

Humboldt

The Magazine of Humboldt State University | Fall 2012



*Hydnodon
theleporum*

Adventures of
Mushroom
Hunters

From the President	2
Letters	3
News in Brief	4
Campus Scene Gear Heads: Cycling is on the Ascent at Humboldt State	10
Humboldt State Timeline 1963-1987: A Period of Change	12
'15 Strokes' Rowing Team Stays Focused, Wins First-Ever National Title	14
Big Impact How HSU Researchers are Changing our Understanding of Concussions	18
Adventures of Mushroom Hunters HSU's Trailblazing Mycologist Terry Henkel and Students Hack Their Way Through South American Jungles to Uncover the Secrets of Tropical Fungi	24
First Person Studying Different Times & Places with Professor Benjamin Marschke	32
'Wine of Summer' In Debut Film, Alum Leverages Humboldt Connections	34
Alumni News & Class Notes	36
Humboldt Honors Distinguished Alumni, Faculty and Outstanding Students of the Year	38
8 Things The First Day of School	48
Meet Humboldt Jahna Morehouse, Critical Race, Gender and Sexuality Studies	49

ON THE COVER: *Hydnodon theleporum*, a mushroom from the Guiana Shield.

THESE PAGES: Flying over the vast rainforest of Guyana's Pakaraima Mountains.

Photo Courtesy of Terry W. Henkel

from the President

HUMBOLDT STATE WILL mark a significant milestone this year. Unfortunately, it is not one that any of us will wish to remember.

If estimates are correct, this will be the year that more of HSU's operational budget will be paid by students than by the state of California. That is, student tuition fees will outgrow state funds.

Students: \$51 million. State: \$50 million.

The way I read that score, California is losing. We know our prosperity depends on highly educated citizens, but we are cutting back our investment in college opportunity. It could get even worse if a tax measure

(Proposition 30) is rejected by voters in November, and the "trigger" cut slashes another \$5 million from HSU's budget.

This is not how it was supposed to be. California has historically led the way in providing very affordable and accessible higher education. We showed the world how that investment can pay dividends in a high quality of life and a thriving economy. I certainly benefitted, like so many of you. I remember paying just hundreds of dollars to cover tuition when I attended San Diego State University.

Of course, we have seen this coming for some time. The trends have been clear to anyone paying even passing attention to the shrinking state investment in higher education. And we all know the Great Recession has wreaked havoc on budgets at all levels.

However, it is striking how fast it happened. Just last year, even after many years of reductions, state appropriations still covered \$13 million more of our operations than student tuition. The year before, it was \$19 million more. As far as state funding goes, we are in a free-fall.

This is all incredibly hard on students. I have heard from so many of them who are struggling, who will end up borrowing more and working longer at part-time jobs—that is, if we can actually keep them in school.



More broadly, it raises questions about how California will regain its economic strength. Higher education is a vital engine for our economy. Instead of doing what we need to do, we are cutting back. We are reducing our investment in higher education, reducing enrollment and raising cost barriers for students. Will our best and brightest simply leave the state? Or worse, will they opt out of higher education altogether?

This fall, Californians will have an opportunity to take the first steps in turning things around. As you consider the tax measure on the November ballot, I urge you to remember the importance of not only higher education, but of our elementary and secondary schools. I hope you will conclude that it is time, once again, to invest in California's future.

Sincerely,

Rollin C. Richmond
President

Humboldt

The Magazine of Humboldt State University

humboldt.edu/magazine

Humboldt magazine is published twice a year for alumni and friends of Humboldt State University and is produced by University Advancement. The opinions expressed on these pages do not necessarily reflect the official policies of the university administration or those of the California State University Board of Trustees.

President

Rollin C. Richmond

Interim Vice President for University Advancement

Frank Whitlatch

Interim Director of Marketing & Communications

Kristen Gould

Editor

Jarad Petroske ('06)

Graphic Design

Hugh Dalton, Connie Webb

Photography

Kellie Jo Brown

Writing

Arianne Aryanpur, Paul Mann, Dan Pambianco, Desiree Perez ('10), Monica Topping ('09), Sammi Sheppard

Web

Melissa Gore, Tyler Herman, Matt Hodgson

Alumni Relations

Dean Hart, Christy Khattab ('95) alumni.humboldt.edu, (707) 826-3132

Submit Class Notes

humboldt.edu/classnotes or email alumni@humboldt.edu

Humboldt magazine

Marketing & Communications
1 Harpst St., Arcata, CA 95521
magazine@humboldt.edu



This paper for *Humboldt* Magazine contains 10% post consumer recycled content, has been certified to meet the environmental and social standards of the Forest Stewardship Council™ and comes from responsibly managed forests, controlled sources, and/or verified recycled sources.

Feedback



Submitted Photo

I WAS ASTONISHED to see that the most recent issue of *Humboldt* magazine (spring 2012) contained an article celebrating the absence of bottled water on campus. While a plastic water bottle-free campus is a wonderful environmentally conscious change, the article neglected to mention one addition to campus stores that replaced the voids that plastic bottles once filled. Humboldt State University is now one of the few places in Humboldt County that sells Icebox Norwegian Spring Water.

Icebox water, as its name implies, is water imported from Norway and packaged in a paper box. The Icebox Company boasts that these boxes are 100% recyclable. While that may be true in some places, Humboldt County lacks a carton recycling facility. Furthermore, how sustainable is it for us to be shipping water overseas from Norway, rather than honing in on our local resources? Of course, the Icebox Company is ready with a response stating that "[their] small boxes have a Carbon Footprint that is only one quarter of the comparable plastic bottle produced in the USA." Would that fact remain the same as the Icebox industry expands? No matter the size, shape and material of these water containers, they are still traveling thousands of miles to reach Arcata and to eventually end up in a landfill in Oregon.

On a positive note, I do applaud the prevalence of drinking fountains on campus and, as a reusable water bottle user, I advocate for more "Hydration Stations." I do believe that the "Hydration Stations" in particular are a major step in the right environmentally friendly direction.

Ana Kolpin

(Student, Environmental Resources Engineering)

EDITOR'S NOTE: *We checked in with Dining Services, and it turns out they've reached similar conclusions. The boxes are being phased out this semester.*

I ENJOYED YOUR article in the recent edition of *Humboldt* about Ultimate Frisbee at HSU. It brought back many memories of fun times during the early days of a sport that has grown exponentially since that time. I thought you might like to see what we looked like back then so I am attaching a photo for your amusement. The image is from Nov., 1979, at the first Humboldt Harvest tournament.

Cheers and keep up the good work.

Chuck Dresel

('83 History, '90 Social Science)

JUST FINISHED READING the fall 2011 *Humboldt* Magazine. The Timeline article was great. Thought I'd share my memories of HSU's identity crisis while I was there. I attended HSU from 1971 to 1974. During those three years HSU changed from a college to a university (great!) and changed its name three times in the three years while I was there! I was accepted to Humboldt State College in 1971. Next year we were California State University, Humboldt, and my last year we were Humboldt State University. I'm glad the University has finally settled on a name.

Steven Jehly

('72, History, '73 Secondary Education Credential, '74, Elementary Education Credential)

LETTERS ARE WELCOME and may be published in upcoming issues of *Humboldt* magazine. Letters may be edited for length and clarity. Send to magazine@humboldt.edu or the address listed below.

Email: magazine@humboldt.edu
Mail: Humboldt Magazine
Marketing & Communications
1 Harpst St., Arcata, CA 95521

twitter.com/humboldtstate
 facebook.com/humboldtstatealumni
 flickr.com/humboldtstate



Photo Courtesy HSU Athletics

Basketball head coach Steve Kinder and Scott Clark celebrate after the Lumberjacks won the 2012 California Collegiate Athletic Association title game.

Basketball Team Tops in Conference Play

HIGH EXPECTATIONS PROVED no hurdle for the 2011-12 Humboldt State men's basketball team, which achieved its first California Collegiate Athletic Association Tournament title in head coach Steve Kinder's second season guiding the program.

"We knew coming in that we would have a target on our backs based on our success the previous year," Kinder said. "We took that as a challenge. We accepted that every team was probably going to play their best against us, and we wanted to show that our best was better."

Led by senior forward Randy Hunter, the highlight of HSU's efforts was a 89-76 win over arch-rival Chico State in the CCAA Tournament Championship

game. Hunter, named the tournament's Most Outstanding Player, finished with 20 points, as did teammate Brandon Sperling, another all-tournament team selection. Also earning all-tourney selection was senior guard Scott Clark, who added a career single-game high 19 points to the Jacks' big win.

Individually, Hunter topped the team in postseason honors. HSU's leading scorer and rebounder during the 2011-12 season was chosen to the National Association of Basketball Coaches (NABC) all-region team for the second straight year. As a junior he was chosen for second team recognition, and his performance as a senior earned him first team selection and advancement to the All-America ballot.

The transfer from Citrus College earned all-CCAA first team recognition for the second straight year. Hunter averaged 18 points per game in the CCAA postseason tournament to earn the Jacks an automatic berth in the NCAA Division II West Region playoffs.

The Lumberjacks advanced to the NCAA Division II Tournament for the 11th time in the past 12 seasons. The 2011-12 campaign came to a close when the Jacks were defeated by the same Chico State Wildcats in the first round of the NCAA playoffs in Bellingham, Wash. The 2012-13 season begins Oct. 31 with an exhibition game against University of Arizona in Tuscon, Ariz. For a full schedule, visit hsujacks.com.

The World by Tweets

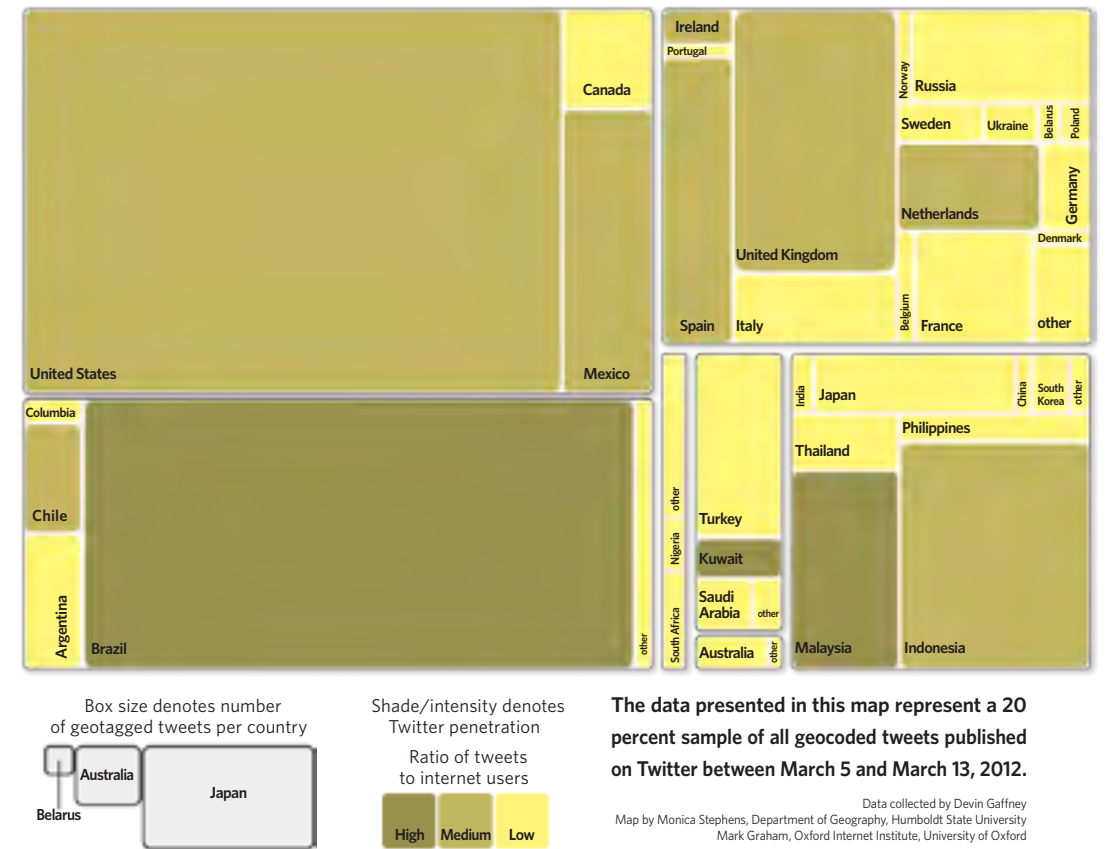
GEOGRAPHY PROFESSOR MONICA Stephens created this "map" of the world's twitter action with a colleague from the Oxford Internet Institute. It's based on about 4.5 million randomly selected, geocoded tweets from March 5-13.

Twitter, they concluded, "might be allowing for a 'democratization' of information production and sharing because of its low barriers to entry and adaptability to mobile devices." On the flip side, they say that censorship could explain China's meager showing.

The map was featured in *The Atlantic* and a number of other media outlets.



Professor Stephens blogs and shares her data-rich graphics at www.floatingsheep.org



Students Put HSU's Massive Plant Collection Online



A DOZEN HUMBOLDT State undergraduates have completed a three-year, \$125,000 National Science Foundation project creating a vast database of nearly 73,000 specimens in HSU's Vascular Plant Herbarium.

