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Soon after I was appointed interim dean of CSU Libraries on July 1, 2008, Tony Frank, Peter Dorhout, and I visited Brian Hawkins, then president of EDUCAUSE, to seek his perspective on the history, present status, and future of academic research libraries. Brian had held many leadership positions, including IT, provost, and president of several distinguished institutions. Brian was very well respected by the higher education community, and also by us, based upon our past interactions with him. The first reading he assigned me was his article, The Unsustainability of the Traditional Library and the Threat to Higher Education (www.colostate.edu/~pburns/LibraryUnsustainability.pdf).

The graphic from that article, reproduced below, shows a normalization of Association of Research Libraries budgets from 1981 to 1995. The lower curve is the Consumer Price Index, and the upper curve is the 12 percent growth in the costs from the publishers. In the early 1980s, libraries typically ordered journals by individual title, one title at a time. The curve between these two curves shows ARL's budget growth through 1995. ARL libraries tried to keep up with rising costs from the publishers. The fix in the late 1990s was the introduction of “the big deal” by publishers, where publishers aggregated a large number of journal titles. At that time, libraries were able to obtain additional funding to gain significantly more content via these newly emerging “big deals.”

Now, more than 20 years has elapsed, and the title of this article indicates that libraries are, once again, in an unsustainable position regarding our collections costs – it is “happening again!” Unfortunately, many aspects exist in confluence that allow publishers to elevate their costs every year – typically far exceeding our budget increments as libraries: (1) publishers add new titles every year, often by buying out smaller publishers and elevating their costs; (2) titles are added without input from us, the consumers, allowing publishers to claim we are getting better value for our elevated costs – even though often such titles are neither the ones we need nor even want; and (3) the big deals have gotten “too big to fail.” As an example of this, last calendar year, we conducted an experiment and canceled one “big deal,” from Mary Ann Liebert, where we had been purchasing access to its package of 64 total titles at a cost of $45,168/year to yield a savings of only $9,450/year (21 percent), we had to reduce the order to 16 title-by-title orders of the original 64 (a 75 percent reduction).

We are now seeing this calendar year that we should add a couple of the titles that were canceled, as our Interlibrary Loan costs are unexpectedly high.

I have written on this topic before in Summer 2015’s Stay Connected. But, now, I have data from 88 of the approximately 115 ARL libraries, as to their collections budget needs for Fiscal Year 2017. The graphic illustrating these responses, presented above, indicates that about only one in seven ARL libraries is in good shape, with full inflationary increases plus some funding for additional collection needs. About one in seven is expecting a full inflationary budget, but all libraries have needs for collections exceeding that for only inflationary increases, indicating unfunded needs. Moreover, nearly 40 percent are not expecting full inflationary funding, about 24 percent expect no inflationary funding at all in their collections budgets, and about 9 percent are expecting reductions in their collections budgets! Thus, one may conclude that about six in seven ARL libraries, the best academic and research libraries in North America, are suffering from unmet needs in their collections budgets. And, when libraries suffer, institutions suffer!

It is happening again, and has been happening for years. We simply need a different model for collections to sustain us through perhaps the next 20 years! Stay tuned.

Patrick Burns
Vice President for Information Technology and Dean of Libraries
Colorado State University

Figure 9-2. Growth in ARL Acquisition Budgets, Inflation, and Acquisition Costs
1. ARL Fellows at Morgan Library (April)
2. CAM for Money Smart Week (April)
3. Colorado Gov. John Hickenlooper for Author Series in Denver (August)
4. Pat Mulroy at Western Water Symposium (July)
5. De-Stress with Dogs (May)
6. Morgan Library in Spring (April)
7. International Book Day celebrating Shakespeare (April)
8. (from left) Rick Miranda, Kathy DuQuoin, Howard CooperSmith, Elizabeth Carroll, Holly Carroll, Cindy CooperSmith, Bill Bryson, Carol Gertsch, Sarah Flick, Pat Burns, Marcia Burns (March)
9. Anne Castle at Water Tables (January)
10. Students Christina Haki and Brandon Hua at Disney Institute (August)
11. Author, attorney, and social justice activist Bryan Stevenson speaking for Author Series (September)
At the July 25 Western Water Symposium and Barbecue held at the library to support its Water Resources Archive, four speakers boldly discussed the politics of water.

