Five questions for Charles R. Goeldner[1]

Charles R. Goeldner

Charles R. Goeldner left an illustrious career at the University of Colorado Boulder Leeds School of Business in May 2001 – officially, at least. But he likes to say that he is not really retired, he's just off the payroll. In fact, he can be found frequently working in the emeriti office.

A meeting in Vancouver was a turning point in his life. As an assistant professor of marketing at California State University, Northridge, he attended a Western Council for Travel Research summit in British Columbia, Canada.

"That was when I decided tourism would be a great field to research. Also at that meeting, I met Philip Cateora of the University of Colorado and he decided I would be a good person to replace him as the director of the Business Research Division (BRD) of the then College of Business," which traced everything that went on in the Colorado economy, he said.

He joined CU in 1967 and for 25 years was director of the Business Research Division. Over the years, he served as chair of the Marketing Division, as associate dean for Undergraduate Studies and Administration, an associate dean for Graduate Programs and Research, and as executive assistant to the dean. He taught Principles of Marketing in both small classes and mega sections – he said small is better in this case – Principles of Advertising, Market Research, and Tourism Management in the undergraduate program and Business Research in the graduate program.

"Since tourism was one of Colorado's important economic sectors, I gravitated to doing almost all my research in the tourism, travel and recreation sectors," he said. "It was incredibly rewarding and exciting to work with leaders in the ski industry and other segments of the travel and tourism industry."

His favorite memories of the university: being promoted to full professor, CU winning the Orange Bowl, the College of Business becoming a member of the Graduate Management Admission Council under his watch, working with some great university people, and working with the ski industry and doing ski research.

He continues to be involved with the BRD's annual Economic Outlook Forum and revise his tourism textbook, which is in its 12th printing. As a professor emeritus, he has a little more free time and spends more of it traveling.

1. You first wrote "Tourism: Principles, Practices, Philosophies" in 1972. What are some of the biggest changes you've seen in tourism over the years?

"Tourism" is now the leading tourism text used in tourism courses in the United States. Wow! The changes have been dramatic. The World Tourism Organization tracks international tourist arrivals and they numbered 166 million in 1970 and have grown to 935 million in 2010. Colorado recorded 2,997,953 skier visits in the 1970-71 season and now records more than 10 million skier visits annually. Vacation habits have gone from one annual vacation to multiple trips and shorter stays. Travel attitudes have shifted from travel being considered a luxury to travel considered a necessity. Travel has been a growth industry.

When I founded the Journal of Travel Research in 1972 it was the first in the U.S.; now there are more than 180 tourism journals published around the world. The first tourism text book was published by McIntosh in 1972 and it was one of the few books on tourism and today we have hundreds of tourism books on virtually every subject. Tourism associations, conferences and research centers all have boomed. In the '70s, there was no electronic communication and today we have TRINET and other list serves and electronic bulletin boards. Back in the '60s, tourism research was mostly survey research reporting frequencies while today we have virtually every qualitative and quantitative technique being used. Tourism dissertations being written have gone from one a year to more than 120.

2. How has technology and climate change affected tourism?

Technology has had a powerful impact on travel. Tourism was one of the early industries to be transformed by the

Internet as it first became a major information source and next as a major channel of distribution with half of travel in the United States now booked online. The Internet has gone on to become pervasive in all areas of tourism marketing. Internet marketing is also called i-marketing, web marketing, online marketing and e-marketing. The Internet provides the same capabilities found in direct mail and telemarketing; it provides a new communications medium that can provide interaction with customers. It has the ability to deliver a rich multimedia message 24 hours a day, seven days a week, 365 days a year.

Social media has great potential to impact travel. Currently there are success stories and failure stories, so time will tell how social media will evolve in regard to travel.

Climate change is a major concern of the tourism industry. It can impact our ski industry, raise ocean levels and create temperatures that threaten the success of the tourism sector.

3. Colorado broke a record in 2010 for tourist visits (55.1 million) despite the economy. What are key issues that can make or break a tourism season?

Key issues for tourism are people, with income, and a willingness to spend on travel. Thus, the economy, the weather, a state tourism office with a competitive promotion budget, a supportive legislature, dynamic tourism leaders and an attractive destination are all key. In 1993, Colorado actually eliminated its tourism office and Colorado became a case study on how not to do tourism promotion and what happens when state tourism promotion stops. Longwoods research firm in Toronto, Canada, researched the situation and reported Colorado lost roughly $4.3 billion when it lacked a tourism office. There is no question that more money equals more tourists. It is necessary for the state to be competitive with other states and keep the Colorado name in vacation planners' minds. When Colorado stopped promoting, we shifted from being a national market to a regional market. The current Colorado Tourism Office (CTO) has done a good job in making us a national market again.

