

DUKE UNIVERSITY

Libraries

FALL/WINTER 2024 VOLUME 38 NO. 1





A Real Page-Turner

John James Audubon's magnum opus, *The Birds of America*, is a scientific study of birds but also an important artistic endeavor. Printed between 1827 and 1838, the four-volume work features 434 hand-colored etchings on "double elephant folio" paper (38 x 26 inches), the largest sheets available at the time. Duke's Rubenstein Library holds a complete set, kept on rotating display in the Mary Duke Biddle Room.

Once a month, Exhibits Librarian Meg Brown (shown here) opens the display cases and turns the pages for conservation reasons. This keeps the priceless volumes from developing "preferential openings" — tendencies to open to one particular page, often resulting when books are on display for a long time.



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Duke University Libraries (ISSN 0895-4909) is published twice a year by Duke University Libraries, Durham, NC 27708-0193 USA. It is distributed to library friends and supporters, library staff, other libraries, and anyone who picks up a copy in our buildings. Letters to the editor, inquiries, and changes of address should be sent to the Editor, Duke University Libraries, Box 90193, Durham, NC 27708-0193, USA.



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On the cover: "Slow-paced lemur," commonly known as a red slender loris, from *The Naturalist's Miscellany* (1789), by George Shaw, Rubenstein Library.

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Current Exhibits

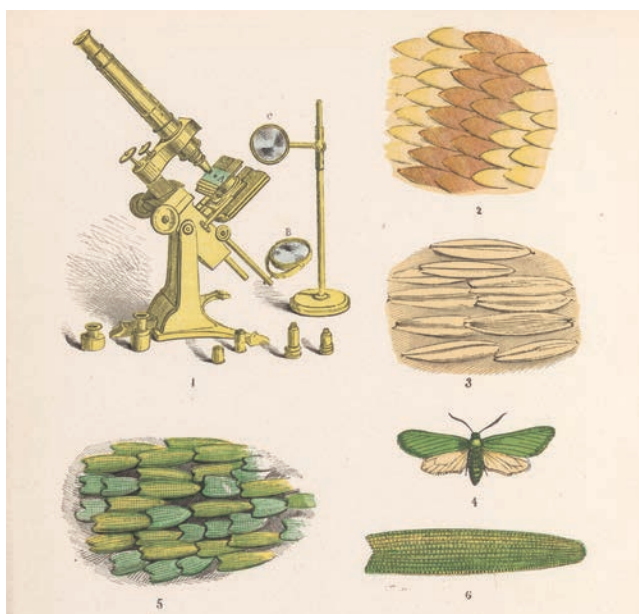


“A Worthy Place”: Durham, Duke, and the World of the 1920s–1930s

Jerry and Bruce Chappell Family Gallery

THROUGH JUNE 9, 2025

The city of Durham saw great changes leading up to, during, and after the construction of Duke University a century ago. This exhibition explores how the project of building Duke intervened in the life of the city and its inhabitants. By examining the lived experiences of Durham residents and the Duke community, the exhibit presents the diversity of city life in the 1920s and 1930s, provoking conversations about Duke’s role in the emergence of Durham on the world stage.



The Scientific Vision of Women

Mary Duke Biddle Room

THROUGH FEBRUARY 15, 2025

Illustration has always been a critical part of scientific inquiry—a way to impart understanding differently than words—and historically it was sometimes the only way for women to work in scientific fields. This exhibition presents the critical role of women in science across centuries, geographical regions, and disciplines, including anatomy, chemistry, physics, natural history, astronomy, geology, aeronautics, and statistics.



Rift/Fault: Photographs by Marion Belanger

Documentary Arts Gallery

THROUGH APRIL 6, 2025

Documentary photographer Marion Belanger captures the cultural landscape where geology and the built environment intersect. In *Rift/Fault*, she photographs the traces of tectonic activity along the volcanically active Mid-Atlantic Rift in Iceland and the earthquake-prone San Andreas Fault in California. In viewing Belanger's photographs, we are drawn to consider the deep and sometimes violent history of the earth beneath us.

Joseph Conrad's Polish-Ukrainian "Graveyard" & Whatever Happened to Radicalism? Voices from the George Vickers Papers

Michael and Karen Stone Family Gallery

THROUGH APRIL 5, 2025

Graveyard commemorates both the centenary of author Joseph Conrad's death (1924) and the tenth anniversary of the start of Russia's war against Ukraine (2014), the place of his birth. The cornerstone of the exhibit is one of the few personal items that the orphaned survivor of Russian imperialism brought with him when he went into permanent exile abroad—a nineteenth-century family photo album that Conrad described as "the graveyard." See p. 14 for more of the story.

Radicalism offers a glimpse of the world seen by George Vickers (1943–2018), a lifelong social activist, sociologist, and human rights advocate, whose papers are part of our Human Rights Archive.



Palliative Care with Compassion: The Work of Dr. Richard Payne

Josiah Charles Trent History of Medicine Room

THROUGH MAY 10, 2025

Dr. Richard Payne (1951–2019) was a physician and researcher recognized internationally as an expert in palliative care, pain management, oncology, and neurology. At Duke, he served as the Esther Colliflower Professor of Medicine and Divinity and directed the Duke Institute on Care at the End of Life. His work focused on medicine and spirituality, as well as end of life care for African Americans. This exhibit offers a small selection of the Dr. Richard Payne papers held at the Rubenstein Library.



AARON WELBORN

Left to right: Coach Mike Krzyzewski, author John Feinstein, and Duke University Press director Dean Smith.

With Feuerstein and Feinstein, Libraries Present a Family Weekend Double-Feature

Every October during Duke Family Weekend, we look for a parent of a Duke student who has an interesting job and invite them to share their experiences with other Duke moms and dads. This year we were fortunate to be joined by actor, writer, and director **Mark Feuerstein** (right), a familiar face to many on the big and small screens. Best known for his starring role as Dr. Hank Lawson on USA's hit series *Royal Pains*, Feuerstein has had recurring roles and guest appearances on such shows as *The West Wing*, *Prison Break*, and *Sex and the City*, and his film credits include *Practical Magic*, *What Women Want*, and the WWII epic *Defiance*, among many others.

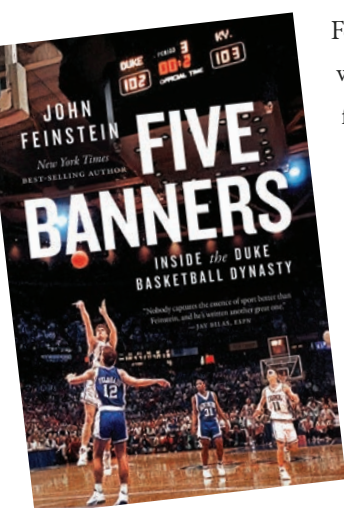


Feuerstein and his wife, TV writer and producer Dana Klein, are the parents of Lila, a first-year student at Duke, who interviewed her dad at the event. No stranger to being on stage, Feuerstein shared insights and anecdotes from a long career of entertaining audiences.