Lafayette College history Professor D.C. Jackson discussed the 1928 St. Francis Dam collapse, which killed more than 400 people. The disaster’s political outcomes included improvements in California dam safety laws. Simultaneously, the catastrophe was being swept under the rug to cause as little impact as possible on Hoover Dam legislation, which Californians had a great stake in promoting for the energy and water benefits it would provide.

The next speaker lived his own political reality in both the U.S. House of Representatives and Senate. Hank Brown discussed his experiences in the passage of the legislation designating the Cache la Poudre River both a wild and scenic river and a national heritage area. He discussed working with both pro and con groups on the wild and scenic legislation, stating that either side could have killed the bill, but it took both sides to pass it.

After a barbecue lunch, Denver Water CEO/Manager Jim Lochhead discussed the “Zero Sum Game” – the typical water reality where gains are directly offset by losses. Negotiated solutions are likely to provide more gains and fewer losses across the board, Lochhead explained. His suggested solution to current challenges involves visionary leadership and honest discussions. He praised forums such as the symposium, which enable such discussions to take place, but says they need to move to the policy arena.

The final speaker, Pat Mulroy, non-resident senior fellow at the Brookings Institution and practitioner-in-residence at the Boyd School of Law at the University of Nevada Las Vegas, discussed the politics of the California Bay Delta. While Southern California diverts significant portions of the Colorado River, water issues in the northern part impact the river system. The Metropolitan Water District of Southern California (“Met”) sits at the crux of this, getting half its supply from the Bay Delta, but switching to an already low Lake Mead after a judge shut down Bay Delta pumps to protect fish, exacerbating system conditions. She argued that dialogues are needed to find solutions and that coexistence equals shared risks.

The day concluded with emcee Brad Udall from CSU’s Colorado Water Institute leading a panel discussion, followed by a reception at the Water Resources Archive. Afterward, one of the more than 130 symposium attendees commented, “I really enjoyed it and found it to be insanely interesting.”
By: Christina Vessa

The 2016 Diversity Symposium during the week of Sept. 19, featured dozens of presentations, workshops, and panels offering insight related to diversity topics in higher education and initiatives at Colorado State University. On the final night of the symposium, author, attorney, and social justice activist Bryan Stevenson took the stage amid a crowd of nearly 1,000 people.

“We want to create a campus where we can talk about these issues in an environment with diversity and inclusion,” said Mary Ontiveros, vice president for diversity at Colorado State University. “That is why we partnered with the Morgan Library’s Author Series to hear this speaker.”

Amid stories of children in jail and prisoners on death row, Stevenson raised a call to action for his audience: Change the narratives of fear and anger surrounding injustice. He said, once we can do this, we can create a world where death row prisoners receive fair treatment, and there is humanity in the courtroom and an end to mass incarceration.

Stevenson recounted his experiences advocating for those who have been unfairly treated in the justice system and his work challenging bias against marginalized communities. Some of these stories are told more in depth in his book, Just Mercy, which was named one of the 10 best nonfiction books of the year by TIME.

Stevenson called for people to get closer to the problems facing society, impressing that we should work to understand a problem before trying to provide help. He encouraged the audience to get closer to places experiencing poverty, and to visit the prisons and meet the people inside them.

As tears came from the eyes of some audience members, Stevenson told stories of the wrongfully condemned across the South. Facing a standing ovation,

Stevenson concluded the presentation by calling for the audience to “get proximate” to the problems facing our society.

“I am persuaded that each of us is more than the worst thing we’ve ever done,” Stevenson said. “My clients have taught me that we are not just the worst thing we have ever done. We’ve got to know the other things people are before we can do justice. I am persuaded that the opposite of poverty is not wealth; I believe the opposite of poverty is justice.”
Events & Accomplishments

Infrastructure Upgrades

With an increase in enrollment at Colorado State University, Morgan Library becomes increasingly important for students, faculty, and staff on campus.

There are more seats in Morgan Library than in any other CSU building. Chairs have recently been upgraded and replaced due to wear and tear and manufacturing issues, while tables are being resurfaced due to graffiti. The CSU Facilities Carpentry Shop is working on this project. Instead of throwing out the sturdy legs, the tops of the tables are going off to recycle, and new surfaces are being screwed on. This work is done in the morning, before the students come in.

Morgan Library received 330 new chairs for the first-floor computer area on Sept. 19. The majority of previously used brown chairs needed to be replaced. The chair manufacturer is covering all costs associated with chair replacement, shipping, unboxing, and setup.