The digitization links Humboldt State's Herbarium, founded in 1960 and now the largest in the California State University system, with counterparts statewide.

Records of the vascular herbarium's California specimens are uploaded to the Consortium of California Herbaria website, administered by UC Berkeley.

Concurrent with the completion of the database project, the herbarium recently marked the acquisition of its 100,000th specimen.

Herbarium collection manager Robin Bencie said students and other users will find the new database a versatile resource for many different types of projects and all kinds of science majors. Researchers will be able to pinpoint which species grow in specific locations and which plants they should expect to find in differing habitats and elevation zones. They will be able to

establish which species commonly grow together and determine which species remain or disappear in areas of disturbance, such as fire locales.

In addition, scientists and students will be able to:

- ▶ ascertain the best places for a field study site and which areas have not been thoroughly investigated floristically
- ▶ find locations for uncommon plant species or habitat types
- ▶ track changes in plant distribution, both natives and weeds
- ▶ learn the best time in the season to collect flowers, fruits, seeds, or propagation material from different parts of the state or different elevations and determine if there is a site near their restoration area where they can obtain seeds or transplants.



Visit the California Consortium of Herbaria at ucjeps.berkeley.edu/consortium

Library Partners with Yale to Digitize Local Historian's Photographs

HUNDREDS OF MID-20TH century photographs collected by the late university photographer Peter Palmquist ('65, Art) will soon be available online for students, researchers and historians, thanks to a partnership between the HSU Library and Yale University's Beinecke Rare Book and Manuscript Library.

The 700 images were taken by various Humboldt County photographers and document life in Northern California during the mid-1900s.

The photos are part of the Beinecke's Peter E. Palmquist Collection, an archive of hundreds of thousands of photographs, manuscripts, books and daguerreotypes that Palmquist collected between 1971 and 2001. Palmquist died in 2003.



Considered Humboldt County's most prolific researcher of historic photography, Palmquist's research interests included Humboldt County and Native American history; women in photography; the American West; photographic history and techniques.

He also amassed the largest collection of images by A.W. Ericson, a regional photographer who documented Native American culture and the Humboldt County logging, fishing, and shipbuilding industries between 1880 and 1930.

The photos will be scanned by the Beinecke and housed on the library's website later this year. "This is a great partnership that meets the HSU Library's mission of increasing access to resources, while supporting scholarship worldwide," says Library Dean Teresa Grenot.

...

For more information on the collection, visit library.humboldt.edu/humco/holdings/palmquist.htm



Peter Palmquist, the university's photographer from 1961 to 1989, is considered Humboldt County's most prolific researcher of historic photography, amassing an enormous collection of photographs, manuscripts and daguerrotypes from 1971 to 2001. The Peter E. Palmquist Working Photograph Collection at HSU is searchable through the library's special collections website.

Students, Faculty Create Digital Archive for Lost Language Notebooks

NOTEBOOKS THAT COULD hold clues to understanding a nearly lost Native American language will be available to scholars in digital format thanks to the work of students and faculty at HSU's Cultural Resources Facility.

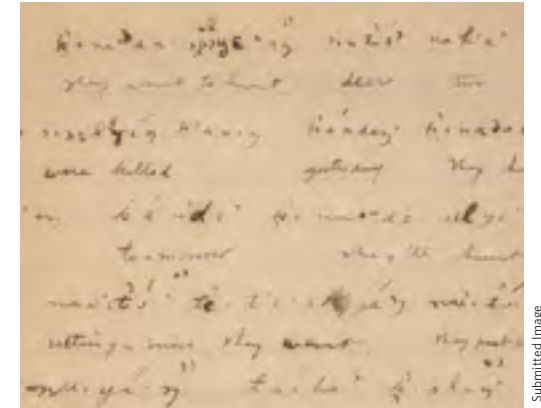
The notebooks contain the work of Chinese linguist Li Fang-Kuei, who came to the North Coast from China by way of the University of Chicago where he earned a graduate degree in linguistics. Li was initially investigating a lead that suggested aboriginal Thai languages shared characteristics with Northern Californian Native American languages—in this case the language of the Wailaki People, who are descendants of the southernmost Athabaskan tribe of Southern Oregon and Northern California. The lead turned out to be a dead end, but it didn't prevent Li from creating a valuable artifact for today's scholars.

"If we only had one chance to document the language, we're very lucky it was Li," says Victor Golla, professor of Anthropology and an expert on American Indian languages. "He allows us to understand the grammar and not simply vocabulary. That alone puts it heads and shoulders above other sources."

According to Golla, the language is basically extinct except for re-learners studying the language from notes. The digital archive being created will make these notes available to a new generation of researchers.

The notebooks came to HSU through Golla's professional connections and will eventually be transferred to a facility with extensive Native American collections. During the documents' time in Arcata, students including Perry Lincoln and Brandy Hurtado are doing the careful work of transcribing and scanning Li's documents. Hurtado's ultimate goal is to preserve the documents, while Lincoln's aim is to secure revival. "My dream is to have a class teaching whatever we can find," Lincoln says.

"Documents aren't the language; they just document it," Golla says. "But for American Indian languages in general, this collection is very good. People could create a new use—a revitalization—of Wailaki from these notebooks. And that is significant to people, because part of reviving language is redefining who you really are."



TOP: Professor Victor Golla and students Nikki Martensen and Brandy Hurtado, foreground, pore over notebooks containing remnants of the extinct Wailaki language. **BOTTOM:** The delicate, yellowed pages are stored in pH neutral envelopes and handled with special gloves to protect the paper from skin oils.

Fulkerson Hall Relights for Energy Savings

FULKERSON RECITAL HALL is cutting 85 percent of its electricity use with newly installed LED stage lights as a part of a student-designed project managed by the Humboldt Energy Independence Fund (HEIF).

With help from Plant Operations electrician Bill Clem, HEIF graduate student intern Laudie Jamous designed the project, which includes some 30 dimmable LED stage lights. The new fixtures will dramatically reduce the recital hall's energy use by

saving 22,500 kilowatt-hours of electricity and displacing 5.4 tons of carbon. It's estimated the fixtures will save the university \$3,500 a year.

The 60-watt bulbs will also produce better light quality on stage, says HEIF manager and graduate student Kirstin Hervin. The existing 500-watt incandescent bulbs produce one dense hot spot and a halo of light, whereas the LEDs will distribute light more evenly, making it easier to read sheet music, she says.

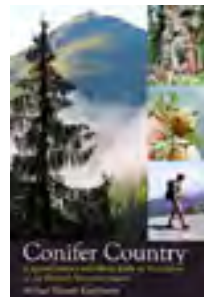


Submitted Photo

Grad Student's Book Welcomes Visitors to 'Conifer Country'



MICHAEL KAUFFMAN, a Biology graduate student and lecturer at HSU, has published a guide to the trails and plant species of the Klamath Mountain region. The book, *Conifer Country*, available from Backcountry Press and at the HSU Natural History Museum, provides an in-depth guide to the biodiversity of the territory with special attention to the majestic conifers found there.



Submitted Images

"Conifers are often windswept and charismatic," Kauffman says. "I like to think of the mountain conifers as the crowning jewels of the Klamath."

The book contains 29 hiking trails spanning the Klamath Mountain region of Northern California and Southern Oregon. Each trail acts as a tour of the 35 ancient conifers that live in the area. As a bonus for Kauffman, the book also meets requirements for his Master's degree. According to Kauffman, the project is an example of the kinds of work coming out of a new degree pathway in the Department of Biological Sciences.

Professor Jeffrey White, Kauffman's advisor, says projects like this provide unique opportunities for students and the community. "I am very excited to be a part of this new option that trains and financially supports students in the art of communicating rigorous science to broad audiences," says White.

Kauffman, who also holds a teaching credential, is an educator who noticed in his students a lack of enthusiasm for the natural world. This awareness, coupled with his own love of backpacking, led him to write the book. "I wanted to connect people to nature by helping them have a more authentic experience with it," he says. "If you're engaged with the natural world, you're going to care more about it."

Of the 29 hiking trails highlighted in *Conifer Country*, Kauffman says, the most popular is Canyon Creek. This demanding, 11-mile round-trip hike near the town of Junction City, Calif., showcases 14 different conifers. Among them is the rare Brewer spruce, which only exists in the Klamath region.



Michael Kauffman presents the talk "Conifers of the Klamath Mountains," at the HSU Biodiversity Conference 2012, on Saturday, Sept. 29. For more info, visit humboldt.edu/biodiversity

Left: The Brewer spruce, featured in Michael Kauffman's *Conifer Country* only grows in the Klamath mountain region.

HOMECOMING & FAMILY weekend

October 19-21, 2012
humboldt.edu/homecoming

Humboldt State's Homecoming & Family Weekend is just around the corner. Mark your calendar for Friday Oct. 19 and Saturday Oct. 20, and join Humboldt State for all the fun!

- Homecoming Game vs. Dixie State
- Tailgate Party & Foodtruck Festival
- Faculty Lectures
- Campus Events and More!



Osher Foundation Gives \$500,000 for Transfer Student Scholarships

THE BERNARD OSHER Foundation has given a gift of \$500,000 to Humboldt State University to create a scholarship program for transfer students.

The gift establishes an endowment to award 10 \$2,500 scholarships each year, in perpetuity, to students from California community colleges. HSU's first Osher Scholars will be selected for the 2013-14 academic year.

"This is an extraordinary commitment, and we are so grateful," said HSU President Rollin Richmond. "We know there are many deserving students who need financial help so that they can complete their four-year degrees. This will make a real difference."

"Once the Foundation began its endowed scholarship program for California's community colleges, we became ever more aware of the challenges facing students who wanted to continue their education and earn a baccalaureate

degree," noted Mary Bitterman, Foundation president. "We have been grateful to Humboldt State University for excellent stewardship of its Osher Lifelong Learning Institute, and we are confident that HSU's administration of this new endowment gift will benefit generations of students to come."

This is the second major endowment at Humboldt State created by a gift from The Bernard Osher Foundation. The first was a \$1 million endowment for the Osher Lifelong Learning Institute on campus. The HSU OLLI program, one of 116 at universities nationwide, offers classes for those 50 and over.

The Bernard Osher Foundation, headquartered in San Francisco, was founded in 1977 by Bernard Osher, a respected businessman and community leader. The Foundation seeks to improve quality of life through support for higher education and the arts.

The Foundation provides scholarship funding to colleges and universities across the nation, with special attention to re-entry students. It also supports a national lifelong learning network for seasoned adults, The Osher Lifelong Learning Institutes, and it benefits programs in integrative medicine in the United States and Sweden. In addition, the Foundation funds an array of performing arts organizations, museums and educational programs in the San Francisco Bay Area and in Osher's native state of Maine.

To be eligible for the new scholarships, students must transfer from a California community college and be entering, or have entered, HSU at the junior level or above. They must also demonstrate both financial need and academic promise.

Students will be able to apply for the scholarship through the HSU Financial Aid Office's website later in the fall semester.

campus scene

Gear Heads

Cycling is on the Ascent at Humboldt State

WITH A GREAT showing this year at nationals and several victories in their home region, Humboldt State University's Cycling Club is forging a reputation as one of the premier collegiate cycling clubs on the West Coast. Last March, the team hosted the Humboldt State University Road Race, pictured here, which featured a grueling criterium, team time trials and a 30-mile road race. HSU grabbed a second place finish in the team time trials and rider Hayley Umayam stole the show, winning the campus criterium one day after winning the 30-mile road race in the Women's B category.

▶ In April, the team secured its second consecutive Division II Western Collegiate Cycling Conference Championship in road racing. Team rider Luke Ramseth was also named the overall Division II Conference Champion for the second year. Umayam came in second and Traci Kroll third in the women's overall conference standing.

▶ The club is just as competitive on a trail as on a road course. The team holds multiple NCCA Division II Mountain Bike Championships, plus the team has twice held the Division II National Down Hill title, once for women's downhill and once for men's. Rider Matt Schiff won an individual national championship title in cross-country in 2011.

▶ The cycling club is not just a team, but also a class with Journalism Professor Victoria Sama. Members receive two credits and learn about administrative issues, organization, training, dieting, preparation and bicycle maintenance.

▶ Cycling is big on campus. Center Activities offers classes in bike maintenance and basic cycling skills for both road and mountain biking. The volunteers at the Bicycle Learning Center (located behind the Depot) offer free training to help students maintain their bikes.



STAY CONNECTED: Get all the latest news from the team, by searching Humboldt State Cycling on Facebook.com or follow the team's blog at humboldtcycling.wordpress.com



A Period of Change: 1963-1987

Humboldt magazine continues its look into the history of Humboldt State with this latest installment of our historical timeline. From 1963 to 1987 enrollment growth and an expanding campus marked this period of HSU history.

May 1963

Humboldt State celebrates 50th anniversary. Adopts Greek motto: "Phos Aletheia" (Truth and Light)

Oct. 1964

Ronald Reagan visits campus during his campaign for governor.