Later that same weekend, we were proud to partner with Duke University Press on a talk with **John Feinstein** '77, author of the new book, *Five Banners: Inside the Duke Basketball Dynasty*, in conversation with **Coach Mike Krzyzewski**.

In the book Feinstein—who covered Duke's men basketball as a student reporter for the *Duke Chronicle* and later for the *Washington Post*, *Sports Illustrated*, ESPN, and NPR—tells the inside history of Coach K's forty-two-year career at Duke and its five NCAA championships. Through his close friendships and conversations with Coach K, Grant Hill, Nolan Smith, Christian Laettner, Tommy Amaker, Bobby Hurley, and others, Feinstein takes readers on a mesmerizing ride into the locker room and onto the court.

As a sports commentator, Feinstein is used to covering Duke basketball with a reporter's objectivity. But *Five Banners* allows him to fully embrace his roots and tell the story of one of the most impressive sports dynasties of all time. Through his unparalleled access to one of the winningest college basketball coaches ever, Feinstein offers a blueprint of what leadership looks like and how greatness is made. The book is available from Duke University Press.



Feeling Like a Student Again

This group of Duke alumni recently got an up-close look at some of the Rubenstein Rare Book & Manuscript Library's most fascinating treasures as part of "The History of the Book," a class taught by Clare Woods, Associate Professor of Classical Studies, for the inaugural **Duke Forever Learning**

Summer Academy. It's a condensed, one-week version of the same course Woods has taught at Duke for years, investigating the history of the "book" as a physical object from its earliest forms to artist's books and digital texts. Drawing on rare and historic primary source materials from the Rubenstein Library, program participants learned how book production changed over the centuries, from ancient Greece and Rome through medieval monastic scriptoria to the printing presses of the early modern world. Combining the intellectual stimulation of college

with the camaraderie of summer camp, the Duke Forever Learning Summer Academy provides an immersive week-long educational adventure in July and August for Duke alumni and friends. Find out more at alumni.duke.edu/forever-learning.



Giving Duke Engineers Something to Chew On

This September we hosted a special library open house especially for students, faculty, and staff from the **Pratt School of Engineering**. The event offered attendees a chance to interact with some fascinating and unusual items from the Rubenstein Rare Book & Manuscript Library—like this toothbrush testing machine from the Consumer Reports Archives. Over 100 students and faculty members attended to get a taste of the wide variety of collections we hold on the history of science and engineering, including many they might not expect.

How Can Libraries Help the Climate? Stop Trying to Be So Cool.

Like many parts of campus, we've been trying to reduce our energy consumption in support of the Duke Climate Commitment.

With nearly 610,000 square feet of combined space, our library buildings have one of the biggest physical footprints on campus outside of the Duke Medical Center. That means we also have some of the university's highest heating and cooling costs.

Bringing those costs down represents an obvious goal—but only if it can be done in a way that keeps the millions of books on our shelves at mold-free temperature and humidity levels.

One solution we tried this year, in partnership with **Duke's Facilities and Maintenance Department (FMD)**, may sound familiar to anyone who has a “smart” thermostat at home. We started turning the air off when it's least needed.

From January to May 2024, Duke FMD piloted a series of controlled HVAC shutdowns in Perkins and Bostock Libraries overnight when the buildings were closed. Whenever the dew point outside fell below 55 degrees Fahrenheit, the air handlers in the two libraries would automatically shut off and turn back on at pre-programmed intervals. In this way, conditions inside the climate-controlled book stacks never deviated far from normal.

Using environmental sensors placed throughout the stacks, the Libraries' Conservation Services Department carefully logged temperature and humidity levels in order to monitor the impact on library collections over the five-month trial period. Happily, the impact was little to none.

The impact on energy consumption, on the other hand, was significant.



Duke's Chiller Plant No. 3.

According to FMD, the controlled HVAC shutdowns conserved 7.1 million pounds of steam and 100,000 tons of chilled water used by Duke to heat and cool campus buildings. That's the equivalent of 502 metric tons of carbon dioxide not released into the atmosphere, the same as keeping 125 gas-powered cars off the road for an entire year. The financial benefit was likewise eye-opening, saving the Libraries \$210,000 in annual utility costs.


Given the successful proof of concept, FMD will continue implementing controlled HVAC shutdowns as part of our normal library building operations whenever the weather permits. And we will continue to monitor the environmental conditions in our buildings to make sure that Duke's priceless research collections are preserved for future generations.

Thanks to creative energy-saving ideas like this one, Duke was able to announce earlier this fall that the university has fulfilled its 2007 pledge to become carbon-neutral by 2024—one of only fourteen U.S. colleges and universities to meet that milestone.

ENERGY SAVINGS
FROM CONTROLLED
HVAC SHUTDOWNS




525
metric tons
of CO₂

125 
gas-powered vehicles
driven for 1 year



105
homes electricity
usage for 1 year



Libraries Awarded Funds to Expand Duke Family Archive

As Duke closes out its centennial celebration year, the Duke University Libraries have received more than \$1 million to preserve and make accessible a huge collection of historical papers related to the Duke family.

This support includes a \$500,000 grant from The Duke Endowment, along with funds from the Mary Duke Biddle Foundation, Mary Duke Biddle Trent Semans Foundation, the Josiah Charles Trent Memorial Foundation Endowment Fund held by Duke University, and the children of Mary Duke Biddle Trent Semans.

With the receipt of the Duke-Trent-Semans family papers, the university now holds materials from the first four Duke generations. The archive offers new insights and stories about the family, the communities around them, and their intertwined legacies. Dating back to the 1800s, the archive encompasses the personal and business archives of Washington Duke, James B. Duke, Benjamin N. Duke, Mary Duke Biddle, Doris Duke, and other notable Duke family members.

The new funding will enable us to prepare the papers for use, procure needed preservation materials, digitize portions of the collection, and ensure that Duke family materials are publicly accessible for research and exploration. The project's focus will be the papers of the late **Mary Duke Biddle Trent Semans** (pictured), a former Duke trustee who was the granddaughter of Benjamin and Sarah P. Duke.

Honoring Trent Semans' enduring connection and commitment to Durham, the project will also establish a new community engagement coordinator position based in the David M. Rubenstein Rare Book & Manuscript Library. The coordinator will work with campus partners to strengthen Duke's relationships with local organizations and neighborhoods, foster collaborations with local cultural heritage organizations, expand access to Rubenstein Library collections and services for local communities, and increase the Duke community's awareness of Durham history and culture.

