The maker movement is thriving throughout the country, but you’d be hard pressed to find more enthusiastic promoters of making and makerspaces than inside the DeLaMare Science & Engineering Library. At its most basic level, the maker movement consists of a community working to make something, whether with circuit boards, cardboard, 3-D printing or pen and paper. Anyone who creates can be considered a maker, from bakers and electronics experts to woodworkers and welders.

For perspective on why making and makerspaces are critical for our students, during Educause’s 2013 Learning Initiative Conference, Audrey Watters stated, “...[the] campus makerspace... invokes some of the educational practices that we know work well: small group discussion, collaboration, participatory, project-based, and peer-to-peer learning, experimentation, inquiry, curiosity, play.” Ms. Watters goes on to say that “Makerspaces give students -- all students -- an opportunity for hands-on experimentation, prototyping, problem-solving, and design-thinking.

The results found that undergraduates with a GPA above the university mean used the library more often than undergraduates with a GPA below the university mean. There was a correlation between greater use of the library and increases in GPA between the two years—that is, as one grew, so did the other.

The full report is at digitalcommons.unl.edu/libraryscience/320/
By making a pinball machine for a physics class, for example. Making paper or binding a book for a literature class. 3D printing for a nursing class. The possibilities for projects are endless.”

The staff at DeLaMare are living and breathing the maker culture. The staff works with students and faculty to discover the power of making with laser cutters, 3D printers, Arduino (a tool for making computers that can sense and control more of the physical world than your desktop computer), Makey Makey (simple Invention Kit for Beginners and Experts doing art, engineering, and everything in between), Raspberry Pi (a tiny and affordable computer that you can use to learn programming through fun, practical projects) and more.

DeLaMare is receiving acknowledgement of their maker leadership in many ways. Earlier in 2015, the library was the recipient of the “Most Innovative Space” award from the Economic Development Authority of Western Nevada (EDAWN). This leadership in the Maker Movement by Tod Colegrove, Ph.D., MSLIS, Director of the DeLaMare Science & Engineering Library and his staff reaches far beyond the University campus.

DeLaMare librarian Chrissy Klenke has headed up the first and second annual Reno Mini Maker Faire held in downtown Reno. The most recent Faire took place on Saturday, May 30, with support from The Discovery Museum, University of Nevada, Reno’s InNEVation Center, and EDAWN. The event brought together more than 50 maker booths and included a cross-section of speakers and presenters ranging from patent lawyers to drone experts. The Reno Mini Maker Faire invited the entire community to discover and celebrate making.

It’s not just the Reno Mini Maker Faire that is putting DeLaMare and team on the map. Colegrove and Klenke, along with a contingent of 10 students, represented Nevada at the National Maker Faire in Washington, D.C. on June 12-13. Colegrove noted that, “As representatives of both the university and the State of Nevada, [we are] telling the story and sharing hands-on examples of the innovation happening across campus; truly bringing the “21st-century approach to the ‘land-grant mission’ to life.”

While in the nation’s capital, DeLaMare’s team was the recipient of the Maker of Merit blue ribbon, a high distinction, reserved for those makers who have “demonstrated great creativity, ingenuity, and innovation.” As Sierra Gonzales, UNR student and DeLaMare 3D Wrangler, said, “The opportunities it has given me have blown my mind. . . . I love the lives I touch and the minds I’ve changed. I’m headed home after one of the greatest experiences I’ve ever had…”
MAYA MILLER DIGITAL COLLECTION NOW AVAILABLE

Maya Miller was an inspiration and mentor to an entire generation of political activists, progressive thinkers, feminists, and those interested in social justice. To honor Miller’s enormous contribution, the University of Nevada, Reno Libraries Digital Collections, in conjunction with Special Collections, have digitized a representative selection of Miller’s papers to highlight each of her primary passions.