1967

Students protest U.S. incursion into Cambodia.



The speaker's stump was a prominent feature on campus during the '60s.

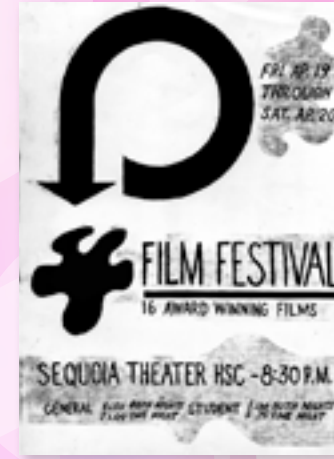
1966

Marine laboratory opens in Trinidad. Lab is renamed the Telonicher Marine Lab in 1979.



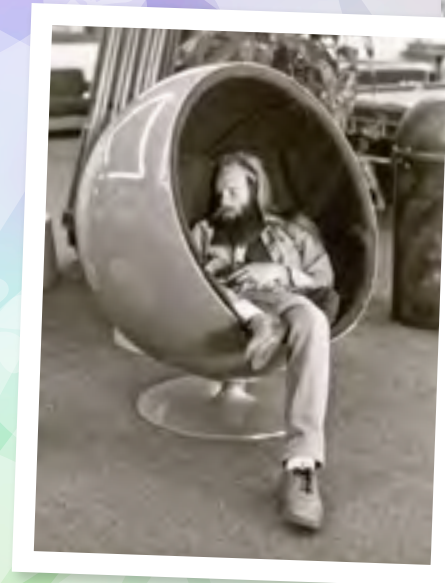
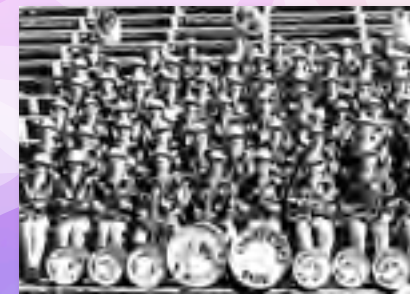
1968

Inaugural Humboldt Film Festival is held. Currently, it's the longest-running student-led festival of its kind.



1968

Marching Lumberjacks return as campus scatter band after a 10-year absence.



The College Union, built in 1971, and known today as University Center, featured pod chairs, which were great places to grab a nap.



In 1970, President Cornelius Siemens and his wife Olga present the Maharishi Mahesh Yogi with a carved redwood bowl. The maharishi visited Humboldt State for a month-long teacher training course attended by 1,400 followers.

1972

Humboldt State College renamed California State University, Humboldt. This doesn't last long. By 1974 the school is known as Humboldt State University.

1979

Arsonists set fire to Forestry Building, which reopens in 1980.



1986

Aviary completed for Wildlife Department.



1987

Wells Fargo donates its former building, which then becomes home to HSU's Natural History Museum.



Sources: "A View from the Hill" by former HSU History Professor William R. Tanner and "Humboldt State University: The Campus History Series" by HSU alumna Katy M. Tahja ('70, Communication)

Photos and Memorabilia Courtesy of the HSU Library, Humboldt Room; University Advancement Yearbook Collection; Humboldt Alumni

'15 Strokes'

Rowing Team Stays Focused, Wins First-Ever National Title

Jarad Petroske

With fewer than 250 yards to go in their final race, the student-athletes of HSU's Rowing Team proved they had what it took to win the national title.



“When Harris said ‘15 strokes,’ a weird power just came out and I knew I was going to pull with all I had.” —Rower Jacki McPherson



Photos Courtesy of Erik Dresser/row2k.com

Rowers in the Varsity 8 boat celebrate their victory over Western Washington University in the 2012 NCAA Division II championship race.

BY THE TIME coxswain Katie Harris called the last stroke in this year's national championship event, HSU's Varsity 8 (V8+) rowers knew that victory was in hand. “There was no way we were going to get second. It just wasn't going to happen,” recalls rower Chyna Balonick.

In the final 15 strokes of the race against seven-time defending champions Western Washington University, Harris called for a sprint. The call came a few strokes ahead of where the team had plotted its move leading up to the race, but thanks to a season of rigorous training, the rowers were ready for the pounce.

“When Harris said ‘15 strokes,’ a weird power just came out and I knew I was going to pull with all I had,” says Jacki McPherson. The rest is history. The team crushed Western Washington in the last 250 meters and won the national title outright.

“To see the actualization of that dream was really exciting,” head coach Robin Meiggs said. “I really felt they would do it this year. It was the calmest I've ever been in my coaching career. I'm so proud of them.”

The next day the team was back in Arcata for a winner's reception and a few days later, Meiggs earned her second consecutive Collegiate Rowing Coaches Association Coach of the Year honors.

365 Days Until Nationals

THAT'S HOW THE rowers remember the end of the season, the final triumph at the 2012 National Collegiate Athletic Association Div. II Rowing Championships. But the story of how the team went from a third place finish in 2011 to the best team in its national division began in the dark autumn mornings on the waters of Humboldt Bay.

After the team's laudable finish in 2011, one rower wrote “365 days to Nationals” on a whiteboard in assistant coach Pat Hyland's office. The board was updated daily to remind the teammates why they woke at 4:30 a.m. to meet at the Humboldt Bay Aquatic Center's boat house and train alongside fishing boats and harbor seals.

If you're lucky enough to be on the water during practice, it's easy to see why these rowers are among the best in the nation. It begins with discipline. The significance with which rowers regard their sport is palpable in their every movement: from hoisting the 200-pound streamlined boats delicately into the water from the dock, to the 17 hours of practice they record each week of the season.

Beyond the dedication, there's their sheer power. The combined strength of the rowers in the V8+ boat is enough to propel the craft at nearly 10 knots, or about 11.5 miles per hour—which is no small feat.

“During a full sprint, it's not uncommon for rowers' heart rates to reach 187 to 192, which is very close to maximum effort,” says Meiggs. The rowers, who number either four or eight (plus a non-rowing coxswain) in varsity and novice boats, must find the perfect rhythm to exploit that power and convert it to forward momentum. It's all about synchronicity and perfecting every motion. “It's the ultimate team sport and we practice a lot in order to find the perfect match for each boat,” explains assistant coach Adrienne McConnell.

When it comes to competition, nearly all meets take place away from home. In fact, the team hosts just one home regatta, the Dual of the Bay, which this year it handily won over Mills College in March.

Building Momentum

SHORTLY BEFORE THE home victory, the team ranked third in the NCAA Division II, behind only Mercyhurst College and Western Washington University. It was clear to Humboldt's rowers that they were in contention for the top slot at the nationals as the countdown to May continued on Hyland's whiteboard.

The whole season turned into a build-up toward nationals. The coaching staff reworked the weight-training program. The coaches kept after the rowers to stay fit and fed—Coach Meiggs plied the rowers with offers of a fruit stand in her office and untold numbers of granola bars. “We really did visualize victory all season,” says Harris. “Fitness played a major role.”

As the season rolled on, the team continued to rack up victories: a conference title at the Northwest Collegiate Rowing Conference Championship Regatta in mid April; two gold medals at the Western Intercollegiate Rowing Association regatta a week later.

In truth, the momentum had been building for the title since the team's second place finish in the nationals several years back. “We have a silver trophy from 2004, but I always told (assistant coach) Pat Hyland I wanted a gold one,” said Meiggs. “Ultimately those trophies will collect dust, but it's the experience that will stay with the team the rest of their lives.”

Assistant Sports Information Director Sammi Sheppard contributed reporting for this article. 



Follow the 2012-13 Rowing Season at HSUjacks.com



Rowing head coach Robin Meiggs has been named the Collegiate Rowing Association's Coach of the Year for two consecutive years. During practice on Humboldt Bay, Meiggs communicates with her rowers with a megaphone from a small motor boat, called a launch.

Quick Look: Rowing at HSU

THE 2012 RACING SEASON marked the 18th intercollegiate season for the women's rowing team. The team was founded in 1994 when HSU expanded its offerings for female athletes. Coach Robin Meiggs has guided the transition from a competitive club sport, to a nationally ranked NCAA Division II team.

- In 2010, the team won the Western Intercollegiate Rowing Association (WIRA) Championship. HSU was the first Division II team to win the tournament, which had traditionally been won by Division I schools.
- In 2004 the team's Varsity 4 boat won an NCAA National Title, and the team finished second overall in the points standing.
- HSU also hosts a men's crew team, which operates as a club sport. Founded in 1975, the club currently fields about 25 rowers. The team took home a gold medal for a Novice Lightweight 4 boat at the 2010 WIRA championships.

Photos Courtesy of Erik Dresser/row2k.com

BIG IMPACT

**HOW HSU RESEARCHERS ARE CHANGING OUR
UNDERSTANDING OF CONCUSSIONS**

Arianne Aryanpur and Desiree Perez

Researchers at Humboldt State are adding to a growing body of scientific knowledge about the nature of concussions. Are mild traumatic brain injuries something athletes can shake off or is there something more to them?



FOR MANY ATHLETES, IT CAN seem nothing is worse than a career-ending injury. Bone fractures or torn ligaments can hamper a promising athletic career, but what about injuries that aren't immediately manifest when they occur? With the case of concussions, many athletes are able to walk away and even try to play the next day. But what about the long-term effects on their brain's ability to think and process information?

There is a growing concern in athletics at all levels about concussions. Athletes, coaches and parents are all trying to better understand the short- and long-term effects, and the North Coast Concussion Program and a faculty member in the Department of Kinesiology are adding to a growing body of research.

So what exactly is a concussion? Scientists define it as a mild traumatic brain injury caused by a blow or bump to the head or body and, according to the federal Centers for Disease Control and Prevention, they're not exactly uncommon. Some 3.8 million sports- and recreation-related concussions are reported each year.

With recent high-profile suicides in the NFL potentially stemming from the long-term effects, athletic officials and universities are bringing a new focus to understanding these injuries. Just this June, the NCAA announced it is joining forces with schools in the Ivy League and the Big 10 to try to understand how concussions are affecting student-athletes.

The North Coast Concussion Program is located in a small lab tucked in the Kinesiology & Athletics Building. The program welcomes student-athletes and community members to take part in a 20-minute test to determine their baseline cognitive state. Since 2008, more than 3,000 athletes have participated. The program stems from alumna Beth Larson's ('10, M.S. Kinesiology) graduate research and builds on the research of HSU faculty member, Justus Ortega.

Larson, who is also a lecturer in the Kinesiology department, gives all HSU student-athletes an immediate post-concussion assessment and cognitive test (or ImPACT test) during the pre-season. The computerized test is a standard from middle school to professional sports. It is used to evaluate thinking and reasoning ability, including attention span, reaction time and memory.

These baseline data are used to determine how an athlete functions normally and compare that to post-concussion performance. Students, faculty, staff and community members are also invited to use the program's services if they suffer a concussion.

After a head injury, an athlete is sent to the concussion program for a follow-up evaluation. The ImPACT test is administered again, and the results are compared to the baseline.

The test helped Katelyn Smith ('13, Kinesiology) determine when to return to the rugby field after sustaining a mild concussion last year. Although rugby is a contact sport, players aren't required to wear helmets.

After a hard tackle, Smith began experiencing confusion and sensitivity to light. She took the ImPACT test and it indicated a mild brain injury. She wasn't cleared to jog at first, but then slowly, she was able to return to play.

Students who resume activity too soon run the risk of permanent damage. Second-impact syndrome (SIS) is a deadly condition in which an athlete suffers a second, often mild hit before symptoms of her first concussion have subsided. The subsequent trauma leads to rapid brain swelling and in most cases death, Larson says.

SIS cases helped pass AB 25 last year, a youth concussion law in

California mandating that student-athletes suspected of suffering from a concussion be removed from play and receive a health care evaluation before returning to play, Larson says.

This year, Larson and her team began offering ImPACT testing to students in the Humboldt Del Norte High School Sport League, which includes 11 area campuses.

A recent session at Ferndale High School, not far from Arcata, attracted about a dozen athletes and their parents. Dannielle Petersen, who brought her daughter Abbigail—a soccer player—said she was grateful for the service.

"How else are you going to know how bad a concussion is? I don't want an untreated head injury to affect my daughter for the rest of her life," she said.

Part of Larson's work involves educating parents about just that. The idea is to inform family members about the preventative benefits of baseline testing. "It's kind of like wearing a seat belt," Larson says. "Why wouldn't you do it?"

Of course, educating parents and working with athletes who obviously had a concussive event are one thing. Larson's graduate research also probed the effects of mild head impacts, or subconcussive events—like the kind of bumps the noggin takes when heading a soccer ball.