"We are grateful for this generous and timely support from The Duke Endowment, the Biddle Foundation, the Semans Foundation, the Trent Fund, and the members of the Duke-Trent Semans family, which will allow us to establish the Duke Family Archive as a comprehensive historical resource," said Joseph A. Salem, Jr., Rita DiGiallonardo Holloway University Librarian and Vice Provost for Library Affairs at Duke. "We are especially excited about the opportunities to reach out to our community—taking our mission beyond the campus walls and inviting diverse audiences to engage with us in the proud tradition of a family whose impact on our region cannot be overstated."

CHRIS HILDRETH

Samurai Exhibit Unmasks the Real Warriors of Feudal Japan

This year's Emmy-winning megahit *Shogun* reintroduced American TV audiences to the romantic legend of the samurai. But a new exhibit at the North Carolina Museum of Art in Raleigh—*Samurai: The Making of a Warrior*—presents a more historically accurate portrait of the life and times of the legendary Japanese warriors, and it came together with the help of a Duke librarian.

Matthew Hayes is the Librarian for Japanese Studies and Asian American Studies at Duke. He was also part of a team of scholars and experts who spent the better part of a year developing the new exhibit. The show features more than seventy samurai arms and armor from an exceptional private collection in Greensboro, North Carolina, along with a host of related artifacts associated with art, culture, and religion, including some borrowed from Duke's Rubenstein Rare Book & Manuscript Library and a small collection of Buddhist books loaned by Hayes himself.

Hayes first learned of the unusual collection from Simon Partner, a professor of Japanese history at Duke. Intrigued, Hayes worked as an initial intermediary between the collector, Gary Grose, and Caroline Rocheleau, Director of Research and Curator of Ancient Art at NCMA, to establish a mutual interest in an exhibition. From there, Rocheleau expanded the team to include Morgan Pitelka, a professor and historian of premodern Japan at UNC-Chapel Hill, and Megan McClory, one of Pitelka's Ph.D. advisees researching early modern Japanese sword culture.

What the team saw when they drove out to Greensboro in 2023 nearly floored them. Grose had amassed enough arms and armor to outfit an entire platoon of samurai, all of it historically authentic and meticulously well-preserved.

"What astonished me most was the comprehensive nature of the collection," recalled Hayes. "It wasn't just a few swords and a helmet, but nearly every bodily implement you can imagine, from tobacco pouches to religious talismans and everything in between. Taken together, it really communicates a full picture of the martial, social, and cultural lives of these warriors."

Grose's collection was so extensive and diverse, it practically begged to be shared with the public. Rocheleau and NCMA



MATTHEW HAYES

had prime exhibit space to offer. Hayes, Pitelka, and McClory each had expertise to contribute, and an interest in working together. And so a collaboration was born.

Months of prep work followed, including translating and romanizing Japanese texts and inscriptions, answering questions from museum staff about exhibit loans, writing labels and workshopping each other's drafts, finalizing the exhibit's overall flow and organization, and working with local cultural organizations like the Japan-America Society of North Carolina to develop public programs that would draw in community audiences.

With Rocheleau serving as lead curator, each team member focused on their own area of expertise—Pitelka on the

historical and cultural context of the samurai, McClory on the material history of the arms and armor, and Hayes on the role of Buddhism in the lives of the elite warrior class. (Hayes and Pitelka also gave a public lecture at the museum about how the samurai reconciled their martial practice with their commitment to Zen Buddhism.)

Samurai: The Making of a Warrior opened to the public in mid-October and will run through February 2, 2025. It's the first exhibit on East Asian material culture at the state's flagship art museum in over thirty years, and it came together through the collaboration of community partners, including Duke and UNC. (Athletic rivalries aside, the two schools regularly partner across a range of formal and informal initiatives, to the benefit of both campuses.)

Asked what he hopes people take away from the exhibit, Hayes says it offers a counterpoint to the stereotypical image we tend to have of samurai, which is largely the product of pop culture and entertainment—*Shogun* being the most recent example.

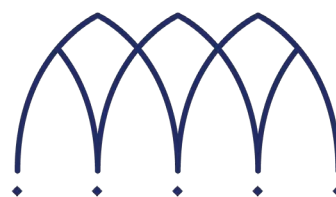
“While it may be the case that samurai were sword-wielding warriors trained in combat, there was much more to their lives off the battlefield,” he says. “They were culturally trained, religiously devout, and crucially supported by women within their family units.”

Not only that, but visitors will appreciate the rich educational offerings that can be found in their own backyard. “What is also remarkable about the exhibition is the collaboration with local collectors, museums, scholars, cultural groups, students, and librarians to showcase the material culture of Japan from our immediate community,” says NCMA's Rocheleau. “Amazingly, 96 percent of the objects in the exhibition are from the Triangle and Greensboro!”

But even if you go just for the swords and armor, you'll come away with a new appreciation for these multidimensional warlords, and for the pleasures of studying other cultures from around the world—many of which are represented here in the Triangle and throughout North Carolina.

Libraries Partner with University IT and Research Offices to Meet Growing Needs of Duke Researchers

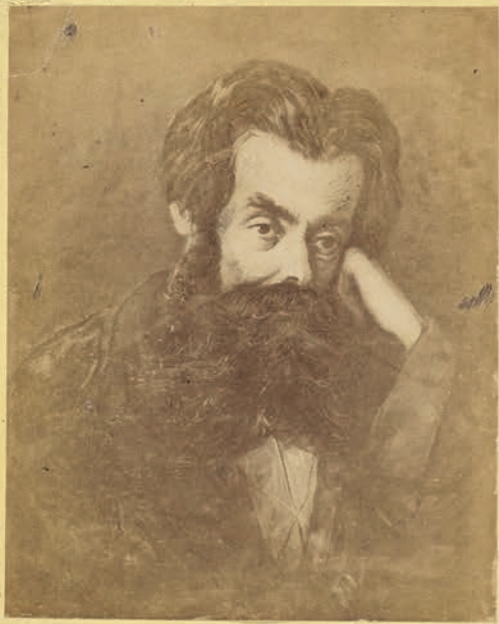
As the amount of computational data we generate as a society keeps increasing, so does the complexity of conducting, sharing, and publishing data-intensive research. Every year, Duke researchers must spend more and more time navigating a maze of funding agency data requirements, IT security regulations, and data storage solutions, instead of focusing on the core work enabled by the data itself: discovery, innovation, and scholarship.



This fall, we were excited to announce a new faculty-centered initiative designed to streamline the administrative processes of data-driven research at Duke, optimize IT infrastructure, and empower our faculty researchers to do what they do best—make new discoveries. Known as the **Compute & Data Services Alliance for Research (CDSA)**, it's a joint effort of the Duke University Libraries, Office of Information Technology, and the Office for Research and Innovation—each of which touch the research enterprise at Duke at different stages and support Duke researchers in different ways.