4. What are some of your favorite achievements or research?

Achievements I am proudest of include: Chairing the Building Equipment Committee in the '60s, purchasing almost all the equipment in the building and supervising the move into the building in January 1970; serving as director of the Business Research Division and making it a profit center that contributed more than $2 million to the college research and travel programs during my directorship; conducting three of the college's AACSB accreditations, and three of the college's program reviews; founding and launching the "Journal of Travel Research" in 1972; helping establish the Colorado Tourism Board in 1983; serving as president of the Travel and Tourism Research Association in 1974 and later receiving their lifetime achievement award and serving as president of the Association for University Business and Economic Research in 1975; receiving the Colorado Tourism Board's Individual Tourism Achievement Award (1990) and being inducted into the Travel Industry Association of America Hall of Leaders (1992); negotiating an agreement with Sage Publications in 1998 that led to the transfer of the "Journal of Travel Research," "Journal of Marketing Education" and "Journal of Macromarketing" to them, which resulted in a $450,000 contribution plus royalties for 10 years to the foundation to endow the Center for the Study of the Colorado Economy; and conducting ski research.

5. Are you a tourist? Do you love to travel? What are some of your favorite places to visit and why?

Yes, yes, yes! I do love to travel. Asking about favorite places to visit is a little like asking who is your favorite child. Australia, London, Paris, Munich, Vienna and Turkey are all favorite places. Everywhere we have gone we have had great travel experiences whether it has been the U.S., Canada, Europe or Asia. I would like to return to every place I have traveled.

Cover photo by Casey A. Cass/University of Colorado

CU planning to offer contracts for non-tenure-track faculty[3]

University of Colorado leadership plans to make available contracts of up to three years for some non-tenure-track faculty, following new legislation adopted earlier this year that gives state universities and colleges the right to do so.

During its first meeting of the academic year, held Aug. 23 at CU system offices in Denver, the CU Faculty Council heard information on early planning for the contracts from Kathleen Bollard, vice president for academic affairs, during her regular report to the group.

“President Benson and the chancellors have said, yes, we want to offer these contracts,” Bollard said. Leadership next month will discuss guidelines for instituting the contracts; they hope to have the guidelines determined by January. In the meantime, she said, input from faculty will be helpful to the process.

Not all faculty who meet the criteria, including those working 50 percent of time or more, would necessarily receive a contract; contracts would be up to three years but could be shorter as well.

“Leadership is very aware of the value of non-tenure-track faculty members’ contributions to the university,” Bollard said. “This is a way of recruiting and retaining valued educators.”

Colorado House Bill 12-1144 was passed and signed into law earlier this year. Many, but not all, state universities and colleges now are pursuing the addition of contracts for non-tenure-track faculty.

Also at last week’s meeting, Bollard said she continues to help assemble a new task force that will consider the impact of new technology and what these changes mean for higher education. President Bruce Benson asked chancellors and provosts to suggest task force members.

“Part of this is to make everyone aware of what’s going on with groups (across the CU system) already working on the cutting edge,” Bollard said. “How can we leverage that expertise? What might we be doing in terms of teaching and learning?” She added that Benson has stressed that “anything having to do with teaching and learning, with course delivery, has to be a faculty initiative.”

The group being formed, likely with five to eight representatives per campus, may be convened in September.

In other business at last week’s Faculty Council meeting:
Michele McKinney, director of external affairs and advocacy, presented information about CU Advocates[4], comprising CU friends, parents, alumni, faculty and staff who volunteer to promote CU’s educational, research and economic contributions to Colorado and beyond. An example of faculty involvement might be a high school appearance to answer students’ questions about the university experience. Said Faculty Council Chair Melinda Piket-May, “I think it’s a really strong program and I’d love to see us involved in it.” E. Jill Pollock, vice president of employee and information services, said leadership is considering the addition of a smoking cessation initiative to employee health plans next year, in response to the relatively high number of tobacco users (12 percent of employees). Piket-May said she has asked the Staff Council to have its chair present at Faculty Council meetings during discussion of issues affecting both groups; she also wants to boost interaction with student leadership and have Faculty Council play a role on Staff Council. Tom Riis, co-chair of the GLBTI Committee, said plans are under way for a one-day symposium, “Reaching Out to Friends and Allies: Building the LGBTI Community,” set for Oct. 19 at St. Cajetan’s at CU Denver on the Auraria Campus. Registration information for the free event is forthcoming. Karen Jonscher, chair of the Women’s Committee, discussed preliminary plans for the 11th Annual CU Women Succeeding Professional Development Symposium[5]. It’s set for Feb. 21 and 22 at CU-Boulder, with registration information coming later in the year. Piket-May said there will again be a Faculty Council retreat this year; a date has not yet been chosen.

University of Colorado moving forward with Memorial Health System[6]

[7]
Colorado Springs voters agreed Tuesday to lease Memorial to University of Colorado Health, a decision that brings approximately $1.8 billion to the city over time and promises to expand on a proud, century-long legacy of delivering health care to the Pikes Peak region.

The special election drew 41 percent voter turnout, with 83 percent of those voters favoring the new arrangement. The decision marks the first change in governance for Memorial since it was acquired by the city of Colorado Springs in 1943.

“We are honored, humbled and excited about the opportunity to welcome Memorial into our family of world-class health care organizations,” said Rulon Stacey, president of University of Colorado Health. “For generations, Memorial has provided great care in this community. As part of UCHealth, that care will not only continue, but will expand. The passion and quality that define Memorial today will be supported by a broader family — one that is steeped in research, quality and a shared passion for community.”