Staff Profile

Celebrating Years of Service with the Libraries

40 Years of Service
Don Zimmerman

35 Years of Service
Sally Hibbitt

30 Years of Service
Scott Baily
Barbara Risheill
Mary Seaman

25 Years of Service
Doug Satterfield
Donna Schmid

20 Years of Service
Terry Whitaker
Jon Friedrich
Joe Volesky
Michael Willard
Oscar Raab
Claudia Kroemer
Naomi Lederer

15 Years of Service
Bill Becker
Randy Miotke
Jane Smith
Nancy Hunter
Allen Sneesby
Dawn Paschal
Lance Baatz
Linda Meyer
Dear Preservation,

Our family has owned a prominent 1900s era building in our community since it was built. We recently found architectural drawings and renderings hidden in a closet. We want to preserve these drawings as part of our family history in the area. We may eventually donate them to a local museum, but want to keep them in our family for the foreseeable future. What are some basic steps to get started with storage and preservation?

– Architecture Aficionado

Dear Architecture Aficionado:

What an intriguing discovery for both your family and community. Architectural drawings are highly valuable for numerous reasons, especially after a historic structure has been renovated many times. Beautiful renderings capture our eye and specification drawings are a witness to the “as-built” design and the architect’s original intent. Yes, there are basic steps you can do to minimize further deterioration of the drawings that address the unique type of materials and media involved.

First, environmental factors will deteriorate the materials, as do pests and mold. Some steps to incorporate into your plan would include storage locations that moderate the effects of light, heat, and humidity. Select an area for storage that is away from direct sunlight and room lighting as much as possible. Blinds, curtains, or windows treated with UV film and use of fluorescent lights with UV filters are some options if the documents are to be displayed for any length of time. Temperature and humidity ranges for an ideal storing environment range from 65 to 70 degrees Fahrenheit with humidity in the range of 45 to 50 percent. A closet in a location other than a basement or attic, away from heat and air conditioning sources is preferable.

Laying the materials flat on a shelf is ideal but not always possible. If the paper is fragile or brittle and has been rolled tightly, it is best to consult a professional about flattening. If space is limited, storing large sheets rolled on an archival tube is best; smaller sheets can be put in archival folders or archival polyester sleeves, laid flat, or stored in an archival box. Seek out a professional conservator for assistance if you suspect mold or pest damage.

Some basics to know include choosing between buffered versus unbuffered archival materials for protective measures. Traditionally, recommendations are to store blueprints in unbuffered folders instead of alkaline-buffered folders. However, current research states that alkaline-buffered folders commonly used for architectural storage are considered suitable, provided humidity standards are between 30 percent and 55 percent. Archival tissue is used for interleaving between sheets for additional protection; buffered versus unbuffered tissue is determined by the drawing media used.

More in-depth instructions to guide you can be found at lib.utexas.edu/apl/aaa/storagecare.html or nedcc.org/preservation101/session-4/4storing-paper-collections.

Much is to be considered for long-term preservation beyond mitigating the deterioration of the materials, including the intended use of the documents, handling, display purposes, and historic designation criteria. Even though you plan to keep these architectural documents in the family at this point, do consider contacting the local museum, archive, or library, and mention your thoughts about possibly donating materials at some future time. This is an excellent starting point for long-term planning and locating resources for conservation professionals.

Ralph L. Parshall Collection, Water Resources Archive, Colorado State University.
what they are reading

most popular on the web

by: naomi lederer

the morgan library’s website gets a lot of use. the library catalog and collections in the digital repository during the past academic year (july 2015–june 2016) were the most popular resources. the sage classic catalog saw 923,737 page views and discovery, which includes library catalog searches, library web pages, digital repository and digital collections, saw 2,146,469 page views for library resource identification of 3,070,206 items. the research databases saw 280,758 page views.

as for digitized item pages, the most popular by a very wide margin was the warren and genevieve garst wildlife photographic collection with 9,411,889 page views! these photographs, taken for the mutual of omaha’s wild kingdom television program, include images of more than 700 animal species from six continents.

the international poster collection received the second-most at 60,330 views. the posters are entries from the colorado international invitational poster exhibition held in odd-numbered years. the university historic photograph collection had 52,307 views; this collection has more than 13,000 images of student life, campus buildings, athletics, extension, faculty and staff, fort collins scenes, the experiment station, and academics. while this summary is not comprehensive, it does demonstrate that resources supported or developed by csu librarians are used – and we like to believe – useful!