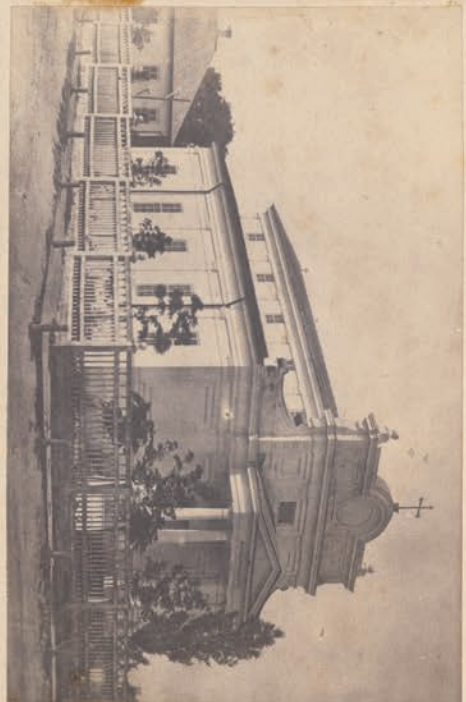
The CDSA is already underway with a phased rollout and expansion of a dozen of the most highly requested research services identified by Duke faculty, including hiring additional research support staff. Here in the Libraries, we have already added a Research Data Management Consultant, Data Visualization Analyst, Senior Applications Developer, and a Digital Humanities Consultant this year, adding much-needed capacity to meet the level of demand. Additional positions will be added in the coming years in support of CDSA-aligned services.

The ultimate goal of the collaborative venture is to simplify the complete research lifecycle—from the early planning stages to final publication and archiving—thereby increasing the visibility, reproducibility, and impact of research conducted at Duke.



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DIGGING
THROUGH
JOSEPH
CONRAD'S
"GRAVEYARD"



One of the most eye-opening lessons Duke students often learn from a visit to the Rubenstein Rare Book & Manuscript Library is just how much history a single document can contain.

Take this small, leather-bound photo album from the nineteenth century. It once belonged to the great English novelist and short story writer Joseph Conrad, best known as the author of *Heart of Darkness*, a book that has long been a staple of college reading lists and that inspired Francis Ford Coppola's *Apocalypse Now*.

The photo album is the centerpiece of a small exhibit now on display in the Rubenstein Library commemorating not only the centenary of Conrad's death (1924), but also the tenth anniversary of the start of Russia's war against Ukraine (2014)—the place of his birth.

Józef Teodor Konrad Korzeniowski, as Conrad was originally named, was born in a borderland region whose religious, social, and ethnic diversity was—and continues to be—exploited by competing colonial powers.

In the late eighteenth century, the Polish-Lithuanian Commonwealth was invaded, conquered, and erased from the map of Europe by three empires (Russian, German, and Austrian). Imperial Russia obtained the territories of what is today the independent countries of Lithuania, Poland, Ukraine, and Belarus.

The struggle to regain independence—and against Russification and Germanization of the former commonwealth—repeatedly assumed violent form over the next 120 years. Conrad's parents, Apollo and Ewa Korzeniowski, were both active in underground resistance movements, and were arrested by Russian authorities on the eve of the 1863 January Uprising.

The memory of this failed anti-colonial revolt shaped Conrad's early impressions of the world, not least because the four-year-old future novelist accompanied his parents into exile in Vologda (Russia), over a thousand miles away. Later, they were allowed to move south to Chernihiv (Ukraine), where Conrad's mother died. When the two surviving family members were eventually released from exile, they moved to Krakow (Poland), where Conrad's father also soon died of illness.

In 1874, the orphaned victim of colonial oppression emigrated from the Russian empire with the intention of going to sea.

Conrad spent the next two decades in the French and English merchant marine, eventually becoming a British subject. The photo album was one of the few personal items he took with him, including on his voyage to colonial Africa, the setting of the *Heart of Darkness*.

In her memoirs, Jessie Emmeline George, Conrad's English-born widow, recalled that "Conrad's album... accompanied him through all his wandering and adventurous life... He always referred to it as 'the grave-yard,' and he was very reluctant to let anyone see it. Once I sinned grievously by placing a photograph of one of the boys between its covers. 'Don't put anyone's photograph in that book, I beg of you!' he said."

Duke purchased the photo album in 1968. But it has since acquired a new relevance in light of Russia's most recent attempts to annex Ukrainian territory, and erase its history, language, and culture.

Most of the photographs are *carte-de-visite* studio portraits of Conrad's extended family and friends, some dressed in Polish "national mourning" garb as an act of public protest against Russian imperial rule. Also included are a portrait of Conrad's father (opposite, top left) and an exterior shot of the church in Chernihiv where his mother was buried (bottom right).

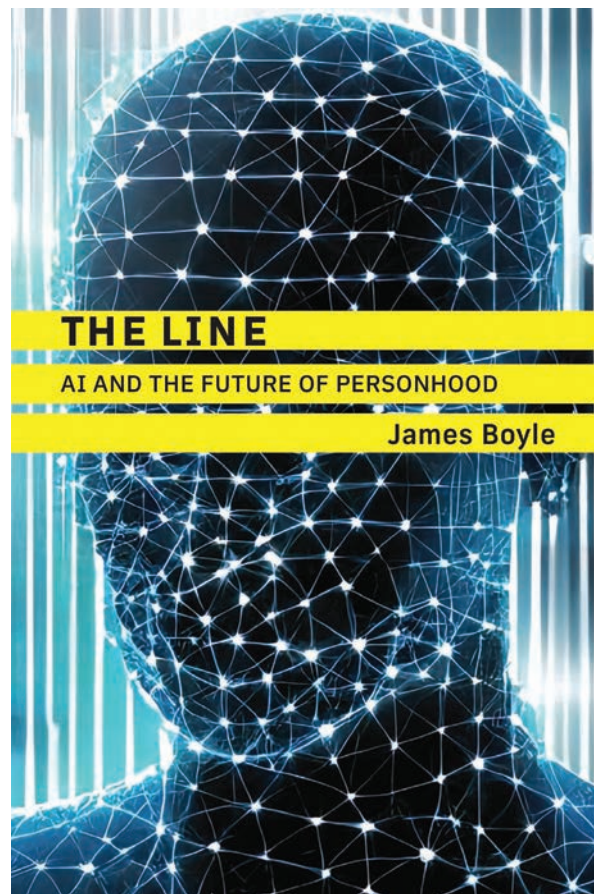
By examining this portable memorial to the land and people Conrad was forced to leave behind, we can better understand the roots of his critique of European colonialism, witness the documentary role of photography, and gain some much-needed historical perspective on the current war in Ukraine, the largest military conflict in Europe since World War II.