The growth of University of Colorado Health is becoming a model for independent hospitals and systems across the nation to follow. Today’s changing health care environment makes survival difficult for independent hospitals, but an affiliation with a high-caliber system enables hospitals to improve both quality and efficiency.

“UCHealth is experiencing tremendous growth while keeping our patients as our number one priority,” University of Colorado Health CEO Bruce Schroffel said. “We plan to grow with Memorial into a regional hub that reaches patients and improves health care throughout southern Colorado.”

Although the city will retain ownership of Memorial’s buildings, the organization’s employees and operations will be transferred to UCHealth. Additionally, Memorial Hospital for Children will now be operated by Children’s Hospital Colorado as part of the change.

“Every so often, a once-in-a-generation opportunity comes along for Colorado Springs,” said Mayor Steve Bach. “By approving the Memorial Health System lease to University of Colorado Health, the voters have made a historic improvement to the city. The long-term financial future of Memorial is secure, there will be better health care provided, and we now have the opportunity for a branch of the CU School of Medicine right here in Colorado Springs. The voters should be commended for this watershed decision.”

UCHealth formed earlier this year when Aurora-based University of Colorado Hospital and Fort Collins-based Poudre Valley Health System merged. Both are among the highest-ranked in the nation for quality, technology and employee satisfaction. The system recently entered into a management agreement with Ivinson Memorial Hospital in Laramie, Wyo.

With the addition of Memorial, UCHealth becomes the first Colorado-based health system to span the Front Range. Among the first benefits will be an integrated electronic medical record to be shared by all its patients from Colorado north into Wyoming. The health system is the first of its kind nationally to integrate the strengths of community-based care and academic medicine, a new approach to health care that may serve as a model for other communities.

UCHealth will begin operating Memorial on Oct. 1, and all MHS employees will become UCHealth employees. At that time UCHealth will become one of the largest employers in Colorado with almost 14,000 employees.

Study provides evidence of wildfire smoke’s heat-trapping effect[8]

[9]
When the Fourmile Canyon Fire erupted west of Boulder in 2010, smoke from the wildfire poured into parts of the city

including a site housing scientists from the University of Colorado Boulder's Cooperative Institute for Research in Environmental Sciences (CIRES) and the National Oceanic and Atmospheric Administration (NOAA).

Within 24 hours, a few researchers at the David Skaggs Research Center had opened up a particle sampling port on the roof of the building and started pulling in smoky air for analysis by two custom instruments inside. They became the first scientists to directly measure and quantify some unique heat-trapping effects of wildfire smoke particles.

"For the first time we were able to measure these warming effects minute-by-minute as the fire progressed," said CIRES scientist Dan Lack, lead author of the study published Monday in the Proceedings of the National Academy of Sciences.

The researchers also were able to record a phenomenon called the "lensing effect," in which oils from the fire coat the soot particles and create a lens that focuses more light onto the particles. This can change the "radiative balance" in an area, sometimes leading to greater warming of the air and cooling of the surface.

While scientists had previously predicted such an effect and demonstrated it in laboratory experiments, the Boulder researchers were among the first to directly measure the effect during an actual wildfire. Lack and his colleagues found that lensing increased the warming effect of soot by 50 to 70 percent.

"When the fire erupted on Labor Day, so many researchers came in to work to turn on instruments and start sampling that we practically had traffic jams on the road into the lab," Lack said. "I think we all realized that although this was an unfortunate event, it might be the best opportunity to collect some unique data. It turned out to be the best dataset, perfectly suited to the new instrument we had developed."

The instrument called a spectrophotometer can capture exquisite detail about all particles in the air, including characteristics that might affect the smoke particles' tendency to absorb sunlight and warm their surroundings. While researchers know that overall, wildfire smoke can cause this lensing effect, the details have been difficult to quantify, in part because of sparse observations of particles from real-world fires.

Once the researchers began studying the data they collected during the fire, it became obvious that the soot from the wildfire was different in several key ways from soot produced by other sources -- diesel engines, for example.

"When vegetation burns, it is not as efficient as a diesel engine, and that means some of the burning vegetation ends up as oils," Lack said. In the smoke plume, the oils coated the soot particles and that microscopic sheen acted like a magnifying glass, focusing more light onto the soot particles and magnifying the warming of the surrounding air.

The researchers also discovered that the oils coating the soot were brown, and that dark coloration allowed further absorption of light, and therefore further warming the atmosphere around the smoke plume.

The additional warming effects mean greater heating of the atmosphere enveloped in dark smoke from a wildfire, and understanding that heating effect is important for understanding climate change, Lack said. The extra heating also can affect cloud formation, air turbulence, winds and even rainfall.

The discovery was made possible by state-of-the-art instruments developed by CIRES, NOAA and other scientists, Lack said. The instruments can capture fine-scale details about particles sent airborne by the fire, including their composition, shape, size, color and ability to absorb and reflect sunlight of various wavelengths.

"With such well-directed measurements, we can look at the warming effects of soot, the magnifying coating and the brown oils and see a much clearer, yet still smoky picture of the effect of forest fires on climate," Lack said.