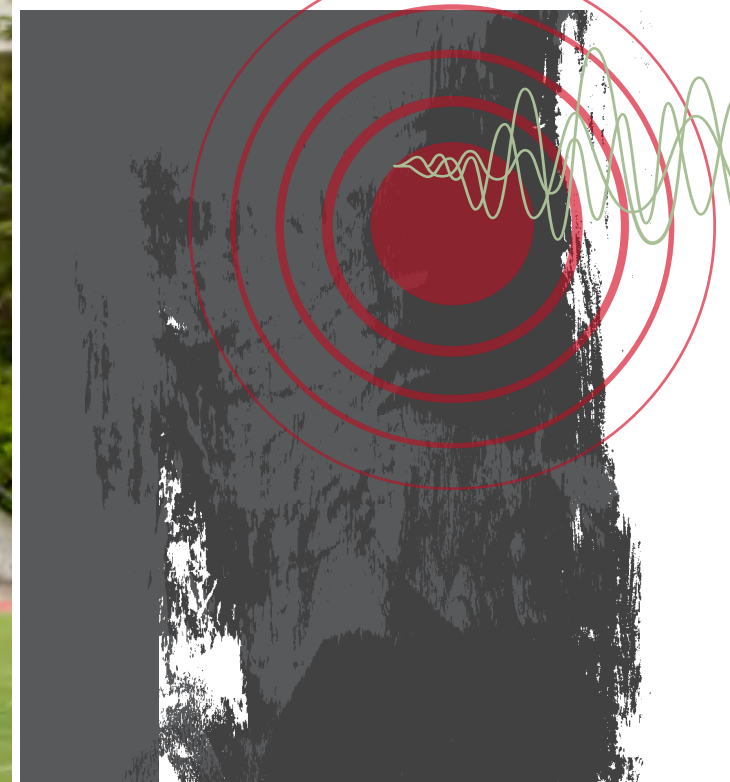
Larson found that players who self-reported as headers scored significantly worse on cognitive tests given pre-and post-season, while those who self-reported as non-headers

"HOW ELSE ARE YOU GOING TO KNOW HOW BAD A CONCUSSION IS? I DON'T WANT AN UNTREATED HEAD INJURY TO AFFECT MY DAUGHTER FOR THE REST OF HER LIFE."

**DANNIELLE PETERSEN,
COMMUNITY MEMBER**



TOP: Beth Larson throws a soccer ball to former HSU soccer player Tamlyn Tsubota. **LEFT:** Self-reported headers score significantly worse on cognitive tests, according to Larson's research.



scored as well, if not slightly better than, their initial test. Headers were also found to score significantly worse in the area of visual memory. While no definitive links between sub-concussive blows and long-term cognitive impairment have been made, establishing a strong baseline dataset is essential to pushing the research forward.


What Larson really wants to know is what a pre-and post-concussed brain looks like in a range of people, from hardcore athlete to regular Joe. Her work also adds to the studies of another HSU researcher, Kinesiology Professor Justus Ortega.

In 2010 Ortega and former HSU Professor Anthony Kontos co-wrote a chapter in "The Handbook of Sports Neuropathology." Their collaboration covered the effects of concussion on mental function and balance while a person is standing or walking.

During his research, Ortega noticed that he had seen similar behavior from impaired people taking police field sobriety tests, which include standing on one leg, walking a line and turning around, and checking for erratic eye

movement. Essentially, the police are looking at a person's ability to perform a physical task that requires balance, while also doing a mental task. "A drunk person basically can't multitask," Ortega says.

The impairments that he noticed are called lateral instabilities, and they—along with cognitive performance—are what Ortega has dubbed the "HSU Johnny Cash test." In the test, a person suspected to have a concussion has to "walk the line." At the same time, he or she is given neurocognitive tests, such as counting down in increments of three and memory tasks. Each time a subject falters from the line, he or she gets an error added to the score. The hypothesis is that a person suffering from a concussion will register many more errors walking the line than he or she would if uninjured.

Currently, Ortega is working with the Department of Defense on a grant proposal to expand his research. As a researcher who has worked with the National Institutes of Health to probe the effects of aging on walking performance, Ortega's work could have broad and wide-ranging impacts. 



At Ferndale High School, student-athletes conduct a computer-based cognitive test, which measures factors like attention span, reaction time and memory.

WHAT ARE THE

SIGNS OF A CONCUSSION?

While no two athletes respond to a concussion in the same way, it's important to know the common signs of a traumatic brain injury.

OBSERVED SYMPTOMS

- Dazed or stunned
- Unsure of game, score, or opponent
- Moving clumsily
- Answering questions slowly
- Losing consciousness (even temporarily)
- Behavior or personality change
- Forgetting events prior to the incident
- Forgetting events after incident

REPORTED SYMPTOMS

- Headache
- Nausea, vomiting
- Balance problems, dizziness
- Double or blurry vision
- Sensitivity to light
- Sensitivity to noise
- Feeling sluggish or groggy
- Concentration or memory problems
- Confusion

According to Humboldt State researcher Beth Larson ('10, Kinesiology), athletes should not resume activity until their symptoms have cleared, their results from the immediate post-concussion assessment and cognitive test (or ImPACT test) have been returned and they've been cleared by a health care professional.

SAMPLE COGNITIVE TEST

1



2



3



First, a screen with about 30 Xs and Os appears. Three random letters are yellow and the rest are black.

Then, a speed test, in which the "Q" button is hit as quickly as possible when a red circle appears and a "P" button when a blue square appears.

Lastly, the original Xs and Os reappear and the test taker has to recall which ones were yellow by clicking on them.

ADVENTURES OF MUSHROOM HUNTERS

HSU's trailblazing mycologist Terry Henkel and students hack their way through South American jungles to uncover the secrets of tropical fungi

Arianne Aryanpur

Photos Courtesy of Terry Henkel, Jessie Uehling and Arthur Grupe



Terry Henkel and Jessie Uehling (M.Sc. '12 Mycology) display an assortment of fungi collected from field expeditions to the rainforest.



ORANGE MUSHROOM FROM LEFT TO RIGHT: Various sizes of *Amanita calochroa*, a species discovered by Henkel unique to the Pakaraima Mountains of Guyana.

The rain had just started to clear by the time Terry Henkel and his expedition crested the 6,000-foot summit of Mt. Ayanganna in Guyana, South America. They'd spent the past few days using machetes and climbing rope to traverse the country's dense bush, and were now surrounded by the surreal vegetation of the elfin cloud forest.

On the other side of the peak lay a tropical rainforest: a mushroom hunter's paradise. But as Henkel led his team in single file down the mountain, something caught his eye. Up ahead, illuminated in a beam of sunlight was a swarm of marabunta wasps—a species so aggressive they're nicknamed "horse killers."

"When you see a jaguar, you don't move, but stare it down," Henkel says. "But with the marabunta, you run as fast as you can in the other direction. Unfortunately, in this case we had to run straight down a steep, slippery mountain slope."

It may sound like something out of an episode of *Survivor*, but for Henkel—an HSU mycology professor and leading expert on tropical mushrooms—it's all in a day's work. For the past 20 years, Henkel

has led students and colleagues on mushroom hunting expeditions to the Pakaraima Mountains of Guyana, one of the most biodiverse and poorly-studied regions of the world.

Over the course of his career, he's made significant contributions to the field of tropical biodiversity and rainforest ecology, and discovered many new species of fungi. Earlier this year, he was named HSU Scholar of the Year by President Rollin Richmond.

"His research has helped shape our understanding of tropical forests and led to many new lines of research inquiry on tropical forest mycology," writes Kabir Peay, a professor at Stanford University in a nomination letter for the award.

Adds Forestry Professor Steve Sillett: "Here's tropical mycology at its finest and most adventurous, exploring uncharted terrain in remote tropical rainforests and unearthing amazing secrets."

A Mushroom Hunter's Paradise

LOCATED IN NORTHEASTERN South America, Guyana is home to thousands of unique plants and animals. It remained virtually unexplored until the 1980s, when the Smithsonian Institution launched the Biological Diversity of the Guiana Shield Program, designed to document the region's diverse flora and fauna. Henkel worked on the program for two years before securing grants to fund his own expeditions through the National Geographic Society, the National Science Foundation, and other organizations.

Since becoming a faculty member in HSU's Department of Biological Sciences in 2002, Henkel's research has

focused on ectomycorrhizae (ECM), a plant symbiosis that forms underground networks of "hyphae" around the roots of certain trees. ECMs are important because they have a unique capacity to help plants absorb vital nutrients from the soil. They're also particularly important in the study of forest ecology and biodiversity in the South American tropics. Says Henkel: "Much of my early research in Guyana involved unraveling the role of ECMs in promoting forest dominance by individual ECM tree species, a rare phenomenon in the tropics."

Henkel estimates that over 70 percent of the mushrooms his team collects are new to science. So far, they've formally named nearly 100 new species, but he says that hundreds more await the detailed study necessary to bring them to publication.

Among the most memorable? *Boletellus piakaii*, a species that Henkel named after his son, Piakai, who discovered the original specimen of the mushroom. There's also *Amanita cyanopus*, known colloquially as "Henkel's Blue Foot Amanita." The fungus' defining characteristics include a rich blue color and strong chlorine odor.

One of Henkel's recent discoveries was a new genus of truffle fungus. It is a wood-decaying fungus unique to Guyana that has a bulbous,



Trekking to Mt. Ayanganna, Guyana.

FACING PAGE: Mt. Ayanganna expedition, June 2012. Team members (front to back) Shawnee Gowan (HSU Botany), Jessie Uehling (MSc. '12 Mycology), David Clark (UNC-Ashville, botanist), and Dan Thompson (BSc. '12 Botany).



wart-like exterior and gelatinized pink center, with spores apparently dispersed by termites. Henkel and his colleagues named it *Guyanagaster necrorhiza*, which roughly translates to “stomach fungus from Guyana that kills roots.” “It’s great fun picking these names,” Henkel says.

One of the most rewarding parts of these endeavors is being on the biodiversity frontier, Henkel says. “Most of these tropical forests haven’t been explored for fungi, so putting these species on the map is a big motivator. For me, it’s a great way to combine science with hard core adventure.”

From Field Collection to Publication

HENKEL HAS INVOLVED numerous students—both from HSU and Guyana—in his research. Several have gone on to prestigious Ph.D. programs, including at his alma mater Duke University. One of the most recent, Jessie Uehling ('12, Mycology), will begin her doctoral studies there this fall.

Uehling’s master’s thesis grew out of her four field expeditions to Guyana. She focused on identifying new species in the genus *Clavulina*. Her discovery of the new species *Clavulina cerebriformis* was the subject of a paper published in the scientific journal “Mycologia” in June, and was one of four such articles she published while at HSU.

Since 2002, Henkel has published more than 50 peer-reviewed articles, nearly half co-authored by HSU graduate or undergraduate students. To put this in perspective, it takes an average of one year to publish a taxonomy paper after collecting a new mushroom.

“The taxonomic process runs the gamut from field collection, description, and preservation, and getting out of the field with specimens intact,” says Henkel. “Then, back in the lab, many hours of microscopic and DNA analysis, and comparisons with herbarium specimens from around the world—all this to figure out if you have a new species. If so, then drafting of the manuscript is the next step,” he says. “I have several lifetimes of work residing in my herbarium cabinets.”

Collecting the mushroom is just one step in a long process. After a day of collecting, Henkel and his team return to their rustic camp to sort the fungi into species. Each species is first given a number, then a detailed description in a field notebook. The collection is photographed, and a small amount of tissue is extracted for subsequent DNA analysis. The collection is then dried with silica gel desiccant, which leads to a perfectly preserved specimen for further laboratory study. “To accomplish this under the torrential downpour conditions of the Guyana rainy season is challenging, but we get it done,” Henkel says.

Along with morphological analysis, identification of mushrooms involves obtaining DNA sequences from the fruiting bodies and, in some cases, the ectomycorrhizal roots themselves. DNA sequence data for new species is routinely added to GenBank, an online sequence database administered by

HUMBOLDT STATE

San Francisco

Houston

After leaving Arcata, it takes Henkel and his US team up to two full weeks before they’re picking mushrooms in the jungle of Guyana. A sample travel itinerary:

- **Domestic Air Travel:** Fly from Arcata to San Francisco, hop on a red eye flight to Houston.
- **International Air Travel:** Catch another flight to Trinidad and Tobago; take another red eye flight to Georgetown, the capital of Guyana; clear immigration and customs.
- **Load equipment and passengers on a nine-seater Islander aircraft into the jungle.**
- **Carry supplies for 1-10 days into the jungle.**
- **Set up base camp.**
- **Begin field research.**

THE FUNGI OF SOUTH AMERICA’S GUIANA SHIELD

One of the most biodiverse and poorly studied regions of the world, the Pakaraima Mountains of Guyana are home to thousands of unique plant and animal species. Here are some of the mushrooms Henkel and his students have discovered there.

Guyanagaster genus

This new genus of wood-decaying truffle fungus has a bulbous, wart-like exterior and gelatinized pink center, with spores apparently dispersed by termites. Henkel and his colleagues named it *Guyanagaster necrorhiza*, which roughly translates to “stomach fungus from Guyana that kills roots.”



Boletellus piakaii

Boletellus piakaii is a species that Henkel named after his son, Piakai, who discovered the original specimen in the forests of Guyana.