other digital collections with more than 4,000 page views:

- water resources archive 26,727
  lib.colostate.edu/archives/water/
- great western sugar 10,328
  lib.colostate.edu/archives/greatwestern/
- agricultural and natural resources archive 6,860
  lib.colostate.edu/archives/agriculture/
- germans from russia 5,503
  lib.colostate.edu/gfr/
- university archive 4,315
  lib.colostate.edu/archives/university/

the most popular content web pages, written primarily by csu librarians on the csu libraries website:

- how to do library research 186,445
  lib.colostate.edu/howto
- how to evaluate journal articles (detailed) 34,122
- how to evaluate journal articles (summary) 15,751
- popular magazines vs. trade magazines vs. scholarly journals 13,340
- how to evaluate books 11,927
- asking good research/reference questions 8,959
- how to evaluate a web page (detailed) 8,940
- how to evaluate a movie, video, or film clip 8,244
- finding a book on the shelf - library of congress classification 8,228
- how to evaluate a web page (summary) 6,914
- cómo evaluar una película, un video, o un segmento de película (evaluate movies in spanish) 6,248
- web source or journal article? 5,369
- topic selection tips 4,531 spanish: 3,926
- english language and literature 45,949
  lib.colostate.edu/research/english/
- library tutorials
  lib.colostate.edu/tutorials/
- advanced boolean searching 6,975
- boolean searching 5,976
- history 22,583
  lib.colostate.edu/research/history/
- world war i 5,330
- map resources 16,579
  libguides.colostate.edu/maps
- co150 – college composition 11,178
  libguides.colostate.edu/co150
- colorado agriculture and rural life bibliography 8,196
  lib.colostate.edu/research/agbib/
- ebooks 7,249
  libguides.colostate.edu/ebooks
- agri 116 – plants and civilizations 7,058
  libguides.colostate.edu/agri116
- teen research (pages in english and spanish) 5,335
  lib.colostate.edu/teen_research/
- honz 192 – honor seminar 4,685
  libguides.colostate.edu/honors
- psychology 4,291
  libguides.colostate.edu/psychology

CAM the Ram with American history books.
Warren Garst (zoology, '63) passed away July 12, 2016. Those who knew him remember Garst as a talented and adventurous individual. Garst and his wife, Genny, who helped introduce computers to Colorado State University in the 1960s, traveled the world together and brought their experiences and photographs back to Colorado.

Garst was born in Douglas, Wyo., on Sept. 21, 1922. As a young man, he studied at the California Institute of Technology before transferring to the University of Colorado Boulder. As a student, he enlisted in the United States Navy and served for four years near the end of World War II.

After returning home, he went on to complete his studies at CU and earned a degree in mechanical engineering. His education led him to a job working with oil wells throughout the intermountain regions of Wyoming and Colorado. He was employed in the oil industry for some time but eventually sought a job that was more in line with his interests. He returned to Douglas and became a freelance writer.

Natural photographer
Warren decided he needed to learn more about photography to sell his wildlife articles, so he traveled to the Wildlife Research Station in Jackson Hole, Wyo., where he could work with professional photographers. He seemed to be a natural, and it wasn’t long before his photographs were noticed. He was soon hired to film scenes for several of Walt Disney’s wildlife series and films, including The Vanishing Prairie and Peri.

Warren quickly developed a passion for this line of work and began shooting stock footage of a variety of wildlife in 1956. The work that Warren produced caught the eye of NBC producer Don Meier. Meier then hired Warren to photograph an episode for the wildlife television series Zoo Parade, which was the precursor to Mutual of Omaha’s Wild Kingdom.

While living at home, Warren met a young woman who had hired his father as her lawyer, Genny Terrana née Sherwin. Genny was as adventurous as Warren, and they were married May 3, 1958.

Genny worked as a computer programmer and was offered a position at CSU, teaching computer science, then part of the mathematics department in the College of Natural Sciences. Genny accepted the position at quite a reduction in salary so she could spend summers in the wild with Warren, and the couple moved to Fort Collins.

While Genny worked as an instructor, Warren took advantage of this time on campus to earn his master’s degree in zoology. By graduation in 1963, Warren was offered a full-time position as a wildlife photographer for Mutual of Omaha’s Wild Kingdom, which he and Meier hoped would last three years. It ended up airing for 25 years.