CIRES is a cooperative institute of CU-Boulder and NOAA.

Governor, university leaders hail new Business School as hub of innovation, entrepreneurship[10]

Business School Dean Sueann Ambron receives a 'Thank You' card from Associate Professor Manuel Serapio during the grand opening celebration of the new Business School.

University and state leaders joined with students and faculty Aug. 23 to celebrate the opening of the University of Colorado Denver's new Business School[12], hailed as a center of innovation, entrepreneurship and world-class education.

Business School Dean Sueann Ambron said the LEED Gold-certified facility at 15th and Lawrence streets is far more than just a building. "We've really built a hub for the development of partnerships, the development of programs and the development of future leaders in Denver," Ambron said. "... The students are here. The reason we're doing this is for you. This is your building."

The festive mood extended onto Lawrence Street, where a first-ever Block Party[13] welcomed CU Denver students to the fall semester and the campus's first building dedicated to a specific school.

Scenes from the Business School grand opening:

Other speakers at the "We Are Open for Business" celebration included Gov. John Hickenlooper, Chancellor Don Elliman, University of Colorado President Bruce Benson and Michael Carrigan, chairman of the CU Board of Regents.

Hickenlooper called the Business School's opening a "momentous occasion." He recalled that Ambron approached him four years ago, when he was mayor of Denver, about assisting with the fundraising campaign. Ambron and others in the university's leadership had a vision "that the future was going to be more prosperous" than it was back then when the recession was deepening, he said.

The governor noted that the Business School is located in the center of a metropolitan area that generates $150 billion a year in commerce. "This is a perfect time to launch this building," he said. "....Thank you from a grateful state. We look forward to working together with you to make this into the greatest business school that ever could be imagined."

Elliman said the Business School is by far the largest graduate business school in the state. It capitalizes on its downtown location with business partnerships that have led to innovative programs such as Global Energy Management[14], Risk Management and Insurance[15] and the J.P. Morgan Center for Commodities[16].

"We see this building as a foundation for increasing and expanding upon our connection to the community," Elliman said. "It couldn't be better situated. It's our connection to the urban market."

Benson said the new building links CU Denver to the city and the state, providing a "face of entrepreneurship and innovative programs." He thanked the many donors and said the school provides a critical service and education link to the community. "This is entrepreneurship and private-public partnerships, which are what we really need in this state," Benson said.

Carrigan said the school is located at the heart of Colorado's economy. University faculty are not just educating students, but are deeply integrated in the business community. "We are a cornerstone of the state's economy," Carrigan said. "We don't want to be just a pipeline of students, but be part of the financial engine of the state."

The six-story building, which features ample collaborative spaces and flexible classrooms, was designed by international design firm RNL and constructed by GH Phipps. The university bought the building for $24 million and invested $20 million in renovations.

Manuel Serapio, Ph.D., associate professor of international business, thanked Ambron for her unwavering leadership. "Dean Ambron fulfilled her vision to build and open this new Business School building," he said. "Because of her hard work we are standing here today."

Serapio said the Business School will also be the home of an artistic piece that reflects Ambron's values of teamwork, collaboration, global perspectives and links between academic and business communities.

Ambron was noticeably touched by the gesture and then took the stage to join with the assembled dignitaries, who included U.S. Rep. Ed Perlmutter and Benson's wife, Marcy Benson, for the ribbon cutting. She then told the large gathering to enjoy tours of the building and the Block Party.

"We're open for business. Come back and see us. Thank you very much," Ambron said.

University of Colorado Cancer Center receives prestigious designation[17]

University of Colorado Cancer Center[18] remains in distinguished company having received a prestigious designation from the National Cancer Institute (NCI). This is the fourth time the CU Cancer Center has been named a Comprehensive Cancer Center by the NCI – one of only 41 cancer centers in the United States to receive the designation. It also is one of only a handful of comprehensive cancer centers that have the "consortium" designation-meaning the center embraces multiple universities. In this case, those universities are University of Colorado Denver, University of Colorado-Boulder and Colorado State University.

The CU Cancer Center underwent a rigorous review process in June 2011 and it is the only NCI designated Comprehensive Cancer Center in Colorado. There is no other NCI designated Comprehensive Cancer Center within an 850 mile radius of the Denver metro area.

"We are honored to receive the NCI designation to continue to bring the best in cancer research and care to the metro area, Colorado and beyond," said Dan Theodorescu, M.D., Ph.D., director of the CU Cancer Center. "This designation means we are among the ‘best of the best’ - without peer here in Colorado. We are proud to bring that level of care to our community, while continuing to research and develop clinical trials that keep our patients living longer." This recognition comes on the heels of the U.S. News and World Report rankings placing the CU Cancer Center among the top 35 cancer centers in the United States.

The CU Cancer Center first received its NCI designation in 1987 as a clinical cancer center. In 1997, it received its "comprehensive" designation and in 2005, its "consortium" designation. In order to achieve designation as a comprehensive cancer center, the NCI has strict, demanding standards including expertise in laboratory, clinical, and behavioral and population-based research.