Miller’s reach was far and wide and her accomplishments too numerous to mention them all. She lobbied for the welfare rights movement. In 1974, she was a candidate for the U.S. Senate, losing in the primary to current U.S. Senate Minority Leader Harry Reid. Miller’s other notable accomplishments included co-founding the Foresta Institute for Ocean and Mountain Studies, helping to establish Sand Harbor State Park at Lake Tahoe in 1971, assisting with mediation between the Sandinista National Liberation Front and the Miskito Indians in Nicaragua throughout the 1980s and delivering aid to Iraq following the conclusion of the Persian Gulf War in 1991.

Her extensive selection of papers, housed in Special Collections, illustrates her commitment to the rights and well-being of the disadvantaged and disenfranchised in her home state of Nevada and abroad. The papers cover the years 1954-2003 and consist of a variety of materials including correspondence, meeting agendas, newsletters, audio/visual resources, and photographs.

To locate Maya Miller’s online collection, visit the Knowledge Center homepage at www.KnowledgeCenter.unr.edu and follow the headings to Special Collections then Digital Collections. Special thanks to the Orchard House Foundation for a generous grant allowing the collection to be prepared for use.
MORE HIGH TECH TOOLS AVAILABLE IN @ONE'S NEW 4K SUITE

Three new Ultra-HD work stations have been created in the Knowledge Center’s @One, the University’s premier site for multimedia services for students, faculty, and staff. All three systems, two Apple and one PC, offer students and faculty use of professional video editing and production software usually reserved for Hollywood. Both Apple systems feature Divinci Resolve with one instance of a WACOM INTUOS Pro tablet that exemplifies the marriage of art and technology. The PC-based work station features Camatasia Studio and Autodesk #DS Max which supports high-end 3D modeling and animation. These powerful computers and software support the creation of tutorials, course materials, and collaborative student projects across many disciplines. To further complement the suite, there are also plans to install a 3-D scanner.

Quoting Richard Tiland from a June 2014 Forbes article, “Video is beyond entertainment. It has become a critical component in business, politics, communication, social media, and even in music. We need video to market and sell products, promote ideas, and share beliefs.” The impressive multimedia tools the Knowledge Center supplies provides our students with what is necessary for them to gain critical 21st century skills and for our faculty to expand their reach.

WESTERN SHOSHONE/DANN SISTERS RECORDS EXHIBIT OPENING

In late September, an exhibit will open in Special Collections and the third floor of the Knowledge Center, featuring some of the most fascinating excerpts from the Western Shoshone Defense Project records.

Carrie Dann, a Nevada rancher and elder in the Western Shoshone Tribe, has donated an extensive manuscript collection, called the Western Shoshone Defense Project Records, to the University of Nevada, Reno Libraries’ Special Collections and University Archives. This collection documents the many years Carrie and her sister Mary Dann engaged in a dispute with the federal government over who had control of Western Shoshone ancestral territory.

A grant from the National Historical Publications & Records Commission, one of only 15 awarded nationwide, has made it possible for the records to be organized, preserved, and made accessible to the public. Previously, the materials were only available to members of the Western Shoshone Tribe.

Mary Gibson, a cousin to the Dann sisters, is serving as the project archivist. She understands the importance of maintaining these records “because there are young people today who won’t have the benefit of knowing our elders and what they went through,” Gibson said. This collection is also important because it’s the first donated from the Western Shoshone, according to Jacquelyn Sundstrand, manuscripts and archives librarian.

Celebrate the collection’s availability to the public and the passing of the knowledge it holds to future generations by visiting the exhibit in the Mathewson-IGT Knowledge Center’s Special Collections beginning Monday, September 28 through mid-March 2016.
With the large number of out-of-state and international students on the University of Nevada, Reno’s campus, having the ability to broadcast graduation ceremonies via live streaming is meaningful to both the students and their families and friends.

This streaming is only possible due to the knowledge, hard work, and cooperation of the @One staff. With the technology available today, you’d think live streaming an event of any size would be a piece of cake, but in reality, it is quite complicated to film and caption such a large event over multiple days. To livestream the 2015 commencement ceremonies (all three of them), it took 11 people and sophisticated audio visual equipment. More than 1,200 people tuned in to at least one of the three ceremonies, with just over 100 of those people viewing from foreign countries.