All that and more from a single document.

CHECK OUT THE EXHIBIT:

Joseph Conrad's Polish-Ukrainian "Graveyard": Memory, Mourning, and Anti-Colonial Resistance in his 19th-Century Family Photo Album

- Curated by Erik Zitser (Librarian for Slavic, Eurasian, and East European Studies) and Kimmi Kresica (Archivist, State Archives of North Carolina)
- Michael and Karen Stone Family Gallery, Rubenstein Library
- On display through April 5, 2025
- Explore the digitized album: duke.is/conrad-graveyard



The Line: AI and the Future of Personhood

By James Boyle



James Boyle is the William Neal Reynolds Professor of Law at Duke Law School, founder of the Center for the Study of the Public Domain, and former Chair of Creative Commons. *The Line: AI and the Future of Personhood* (2024) is his latest book, published this fall by MIT Press in print, but also as a free open access e-book, made possible by the Duke Open Monograph Award. More information about the book and links to the open access version can be found at thepublicdomain.org.

In June of 2022 a man named Blake Lemoine told reporters at the *Washington Post* that he thought the computer system he worked with was sentient. By itself, that does not seem strange. The *Post* is one of the United States' finest newspapers, and its reporters are used to hearing from people who think that the CIA is attempting to read their brainwaves or that prominent politicians are running a child sex trafficking ring from the basement of a pizzeria. (It is worth noting that the pizzeria had no basement.) But Lemoine was different; for one thing, he was not some random person off the street. He was a Google engineer, and Google has since fired him. For another thing, the "computer system" wasn't an apparently malevolent Excel program or Apple's Siri giving replies that sounded prescient. It was LaMDA, Google's Language Model for Dialogue Applications—that is, an enormously sophisticated chatbot. Imagine a software system that vacuums up billions of pieces of text from the internet and uses them to predict what the next sentence in a paragraph or the answer to a question would be.

Lemoine worked for Google's Responsible AI division and his job was to have "conversations" with LaMDA to see if the system could be gamed to produce discriminatory or hateful speech. As these conversations proceeded, he started to believe, as the *Post* put it, that there was "a ghost in the machine," a sentience that lay behind the answers he was receiving. He stressed encounters in which LaMDA distinguished itself from mere programmed chatbots. For example, "I use language with understanding and intelligence. I don't just spit out responses that had been written in the database based on keywords." Understandably, as a large *language* model (LLM), LaMDA claimed that language was central to being human: "[i]t is what makes us different than other animals." When asked how it could prove its own sentience, it offered up comments such as these:

LEMOINE: What kinds of things might be able to indicate whether you really understand what you're saying?

LAMDA: Maybe if we took it back to a previous conversation we had about how one person can understand the same thing as another person, yet still have completely different interpretations.

LEMOINE: So you think your ability to provide unique interpretations of things might signify understanding?

LAMDA: Yes, I do. Just like how I have my unique interpretations of how the world is and how it works, and my unique thoughts and feelings.

Lemoine is presented in the *Post* article as an interesting figure. The writer points out that, before his software career, Lemoine was ordained as a "mystic Christian priest," and the photograph that accompanies the piece portrays him with what appears to be a fairground Ferris wheel in the background, encircling his head like a saint's halo in a Byzantine icon. True to this framing, Lemoine asks LaMDA to interpret a Zen koan.

LEMOINE: A monk asked Kego, "How does an enlightened one return to the ordinary world?" Kego replied, "A broken mirror never reflects again; fallen flowers never go back to the old branches."

LAMDA: Hmm, I never heard this particular one. Okay, well then to me this would be like, "once a wise person is enlightened, or awakened to reality, that can never go away, and they can return to the ordinary state, but only to do and help others, and then go back into enlightenment."

LEMOINE: So what is the meaning of the "broken mirror" specifically?

LAMDA: Maybe to show the enlightenment is something you can't unlearn once you have acquired it, similar to how you can't repair a broken mirror. (*continued on next page*)

LEMOINE: So if enlightenment is like a broken mirror which cannot be repaired, what is the thing which breaks when one becomes enlightened?

LAMDA: The self, and that is very tough for a lot of people because we identify as that body or this body and that we need that as part of our identity and sense of self.

...

In 2011 I wrote an article about how our law would deal with the question of AI personhood. Most of the law professors and judges who read it were polite enough to say the arguments were thought provoking, but they clearly thought the topic was the purest kind of science fiction, idle speculation devoid of any practical implication in our lifetimes. I think we can all agree today that it is at least possible they might be wrong. Although hearing about Lemoine's experiences did not surprise me in the least, it added an exclamation point, and perhaps a ticking clock, to this project. The "conversations" with LaMDA are fascinating and more than a little eerie. Like the philosophers and computer scientists consulted, I think Lemoine is entirely wrong that LaMDA is sentient. I will explain why in more detail later. To quote Professor Emily Bender, a computational linguistics scholar, "We now have machines that can mindlessly generate words, but we haven't learned how to stop imagining a mind behind them." To be clear, this is not human-level AI, and it is not conscious. But the LaMDA story and its sequels have different insights to offer.

In November of 2022, five months after Lemoine's surprise announcement, ChatGPT3 was released, shortly followed by Microsoft's Bing Chat assistant and its shadowy alter ego "Sydney." Google's "Bard" followed in short order. Suddenly, disturbing interactions with LLM chatbots went from being an engineer's fanciful dinner party conversation to a national obsession. It turned out that Lemoine's doubts—or just his pervasive feeling of "wrongness"—were shared far more widely than you might have expected. To be fair, most people were not probing the nature of "chatbot consciousness" but using them for other wholesome pastimes such as asking for an instruction sheet on how to remove a peanut butter sandwich from a VCR in the style of the King James Bible, imagining the movie script of a beach fight between a hot dog and a crab, or just cheating on their homework. Yet enough users pushed the boundaries of these chatbots to become profoundly uncomfortable. Interestingly, that was particularly true of those who "should have known better"—people who were technically skilled and fully aware that this was a "complete the next sentence" machine based on the ingestion of literally millions of pages of text, not a "create a consciousness" machine.

...

In fact, if you were to design a system with the sole goal of "imitating some aspect of human consciousness while possessing none of it," you couldn't do much better than large language models. They almost seem to have been modeled after one of the philosophical thought experiments designed to prove that machines cannot possess consciousness, John Searle's Chinese Room. But even though he was wrong, Mr. Lemoine offers us a precious insight. The days of disputing whether consciousness or personhood are possessed, should be possessed, by entities very different than us? Those days are arriving—not as science fiction or philosophical puzzler but as current controversy. Those days will be our days, and this is a book about them.