"Our investigators lead the way in identifying cancer targets and biomarkers and in developing personalized medicine for our patients. The CU Cancer Center is an invaluable resource for cancer patients and their families in Colorado and the Rocky Mountain region," Theodorescu said. "Anyone can use the term cancer center, but the designation as a "comprehensive cancer center" from the NCI sets us apart from every other cancer center in Colorado."

Outcomes (click link to see comprehensive report)[19] in patients with some types of cancer are better than state and national averages at CU Cancer Center. For example, the five year survival rate for people with advance stage non-small cell lung cancer is more than double the national average.

The CU Cancer Center[20] is headquartered on the University of Colorado Anschutz Medical Campus and is a consortium of three state universities (Colorado State University, University of Colorado Boulder and University of Colorado Denver) and six health delivery institutions: University of Colorado Health System (including University of Colorado Hospital, Poudre Valley Hospital and Medical Center of the Rockies), Children’s Hospital Colorado, Denver Health, Denver VA Medical Center, National Jewish Health and Kaiser Permanente Colorado.

The NCI re-designation lasts for five years and provides a budget of approximately $18 million over that time period.

No-sort recycling in CU housing, dining helps make landfill diversion easy[21]

[22]
Recycling bins located throughout Housing and Dining Services at the University of Colorado Boulder are now single-stream receptacles, helping to make landfill diversion as simple as can be.

The new system, implemented this week in residence halls, dining facilities and at the Center for Community, allows all recyclables to be tossed into one container, alleviating the task of sorting materials.

Recycling throughout the rest of the campus will remain a dual-stream system with “paper” and “co-mingled container” categories.

“The change balances the need for added convenience in the residence halls and dining areas while retaining the more valuable stream of materials -- which is processed and sold, generating revenue for campus -- from academic and administrative buildings,” said Edward von Bleichert, CU-Boulder environmental operations manager.

The improvement also presents a good opportunity to remind the campus community of what not to toss into recycling, according to officials.

While plastic bags are the biggest contaminant to the recycling process, loose shredded paper, coffee and soda cups -- which have plastic linings -- and neon or heavily dyed paper also are non-recyclable products.

“Now more than ever, we must pay attention to the types of materials we are throwing in the recycling bin to ensure that we keep a high-quality recycling stream leaving campus,” said Dan Baril, CU-Boulder recycling program manager.

The campus has a 2012-13 goal of reducing landfill waste per person to 147 pounds -- down from about 175 pounds per person in 2011-12. It also has an overall landfill diversion goal of 90 percent. In order to reach the goals, the campus must continue to lower the amount of materials entering the waste stream, as well as double the amount that is collected for reuse, recycling and composting, Baril said.

Students started CU-Boulder’s recycling program in 1976. In addition to collecting and processing recyclables, the program teams with campus entities to offer a number of zero-waste events, including Ralphie’s Green Stampede. The stampede transforms Folsom Field into a trash can-free venue during football games -- a first-of-its-kind program in the nation.

Some of the program’s student employees have been going around to Housing and Dining Services bins that previously were labeled by categories and retrofitting the receptacles with stickers that simply say “recycling.”

For more information on CU-Boulder recycling visit http://.recycling.colorado.edu[23].

Convocation speeches begin new academic year[24]

Andrea Herrera

Andrea Herrera, professor, Women’s and Ethnic Studies, deviated from the traditional script for convocation speeches when she opened the academic year Aug. 15.

In lieu of advice to carefully select a career or making the most of opportunities, Herrera talked about what she deemed

as an urgent need for kindness, gratitude and beauty.

Quoting from this year's all campus reads selection, "The Immortal Life of Henrietta Lacks," Herrera told the story of Lacks and the legacy of the HeLa cell line, cells taken from Lacks as she was dying from cancer. While the story raises many questions about medical and personal ethics as well as racism, sexism and inequality, Herrera focused her remarks elsewhere.

Herrera focused on Lacks' legacy, virtual immortality as her cells led to scientific discoveries that led to improved treatment for ailments ranging from depression to high blood pressure.

Many students sat with their Freshman Seminar sections marked with brightly colored signs

"The thought that Henrietta has indeed, though inadvertently, helped human kind in in immensely significant and unexpected way seems to be source of comfort for her family and friends," Herrera said.

"Though I am acutely conscious of the affront to Henrietta, and to her family, this theme of helping others altruistically or selflessly without benefit and sometime at one's own expense is for me the greatest Lesson that Henrietta Lacks is teaching us."

Herrera's remarks served as the official opening of the academic year. She was joined by members of a record-breaking freshman class, as well as a member of the CU Board of Regents, top campus administrators and faculty and staff in at-capacity Gallogly Events Center. Many students sat with their Freshman Seminar sections marked with brightly colored signs. After the speeches, students and families were treated to dinner on the University Center Upper Plaza.

Students and families enjoy to dinner on the University Center Upper Plaza.

In his remarks, CU Board of Regent Kyle Hybl described UCCS as "a place that wants you to succeed" while Steve Collier, president, Student Government Association, used a camping metaphor in his comments directed at the freshmen.

