STAY CONNECTED
A Newsletter for Morgan Library Friends and Supporters

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COLORADO STATE UNIVERSITY
MORGAN LIBRARY
“When You Have Eliminated the Impossible, Whatever is Left, However Improbable, is the Possible.” – S. Holmes

Currently, many institutions are ramping up their Learning Analytics environments, in an attempt to “play the educational Moneyball game.” The reference is to the Brad Pitt movie that describes how the Oakland A’s hired an Ivy League statistician to analyze and direct their hires. It was so incredibly fruitful that the A’s advanced to the postseason with one of the lowest salaries in baseball. Indeed, it was this activity that transformed the world of all sports to an over-reliance on statistics. In baseball, it was this activity that led to the A’s advanced to the postseason with one of the lowest salaries in baseball. Indeed, it was this activity that transformed the world of all sports to an over-reliance on statistics. In baseball, it was this activity that led to the A’s advanced to the postseason with one of the lowest salaries in baseball. Indeed, it was this activity that transformed the world of all sports to an over-reliance on statistics.

The intent of using data to improve learning. Moneyball to play “educational analytics” with the topic. We, at CSU, are positioning ourselves and devote more time to the course; and 3) unlikely to succeed (have them talk to an adviser about a different curricular path through a more remedial course or potentially a different major). We will then complement the predictive analytics with observations of student behaviors, during the first several weeks of the course. We are working with Unizin, a consortium of 11 large research universities, to determine the major variables influencing learner success, allowing a computer-generated “intervention” as needed that could be reviewed and released by an adviser, very similar to the Early Grade Feedback already done manually in many freshman courses at CSU.

There is much more to communicate about this activity, but I have already exhausted my allotment of space.

Patrick Burns
Vice President for Information Technology and Dean of Libraries
Colorado State University
During Water Tables 2016, the Colorado water community raised more than $26,000 to support the Water Resources Archive and its work to preserve Colorado’s water history. The event’s theme, “The Historic One Hundred,” also celebrated a milestone achievement for the Archive – receiving 100 collections since its beginning in 2001.

Held Jan. 28 at the Hyatt Regency Denver Tech Center, Water Tables 2016 included a reception, a keynote speaker, and a discussion over dinner and dessert. To kick off the night, the Archive partnered with the Colorado Water Congress to hold a joint reception in the Hyatt’s top-floor Centennial Room. One of Colorado’s famous sunsets over the Front Range provided the backdrop for an hour of conversations among engineers, lawyers, students, and other water professionals.

Next, guests moved downstairs for dinner, where they took their pre-selected seats at one of the 21 hosted tables. The table hosts led discussions of the people and organizations represented in the Archive’s 100 collections. The hosts included state climatologist Nolan Doesken talking about the Climate Data Collection, irrigator Richard Seaworth discussing the North Poudre Irrigation Collection, historian William Wright discussing the Colorado Water Conservation Board, the night’s platinum-level sponsor, joined 26 other generous individuals and organizations to make the event and the Archive’s continuing work possible. These sponsors also enabled 18 students from Colorado State University, the University of Denver, and the University of Wyoming to attend.

Will Wright, a table host and student of the Getches-Wilkinson Center for Natural Resources, Energy, and the Environment at the University of Colorado and the former assistant secretary for water and science at the U.S. Department of the Interior, used his talk to identify “security blankets” Colorado’s water community has relied on in the past that she believes are now wearing thin. Her speech elicited cheers from some guests when she discussed the paradox of battling over small percentages of water while relying on data with known error rates.

Approximately 170 people attended Water Tables 2016. The Colorado Water Conservation Board, the night’s platinum-level sponsor, joined 26 other generous individuals and organizations to make the event and the Archive’s continuing work possible. These sponsors also enabled 18 students from Colorado State University, the University of Denver, and the University of Wyoming to attend.

Will Wright, a table host and student pursuing a master’s degree from Colorado State University’s Department of History, benefited greatly from the evening. “For someone like (me) who has pursued a substantive contribution to thinking about how we manage water,” said attendee Michael Weeks.

Anne Castle’s talk was a substantive contribution to thinking about how we manage water,” said attendee Michael Weeks.

The presentation room at the Hyatt Regency Denver Tech Center.

Tables was a great way to link the collections with the people who have graciously donated them. And, as a young water scholar, I thoroughly enjoyed drawing from the immense knowledge and expertise of other attendees at the event,” Wright said. “In the end, it’s all about the relationships you build from people to people, and people to water.”

Thank you to everyone who made Water Tables 2016 a success! Stay tuned for information about the Water Resources Archive’s next event, the Western Water Symposium and Barbecue, to be held July 25 in Fort Collins.

By: Clarissa J. Trapp and Krystle Ervin

Save the date! July 25.
Events & Accomplishments

As Told By Bill Bryson: Laughs, Stories, and Adventures
By: Christina Vessa

As an international author, Bill Bryson said he can’t keep count of all the countries he has visited. However, the one thing he misses the most about America is the craft brewery scene. He thinks Fort Collins is “spoiled for choice” with its 20-plus craft breweries around town.

