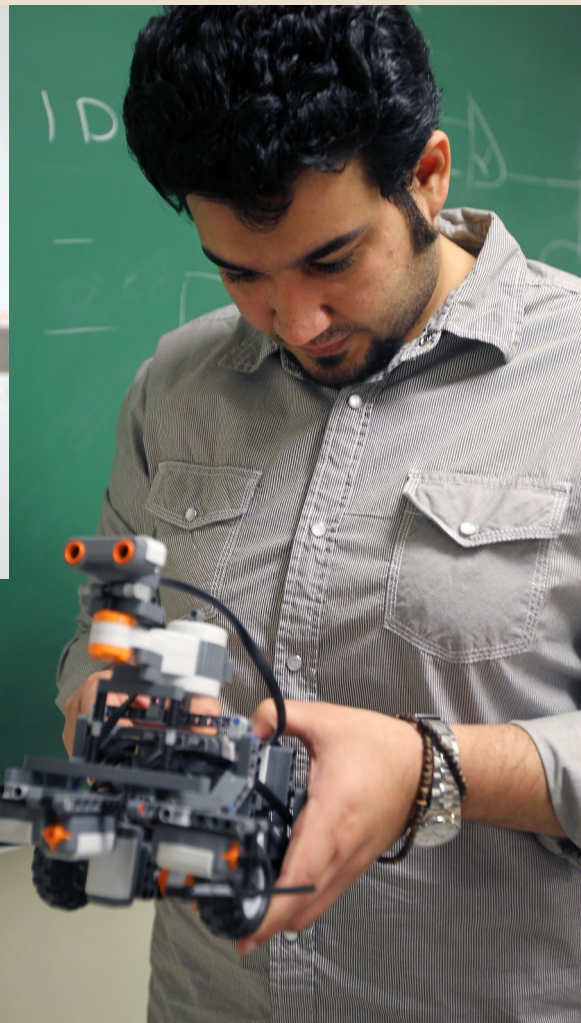




CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO

THE NATURAL PHENOMENA

SUMMER 2013



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A MESSAGE FROM THE DEAN



Kirsten Fleming, Dean of the College of Natural Sciences

As I reflect back on my first year as dean of the College of Natural Sciences I feel privileged to have joined such a wonderful group of students, faculty members and staff members.

The College of Natural Sciences is a growing, dynamic environment that is an exciting place to work and learn. While there are too many accomplishments to list I have chosen a few that represent the achievements of those in the college; achievements that span teaching, scholarship, service to the community and to the profession. Mr. Jan Mack, the stockroom manager in Chemistry & Biochemistry, was the recipient of a President's Outstanding Employee award and was awarded a Golden Apple by the city of San Bernardino. Dr. Laura Woodney, Dr. Carol Hood, Mr. Paul Gardner, and a number of students in the Department of Physics have put in a year of hard work into getting the Murillo Family

Observatory fully functional. The observatory is already being used in numerous research projects. Dr. Hood and student Jake Pate have been using it to observe AGNs (super-massive black holes) to better understand their origins. Dr. Woodney will be using the observatory as part of a consortium involving two other observatories, Mauna Kea and Kitt Peak, starting this August to try to pin down the rotational dynamics of Comet Encke. Dr. Bryan Haddock, of the Department of Kinesiology, received a Biomedical/Biobehavioral Research Administration Development grant. This funding is used to offer a grant-writing workshop for about 30 CSUSB faculty members; the workshop was simulcast to five other CSUs. Dr. Madeleine Jetter, of the Department of Mathematics, was accepted to The Project Kaleidoscope 2013 Summer Leadership Institute. The institute provides leadership development for early- and mid-career faculty members who are engaged in transforming undergraduate STEM education. Faculty members in CNS continued to successfully disseminate their research, research that frequently involves students. For example, faculty members in Geology published six papers, 17 abstracts and gave three presentations at professional meetings during the year. Dr. Dorothy Chen-Maynard was elected as one of the five delegates to the House of Delegate of the Academy of Nutrition and Dietetics representing the Inland District and Los Angeles Districts of the California Dietetic Association. She is also the chair of the Communication Council for the Nutrition and Die-

tetic Educators and Preceptors. Faculty members are actively working with K-12 schools to promote college and career readiness. Examples of this are Dr. Davida Fischmann's work through the Center for Enhancement of Mathematics Education, Dr. Dave Polcyn's work through the Science Writing Impacts Real Learning, and Dr. Stuart Sumida's work through the Science Drives Literacy projects.

I look forward to another year working with the personnel in the college, university and region.



IN MEMORY OF TERRY HALLETT



Joan Terry Hallett passed away on Nov. 27, 2012 after a long battle with ovarian cancer. Terry is survived by her husband, John, of 52 years; her brother, Richard from Toddington, England; her daughters: Jennifer (Chris), Joyce (Mike), Elaine and Rosemary (Rafi). Terry has 10 adoring grandchildren: Morgan, Gillian, Ceilidh, Colin, Alex, Miles, Cora, Graham, Alison and Liam. She will be dearly missed by everyone.