"Leave UCCS better than you found it."

Video available
To see the full Convocation event, visit http://www.uccs.edu/provost/convocation.html[28]. The event was recorded by the Media Services Department.

Library display
In connection with "The Immortal Life of Henrietta Jacks," the Kraemer Family Library has a display containing written information about Lacks and the legacy of the HeLa cell line from magazines and peer-reviewed journals dating to the 1970s. The display is on the third floor of the library. To see photos, visit
http://www.flickr.com/photos/27640054@N08/sets/72157631182978838/[29]

Photos by Philip Denman

Café Scientifique serving food for thought in Boulder[30]

Boulder Café Scientifique is back up and running, bringing hot science topics from the source to the public.

Each event features a 25-minute presentation followed by interactive discussion, questions and answers.

Presented by the Boulder Chapter of Sigma Xi, the Scientific Research Society, the Café groups meet in the Outlook Hotel Conference Room, next to the Blues and Greens Restaurant. Cafe Sci Boulder meets on the second Tuesday of each month.

Arrive at 5:30 p.m. to purchase refreshments; the talk starts at 6 p.m. For music lovers, the Outlook features live blues music starting at 7:30 p.m. Tuesdays after the Café.

The Café Sci phenomenon started in England in 1998 and has since spread around the globe (sciencecafes.org). The café program avoids long lectures and powerpoint presentations, instead providing a comfortable, lively atmosphere for discussion of scientific topics.

The program is free.
Café Scientifique BoulderFall Schedule

The Outlook Hotel
800 28th St. (Frontage Road between
Colorado Avenue and Baseline Road), Boulder
303-443-3322

Sept. 11, Uriel Nauenberg, professor emeritus of physics, University of Colorado Boulder, **The World of the Higgs Boson. What is all the Excitement About?**

Oct. 9, Heidi Souder, Baker Residential Academic Program, University of Colorado Boulder, **Everything You Wanted to Know About the Florida Keys Coral Reefs, and a Few Things You Didn't**

Nov. 13, Frank Barnes, Distinguished Professor, Department of Electrical, Computer, and Energy Engineering, University of Colorado Boulder, **Cell Phones and Cancer**

Dec. 11, Marc Bekoff, Distinguished Professor, Department of Ecology and Environmental Biology, University of Colorado Boulder, **Animal passions and beastly virtue: Some reflections on redecorating nature, our compassion footprint, and rewilding our hearts**

Correll lands NASA grant for space food research[31]

Correll

Nicolaus Correll, an assistant professor at the Department of Computer Science at the University of Colorado Boulder, is one of 10 awardees of NASA's inaugural Space Technology Research Opportunities for Early Career

Faculty. The agency will provide grants of as much as $200,000 per year for as long as three years in support of Correll and other honorees and their research in specific, high-priority technology areas.

The honorees will conduct research in areas closely aligned with NASA's Space Technology Roadmaps and priorities identified by the National Research Council. These priorities include extending and sustaining human activities beyond low Earth orbit, exploring the evolution of the solar system and potential for life elsewhere, and expanding our understanding of Earth and the universe.

Correll's research focuses on growing food in space that will not only allow extended lengths of future missions in space, but also significantly increase astronauts' well-being. His proposed research focus on the fundamental sensing and manipulation challenges of automating parts of the operations of in-space greenhouses to facilitate tele-operation. Specifically, he is investigating machine learning techniques to extract the growth stage of plants from a combination of volumetric, color, and infrared data, and novel algorithms for manipulating flexible structures using two arms, much like a human gardener does when picking a fruit.

NASA's Early Career Faculty efforts are an element of the agency's Space Technology Research Grants Program. It is designed to accelerate the development of technologies originating from academia that support the future science and exploration needs of NASA, other government agencies and the commercial space sector. Other career efforts will develop technologies to automate the production of food in space and investigate and test advanced wastewater recovery technologies. These efforts also will look to develop robust timekeeping technologies that enable more precise landing and autonomous rendezvous in space, and formulate new ultra-lightweight materials with properties that can be tailored.

More than $8 million in NIH grants to bioengineering faculty[33]

Faculty in the Department of Bioengineering at the University of Colorado Denver have been awarded more than $8 million in new grants from the National Institutes of Health (NIH).

Robin Shandas, department chair, received one of six grants from the Heart, Lung and Blood Institute (NHLBI) at NIH. The award is for more than $2.1 million to study pulmonary arterial hypertension (PAH) in children. This project brings together a collaborative team of bioengineers, clinicians, and basic scientists to improve prediction of clinical outcomes in children born with this complex disease.

Shandas also was awarded, for a second five-year cycle, a senior NIH 24K Career award to train the next generation of translational scientists in cardiopulmonary bioengineering. He is one of the few Ph.D. scientists to receive this clinically oriented award that usually is given to physicians. The award recognizes his long-standing record of teaching and mentoring in translational bioengineering.

Assistant Professor of Bioengineering **Kendall Hunter** is a co-investigator on a second award made by the NHLBI to School of Medicine principal investigator and bioengineering affiliate faculty, **Kurt Stenmark**. Hunter will develop new imaging diagnostics to evaluate how scleroderma affects the pulmonary vascular system.