On March 6, the New York Times No. 1 best-selling travel author discussed his newest book, The Road to Little Dribbling, as well as his book-turned-movie about hiking the Appalachian Trail, A Walk in the Woods. From tales about bad experiences in British McDonald’s restaurants to making jokes about his fear of bears, Bryson brought laughs throughout the crowd of more than 700 guests who were gathered in the Lory Student Center Grand Ballroom.

Bryson grew up in a journalism-filled environment, with both parents working for the Des Moines Register. He started working at the paper on his 16th birthday and said it was the best time ever. Bryson began travel-writing out of necessity as a young father in Britain.

“When we had kids and needed money for small things like washing machines, I started travel-writing,” Bryson said. He began writing full time in 1987. Since then, Bryson has not only published several books, but has also held positions such as chancellor at Durham University and Honorary Fellow of the Royal Society.

“(Being a chancellor) is a little bit like being the queen,” Bryson said. In England, an outsider is the head of the university, while the role of vice chancellor is held by its top academic figure.

When recalling his travels along the Appalachian Trail, Bryson said he regrets not finishing the last 100 miles. He’s not interested in another long hiking expedition, but he would happily consider going camping for a few days.

“To my mind, if you’re going to go out into the woods and wilderness, sniff it. Touch it. Experience it,” Bryson said.

New Technologies

3-D Printing: Shaping the Future
By: Christina Vessa

From 3-D-printed ukuleles to a project that enabled a man to walk again, the 3-D printers around campus provide both application and utility to users.

Members of the Colorado State University and Fort Collins communities bring their ideas to life using the 3-D printers and scanners on campus. With the sole requirement of a 3-D printing introduction course, these technologies are a fast-growing resource at CSU. “It’s a way to bring your imagination into the real world,” said Blake Johnson, a student who often uses the printers. For someone who has never used a 3-D printer, the process takes three steps, says David Prawel, a mechanical engineering professor who oversees one of the 3-D printing labs at CSU.

1. Attend a free training session in the Morgan Library Event Hall to learn basics and safety for the 3-D printers.
2. Use a 3-D printer to become familiar with the printing and designing process while making your first print.
3. After and create your own designs to customize the prints and take your product to the next level.

3-D printing has grown across campus and in the community since the Idea2Product lab’s establishment a few years ago in the Engineering Building. As the lab’s popularity increased, a 3-D-printing station was set up in the Morgan Library, further implementing these future technologies into a learning environment. Education turned to innovation for community members who began using the library’s printer and taking introductory courses in Fall 2015.

About 35 percent of engineering jobs now require 3-D printing and scanning experience, Prawel said. These 3-D technologies provide a resource for both the local and international communities.

“Right now, it’s kind of a tinker’s toy. But, 3-D printing is moving into space, and I think it will eventually move into hitting ‘control P’ and printing anything you want,” said Brett Goldfarb, a student who uses the Idea2Product lab.

At the World Cup in 2014, a disabled man who can’t walk, was able to kick the first ball using an exoskeleton suit that controlled his movement. After receiving scans of the man’s head, a team at CSU 3-D printed the customized helmet, which was made from a polymer that resembled rubber. The CSU team also created a liner that protected the electrodes inside the helmet. “This was not invasive; this was the person thinking they wanted to move their leg and moving their leg,” Prawel said. “I will never forget being part of that project. Wow, what a story!” There were almost 300 scientists around the world who worked on this project, but the CSU team never met anyone else because all of their communication was done through the Internet.

Prosthetic hands and upper body support projects have also come from the 3-D printers at CSU.

Stay Connected to learn More about 3D Printing:

http://lib.colostate.edu/about/news/2016/3d-printing-classes

The Walk Again Project:

http://magazine.colostate.edu/issues/feature/walk-again

3-D printed traffic cones

(left) Rick Miranda, Kathy DuQuoin, Howard CooperSmith, Elizabeth Carroll, Holly Carroll, Cindy CooperSmith, Bill Bryson, Carol Geertsch, Sarah Flick, Pat Burns, Marcia Burns.

(left) Morgan Library Event Hall
The Curriculum Collection supports the studies of future sixth- through 12th-grade teachers. The intent of the collection is not to simply be prescriptive (students should read certain titles), but to be descriptive of what students are actually reading. Thus, in addition to award-winning titles selected by teachers and librarians, the collection includes titles chosen by adolescents themselves. This is important because the adults in young peoples’ lives need to be aware of the types of materials their students/readers are reading in order to better guide them into adulthood. This collection also has adult books that appeal to teens. A collateral advantage of this particular collection of books, is that recent years of young adult titles have been spectaculair. So spectacular, in fact, that adults are eagerly reading them, not just at Colorado State University, but nationally.