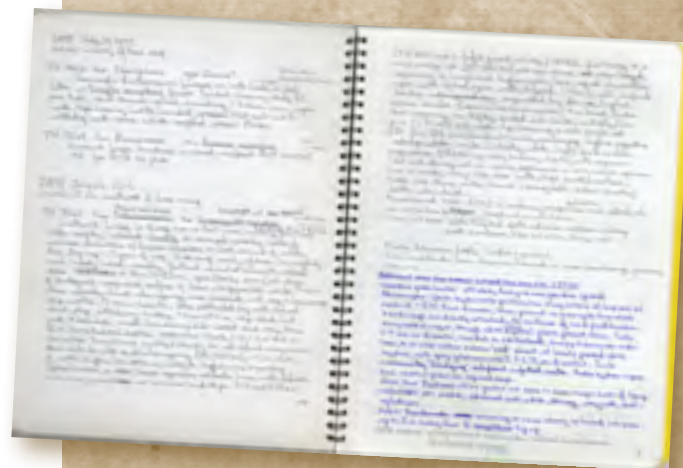
Amanita cyanopus

Known colloquially as “Henkel’s Blue Foot Amanita,” this fungus’ defining characteristics include a rich blue color and strong chlorine odor.



Clavulina cerebriformis

Graduate student Jessie Uehling’s (MSc. '12, Mycology) master’s thesis focused on identifying new species in the genus *Clavulina*. Her discovery of the new species *Clavulina cerebriformis* was the subject of a paper published in the scientific journal “Mycologia” in June, and was one of four such articles she published while at HSU.



Henkel and his students assign each mushroom species a number, then write a detailed description in a field notebook.

Photos Courtesy of tropicalfungi.org

"You have to be seasoned in the backcountry, have a high threshold for physical discomfort, and be ready to engage the wilderness on its own terms." ~Terry Henkel



LEFT: Working on specimens in the bush camp (left to right) Francino Edmond (Patamona), Cathie Aime (mycologist, Purdue University), Piakai Henkel, Gwen Williams (Ph.D. student, Duke University) **BELOW:** Henkel leads a workshop for Guyanese students.

FACING PAGE TOP: Henkel holds up a *Clavulina craterelloides*, an unusual Guyana mushroom **BOTTOM:** Dugout canoes are a common mode of transportation in the bush.



the National Center for Biotechnology Information through the National Institutes of Health. One of Henkel's goals is to make that information available to researchers worldwide through his website, tropicalfungi.org. The site also contains information about what it's like to conduct research in Guyana.

'Engaging Wilderness on Its Own Terms'

OUTSIDE OF COLLECTING data and processing specimens, a lot of time is spent getting from one camp to another, Henkel says. That involves transporting heavy loads of provisions, hiking, paddling canoes and cutting trails through the forest. Since expeditions typically take place during the rainy season, very wet conditions prevail.

"I tell participants, this is a great opportunity for field research, but not if you're going to get homesick during six-weeks in the bush," Henkel says. "You have to be seasoned in the backcountry, have a high threshold for physical discomfort, and be ready to engage the wilderness on its own terms."

From stinging caterpillars to swarming wasps, the surprises are endless. "We've had floodwaters fill our camps, leaf cutting ants steal our rice, and baby sloths fall out of trees onto people in the depths of the forest," he says. "The list of the scary and sublime is long, but with time, you see it all."

Critical for success is having local guides. Over the years, Henkel has developed a close relationship with the Patamona Amerindians, the indigenous people of the central Pakaraima Mountains. In addition to navigating the obstacles of the bush, they serve as parataxonomists, helping to collect mushroom and plant specimens as well as setting up study plots and measuring and identify trees. Many have been working with him since the early '90s.

"The Patamona have inhabited the forests of the Pakaraimas for centuries, so whether it's surviving on wild forest foods or finding the best route through the jungle, they know an immense amount about how to live in this land," Henkel says. "We wouldn't get to first base without them."

In return, he shares his scientific knowledge with them. Henkel conducts biodiversity workshops in Guyana for community members, local students, and forest rangers. The goal, he says, is to help train a generation of Guyanese conservationists.

Conservation isn't a priority issue yet in Guyana since the country has remained isolated and undisturbed for many years. But Henkel thinks that will change.

"We're talking about one of the most intact, biologically diverse tropical regions in the world," Henkel says. "One day we'll need a core group of people who are educated in biodiversity, who can inform the planners and help the country establish and manage a system of parks and reserves."

He adds: "It's gratifying that we're able to study mushrooms, but also contribute to the larger picture of nature conservation in this unique part of the world."

...

Professor Terry Henkel presents at the HSU Biodiversity Conference 2012, on Saturday, Sept. 29. For more info, visit humboldt.edu/biodiversity



A Long Time Ago, in a Place Far, Far Away: Studying Different Times and Places

Professor Benjamin Marschke, Ph.D.



AGAIN AND AGAIN people in Europe ask me: “How does somebody in California become interested in studying European history?” Or they ask the inverse question: “What does somebody who works on European history do at a university in California?” Of course my answer is that European history is interesting, regardless of where one is located,

and that Californians need (and want!) to study European history, too.

My research field is the history of early modern Europe, that is, Europe from the Renaissance to the French

Revolution (approximately 1500-1800). More narrowly, I have focused my research on 18th-century Germany, especially Prussia. What’s Prussia? Prussia was the small country in northern Germany, which became a major power under Frederick the Great in the 18th century and ultimately united Germany under Bismarck in the 19th century.

So, who cares about what happened such a long time ago in a place so far away? As it turns out, most of us, whether we realize it or not, are very interested in issues from the 18th century. To name just a few: government spending, consumerism, gender roles, and higher education. These were key issues in the 1700s, just as they are today. They connect with four areas of my current research project: 18th-century political culture and symbology; money



Among the Germanic countries seen in this map depicting Europe in 1700, Prussia and its king, Frederick the Great, began the process of unification of Germany that culminated in the 19th century.

and luxury; gender and sexuality; and scholarly sociability and discourse.

First, the 18th century is generally regarded as the “age of absolutism,” but during this period ideas about government changed dramatically. In the earlier “baroque” model of absolute monarchy, the ruler legitimized his (or her) rule by appearing magnificent and being at the center of ornate ceremonies. By the turn of



King Louis XIV of France, left, was a monarch with grandiose style, while King Frederick the Great of Prussia embodied a more subdued manner.



the 18th century, this model was gradually falling into disfavor. Flashy demonstrations of rule by monarchs such as King Louis XIV of France (pictured) were increasingly seen as unimpressive, or even ridiculous. Instead, monarchs like the kings of Prussia emphasized their competence to rule by presenting an image of themselves as thrifty, even miserly—they dressed in unadorned military uniforms and publicly eschewed many of the ostentatious ceremonies connected with kingship (see the portrait here of the Prussian king, Frederick the Great). In turn, the public’s expectation shifted. They did not expect that their ruler should appear resplendent so much as they expected that he should manage the government well, especially its finances.

The new expectation that a government should spend tax money carefully and not run up large debts was related to a more general interest in money and luxury in the 18th century. This was the age of the “consumer revolution” in Europe, when for the first time common people began consuming goods from around the world on a day-to-day basis—just think of tea, coffee, sugar and tobacco. The consumption of these goods, and the expensive foreign-made porcelain and silver paraphernalia typically used to consume them, became quite common. At the same time, changes in fashion accelerated in the 18th century, so that clothes and accessories were quickly discarded and replaced. This consumer revolution brought forth new criticisms of “conspicuous consumption” and heated debates about what was “luxury” and what was “necessary” and whether or not the consumption of foreign luxury goods was good for public morality and/or the economy. These debates about consumerism seem eerily similar to the debates raging today.

Of course, it was women who were most sharply criticized for spending too much money on superfluous consumer goods in the 18th century, and this was just one aspect of the rapid

changes in cultural norms regarding gender and sexuality at the time. For example, the 18th century saw the “great masculine renunciation.” Throughout history it is typically the males (whether humans or animals) who are adorned with bright colors and/or flamboyant ornamentation. This changed in Europe in the 18th century, when men began to renounce flashy appearance. Increasingly, men’s fashions were marked

by somber colors, simpler clothes, and less ostentatious hair styles (or wigs), and it was increasingly seen as frivolous and vain (i.e., “womanly”) to pay too much attention to one’s appearance. We can easily recognize that these conceptions of masculinity and femininity, which were established in the 18th century, still influence how we think today.

The new ideas in the 18th century regarding government and politics, regarding money and luxury, and regarding the roles of men and women in society were discussed as part of the Enlightenment. During the Enlightenment people introduced and accepted new ways of arguing. Rather than tradition or the social rank of the person arguing, a new emphasis was laid on rationality and transparency and open sociability. Moreover, people adopted new venues in which to argue, such as scholarly academies and journals, as well as popular periodicals, coffee houses, and clubs. Scholars were increasingly expected to teach “practical knowledge,” rather than traditional subjects that seemed to have no real-world applicability. (This will sound familiar to anyone following the 21st-century debates regarding higher education). As entire fields of study were denounced as invalid, scholarly debates became especially vociferous and polemic—vulgar satires, vicious personal insults, and even violent assaults became common (and still make for titillating reading today). The Enlightenment thereby re-established not only what people argued about, but also how they argued and even the forums in which they argued.

In short, we still grapple with 18th-century issues in the 21st century: government efficiency, consumerism, gender roles, and education. So, the study of what happened a long time ago in a place far, far away is vital because it is the only way to understand the here and now. If we don’t know what happened before, then we can’t really know what is happening today. 📖

In Debut Feature Film, Alum Leverages Humboldt Connections



Filmmaker Maria Matteoli ('04, Film Production) directs actors Kelsey Chow and Ethan Peck on the set of "The Wine of Summer" in Eureka's Old Town.

IN THE SPRING, filmmaker Maria Matteoli ('04, Film Production) gave a standing-room-only Humboldt audience a sneak peek at her first feature-length film, "The Wine of Summer." Although it has yet to be released, the production has already generated a lot of buzz within the community and beyond. The story begins, when, at 20 years old, Matteoli took her first trip to Spain. As she sat and sipped her wine, *tinto de verano*, she was stirred by the romance of summer, of youth and by a sense of beauty and nostalgia. "I wrote a little note to myself that I was going to make a film that captured those emotions," she said.

"The Wine of Summer," written and directed by Matteoli, tells a story of love and longing in the intersecting lives of her characters, including James, who is portrayed by Ethan Peck, grandson of iconic actor Gregory Peck. The cast of "Wine" also includes Academy Award-winner Marcia Gay Harden.

James, the main character, decides to abandon his law career to pursue his lifelong dream of acting. After experiencing trials and disillusionment, he spontaneously travels to Spain where he has a chance encounter with the author of his favorite play, "Tinto de Verano," and the plot unfolds from there.

In a way, James' life has connections to Matteoli's own experiences. From a young age, she expressed an interest in film and directing. "There's literally a home video of me when I was 4, directing my family, saying 'Dad, hold this pillow here,'" she says. "In first grade, my teacher told my mom I would be a director."

Despite her natural gravitation to the art, Matteoli didn't immediately work to make film her career. In her early 20s, she was considering a career as a lawyer until a cousin encouraged her to follow her passion. At first, Matteoli pursued a career in acting, but later discovered her true love lay in creating films. After living in Switzerland, Italy and Southern California, the seventh-generation Humboldt native returned to the area to pursue her education in film production. She completed the three-year program in a year and a half.

Since earning her film degree, Matteoli has written, directed and produced close to 50 short films. Her work includes pieces for the Humboldt Made series, "Love, Humboldt," which highlights the people, places and products that make Humboldt County unique. At \$1.3 million, "Wine" is her biggest, most ambitious project yet. Despite its big-budget feel, however, the production itself was locally driven.

Behind the scenes, eight Humboldt State alumni contributed to the making of "Wine," including Director of Photography and Associate Producer Andy Rydzewski ('06, MFA Film Production). Former Theatre Film & Dance professor Jody Sekas and four of his students also worked on the film. "It's the best film script I've had the pleasure to work on," Sekas says. Most of Sekas' students were glad to have the production experience



TOP: Movie still courtesy of "The Wine of Summer." MIDDLE: Poster from the movie. BOTTOM: A number of HSU alums worked on the movie, including (center) Andy Rydzewski ('06), Associate Producer and Director of Photography.


as part of their education and film major Brittany White earned an official credit as a wardrobe assistant for her contributions.

While her crew traveled to Barcelona and Los Angeles for filming, the movie was also shot on site in Arcata and Eureka. Three days of filming took place on the Humboldt State campus, but a majority of the local scenes were captured in Eureka's Old Town. "Maria tried to keep it as local as possible," says Karina Estrada, an executive producer who helped to fund the film. "So many local businesses supported us throughout the process, and we got to put that support right back into the community."

The hometown connection was a unique experience for many of the film's cast, including Peck. "It warms my heart to work on a project with so many ties to the local community," he says. "The film is a story about personal interactions, and so it was really special to get to know the crew within the context of their lives. To meet families and friends and be included in Humboldt was so fulfilling."

Also unique to "The Wine of Summer," was the woman-power it packed. As a female and first-time director, Matteoli struggled to be taken seriously. So it was important—and empowering—for her to bring strong women into her production. "This truly is a female-driven film," Estrada says. "It's written, directed, produced and funded entirely by women. I'm proud to have that representation."