In addition to the benefit to graduates, the live streaming also provides an amazing learning opportunity for the @One student assistants. “We provide the students with a developmental environment in the @One, which helps them transition [more easily] to the professional world,” Ray Silva, Coordinator of Media Technology, stated. Sam Santoro, one of @One’s student assistants, has been supporting the graduation production since live streaming began three years ago. For him, it’s a toe in the water of his future career. “I love working with the high end equipment; the experience is really intense and exhilarating,” Santoro said. He also appreciated that each student had a role and was able to try out multiple jobs during the ceremonies, working on their strengths, but also getting to explore other aspects of production they may not have considered previously.

Congratulations to all 2015 graduates and to the Library’s @One team for their exemplary work.
On Wednesday, May 6, the University Libraries held their end of the year celebration for the graduating seniors who were part of the University Libraries team. Each student was presented with a certificate and a University Libraries lapel pin from Dean Kathy Ray, along with acknowledgement of their contributions.

Student assistants work in all departments within the Mathewson-IGT Knowledge Center and DeLaMare Science & Engineering Library and their contributions are invaluable. Whether delivering the mail, helping with poster printing in the @One, or manning the research services desk in the evenings, these students serve as an integral part of the Libraries’ team.

Our student assistants help us keep the building running smoothly and ensure that the needs of the students, faculty, and community members are met.

Please join us in congratulating our graduates!

Graduates are grouped under their respective college and listed alphabetically by last name. Their name is followed by the department they supported within the library and their degree earned.
2015 LIBRARY STAFF GRADUATES

College of Engineering:
Evan Autry, IT, BS in Mechanical Engineering
Dario Guillen, @One, BS in Mechanical Engineering
Scott Jividen, Special Collections, BS in Civil Engineering
Frank Olsen, TLT: Computer Support, BS in Electrical Engineering
Dillon Smith, @One, BS in Mechanical Engineering
Amaad Sulahria, TLT: Computer Support, BS in Chemical Engineering
Ryan Widmer, Library Services, BS in Chemical Engineering
Stephanie Worsnop, @One, BS in Chemical Engineering

College of Business and Division of Health Sciences
Ryan Bayfield, DeLaMare, BS in Business
Eduardo Caro, Building Operations, BS in Information Systems
Thomas Hollenbeck-Pringle, TLT, BS in Community Health Sciences
Xochitl Lopez, Mailroom, BS in International Business & Finance
Brianna Maguinness, Ereserves/Document Delivery,
BS in Business Administration & Marketing
Kyandra Smith, Library Services, BS in Business Administration & Marketing
Travis Williams, Building Operations, BS in Community Health Sciences

College of Science and College of Agriculture, Biotechnology & Natural Resources
Joseph Bernardo, @One, BS in Biochemistry & Molecular Biology
Michael Blane, Library Services, BA in Mathematics
Jazmyn Earl, ERAS, BS in Biology
Royce Feuer, @One Digital Media
Checkout/Dynamic Media Lab, BS in Mining Engineering
Joel Kerbrat, Help Desk, BS in Geography
Paul Opdyke, DeLaMare, BS in Geological Engineering
Jason Phan, @One, BS in Biochemistry & Molecular Biology
Benjamin Platt, Metadata and Cataloging, BS in Biology & Chemistry
Tania Villanueva-Sanchez, Building Operations, BS in Biology
Daniel Urruty, @One, BS in Biology
Shannon Woo, @One, BS in Biology

College of Liberal Arts:
Timothy Chatwood, @One Digital Media Checkout,
MA in Music Composition
Spencer Crowell, Building Operations, BA in Criminal Justice
Bryana Dickens, Special Collections,
BA in Anthropology & Political Science
Laurin Jackson, Building Operations, BA in Political Science
Gloria Jarvis, Basque Library, BA in Criminal Justice
Janelle Riley, Metadata and Cataloging, BS in Social Work
Garrett Sanford, Special Collections, BA in English
GWEN DEPOLO AWARDED A LIBRARY OF CONGRESS INTERNSHIP

Gwen DePolo, a student assistant in DeLaMare Science & Engineering Library, is spending her summer in Washington, D.C. as one of a select group of Library of Congress interns. This wonderful opportunity combines DePolo’s undergraduate chemistry study with her love of playing violin (something she does for the Reno Pops Orchestra) and her work in DeLaMare Library. Special thanks to Congressman Mark Amodei for submitting DePolo’s application and to Heidi Gansert, University of Nevada, Reno’s Executive Director of External Relations, for alerting us to this fabulous opportunity. Congratulations to Gwen DePolo!