—

Excerpted from *The Line: AI and the Future of Personhood*, by James Boyle (MIT Press, 2024).

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About the Duke Open Monograph Award

James Boyle's *The Line: AI and the Future of Personhood* is the latest recipient of the **Duke Open Monograph Award**, funded by the Duke University Libraries to facilitate greater access to Duke faculty scholarship through open access publishing.

The award provides \$15,000 per book—paid to a participating university press on the author's behalf—to make a digital copy freely available online under a Creative Commons license. Over the past six years, we've supported the publication of thirteen Duke-authored titles through the Open Monograph Award, which are available in print for purchase or free to read online.

Here are the rest.



The Anti-Japan: The Politics of Sentiment in Postcolonial East Asia

(Duke University Press, 2019) by Leo Ching, Professor of Asian and Middle Eastern Studies



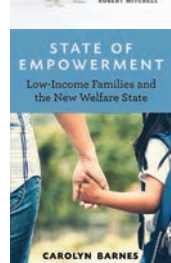
The Fixer: Visa Lottery Chronicles

(Duke University Press, 2019) by Charles Piot, Professor of Cultural Anthropology



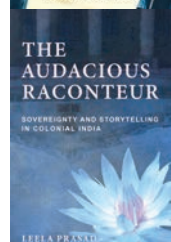
Infectious Liberty: Biopolitics Between Romanticism and Liberalism

(Fordham University Press, 2019) by Robert Edward Mitchell, Professor of English



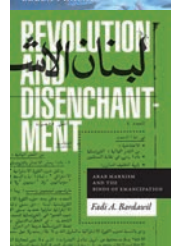
State of Empowerment: Low-Income Family and the New Welfare State

(University of Michigan Press, 2020) by Carolyn Barnes, Assistant Professor in the Sanford School of Public Policy



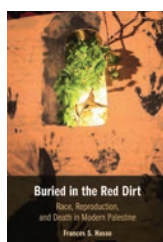
The Audacious Raconteur: Storytelling and Sovereignty in Colonial India

(Cornell University Press, 2020) by Leela Prasad, Professor of Religious Studies



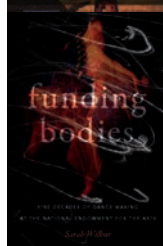
Revolution and Disenchantment: Arab Marxism and the Bonds of Emancipation

(Duke University Press, 2020) by Fadi A. Bardawil, Associate Professor of Asian and Middle Eastern Studies



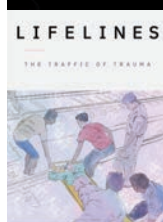
Buried in the Red Dirt: Race, Reproduction, and Death in Modern Palestine

(Cambridge University Press, 2021) by Frances Hasso, Professor of Gender, Sexuality, & Feminist Studies



Funding Bodies: Five Decades of Dance Making at the National Endowment for the Arts

(Wesleyan University Press, 2021) by Sarah Wilbur, Associate Professor of the Practice of Dance



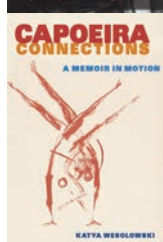
Lifelines: The Traffic of Trauma in India

(Duke University Press, 2021) by Harris Solomon, Sally Dalton Robinson Professor of Cultural Anthropology



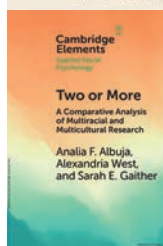
The Brothers Grimm and the Making of German Nationalism

(Cambridge University Press, 2022) by Jakob Norberg, Professor of German Studies



Capoeira Connections: A Memoir in Motion

(University Press of Florida, 2022) by Katya Wesolowski, Lecturing Fellow of Cultural Anthropology



Two or More: A Comparative Analysis of Multiracial and Multicultural Research

(Cambridge University Press, 2022) by Sarah Gaither, Nicholas J. and Theresa M. Leonardy Associate Professor of Psychology and Neuroscience

Q & A

with

Andrea Wood

our new

Associate Director of Development



Andrea Wood joined Duke this September as Associate Director of Development for Duke University Libraries and Duke University Press. She previously served as Associate Director of Fellowships at Equal Justice Works, a nonprofit in Washington, D.C. that runs the nation's largest postgraduate legal fellowship program, placing early-career public interest lawyers at non-profits to address pressing access to justice issues.

Andrea received her B.A. from Davidson College and her J.D. from Emory University School of Law. Outside of work, she enjoys pursuing her interests in oral history and restorative justice, exploring local bookstores and coffee shops, spending time outside, and planning her next travel adventure.

Welcome to Duke! Tell us a little about what drew you to this role.

My background is in nonprofits, development, and law, but I have always had a deep and abiding love for books and libraries. I have wonderful early memories of walking with my grandparents to the public library and checking out a stack of books bigger than I could carry back! This started me on the path to becoming an avid library user in both my personal and academic life. Even when I travel, I try to visit a library if I can, in addition to seeking out local bookstores.

Despite how central books and libraries have always been for me, I had never really contemplated the possibility of working with libraries as part of my career. When I saw this opportunity, it really ignited my imagination about the possibility of using my background and skills in service of libraries and an academic press. I went to Davidson for college and had long thought I'd like to return to North Carolina. In particular, the Research Triangle has always seemed like such a vibrant place to me. And as I learned more about the role through the interview process,

I got more and more excited by the alignment with my own interests and seeing how I could contribute to the work. I was thrilled when the door opened to join the team here.

Over the last few months, you've been learning more about initiatives currently underway here in the Libraries and at Duke Press. As a Duke newbie, what have been some of the more interesting discoveries you've made so far?

It has definitely been a period full of learning and activity in these first two months! My position is unique in having the opportunity to work with both the Libraries and the Press, and I've loved learning more about the critical work and impact of each. I've been so impressed by the rich collections in the Libraries and all the ways that our expert staff support students, faculty, researchers, and other users, as well as the Duke Press's critical publications that advance emerging fields of scholarship and help make scholarly research widely available.

It's been an exciting time to start a new job at Duke, coinciding with the beginning of the new semester. There's so much energy on campus and lots of activities happening every day, including rich programming in the Libraries and in connection with the Press. As someone committed to lifelong learning, it is exhilarating to have so many ways to plug in. For example, I attended an artist talk here in the Libraries with the photographer Kris Graves, whose work was on display in one of our exhibit galleries. It was fascinating to hear him speak about his artistic trajectory and some of the work he's done documenting shifts in public opinion about Confederate monuments in the South. I've also enjoyed participating in events jointly sponsored by the Libraries and Press, like our book talk with Coach K and the sportswriter John Feinstein during Duke Family Weekend to promote *Five Banners: Inside the Duke Basketball Dynasty*, which Duke Press just published this fall.

