, such as strong aims and significance.

2:30pm | Bonus Session: Panel Discussion with Professional Grants Consultants (60 min)
This session will consist of a Q&A with a team of Hanover Grants Consultants who have a wide range of expertise. Send questions in advance to angeow@hanoverresearch.com or come with your questions!
Grants Consultant Bios

Melissa Cornish (All sessions): Melissa provides Hanover and its higher education clients with grant reviews, writing support, and project design services. Her experiences in grant writing and proposal refinement span proposals to the National Institutes of Health, National Science Foundation, U.S. Department of Defense, Patient-Centered Outcomes Research Institute (PCORI) and a number of private foundations dedicated to funding clinical and translational science and health services research. Prior to joining Hanover, Melissa served as project leader/manager at a large academic medical center and other research-intensive institution where she identified and managed research collaborations and provided extensive business development support in the form of grant writing and proposal/budget development, strategic planning, program development, and communications and marketing.

Bryan DeBusk (Panelist): Bryan joined Hanover Research as a Grants Consultant in October 2009 following careers as a biology professor and freelance grant consultant. He is currently the Senior Grants Consultant responsible for Hanover’s NSF team, and he supports Hanover’s NIH team through client consultation, project work, and internal professional development. To date, he has helped clients obtain more than $305 million in funding from NIH, NSF, DoD, PCORI, HRSA, CDC, the Department of Education, other federal agencies, and numerous private funders.

Sarah Ott (Panelist): Sarah provides grant review, writing and project design services for clients including major post-secondary institutions and academic research institutions. Sarah predominantly works on health-related proposals supporting a variety of investigators including physicians, nurse researchers, pharmacists, medical faculty, and basic scientists. Her areas of expertise include clinical and translational science, patient-centered outcomes research and program development and evaluation. Prior to coming to Hanover, Sarah accumulated a decade of grant writing experience at two large academic health sciences centers. While at Hanover, Sarah has added successful state and foundation proposals to her federal experience with agencies such as DOD, NIH, HRSA, CDC, AHRQ, and ED.

Susan Perri (Panelist): Susan works with NGOs, health care systems, university systems, and K-12 school districts of all sizes nationally. In her capacity as a Grants Consultant, she develops state and federal grant proposals, including data analyses, needs assessments, program evaluation, and sustainability planning. Susan has more than a decade of experience developing grant programs for organizations nationwide. Her grants have secured more than $40 million in new funding for positive youth development, workforce development, nursing and science education, faculty development, laboratory and health facility renovations, student retention, health literacy, patient support, health information technology, chronic disease management, behavioral health and rural health projects. Susan has also served as a federal peer reviewer for ED and HHS.

Tom Kuhn (Panelist): Tom focuses on assisting partners with the full range of consulting and training on grant strategy, project and research design, and proposal development. He has substantial experience in project management and evidence-based program design for the development of complex projects in STEM research and education, health sciences and technologies, and Small Business Innovation Research. He works with executive, clinical, and technology teams to develop and fund innovative health IT, data analytics, and clinical optimization projects. He is also actively assisting faculty researchers, universities, and private businesses working to transfer and commercialize innovative technologies. Tom has secured over $200 million in funding and has served as a reviewer for several federal agencies and competitions.