ALEXA ARD PARTICIPATING IN CARNEGIE-KNIGHT NEWS 21 PROGRAM

Alexa Ard, Mathewson-IGT Knowledge Center @One student assistant and Reynolds School of Journalism student, has participated in the prestigious Carnegie-Knight News 21 program. Ard spent the spring semester conducting interviews and spending time in a virtual classroom with other fellows and fellowship professors and is finishing the program this summer at Arizona State University. Ard is the only student from Nevada, so her stories are covering issues as they relate to the Silver State. Congratulations to Alexa Ard on this amazing opportunity!

RACHEL DONOVAN WINS AT RENO X FILM FESTIVAL

Rachel Donovan, a 2014 Smallwood Multimedia Boot Camp graduate who will be majoring in Broadcast Journalism, entered her short film chronicling the intensive summer boot camp in the Reno X Student Film Festival. The film won “best documentary” and “best non-fiction film.” The film was also screened at the Reno Tahoe International Film Festival.

Sponsored by the Smallwood Foundation, the two-week Multimedia Summer Boot Camp offers rigorous instruction by University of Nevada, Reno Library and Information Technology faculty and staff in a wide range of media and research activities, including the use of state-of-the-art media facilities. Congratulations to Rachel Donovan!
For freshmen, the university experience can be overwhelming, but the University of Nevada, Reno Libraries are here to help. However, communicating those resources to freshmen can be challenging as they are inundated with new information about every aspect of college life in a very short amount of time.

Fortunately, a partnership between the University Libraries and the University’s Core Writing Program creates the perfect opportunity to speak to the students when they have an immediate need for library resources – during their English 102 class. English 102 is a required course for every student at the University and part of the class curriculum is research methodologies.

The outreach is three pronged. Before the semester begins, the Core Writing Director facilitates a group meeting with a team of instruction librarians and all the new graduate and teaching assistants for English 102. Next, usually in the second or third week of the semester, the same team of instruction librarians visits English 102 sections to conduct “warming sessions.” These three to five minute sessions provide a brief time for an in-person introduction, distribution of materials and an overview of Library services and resources available for students. These student “warming sessions” further encourage the teaching and graduate assistants to schedule a librarian for a full in-class instruction session.

An instruction session lasts 50 or 75 minutes and includes an in-depth overview of the research process, information formats, online tools, and search strategies. Time is given during the session for students to apply the skills and receive one-on-one instruction if there is some aspect of the research process giving them difficulty.

This targeted outreach program is a tremendously successful way to introduce students and new instructors to the many excellent resources and services the Knowledge Center and DeLaMare Science & Engineering Library provide.

To illustrate, Heidi Slater, Instruction Librarian for the Core Writing Program, recalled a conversation with a student following an in-class instruction session. Slater recounted that this undergraduate was a first generation college student who said she learned so much and would go back and re-evaluate the cited sources for her assignment. The pupil went on to say, “I had trouble connecting with people on campus who could help me academically. After this session, I feel I have more personal resources to help me stay on track.”

**LATEST LIBRARIES STATS**

- **1,275,091** annual visitors to the Knowledge Center
- **1,409,398** books
- **622,823** e-books
- **200,000+** historical photos
- **1,240** 3D objects printed
- **21,437** equipment checkouts in the Knowledge Center and DeLaMare
- **2,679,686** searches in databases and OneSearch
- **757,308** items stored in MARS (Mathewson Automated Retrieval System)
EXPLORING PYRAMID LAKE

On March 25, 2015, Dr. Bernard Mergen, author of *At Pyramid Lake*, came to speak about his childhood spent at the lake and celebrate the opening of the exhibit, “Reflections on Pyramid Lake.” The exhibit, open through September 15, features paintings, photographs, and other artifacts from the Pyramid Lake Paiute Tribe and others in the area. Mergen was joined in his presentation by Ben Aleck and Ralph Burns, both members of the Pyramid Lake Paiute Tribe.