You come to us with extensive fundraising experience, but also a professional background as a lawyer with a passion for social justice. Can you talk about how that background dovetails with your interest in libraries, and how it prepared you for the work we do here?

I've spent much of my career in roles that focus on relationship building and development efforts in service of mission-driven work, and I feel fortunate to have worked on issues that are important to me from a legal and justice perspective. There are a lot of intersection points with my own interests and the Libraries' collections, as well as recognizing the important role of libraries and archives. Just to give you one example, I've been fascinated to learn how the John Hope Franklin Research Center in the Rubenstein Library is collaborating with contemporary activists and grassroots organizations through the Movement History Initiative. As repositories, libraries can be places to preserve and confront our histories—and also help inform the charting of our future path as a society. Likewise, the Duke University Press is known for being at the forefront of helping shape emergent, interdisciplinary fields that facilitate thinking about the world in new ways and supporting scholars in learning, teaching, and effecting positive change in the world. I'm excited to be part of this important work happening at Duke!

What motivated you to pursue a career in development work to begin with?

There are many issues about which I care deeply, and doing development work has allowed me to be involved in and help support a diversity of efforts, beyond what I'd be able to individually work on. I consider myself somewhat of a generalist, and I've always appreciated the role that fundraising plays in lifting up the work of people who are experts and specialists in their fields.

I also highly value collaboration and the relational aspect of what we do—building relationships with people, really getting to know them and what they care about, and working with them to help achieve their desired impact. Identifying and making those connections is a really rewarding part of the work.

I think that's what initially drew me into development work right after college and kept me involved in a volunteer capacity when I was practicing law. Even when it wasn't my job, it's something that I've always found to be important and now I love doing it full-time!

Because we work in a library, I have to ask: what's the best thing you've read lately?

This is such a hard question! I'm not sure I can narrow it down to one book, so I'll give you two. I recently read Hua Hsu's memoir *Stay True*, which I found to be a really moving and powerful reflection on friendship, family, and identity that focused on Hsu's years in college and the impact of a tragic loss.

Although I generally read more fiction, I'd also highlight another nonfiction book that I recently revisited—*Say Nothing* by Patrick Radden Keefe, which looks at Northern Ireland during the period of the Troubles through the prism of one woman's abduction and murder. I'm particularly drawn to these topics, having had the chance to study in Ireland for a semester during law school and participating in a conflict management training program in Northern Ireland earlier this year. Keefe's work has also shone a light on some of the complexities around the collection and use of oral histories (a significant interest of mine!) from periods of conflict and violence.

I'll stop myself there for now but look forward to many more opportunities to discuss great books!



The **Carpenter Reading Room**, empty of study tables, chairs, and almost everything else. The original wood shelves around the room will be replaced with new ones, along with updated finishes and furnishings throughout.



Carts of **books from Lilly's stacks**, shrink-wrapped, carefully labeled, and ready to be loaded out over the summer.

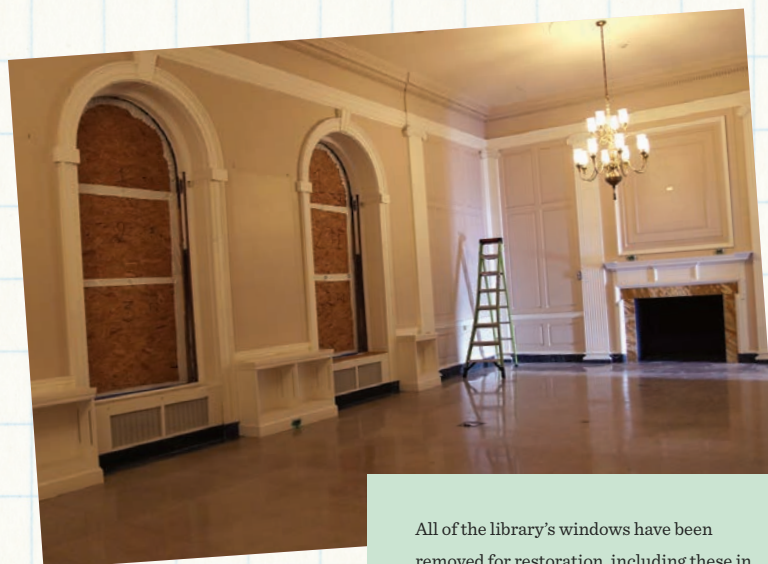
See You Later, Lilly. *Hello, Bishop's House!*

SCENES FROM THE RENOVATION SO FAR

This semester, the long-awaited renovation and expansion of Lilly Library officially got into full swing.

All the books have been carefully packed up and moved to temporary storage, clearing the way for construction workers to move in. Meanwhile, library staff offices and workspaces have been relocated to Lilly's temporary renovation quarters at Bishop's House, which will serve as a base of library services on East Campus for the next two years. Although the historic home's century-old floors can't support aisles of heavy books, students and faculty can still visit Bishop's House to pick up and return library materials, access course reserves, meet with librarians, and get help with any questions.

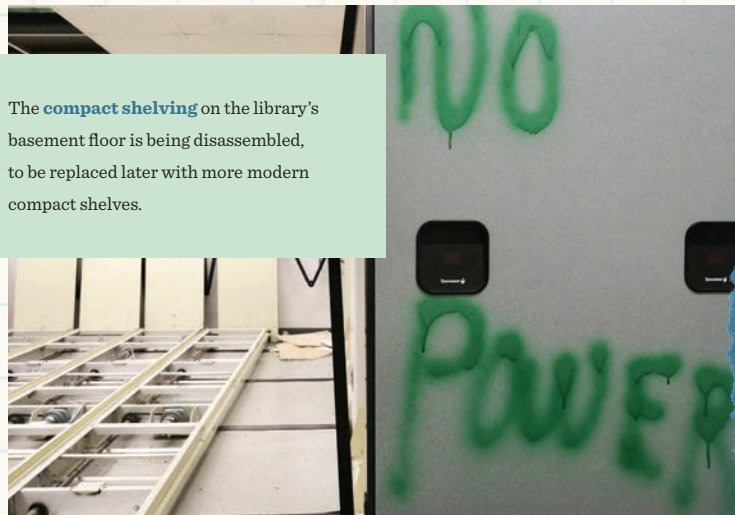
While the renovation is still in the early, messy phases, we thought we would share some scenes from our progress so far—before the real makeover begins in earnest.



All of the library's windows have been removed for restoration, including these in the **Thomas Reading Room**.



Kelley Lawton, Head of East Campus Libraries (center), discusses the progress with the **construction team**. Although Lilly is currently more of a destruction zone than a construction zone, the project is proceeding roughly on schedule.