By coming in on-time and under budget, Matteoli's first feature-film experience proves she has the wherewithal to be a successful player in the film industry. Despite taking only three weekends to write, "Wine" is the culmination—fermentation, even—of a lifetime of experiences. "When I sat down to write, I told myself I had to make this movie this year," she says. "And I'm not going to stop."

Matteoli has entered "The Wine of Summer," in a dozen film festivals throughout the country and internationally. 



Jeffrey Levine: Career Diplomat Gets Estonian Ambassadorship

JEFF LEVINE ('76, Journalism) has been named the next U.S. Ambassador to Estonia by President Barack Obama.

Levine and his wife, Janie, will begin their three-year tour in the Estonian capital of Tallinn later this September. As ambassador, he will lead the embassy and represent the United States.

A career foreign service officer, Levine said he's looking forward to living in Estonia. "It's one of the most successful post-Soviet, post-Warsaw Pact states and a pioneer in e-governance, telecommunications and Internet freedom."

Growing up in the Bay Area, Levine never considered a career as a diplomat.

He was the first person in his family to attend college. And when he visited Humboldt State, he fell in love.

"It was beautiful and just far enough away from home," he says, adding jokingly. "I also had a natural prejudice against Southern California, being from the Bay Area."

Levine majored in journalism at HSU and after graduating, worked as a reporter for seven years at various newspapers, including USA Today.

"Humboldt definitely gave me a solid foundation in reporting that helped me get my first job," he says.

After several years in journalism, Levine decided to join the Foreign Service in 1985.

"I wanted to travel and interact with different cultures," he says of the career switch.

In the years since, Levine's job has taken him around the world. He's held assignments in Malaysia, Egypt, Cyprus and Bulgaria, and was most recently Director of the State Department's Office of Recruitment and Examination and Employment in Washington, D.C. From 2009 to 2010, he and fellow HSU alum Dan Travis ('92, Theatre Arts) served together at the U.S. Embassy in Hungary.

"There's a sense of uncertainty in what we do," he says. "But there's also a lot of adventure. I get to represent the United States and the people of California. I can't imagine a better responsibility."

Submitted Photo

Submit a class note: humboldt.edu/classnotes

or email: alumni@humboldt.edu

Class Notes

1950s

LEWIS (LEW) SBRANA, 1956 Music Education, continues to direct the New Horizons Band of Sonoma County, a unique concert band for seniors only. He founded the band in 1999 and has seen it grow from 12 to the present 65 members. He says making music is a wonderful outlet for retired folk, and is outstanding for brain stimulation and helping to keep fit. Sbrana says it is a rewarding position in a positive and encouraging social environment.

1960s

FERNANDO R. ELIZONDO, 1967 Education, retired from being a California superintendent of schools. He recently completed a yearlong term as foreperson of the 2011 Monterey County Civil Grand Jury. Fernando is also President and CEO of his own company, Elizondo Education Strategies, Inc.

TIMOTHY H. PROVAN, 1968 Wildlife, moved to Utah after graduation and completed his Master of Science in Wildlife Sciences at Utah State. He worked 30 years for the Utah Division of Wildlife Resources, and became director in 1989. He then moved to Redding, Calif., where he worked seven years for Ducks Unlimited as regional director. He retired in 2004 and continues to hunt and fish while enjoying the beauty of Northern California.

DONALD C. JENSEN, 1969 Natural Resource Management, recently retired from the U.S. Forest Service, but was previously assigned to assist the Federal Emergency Management Agency with Typhoon Sudal cleanup on the island of Yap in the South Pacific, a few hours west of Guam. He was assigned to be a forklift operator in a warehouse, and supervised the teaching of

chainsaw skills to natives working on the cleanup. Jensen says it was an amazing experience that he will not soon forget.

1970s

JOHN M. ALCALA, 1970 History, earned his teaching credential a year after graduating from Humboldt State University, then started his teaching career at Delano High School in Delano, Calif., immediately following. He taught history and developed the school's Mock Trial program, and eventually became department chairman. Alcala retired in 2008 after 38 years in education.

RONALD D. MELIN, 1971 Geography, retired from teaching, but is still working parttime for the city of Torrance, Calif., doing restoration on Madrona Marsh. He recently backpacked with friends and fellow HSU alumni Brent McGhie, Frankie Watts, Wayne Stanfield and Richard Morris in the Russian wilderness in July to check out the 17 species of conifers that were observed by Professor Sawyer.

TIMOTHY (TIM) A. PENDER, 1971 Wildlife Management, has enjoyed five years of retirement after working for 32 years as a wildlife manager with the Arizona Fish and Game Department. He is now able to spend more time with his wife of nearly 35 years, Dianne, and his five children and 16 grandchildren. Pender now enjoys leisure time hunting and fishing, both in solitude and with family and friends. He says, "If anyone wants to come see the Grand Canyon, give me a call!"

DR. GARY JOSEPH STEBBINS, 1972 Wildlife, couldn't stay away from education after a career in public education as a teacher, administrator, and professor of Educational Leadership at San Jose State University. Stebbins and his wife and fellow alum, Maureen, built their retirement home at Lake Almanor, but after a brief retirement of

several months, Stebbins returned to the world of public education as principal of Greenville and Taylorsville Elementary Schools. He enjoys his "born again" role as principal and Maureen also volunteers at the schools many days a week. "We love working together and keeping active ... this is not a forever career move, but it sure keeps us young." The couple also enjoys meeting the many HSU alumni working with the agencies in Northern California.

RONALD J. WOYCHAK, 1974 Wildlife Management, retired after 34 years with the U.S. Forest Service and Bureau of Land Management. He spent the bulk of his career in fire and resource management, incident management teams and two deployments to Australia to provide U.S. assistance during fire siege in 2009/2010.

DOUGLAS J. GALATI, 1975 Psychology, says, "You can take the man out of the redwoods, but you can't take the redwoods out of the man." Galati is retired from a Southern California gas company and enjoys the leisure time surfing the waves of Carpinteria, Calif.

DANIEL E. SEALY, 1975 Natural Resources Planning & Interpretation, worked at both Middle Tennessee State University and Pennsylvania State University for eight years. After his career in academia, he took a position as an outdoor recreation planner with the Federal Energy Regulatory Commission. Over the last three years, Dan has worked on licensing new hydropower projects, decommissioning outdated projects, and compliance issues associated with ongoing operations around the country. While Dan's specialty is outdoor recreation, he says he has the opportunity to be involved in a variety of natural resource management issues.

SYLVIA ANN MONTGOMERY, 1976 English, co-founded the magazine BioProcess International, a peer-reviewed trade publication that reaches 30,000 readers in

HUMBOLDT STATE *Honors*

CELEBRATING OUR ACADEMIC COMMUNITY

Every year, HSU recognizes the outstanding achievements of a select group of alumni, students, faculty and staff.



LEFT TO RIGHT: Dean Bresciani, Chester Mathis, Marla Spivak, Kenneth Davlin

The 2011-12 Distinguished Alumni

DEAN BRESCIANI, '84 Sociology. After positions in higher education in North Carolina and Nebraska, Bresciani was named president of North Dakota State University in 2010. Working for the Humboldt Orientation Program one summer, Bresciani realized that helping students was his passion. After all these years, he still credits his experience at Humboldt State for igniting his passion for higher education.

KENNETH DAVLIN, '59-'62 Engineering. As a member of the University's Advancement Foundation Board, Davlin is part of a team that helps increase charitable giving and manage the university's endowment. Davlin, whose engineering career has included work on hydroelectric, wastewater, housing and alternative energy projects, is president of Oscar Larson & Associates, a California-based engineering consulting firm.

CHESTER MATHIS, '72, Chemistry. Mathis came to HSU as pre-med student, but had a greater interest in chemistry. Still, he found a way to study both by pursuing medically related chemistry. Mathis is currently an endowed chair professor of Radiology and Pharmaceutical Sciences and director of the Positron Emission Tomography Facility at the University of Pittsburgh. Last year, the Michael J. Fox Foundation commissioned Mathis to develop a compound to identify alpha-synuclein, a protein deposit found in patients with Parkinson's disease.

MARLA SPIVAK, '78, Biological Sciences. Beekeeping has long been a passion for Marla Spivak, an internationally renowned entomologist and expert on honeybee health. Spivak, who is currently a Distinguished McKnight Professor in Entomology at the University of Minnesota, received the John D. and Catherine T. MacArthur Foundation "genius award" in 2010 for her pioneering work to protect honeybees from decimation by disease.

The 2011-12 Outstanding Students



CHYNA BALONICK, Kinesiology, Pre-Physical Therapy. Balonick was honored for her accomplishments as a scholar, volunteer, mentor and student-athlete. She was a member of the Women's Crew team for four years and has contributed volunteer service with many agencies. Her physical therapy experience includes La Canada Sports Medicine in La Canada, Calif., and Saint Mary Medical Center and Veterans Affairs Medical Center, both in Long Beach, Calif.



JAHNA CONSTANCE MAE MOREHOUSE, Critical Race, Gender and Sexuality Studies, with a concentration in Women's Studies. Morehouse's double minor combines Ethnic Studies and Sociology. She is a Presidential Scholar and an Associated Students Campus/Community Scholarship recipient. Her extensive volunteer, outreach and work

experience includes the HSU Women's Resource Center, the Diversity and Inclusion Office, workshop and public relations coordination, grant writing, teaching assistance, campus activism and organizing, and an internship at the San Gabriel Valley Habitat for Humanity.



NICOLE UYAMAM, French and Francophone Studies and English, with a minor in Linguistics. Umayam held multiple internships and teaching and tutoring positions, including in the HSU Writing Center and as an English Writing Lab consultant. She studied French at the Université du Québec Montréal and pursued linguistic anthropology and

special topics in British literature. As a volunteer with Youth Educational Services (YES), she assisted homeless children and served as a prison reform advocate.

Distinguished Faculty



JAMES FLOSS, Department of Communication. Floss received the Excellence in Teaching Award for 26 years of continued excellence in his teaching. Students laud his passion for the subject of oral communication, his creative and original style of teaching and his able service as an academic advisor.



TERRY HENKEL, Department of Biological Sciences. Henkel received this year's Scholar of the Year Award for extensive academic publications and for establishing himself as a leader in fungal ecology and tropical biology. Colleagues rate Henkel the world's leading tropical forest mycologist. In the past 10 years, he has contributed more than 40

publications to peer-reviewed journals. See this issue's cover story for more on Prof. Henkel's research.

2011-12 Staff Recognition

Kellie Jo Brown, Marketing & Communications

Mason Long, Desktop IT

Lewis McCrigler, Biological Sciences

Leila Moreno, Housing

Allison Oakland, Schatz Energy Research Center

Bethany Rizzard, ITS Project Office

Julie Tucker, College of Natural Resources and Sciences

Cade Webb, ITS Specialized Apps

Colin Wingfield, Environmental Resources Engineering & Geology

Andrea Yip, Biological Sciences



the biopharmaceutical industry. This year is the tenth anniversary of the publication, now owned by Informa, a London-based company. Montgomery works from her small farm in Dexter, Ore., where she provides homes for two or three geriatric llamas at a time.

DALE K. HOFFMAN-FLOERKE, 1978 Fisheries Biology, started working for the California Department of Water Resources as a student in 1977, working her way up to deputy director in 2010. She oversees a staff of over 450 scientists, engineers, technicians and administration in a variety of activities, involving environmental compliance, restoration and water management focused on the Sacramento-San Joaquin River Delta. Hoffman-Floerke has been married 34 years to Rob Floerke, retired Department of Fish and Game game warden and deputy director. After graduation, she worked in Sacramento and Fresno before moving to Davis in 1991, where their two sons were raised. Hoffman-Floerke cherished her outdoor studies at HSU and even though she's in management, relishes any opportunity to get out in the field. She still enjoys coming back to Arcata to visit. She says, "I feel very fortunate to have been able to work my entire career in my chosen academic field."

GARY A. KILGORE, 1979 Theatre, Film & Dance MFA, spent 30 years in the United States Army before working in the education system.

DANIEL R. MANDELL, 1979 History, will be a research fellow at the American Antiquarian Society (AAS) in 2012-13 thanks to an AAS-National Endowment for the Humanities grant, and will also be a visiting scholar at the Princeton Institute for Advanced Studies. Mandell's project is a study of the shifting notion of equality in America, circa 1600 to 1880. Two years ago, his sixth book, "King Philip's War: Colonial Expansion, Native Resistance, and the End of Indian Sovereignty," was published by Johns Hopkins University Press for general readers and college survey classes; it was named an "Outstanding Academic Title" by Choice magazine.

RICHARD MAZZANTI, 1979 Forestry, is regional sales manager of national accounts with Overhead Door Corporation, a national manufacturer of garage, commercial, and industrial doors. In 2011, he celebrated 30 years with the company and working in many different capacities. Mazzanti and his wife, Betsy, have been married for 30 years and have two sons.