Wildlife adventures
In 1963, Genny left her teaching position at the University to join her husband on his first African wildlife adventure. While exploring the world and its variety of wildlife, the couple produced a collection of more than 19,500 slides of what they encountered. Warren and Genny traveled to more than 100 countries during their 25-year journey.

Warren received the College of Natural Sciences Honor Alumnus Award from the Colorado State University Alumni Association in 1971, and an Honorary Doctor of Science degree from CSU in 1980.

In 1988, the couple retired and returned to Fort Collins the following year. Genny was president, vice president, and member of the scholarship selection committee in the CSU Women’s Association, while Warren became active with Rotary and wrote his book: Zoolexicon: A Comprehensive Reference
of Animal Terms and Words across the English Speaking World (2006). They were a dynamic part of the community and had many close friends in the area as well as from around the world, whom they would often host in their Fort Collins home.

**Records donated to CSU**

Upon returning to Colorado from their world travels, Genny and Warren generously donated incredible records of their work and experiences to CSU. This is exemplified by their contributions to Morgan Library, where almost 20,000 of their slides are housed within The Warren and Genevieve Garst Photographic Collection. The Archives & Special Collections Department digitized the best images for a website (lib.colostate.edu/wildlife), and in the past academic year alone, the popular site received nearly 9.5 million page views.

On July 9, 2013, Genny passed away, and a life celebration was held for her at Morgan Library. In her memory, Warren established the Genny and Warren Garst Scholarship to benefit nontraditional undergraduate students majoring in computer science, zoology, or mathematics in the College of Natural Sciences. It is recognized as part of the philanthropic efforts of the CSU Women’s Association.

Warren and Genny Garst made a positive difference in the world, and their legacy remains a treasured part of CSU. Their contributions to Morgan Library and the College of Natural Sciences leave a lasting impact on students, the University, and the entire community.

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**STAY CONNECTED TO LEARN MORE ABOUT HOW TO SUPPORT MORGAN LIBRARY:**

[lib.colostate.edu/develop](http://lib.colostate.edu/develop)

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**YES, I WANT TO SUPPORT MORGAN LIBRARY!**

- $50  - $100  - $500  - $1,870*  - Other: $_______

- Friends of Colorado State University Libraries / Cultural Programming (55173)
- Library Collection Enhancement (58513)
- University Archives (58213)
- Morgan Library Support (14463)
- Other __________________________

- Me  - My spouse & me  - My partner & me

Your name __________________________

Spouse’s/Partner’s full name __________________________

Address __________________________

City, State, ZIP __________________________

Home phone __________________________

E-mail __________________________  - Home  - Work

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- Charge this gift to my/our:  - VISA  - MasterCard

- American Express  - Discover

Card Number __________________________

Expires ___/_____ Card Security Code __________

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Signature __________________________

- A matching gift form is enclosed.
- Please send me information about planned giving.

* This amount qualifies you for inclusion in the 1870 Club, which provides recognition and special events for donors who give $1,870 or more during the calendar year.

Please return this form with your gift to:

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P.O. Box 1870, Fort Collins, CO 80522-1870

Office of Development: Bruce Hallmark

(970) 491-2893 OR bruce.hallmark@colostate.edu

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M1702/55173
Morgan Library Upcoming Events:

**November Events**

**Extended Hours**
Nov. 27: Noon to 2 a.m.
Nov. 28 to Dec. 1: 7 a.m. to 2 a.m.
Dec. 2: 7 a.m. to 1 a.m.
Dec. 3: 9 a.m. to 1 a.m.
Dec. 4: 10 a.m. to 2 a.m.
Dec. 5-9: 7 a.m. to 2 a.m.
Dec. 10: 9 a.m. to 2 a.m.
Dec. 11: 10 a.m. to 2 a.m.
Dec. 12-15: 6:30 a.m. to 2 a.m.
Dec. 16: 6:30 a.m. to 5 p.m.
Dec. 17 and 18: 1 to 5 p.m.

**February Events**

**Data & Donuts**

Basic Data Analysis Using R
Feb. 8, 2017
10-11 a.m.
Morgan Library Computer Classroom 175

**January Events**

**Water Tables 2017**
Join us for Water Tables during the Colorado Water Congress Annual Convention!
Jan. 26, 2017
Hyatt Regency Denver Tech Center
To register, visit:
www.cowatercongress.org/registration1.html

**Personal Virtual Reality Workshop**
Jan. 12, 2017

**Jim Davidson and Kevin Vaughan Author Series**
Feb. 21, 2017