LEGACY SOCIETY AND FRIENDS OF THE LIBRARIES EVENT DISCUSS SHAKESPEARE

On May 28, 2015, the Nevada Legacy Society and Friends of the University Libraries gathered for our annual spring reception. This year’s speaker was Dr. Eric Rasmussen, Foundation Professor and Chair of the English Department. Rasmussen discussed the fascinating adventures around his research and his most recent book, *The Shakespeare First Folio: A Descriptive Catalogue*. 
MEETING MICHAEL MIKEL

On April 1, 2015, “Burning Inquiry: Coyote Goes to Burning Man” was presented by Michael Mikel, Director of Advanced Social Systems for the Burning Man Project, exploring the historical roots of tricksters, pranksters and surrealistic art at Burning Man. Prior to the event, a private reception was held for library donors to meet Mikel and learn more about Burning Man and the San Francisco Cacophony Society, a randomly gathered network of individuals united in the pursuit of experiences beyond the pale of mainstream society through subversion, art, pranks, and fringe explorations. Burning Man is a week-long annual art event in the Black Rock Desert.

MANY THANKS FOR THE SUPPORT

NEW ENDOWMENTS BENEFIT SPECIAL COLLECTIONS

ANN RONALD ENDOWMENT

Ann Ronald, a University of Nevada, Reno emerita professor, foundation trustee, and Distinguished Faculty Award winner, has established the Ann Ronald Special Collections Endowment in recognition of the value of Special Collections to the University and the role it has played in her own scholarly endeavors. The endowment will provide flexible funding to support the growth and success of Special Collections now and in the future. Ronald believes strongly that in order for the University to retain its standing as a research institution “we need to keep our specialized focus and we [Special Collections] need to keep collecting.” During Ronald’s 38 years at the University, she earned the University’s Outstanding Researcher award in 2005, was inducted into the Nevada Writers Hall of Fame in 2006, and served as dean of the College of Arts & Sciences from 1989-96.

COLONEL JOHN AND MARIAN HENNEN LAVOY ENDOWMENT

Marian LaVoy has created a Special Collections endowment honoring both her late husband, John, and their long relationship with the University of Nevada, Reno that began in 1939. Both native Nevadans attended the University and Marian has been a long-time supporter of the Libraries. She became active with the Friends of the University Libraries and served on the board for over 16 years. After she stepped down from the board she became a regular volunteer in the Knowledge Center through 2010. John had a lifelong career as a Marine Corps aviator. The couple were married for 69 wonderful years until his passing in April 2014. They raised four children, two of whom are also University of Nevada graduates. Three grandchildren currently attend the University.

The Colonel John and Marian Hennen LaVoy Endowment will provide funding for the expansion and operations of the Special Collections department.
MARK YOUR CALENDAR FOR THE 28TH ANNUAL NEVADA WRITERS HALL OF FAME

Thursday, November 19, 2015
6:00 p.m. - Joe Crowley Student Union

HALL OF FAME INDUCTEE:

Ellen Hopkins
#1 New York Times Best-selling author Hopkins is the author of more than a dozen young adult and adult novels.

SILVER PEN RECIPIENTS:

Mark Maynard
Maynard is the author of Grind, a short story collection set in Reno.

Laura McBride
McBride is the author of We Are Called to Rise, a novel about split-second decisions and their consequences.

FOR THE ONLINE SAVVY

To keep in the loop, consider “liking” the following Facebook pages:

Mathewson-IGT Knowledge Center
DeLaMare
Special Collections
Basque Library
Silver & Blue

To sign up for the quarterly email edition of Knowledge Matters, please contact Millie Mitchell at 775-682-5682 or mimitchell@unr.edu