Merv George: Humboldt Native Returns Home for Six Rivers Post

MERV GEORGE ('97, Native American Studies) has never been one to shy away from a challenge. While he was a student at HSU, he also served on the Hoopa Valley Tribal Council, the governing body for the Hoopa Tribe.

It meant that his classroom education was rooted in practical experience.

"I would come back from a Washington, D.C. trip testifying on fish and water issues and immediately share those experiences with the class," recalls George, a Hoopa native. "It helped me become a better council member while becoming a better student."

Now after serving in private and federal posts, George has returned to Humboldt County to become Deputy Forest Supervisor of Six Rivers National Forest, where he oversees the forest's employees and public resources, and handles issues related to endangered species, watershed, wildfire and recreation.

"It's a job that requires endless communication and keeping up with current events," George says. "It's difficult, but it's rewarding to have influence over the managing of public resources."

George was raised in Hoopa and his mother worked at HSU, so attending Humboldt State was a natural choice. He also grew up hearing about the academic support programs the University had for Native students.

"Once I got there, I really valued the Native programs and the Native community," says George.

After graduating, George served as chairman of the Hoopa Tribe, then as executive director of the Klamath River Intertribal Fish and Water Commission. He was also director of the California Indian Forest and Fire Management Council and regional tribal relations manager for the U.S. Forest Service.

George and his wife, Wendy—also an HSU alum—still reside in Hoopa, where they are parents to four children ages 20, 17, 15 and 13. In his free time, George coaches youth football and is the drummer in his father's rock 'n' roll ensemble, the Merv George Band.

He's also an avid hunter and fisher.

"I love the clean air and being next to rivers," George says of living and working in Humboldt County. "It's not just Humboldt County to me, it's home and it's where my ancestors have been since the beginning of time."



Submitted Photo

1980s

MAY TUAN TUCKER, 1981 Music, works for Bethany Presbyterian Church in Sacramento as music director.

CRAIG R. DUNN, 1983 Forest Resource Management, spent three years working for the U.S. Forest Service before moving on to a career as a software development project manager. He says he uses his project management skills to get away from the office by organizing and leading hiking, camping, and backpacking trips throughout the year. Dunn says his well-rounded HSU education has served him well, and he looks back with fondness on those early college years that shaped his life.

SUZANNE W. LARSON, 1983 Journalism, plans to retire at the end of March and looks forward to visiting Humboldt County. She says, "Once I get there, I may never leave again!"

GARY E. PERLESS, 1984 Geography, spent two years in Latin America. Perless has maintained his Spanish fluency through travel, friendships, and teaching. He teaches Spanish and World Geography and World History at West Sound Academy, a private international grade school (6-12) in Poulsbo, Wash. Perless lives just outside Port Townsend, Wash., with his wife, Jocelyn, and their two children William and Serena. He says he would love to hear from any fellow Geography or Oaxaca Program graduates.

ERIC GOODRICH, 1985 Geography, sends in the following: All of us in this photograph are very proud of our Humboldt State education. We have used it and our college experiences to provide service to the visitors of Santa Clara County Parks, and to protect and preserve our natural and cultural resources.



Submitted Photo

From left to right: Carrie (Gilsdorf) Grisenti, 1995 Wildlife Management, outdoor recreation program coordinator; Tracy Cline, 1999 Wildlife Management,

natural resource technician; Don Rocha, 1993 Wildlife Management, natural resource program supervisor; William Burr, 1984 Wildlife Management, senior park ranger; Julie (Heffner) Lee, 1994 Natural Resources Planning, interpretive program supervisor; Eric Goodrich, 1985 Geography, 1988 Master of Business Administration, supervising park ranger.

JENNIFER WILLS-MARTIN, 1987 Psychology, served as the principal of St. Lucy School, a K-8 school in San Jose, Calif. She was appointed to the role of president of Carondelet High School, an all-girls Catholic school of 800 students located next to its partner boys' school De La Salle in Concord, Calif. After graduating with a Master of Arts degree in Counseling Psychology in 1990, she served as the dean of students and head counselor at Presentation High School, San Jose, for 12 years. Following that, she was the academic dean at Woodside Priory School in Portola Valley, Calif., for three years, then moved into the principalship at St. Lucy School. She is proud to say that she is using her training in counseling psychology in her work every single day.

HALEY M. GOETSCH, 1989 Psychology Master of Arts, has been working in California for the past 10 years as a school psychologist and school counselor. After working in Lake, Calaveras and Mendocino counties, she moved back to Humboldt in 2007 with her daughter, Sonja. Goetsch became engaged to Greg Beaumont, a local photographer and computer technician, in August of 2010. Sonja, who started kindergarten at Sunset Elementary School and graduated from Arcata High School in June, has been accepted to HSU. "Go Jacks!"

1990s

YVETTE M. KEMP, 1991 Interdisciplinary Studies in Animal Behavior, has been working as mammal and hospital keeper at the San Diego Zoo since 1993. She is also president of the San Diego chapter of the American Association of Zoo Keepers, a nonprofit organization of animal care and conservation professionals.

CARRIE L. LEONARD, 1992 Oceanography, was recently named director of advancement concepts for BAE Systems in Honolulu. In this role, she meets with the user community to develop technical solutions to its needs. She has also been named the vice president of the

Be a Part of the Centennial Alumni Directory

HSU is preparing a centennial year edition of the Humboldt State University Alumni Directory. It's being done in collaboration with Publishing Concepts, Inc. (PCI), a Dallas-based publisher of alumni directories.

Make sure you respond when PCI contacts you to ensure your data is correct. You may also choose to opt out by requesting that your profile data not be included in the upcoming directory. Once published, the Directory will be exclusively available to Humboldt State alumni.

If you have any questions, contact Humboldt State Alumni at **(707) 826-3132** or alumni@humboldt.edu



A Bit of Humboldt – Near You

GET THE NEW APP for smartphones and tablets from the folks at Humboldt Made. The app finds Humboldt products near you—gourmet foods, artisanal housewares, craft microbrews, even jewelry and body care products.

FIND HUMBOLDT MADE ON Google Play
HumboldtMade.com
LoveHumboldtMade on Facebook
Coming soon to iTunes!





HUMBOLDT alumni

Get Involved with Humboldt State

There are lots of ways to connect with Humboldt State!
However you choose to get involved, you'll be engaged with your alma mater and your fellow alumni.

Ways to Get Involved

Help recruit students

Provide career guidance

Share your expertise at a regional alumni event

Help plan HSU's centennial

Make a gift to Humboldt State

Select Alumni Scholarship winners and Distinguished Alumni Award recipients

Join the Alumni Association

Learn More: alumni.humboldt.edu/volunteer

Society of Women Engineers, Hawaiian Island Chapter. On a personal note, she is also a soccer coach (U8 American Youth Soccer Organization), baseball and water polo mom, and active triathlete.

ETHAN A. DERNER, 1993 Media Production and Environmental Ethics, has been an adjunct faculty member for the Art Institute of Portland since 2009, teaching classes in editing and multi-camera production for digital film and video. His freelance career mosaic includes producing and directing for clients such as Nike and the Presidio Trust, as well as a feature documentary he is editing for the international markets.

JESSE I. ETTINGER, 1993 Journalism and Mass Communication, became the online and finishing editor at NBC Universal/Bravo Network in September, 2011.

THIERRY D. MANN, 1993 Chemistry, received his doctorate from University of Arizona in 1998, and has been living in Switzerland since 2011.

CAROL M. TAYLOR, 1993 Business Administration, is retired but staying active with her Service Employees International Union-United Healthcare Workers. Until her retirement this winter, she was the ethics officer of the Homecare Division. She plans to spend most of her year in the political scene, working to get two healthcare initiatives on the ballot. She is also involved in working toward the California Assembly new District 2 campaign, which includes part of Sonoma and Humboldt counties.

ERICK J. HERRMANN, 1994 Spanish, is an educational consultant, helping schools and administrators to better meet the needs of English language learners in classrooms in the United States. Herrmann is also a Professional Association of Diving Instructors scuba instructor with Seven Seas Scuba in Monterey, Calif.

JANN RONIS, 1996 Religious Studies, is a postdoctoral fellow at University of California Berkeley's Center for Buddhist Studies. His work involves research in Tibetan and Himalayan Buddhism. He received his doctorate in Buddhist Studies from the University of Virginia in 2009, and has been actively involved for many years with Himalayan Buddhism through frequent visits to the region, language study, and community involvement.



Submitted Photo

Bruce Appelgate: From Surfer Boy to Science Maven

WHEN ALUMNUS BRUCE Appelgate ('85, Geology) first arrived on campus, he was undecided about a career and listed himself an undeclared major. One of the things he chose to do amid his uncertainty was to take a geology class, and it went well. In fact, he remembers, "It went so well, I thought I'd take another one!" He did, and discovered a passion for geology "by accident" under the tutelage of professors Lori Dengler and Bud Burke. Appelgate took his bachelor's degree in the subject, with a minor in oceanography. This led to graduate school and a doctorate in marine geology & geophysics, and today Appelgate is associate director of Scripps Institution of Oceanography at UC San Diego, in charge of Ship Operations and Marine Technical Support.

A specialist in seafloor mapping, he has managed the Scripps fleet of oceanographic research vessels since he assumed the post in 2008. Scripps is known for its expeditionary oceanographic research. "My job is to make sure the Scripps research fleet continues to provide all scientists with the best possible access to the sea," Appelgate says. He directs four research vessels, one of the largest academic fleets in the world, and was principal investigator on Scripps' recent successful bid to operate the newest ship in the U.S. research fleet, an \$88 million vessel funded by the U.S. Navy now under construction for delivery to Scripps in 2015. He also oversees the Scripps Nimitz Marine Facility, the homeport for the Scripps fleet in San Diego's Point Loma community.

A veteran of more than 90 oceanographic research cruises, Appelgate now laughs when he recalls getting seasick on his maiden Pacific voyage as an HSU undergraduate, even though he'd been an avid surfer while growing up in San Diego. He also surfed off the Redwood Coast as a student, wearing a five-millimeter wet suit. "You do what you have to do!" he smiles. "I am where I am today because of the great undergraduate education in science that Humboldt State provided. I'm grateful for that." He still enjoys surfing—and his career as a marine geologist enables him to enjoy it all over the world.



Know a Deserving Alum?

HSU is seeking nominations for the 2013 Distinguished Alumni Awards.

Distinguished alumni are leaders in their fields, and outstanding contributors to their community, nation, or Humboldt State University.

Nominations are due no later than Nov. 30, 2012. Winners will be honored at an event in April.

For more information, visit alumni.humboldt.edu or contact (707) 826-3132

Give Your Feedback

HSU IS GATHERING FEEDBACK from alumni as the school approaches its centennial. In the next few months you'll be contacted via email for an Alumni Attitude Survey. This online survey is quick (about 10 min.). Plus, it's a great opportunity to share feedback about your time at HSU and help Humboldt State plan for the next 100 years. **STAY TUNED!**

Not sure if your email is current? Contact alumni@humboldt.edu to update your records.

KENNETH L. SHONK JR., 1996 History, earned his doctorate in Irish History from Marquette University in May of 2010, and upon graduation, accepted a position as assistant professor of History and Social Studies Education at the University of Wisconsin-Superior. In addition to courses on global and Irish history, Shonk supervises student teachers and offers courses in the methodologies of social studies education. In 2009 he served as a research fellow with the University of Pittsburgh's Institute for Learning.

JASON M. FANCHER, 1998 Theatre Arts and Anthropology, completed his doctorate in Anthropology at Washington State University in 2009. His doctoral dissertation is an analysis of animal bones butchered by modern Aka and Bofi hunter-gatherers of the Central African Republic. Fancher is currently teaching Anthropology at Mount Hood Community College in Gresham, Ore.

LISA L. GONZALEZ, 1998 Business Administration, is a project analyst in the Workforce Management Department for Walt Disney Parks and Resorts. She is currently based in Lake Buena Vista, Fla., but assists with projects for all segments of the parks and resorts division. Her oldest daughter, Kaitlyn, is a freshman at Florida State University. Her other two children, Nick and Mikayla, attend Davenport School of the Arts.

2000s

NICOLAS E. HAVLIK, 2001 Forestry and Wildland Resources, is program manager for the Integrated Training Area Management program at Parsons Corporation in Fort Bliss, Texas. The program focuses on erosion and sediment control, native grass reseeding, vegetation monitoring, maneuver trail maintenance and reconfiguration, and protection of sites both of cultural and biological significance. It also provides education to the military on the importance of being good stewards of the 1,500 square miles of training land that encompass Fort Bliss.

VERENA KELLNER, 2001 Geography, is a hydrographer currently on sailing sabbatical. She is taking time with her fiancé, Mike, to sail their 38-foot sailboat from Mexico to Australia via the South Pacific Islands.

RONALD ANDERSON, 2002 Physics and Astronomy, works for a naval shipyard as a dosimetry technician, doing mostly radiological work.

CINDY A. MCKINNON, 2003 Elementary Education, has been working in the Klamath/Trinity Joint Unified School District since graduating from HSU. She feels that she was well prepared for her career and thanks HSU and ITEPP. She says she is happy to be in such a good place.