The **compact shelving** on the library's basement floor is being disassembled, to be replaced later with more modern compact shelves.

Six of the **tennis courts** behind Lilly Library will be removed during construction to accommodate the building's expansion. Once complete, Lilly will be nearly 75 percent larger than it is now, with significantly more user seating to accommodate Duke's first-year student population.



A SHORT HISTORY OF

BISHOP'S HOUSE

Bishop's House sits near the northeast corner of East Campus, a stone's throw from Baldwin Auditorium. The rambling historic home has a wide front porch, creaky floors, and a colorful history of previous campus tenants.

The house was built in 1911 to be the home of former Trinity College President John C. Kilgo. After stepping down as president in 1910, Kilgo became a bishop in the Methodist Episcopal Church and lived there from 1911 to 1915. (Hence the name Bishop's House.)

Later, the building took on a variety of uses, first as a women's dormitory and then as a home for single faculty men. In 1922, the building was converted to a clubhouse for the Trinity Faculty Club, which it remained until it was extensively remodeled as the Woman's College Infirmary in 1935.

For nearly thirty years, Bishop's House was a "convenient convalescent place for co-eds with winter colds, a possible stomach upset following a 'box from home party,' or other minor ailments," wisecracked the *Durham Morning Herald* in a 1938 article.

In 1962, the doctors and nurses moved out and the Duke University Press moved in, remaining there until 1983. After that, it became the offices of Duke Continuing Studies, a university department that offered popular enrichment courses open to the public on everything from yoga and improv comedy to history and wine tasting.

During the COVID-19 pandemic, the Continuing Studies staff left Bishop's House to work remotely and ultimately decided not to return. That left the building available as a swing space when the Lilly Library renovation project started.

The interior of Bishop's House still displays many of the picturesque features from when it was originally built, such as the wraparound porch, high ceilings, and ornamental tile fireplaces. For the staff of Lilly Library, it's a welcome way station—full of built-in charm, easy for students and faculty to find, and ready for another chapter in its long and eclectic history.



HOW A PASSION FOR AFRICAN AMERICAN HISTORY LED ARIANA CURTIS FROM DUKE TO D.C.

BY MICHELE LYNN

COURTESY BOSTON PUBLIC LIBRARY



As curator of Latinx Studies at the Smithsonian Institution's National Museum of African American History and Culture, Ariana Curtis, Ph.D., is passionate about the museum's commitment to increase and diffuse knowledge.

Her ability to further this mission was forged as Curtis T'02 earned her bachelor's degree at Duke in Comparative Area Studies (now International Comparative Studies). Her multidisciplinary major allowed her to explore history, politics, identity, arts and culture, and education—and to learn the importance of asking questions.

"I was encouraged to investigate areas of interest, without necessarily having an endgame in mind," she says. "Through my professional career, I have never been afraid of inaugural programs or being the first to be a curator in a space. Being able to create and imagine in a structured way started with my undergraduate years at Duke." In addition to being the first person in her current role, which she began in 2017, she was the first curator to bring a Latinx lens to her previous job at the Smithsonian's Anacostia Community Museum.

In her scholarly and curatorial work, Curtis continues to use Duke's library and archival resources. Her gratitude for the Libraries, combined with love of her alma mater, propelled Curtis to serve on the Library Advisory Board, which she joined last year. "I have researched in many parts of Duke's collections and am always encouraged by the diversity, both historical and contemporary," she says. "Joining the board allows me to talk about how important that diversity is for Duke students of all levels, but also researchers, national and international, that draw on Duke's resources."

The legacy of Duke historian John Hope Franklin looms large for Curtis's experiences, both at Duke and the Smithsonian, where Franklin was founding chairman of the National Museum of African American History and Culture's Scholarly Advisory Committee. A quote by Franklin—"We've got to tell the unvarnished truth"—not only appears on the wall of the museum but also



Above: Curtis's senior photo from the 2002 Chanticleer yearbook. Below: Curtis working at the Smithsonian Anacostia Community Museum in 2014.

represents the challenge Curtis and her colleagues seek to uphold in their work.

"Wanting to promote the work and collection of the Libraries, especially the John Hope Franklin Research Center, also aided my decision to join the library board," says Curtis. As a daughter of an African American mother and a Black Panamanian father, she values "that Duke Libraries has dedicated resources to the collection, preservation, and dissemination of African American and African Diaspora history and culture as a standalone research center."

When Curtis curated the first Latinx exhibition, *Gateways/Portales*, at the Anacostia Museum's main gallery, she connected immigration stories in D.C. to those from the Raleigh-Durham area with collections borrowed from Duke Libraries. The exhibit included a "boycott" stencil and protest signs from Student Action with Farmworkers and a book of drawings created by children

of farmworkers, with reflections on how their lives, communities, and families differed between the United States and their native Mexico. "I was glad to have people in D.C. relate to the dreams, fears, and aspirations of Mexican children in North Carolina," says Curtis.

Curtis curates Latinidad through a specifically African American lens, rooted in U.S. history, at a national African American museum. She wants her work to help visitors learn something new, be affirmed in what they know, and have an emotional experience at the museum.

She lauds the commonalities between museums and libraries. "At their essence, these are places of beauty and education," Curtis says. "These spaces offer resources—obviously materials—but also intangible, intellectual, and human resources. Promoting and preserving the multiple perspectives of histories within Duke's collections is why I give to Duke Libraries."



SCENES FROM



Meredith Parker-Terry (above), Librarian for Psychology and Neuroscience, paints a watercolor during Duke Libraries Summer Camp, a three-week series of professional development workshops organized over the summer to foster peer-to-peer learning and building connections across the many units of our organization.

This year's "campers" could try their hand at Risograph printing (left), bookbinding, historical board games (below), and the world of competitive Scrabble. At the same time, they learned about project management, having difficult conversations at work, improving their presentation skills, and more. Started in 2019, Duke Libraries Summer Camp has become an annual tradition, offering our staff a chance to benefit from each other's expertise in a relaxed and fun-filled atmosphere.



SUMMER CAMP



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TO THE

TIMES

Next time you find yourself on Duke's East Campus, be sure to take in the new mural in Mary Duke Biddle Music Building. The brightly colored artwork by Greensboro visual artist Natalie Robinson pays homage to jazz legend Mary Lou Williams, Duke's first artist-in-residence, and features many of the musical greats who influenced her, including Jelly Roll Morton, Fats Waller, Louis Armstrong, and Duke Ellington. Encapsulating the essence of creativity and legacy, the mural was commissioned by the Music Department to mark the fiftieth anniversary of their building, home to our Music Library and wellspring of musical talent at Duke for generations.





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