One group in Iowa is called “YA Fiction Addicts,” Georgia has a “Young (Adult) Book Club,” and, in New York, a “Young @Heart Book Club.” “Forever Young Adult” has branches around the country, as well, including in Colorado. Therefore, it is no surprise that the Curriculum Collection is popular with students, faculty, and staff at CSU. Given that these titles tend to be shorter, it is possible that they were read in one sitting, at least. The second most popular title is some work of fiction, as expected. The Collection also supports a special collection in support of future sixth- through 12th-grade teachers. The intent of the collection is to be descriptive of what students are actually reading. Thus, in addition to award-winning titles selected by teachers and librarians, the collection includes titles chosen by adolescents themselves. This is important because the adults in young peoples’ lives need to be aware of the types of materials their students/readers are reading in order to better guide them into adulthood. This collection also has adult books that appeal to teens. A collateral advantage of this particular collection of books, is that recent years of young adult titles have been spectaculair. So spectacular, in fact, that adults are eagerly reading them, not just at Colorado State University, but nationally.

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In the Information Age, we’ve come to value access to digital information more than physical items. That is certainly the trend among academic library users. Books are good, but electronic versions have more currency in the digital world. Although the Internet has vastly expanded the amount of information available to us, the bits and bytes that form words and images online cannot capture the full experience of being in the presence of genuine artifacts.

The Myra Monfort and William Runyan Music Collection in Morgan Library’s Archives & Special Collections is an outstanding example of the intrinsic value of authentic items.

The Monfort-Runyan Music Collection was established in 2005 with a generous gift from the Monfort Charitable Trust. Myra Monfort, a former attorney and regional philanthropist, and her husband, Dr. William Runyan, an associate professor emeritus and former chair of CSU’s Department of Music, are building a collection of rare materials for music scholars. The collection focuses on music theory and history, and contains original books and music scores from the 17th, 18th and 19th centuries. In research parlance, those are primary sources.

The collection includes a first edition from 1725 of Gradius ad Parnassum, Johann Joseph Fux’s important work on counterpoint; a second edition from 1769 of Grundriss der Violinschule, Leopold Mozart’s work on violin instruction that includes the first printed reference to Wolfgang Amadeus Mozart; and a first edition from 1752 of Versuch einer Anweisung die Flöte, which is Johann Joachim Quantz’s work on flute playing and construction. The earliest work in the collection is Marcus Melbomius’ Antiquae Musices Auctores Scriptorum, a two-volume work on ancient Greek music published in 1652. The rarest piece is the Johann Sebastian Bach score, 48 Préludes et Fugues from 1802.

Beyond the significant monetary value of these materials, primary sources such as music scores, books, letters, diaries, journals, etc., have physical qualities that can be challenging to glean from second-hand accounts.

That’s something that Assistant Professor K. Dawn Grapes wants the master’s degree students in her Methods of Music Research course to experience firsthand. During the fall semesters of 2014 and 2015, her classes surveyed selected volumes from the music collection. Students wrote short essays that included insights into the significance of the work, in-depth bibliographical information, hands-on physical descriptions of the materials accompanied by photographs, and noteworthy publishing details, all of which attest to the historical relevance of music theory for today’s scholars.

“Seeing the physical attributes of those original artifacts is important,” says Grapes. “The size of a piece, for example. Is it small so it can be carried in your pocket, or is it a large book that could be placed on a lectern for several people to gather around? Some of the books have fold out diagrams in the back – as opposed to modern editions that often incorporate musical figures and examples into the text – and that affects how you use them.”

When building the collection, Runyan has an eye for the right kind of pieces to add. “Bill Runyan used to teach Methods of Music Research when he was a professor in the music department, so he knows the educational value of each piece,” says Grapes.

In the end, the students had a personal encounter with history and the Information Age got something too. “The student projects are not just something we put on the website,” said Grapes. “They make the collection more accessible and more visible to everyone – at CSU and around the world.”

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By: Bruce Hallmark

Cover of 48 Préeludes et Fugues by Johann Sebastian Bach, 1802.
STAY CONNECTED

MORGAN LIBRARY UPCOMING EVENTS:

**MAY EVENTS**

Mary Kubica  
Author Event  
**May 18**  
The Hilton Fort Collins

**JULY EVENTS**

Western Water  
Benefiting the Water Resources Archive  
**July 25**  
Morgan Library

**AUGUST EVENTS**

Disney Institute  
Quality Service  
**Aug. 4**  
Morgan Library

May 1: 10 a.m. to 2 a.m.  
May 2-6: 7 a.m. to 2 a.m.  
Mar 7: 9 a.m. to 2 a.m.

May 8: 10 a.m. to 2 a.m.  
May 9-12: 6:30 a.m. to 2 a.m.  
May 13: 6:30 a.m. to 5 p.m.  
May 14-15: 11 to 5 p.m.