The NIH/NHLBI has earmarked $20.25 million over five years to foster research leading to improved diagnostics and therapeutics. UC Denver won two of the six awards made nationally.

In addition, Daewon Parkisco is co-investigator on another new RO1 grant from the National Institute of Dental and Craniofacial Research. This $1.8 grant will be used to develop the next-generation polymeric materials for various dental applications.

The Department of Bioengineering and associated Center for Bioengineering were founded in 2010 as a collaborative partnership between the College of Engineering and Applied Science at the University of Colorado Denver and the University of Colorado School of Medicine.

Santiago's award will boost HIV research[34]

Santiago

Mario Santiago, an assistant professor in the Division of Infectious Diseases at the School of Medicine, has won the 2012 ICAAC Young Investigator Award designated for a researcher working in the area of HIV.

Santiago's work varies from field-based HIV epidemiology studies to manipulating innate immunity in his efforts to explore innovative new ways to approach the challenge of the HIV vaccine.

Santiago graduated from the University of the Philippines magna cum laude with a bachelor's of science in molecular biology and biotechnology. He then worked on schistosome and malaria vaccines as part of the NIH-sponsored Tropical Medicine Research Center in the Philippines and on HIV-1 molecular epidemiology as a Fogarty AIDS International Research fellow at Brown University. Santiago went on to receive his Ph.D. in Microbiology under Beatrice Hahn at the University of Alabama-Birmingham, where he developed noninvasive methods to detect Simian Immunodeficiency Virus in wild nonhuman primates, eventually leading to the discovery of the origins of HIV-1 and HIV-2 in wild chimpanzees and sooty mangabeys, respectively.

"During his tenure, he painstakingly designed, tested and optimized strategies to noninvasively screen fecal and urine samples from wild monkeys and great apes for simian immunodeficiency viruses, which aided in our breakthrough understanding of the origins of HIV-1 and HIV-2," explains Hahn. "These findings resulted in fascinating high-profile publications and have revolutionized our perspective on the AIDS pandemic."

After receiving his Ph.D., Santiago completed two postdoctoral fellowships, first at the University of Alabama-Birmingham, then at the Gladstone Institute for Virology and Immunology at the University of California, San Francisco, where he discovered that a long-sought classical resistance gene that modulates the retrovirus-specific neutralizing antibody response known as Rfv3 corresponds to an innate immunity gene known as Apobec3.

In 2009, Santiago joined the Division of Infectious Diseases at the University of Colorado Denver l Anschutz Medical Campus. He continues his work on the interplay between innate retroviral restriction and adaptive immunity in mice, monkeys and humans, with a conceptual focus on HIV vaccine development, host genetics of retrovirus resistance, and interferon-based antiretroviral therapy. He currently supervises a post-doctoral fellow and three graduate students from the immunology and microbiology programs, where he holds adjunct appointments.

"Santiago's recent work on the function of human Apobec3 has helped delineate potential genetic mechanisms behind the production of neutralizing antibodies to HIV, which are critical to preventing HIV infection," says nominator Thomas Campbell, University of Colorado, Denver. "His research findings will help to inform the discovery of HIV drugs and vaccines. "

McCabe named to March of Dimes Foundation post[36]

McCabe

Edward R.B. McCabe, a professor of pediatrics in clinical genetics and metabolism at the University of Colorado School of Medicine, and an internationally recognized expert in pediatrics and genetics, has been named senior vice president and medical director of the March of Dimes Foundation. McCabe will oversee the medical and clinical

initiatives of the March of Dimes, one of the nation's leaders in maternal and infant health. He will assume his responsibilities in November.

McCabe served as executive director of the Linda Crnic Institute for Down Syndrome, the Anna and John J. Sie Endowed Chair in Down Syndrome Research and Clinical Care from 2010-2012. Prior to that, he was at the University of California at Los Angeles (UCLA), as executive chairman of the Department of Pediatrics and Physician-in-Chief of the Mattel Children's Hospital, an institution that he established with a Mattel gift of $25 million. He also held the Mattel Endowed Chair of Pediatrics, and was professor of genetics as well as professor of bio-engineering. He founded and served as co-director of the UCLA Center for Society and Genetics and established the first program in nano-pediatrics. With his wife, Linda McCabe, he wrote "How to Succeed in Academics" and "DNA: Promise and Peril," to support the courses they taught at UCLA.

McCabe identified the first patients with glycerol kinase deficiency, part of a genetic syndrome contiguous with congenital adrenal hypoplasia and he cloned the genes for these disorders. He also developed genetic strategies to confirm the diagnosis of sickle cell disease when it has been identified through newborn screening.

He was elected to the Institute of Medicine of the National Academy of Sciences in 2001 and a fellow of the American Association for the Advancement of Science in 2003. He was president of the American Board of Medical Genetics, the American College of Medical Genetics, the American Society of Human Genetics, the American Pediatric Society and the 11th International Congress of Inborn Errors of Metabolism.