JOSHUA W. ALLEN, 2004 Natural Resources, received a Master of Public Administration degree in May of 2012. His studies focused on local governmental administration and planning. His professional project paper was entitled "Social Justice: Can Public Participation Increase It?" He hopes to find employment as a dedicated public service worker to build better communities.

MELANIE M. BETTENHAUSEN, 2005 Sociology, was promoted to outreach director at the North Coast Co-Op. She is now responsible for marketing and membership. Bettenhausen uses her background in sociology to inform her work in the community around access issues.

ERIC B. BURKE, 2005 Forestry and Wildland Resources, is a registered professional forester and working for the Plumas National Forest, Feather River Ranger District, as a timber sale administrator.

JONATHAN C. SHULTZ, 2005 Rangeland Resource Science, was recently promoted to district conservationist with the U.S. Department of Agriculture's Natural Resources Conservation Service in Eureka. He says, "Thanks, Susan and Ken!"

CHERYL B. MILLETT, 2007 Wildlife Master of Science, coordinates the python control effort for southern Florida in the Python Patrol program. She developed and coordinates trainings for state, federal, and local law enforcement on how to capture pythons.

GLENN E. SONNTAG, 2007 Environmental Science, obtained a Master of Public Administration, Environmental Science, and Policy from Columbia's School of International and Public Affairs in 2008. He then received a two-year appointment as a presidential management fellow at the Department of Energy in the Office of Energy Efficiency and Renewable Energy, and a

Kaitlin Yarnall: Finding a 'Perfect Blend of Art and Science'

KAITLIN YARNALL ('05, Geography) remembers Humboldt State's Cartography Lab fondly. It's the place where she learned the basics of mapping, design and Geographic Information Systems—all skills that later helped land her first job.

Yarnall was recently named Deputy Creative Editor of National Geographic Magazine, where she oversees graphics, maps, art, design and e-publishing.

"Good cartography is the perfect blend of art and science, and that's something I learned early on at HSU," she says.

Yarnall credits HSU Geography professors Joe Leeper and Stephen Cunha for helping get her foot in the door. They nominated her for an internship at the National Geographic Society, the nonprofit that publishes the magazine, her senior year. Yarnall spent a summer compiling resource guides for high school geography teachers, then worked as a research cartographer for six years.

These days, she collaborates with writers, photographers, cartographers and graphic designers on the magazine's creative direction.

In 2009, Yarnall was part of a team that profiled HSU Forestry Professor Steve Sillett's research on the world's tallest trees. For a recent issue on the Titanic, she worked with film director James Cameron and engineers from the U.S. Navy to create an interactive map of the ship's remains. And earlier this year, she combed through world population data to create a profile of the world's most typical person.

Yarnall says it's rewarding to be part of team that produces one of the most popular photojournalism magazines in the world. National Geographic has a monthly circulation of about 8.5 million and 3 million internationally.

"The best part is being able to share what I learn with so many people," she says.



Submitted Photo

six-month detail assignment at the Department of the Interior's Office of Policy, Management and Budget, all at Columbia University. Shortly after completing his fellowship, he led a delegation of U.S. biofuel scientists on a trip to several locations in India to meet with government officials, academic specialists and industry experts. They participated in the 2010 Delhi International Renewable Energy Conference (DIREC). Sonntag now works as a sustainability program analyst in the DOE's Sustainability Performance Office, which is working to make the DOE's own programs and operations more environmentally sustainable.

MARK T. MARTINEZ, 2009 Anthropology, works with youth to advocate nonviolence and encourage empowered, healthy choices. Martinez was inspired to become a mentor with the Tariq Khamisa Foundation through his education in anthropology of development. He hopes to continue his work with nonprofit organizations while obtaining his Master of Social Work degree.

SOFIA M. PEREIRA, 2009 Communication, recently took part in a political fellowship in Washington, D.C. with the Women's Campaign Fund. Pereira has also joined the staff of Assemblymember Wesley Chesbro (D-North Coast) as a field representative in the First Assembly District's Eureka District Office. A former Associated Students president, Sofia formerly was an intern in that office and also in the Eureka District Office of Representative Mike Thompson (D-Calif.).

2010s

ASHLEY BAILEY, 2010 Journalism, joined KPCC-FM as an assistant producer for Morning Edition in January. KPCC is a National Public Radio-affiliated nonprofit radio station in Los Angeles. Bailey has covered stories such as Occupy L.A., the L.A. windstorms and the recent L.A. arson fires and had her work featured on NPR. Bailey's new duties include gathering audio for breaking news, writing scripts for news anchors, pitching story ideas and booking radio show guests.

Submit a class note

humboldt.edu/classnotes
or email: alumni@humboldt.edu

STEWART G. WILSON, 2010 Forestry and Wildland Resources, is a Master of Science student and research assistant at University of California, Davis, in Soils and Biogeochemistry.

NATHAN F. RASMUSSEN, 2010 Physics and Astronomy, says attending HSU to study Physics was the best decision of his adult life. He became confident in his problem-solving abilities and academic field, and also enjoyed the experience with the amazing faculty. After graduation, he was hired to teach in the physics lab, and he is now in a doctoral Physics program at Washington State University.

E. SAFIYA BAL, 2011 Anthropology, has been working as a substitute teacher for the Fairfield-Suisun Unified School District since December 2011. As of April 2012 she was hired as field technician for Far Western Anthropological Research Group, Inc., based in Davis, Calif. The project is in Vacaville, Calif.

JENNIFER HUMPHREYS, 2011 Anthropology, is earning her Master of Science in Primate Behavior at Central Washington University, specializing in molecular primatology. Eventually, she will be heading to the forests of the Republic of Suriname in South America to study gene flow through conservation corridors.

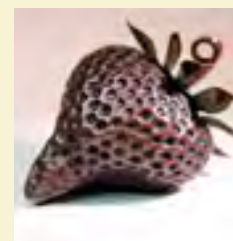
RANI RAM, 2011 Wildlife, has been busy since graduation applying for Anthropology graduate programs and scholarships to specialize in Primatology. Ram has been accepted to Kent State, where she will be studying the feeding ecology of saki monkeys in the Republic of Suriname with Dr. Marilyn Norconk. Ram says although she did not follow a traditional degree path, what matters most is achieving her desired goals by persisting with education.

JESSICA A. WHATCOTT, 2011 Environment and Community Master of Arts, was hired as a temporary lecturer for the new department of Critical Race, Gender, and Sexuality Studies after receiving her master's degree. Whatcott is excited to be involved in this new program by engaging students in intersectional critical analysis.

SARAH G. WOOD, 2011 Biology, accepted an offer from Florida State University to become an advisor in the Developmental Psychology program with Dr. Richard Wagner. Her doctorate will focus on dyslexia, and she will work within the Florida Center for Reading Research through the National Institutes of Health Multidisciplinary Learning Disabilities Center. Wood says she could go in a few different directions with her research, including molecular and behavioral genetics, classification and classroom intervention, but no matter which direction she takes, her research will improve the lives of people with these disabilities. Florida State contains one of the most diverse data sets of people with learning disabilities all over the world. She says she is pleased to continue her commitment to make a lasting impact for all underrepresented student groups.



ALISON MORSE, 2012 Art, was featured in the February edition of The Santa Clara Review, a biannual publication of poetry, writing, art, and music through Santa Clara University. Morse's piece, "Strawberry Seed Holder," was featured in the visual arts section. Additionally,



Morse's copper, "Strawberry Seed Holder," was selected in April for inclusion in the Cu|29 exhibition at Mesa Contemporary Arts, Mesa, Ariz.

MARK YOUR Calendar



Tailgate Parties at Football Home Games

Sept. 15, Oct. 6 and Oct. 27
HSU Campus
alumni.humboldt.edu



HSU Biodiversity Conference 2012

with Tyrone Hayes, Ph.D. of UC Berkeley, featured on TED Talks

Sept. 29 & 30
HSU Campus
humboldt.edu/biodiversity

Rufus Wainwright

Oct. 4 • 8 p.m.
Van Duzer Theatre
707 826-3928

humboldt.edu/centerarts



Can't-Miss Games

Women's Volleyball vs. Cal State Los Angeles
Oct. 6 • 7 p.m.
Lumberjack Arena

Women's Soccer vs. Cal State Monterey Bay
Oct. 11 • 12:30 p.m.
HSU's College Creek Field

Men's Basketball vs. Chico State
Jan. 31 • 7:30 p.m.
Lumberjack Arena

Women's Basketball vs. UC San Diego
Jan. 5 • 5:30 p.m.
Lumberjack Arena

Women's Softball vs. Academy of Art (Doubleheader)
Feb. 2 • Noon
HSU Softball Field

Get the Full Schedule at hsujacks.com



Homecoming & Family Weekend

Oct. 19 & 20
HSU Campus
707 826-3132

humboldt.edu/homecoming

Opera Workshop

Nov. 2 • 8 p.m.
Fulkerson Recital Hall
707 826-3531

HSU Alumni @ Oakland Raiders vs. New Orleans Saints

Nov. 18 • 1:05 p.m.
Oakland-Alameda County Coliseum

alumni.humboldt.edu

Madrigals & Mad River Transit Singers

Dec. 2 • 8 p.m.
Fulkerson Recital Hall
707 826-3531



Afro-Cuban All Stars

Feb. 12 • 8 p.m.
707 826-3928

humboldt.edu/centerarts



Arcata Farmer's Market

Saturday Mornings
Through Nov. 17
Arcata Plaza
humfarm.org

2013 Commencement Ceremony

May 18 • 8:30 a.m.
humboldt.edu/commencement

See More HSU Events at: humboldt.edu/events



THINGS



[First Day of School]

From gathering textbooks to meeting with classmates, and discovering just how many hills and stairs there are at Humboldt State, the first day of class is brimming with activity.



meet humboldt

Jahnna Morehouse ('12)

WHAT INITIALLY ATTRACTED JAHNNA MOREHOUSE ('12, Critical Race, Gender and Sexuality Studies) to Humboldt State University was the distance from her hometown of Altadena in Southern California. After seeing that the redwood forest was literally a part of HSU, her decision was solidified.

Her work over the past four years with the HSU Women's Resource Center has fueled her passion for social justice. Morehouse was named one of the 2012 Outstanding Students of the Year and graduated in May. She plans to stay in Humboldt for a couple of years to work before (most likely) pursuing graduate studies.

ESCAPE FROM L.A. "I really liked the pace of life in comparison to the way things work in the city. I'm not really into the materialistic, superficial kind of thing, and you're so surrounded and submerged in it. Initially, I saw this place as an escape from all of that."

AN HSU MEMORY "The first thing that comes to mind is the Women's Resource Center. I don't think I would have stayed here if I hadn't gotten linked in with that

community. When I first started working there I was the youngest by two or three years but I was seen and treated as an equal from the start. I was the baby and now I've been there the longest ... it's been an amazing journey."

FUN IN HUMBOLDT "When I first moved up here, I went to the beach all the time, and unfortunately I don't get out there as often now." She does have a dog though, so she tries to take advantage of the natural environment as much as possible.

Another favorite pastime is living room dance parties.

GREAT PROFESSORS "Christina Accomando, has been a major influence. I don't think I would have gained as strong of a foundation in prison abolition so early in my life—because it was through her class that I read Angela Davis and was introduced to the idea of the prison industrial complex and the bigger implications within that. Christina has been an amazing support for me in the time that I've been here."

"I feel like I need to say that I didn't really have a favorite professor though. Everyone was there for me in a different yet crucial way. Kim Berry, Jesse Urban, and Barbara Curiel all passed on invaluable knowledge and I feel so proud to have been a part of the Critical Race, Gender, and Sexuality Studies Department here at Humboldt State."

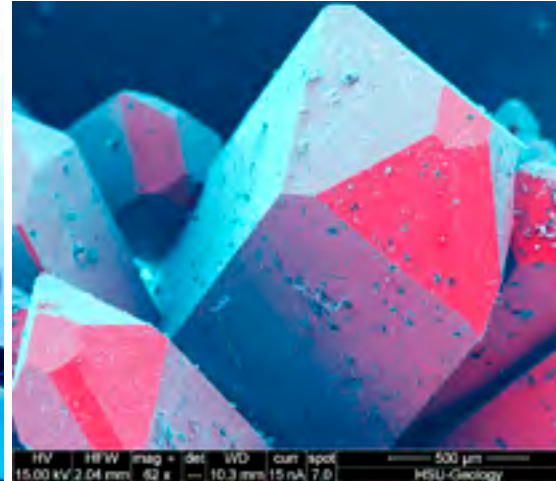
Meet More Humboldt Students
humboldt.edu/meet





HUMBOLDT STATE UNIVERSITY

1 Harpst Street, Arcata, CA 95521



Thank you!

Each year, thousands of alumni give to HSU through the Humboldt Loyalty Fund. These gifts fund projects that make the student experience even better—like new technology, access to special academic databases, and improvements to labs.

One lab that has received funding multiple times is the Biology Core Facilities (pictured). Students from many majors use the lab to conduct research related to genetics and more.

**HUMBOLDT
LOYALTY**
HUMBOLDT STATE UNIVERSITY