Faculty team uses grant to develop groundbreaking course[38]

Gregory Simon presented the group's findings

College of Liberal Arts and Sciences (CLAS) faculty in the Department of Geography and Environmental Sciences (GES) at the University of Colorado Denver are developing new "synthetic" approaches to train students in the interdisciplinary sciences. Synthesis provides a mechanism to link diverse ideas, data, and disciplinary approaches, and facilitates development and use of integrative analytic and computational tools.

With support from a CLAS 2011 Advancing Curricula and Teaching (ACT) grant, faculty members **Anne Chin**, **Casey Allen**, **Jon Barbour**, **Gregory Simon** and **Bryan Wee** have developed a new course to help students learn to integrate different data, methods, and ideas. The course is grounded in concepts of systems theory and includes exercises for applying "synthetic thinking" to real-world situations. It introduces students to analytic tools that are able to link disparate data and concepts, and concludes with a service-learning project in which students apply their newly learned synthetic skills to real-world problems. This service-learning project uses the Five Fridges Farm, a research station of the University of Colorado managed by GES.

Gregory Simon presented the group's findings as an invited speaker at the recent inaugural education workshop of the Socio-Environmental Synthesis Center, a national synthesis center in Maryland supported by the National Science Foundation. The group's manuscript, under review in the Journal of College Science Teaching, also will form the basis for a set of special organized sessions at the Spring 2013 meeting of the Association of American Geographers.

Yakacki to apply grant to work on heart valve[40]

Yakacki

University of Colorado Denver Assistant Professor **Chris Yakacki,** Department of Mechanical Engineering, working in collaboration with Jack Griffis of MedShape, Inc., and Sai Muralidhar Padala of Emory University, have received a $150,000 research grant from the National Heart, Lung, and Blood Institute (NHLBI), part of the National Institutes of Health (NIH).

The grant is for research that will develop and test a novel polymeric heart valve, prepared from a resilient, highly durable material with exquisite shape-memory properties. The participants anticipate applying for Phase II funding of $1,000,000.

The grant application notes that valvular heart disease is significant in the United States, prevalent in 2.5 percent of the total population (8.75 million) and 13.3 percent of adults beyond 65 years of age (5.78 million) in 2011. Replacement of diseased heart valves with man-made mechanical or bioprosthetic valves is a routine cardiac surgical procedure, yet one that is plagued with high rates of failure because of the need for anti-coagulation therapy with mechanical valves and the rapid degeneration associated with bioprosthetic valves.

"Current polymer-based heart valves do not have the necessary mechanical properties to last in such a dynamic and demanding environment," said Yakacki. "We are looking into developing a new class of polymer heart valves that exhibit strength and fatigue resistance up to ten-times greater than the current standard of materials."

Yakacki previously was the MedShape Principal Scientist and had been a co-founder of the company (known as MedShape Solutions) founded out of CU-Boulder.

Dropping names …[42]

Ott

Silverman

Robert Metcalf, an associate professor and chair of philosophy in the College of Liberal Arts and Sciences at the University of Colorado Denver, led a weeklong text seminar on Plato's Statesman at this year's Collegium Phaenomenologicum in Citta di Castello, Italy. ... **Brian L. Ott**, associate professor of communication at the College of Liberal Arts and Sciences, along with his co-authors **Greg Dickinson** and **Eric Aoki**, won the National Communication Association's 2012 Golden Anniversary Monograph Award for their essay, "Ways of (not) seeing guns: Presence and absence at the Cody Firearms Museum," which appeared in vol. 8.3 of Communication and Critical/Cultural Studies. ... **Gillian Silverman**, associate professor of English and director of women's and gender studies in the College of Liberal Arts and Sciences, has a new book, "Bodies and Books," published by the University of Pennsylvania Press in June. The publisher notes, "While theorists have long emphasized the way reading can promote a sense of abstract belonging, 'Bodies and Books' emphasizes the intense somatic bonds that nineteenth-century subjects experienced while reading. Silverman bridges the gap between the cognitive and material effects of reading, arguing that the two worked in tandem, enabling readers to feel deep communion with objects (both human and nonhuman) in the external world." ...

University of Colorado Colorado Springs individuals and organizations have been nominated for awards by the Pikes Peak Arts Council recognizing excellence in the arts.

The awards will be presented Sept. 21 at the Stargazers Theatre and Event Center as part of the 12th Annual Pikes Peak Arts Council Awards for Excellence in the Arts program.

Those nominated were:
Daisy McConnell, director, Gallery of Contemporary Art, in the visual art excellence in curatorship category for "Suburbia." **Andrea Herrera**, professor, Department of Women's and Ethnic Studies, in the visual art excellence in curatorship category for "Cuba Transnational." Theatreworks in the theater outstanding technical achievement category. **Jan Avramov** was recognized for costume design in "39 Steps." Theatreworks in the theater outstanding performance by an actor category. **Christopher Lowell** was recognized for his role as Shylock in "The Merchant of Venice." Theatreworks in the theater outstanding performance by an actress category. **Bertha Holly** was recognized for her role in "Joe Turner's Come and Gone." Theatreworks in the theater outstanding production category for "The 39 Steps" and "Joe Turner's Come and Gone."

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