Terry was a wife, mother, grandmother and educator. Born Joan Terry Collar in Cheam, England, on April 21, 1936, she moved to the U.S. in 1966 with her husband John and settled in Reno to continue their careers and raise a family. Terry loved the outdoors, especially the Sierra wilderness where she and John spent hours hiking through the Sierra Nevada Mountains with their family. She was frequently found in her garden in the summer months coaxing her plants into beautiful blooms. Trips to England were numerous as well as chances

to explore Japan, Korea, Austria, Australia, Finland, Hawaii and many other locales with her husband and children.

Joan Terry Hallett earned her Ph.D. in mathematics with a focus in algebra, from Queen Mary University of London in 1961. She developed her love of teaching at Royal Holloway College and later at California State University, Northridge from 1960 through 1962. After coming to Nevada, she started teaching at University of Nevada Reno in 1978. She continued her career at California State University, San Bernardino in 1981 where she subsequently became associate dean. Terry and her husband worked together on scientific problems involving mixing fluids and developing ways to improve the understanding of changing climate. In 2004, she spent a sabbatical at Exeter University, England, honing her teaching skills. Upon "retirement" in 2006, she returned to Reno to teach at Truckee Meadows Community College.

Terry was devoted to her students and strived to give them the opportunity to learn and excel. An endowment fund has been created in her honor at CSUSB. In lieu of flowers, donations can be made to the Terry Hallett Endowment Fund at

<https://development.csusb.edu>.

DEPARTMENT ACCOMPLISHMENTS

Department of Chemistry and Biochemistry

Drs. James Noblet and Douglas Smith were promoted to full professor. Dr. Smith was also given the college's outstanding teaching award. Mr. Jan Mack was awarded a Golden Apple by the city of San Bernardino. Several students presented research: Magy Cuardas and Brittney Sandoval (Dr. Cousins) at SCCUR; Amandeep Kaur (Dr. Maynard), Emmett Campbell and Gracie Cervantes (Dr. Noblet) at the CSUSB student research conference at which Amandeep received first place; Binh Pham (Dr. Zhang), Emmett and Gracie at the ACS undergraduate conference, with Emmett and Gracie at the CSU WRPI conference as well. Eric Torres was selected as the department's outstanding undergraduate student and will pursue Ph.D. studies at UCLA in the fall. Judith Alvarado (BS 2009) and Jonathan Hollin (BS 2012) will enter Ph.D. programs at UCSD and the University of Vermont, respectively. Dario Gutierrez (BS 2006) was awarded the Ph.D. at Vanderbilt University and is now a post-doctoral scientist in Germany.

School of Computer Science and Engineering

The School of CSE had a successful year 2012-2013. Undergraduate student Reggie Felix, mentored by Art Concepcion, attended the 25th CSU Biotechnology Symposium where she was nominated as one of two finalists for the Glenn Nagel Undergraduate Student Research Award. The CSUSB mobile app by CSE students for IT, supervised by Art Concepcion and David Turner, was released in version 2.0. Haiyan Qiao (the 2013 CNS Outstanding Professor for Research) and her team of students gave a university-wide presentation on equipping an animatronic figure, on loan from Garner Holt Productions, with face tracking/recognition. CSE and its student club sponsored the Scherba Lecture in January 2013: Dr. Maria Klawe, president of Harvey Mudd College, spoke on increasing the number of women in technology careers. Three female computer science students will be sponsored jointly by President Morales and CNS to attend the Grace Hopper Celebration of Women in Computing conference in Minneapolis this fall.

Department of Geological Sciences

The department graduated a total of 12 undergraduates this last year, with Joseph Berg being named the department's outstanding undergraduate student. In addition our second graduate student in the Geology Option of the MS in Earth and Environmental Sciences, Amanda Lopez graduated in June. Sally McGill was on sabbatical for 2012-2013, collaborating with geophysicists at the University of Arizona to analyze, model and publish the GPS data that CSUSB students have collected the past 10 years. Erik Melchiorre continues to work with students on projects related to geochemical characteristics of gold in California and

Arizona. He was also the lead investigator on a \$250,000 grant from the Keck Foundation to purchase portable XRF instruments. Alan Smith was co-leader of the GSA field trip to Montserrat last March.

The department successfully hosted the second symposium on Earth Resources with Mr. Brandon Griffiths of Rio Tinto Minerals as the keynote speaker. We also initiated a program of guest speakers; this year's theme was "Employment in the Geosciences". The department also expanded its course offerings with new courses in Petroleum Geology and Applied Geophysics.

Department of Kinesiology

Kinesiology continues to experience unprecedented change and growth. It has three concentrations (i.e., pedagogy, exercise science and allied health professions) with approximately 735 majors. You can read results from the Kinesiology faculty research in scholarly journals on topics ranging from motor behavior on children and youth to the effects of physical activity on our body as we age. Faculty now conducts research on the range of human abilities from gifted athletes to individuals with disabilities, with content areas including, but not limited to, psychology, sociology, teaching effectiveness, human physiology and biomechanics as they relate to physical activity, sport and exercise. Visit us at <http://kine.csusb.edu/>. In the meantime let me highlight a few items of particular relevance. Bryan Haddock received a National Institute for Health BRAD grant this year for \$255,000 more than three years. Aaron Moffett was selected to be the head swim coach for the Air Force Wounded Warriors. CSUSB hosted more than 900 participants including 100 military and 2500 volunteers and associated attendees at the annual DisAbility Sports Festival. Terry L. Rizzo is President of the National Consortium for Physical Education and Individuals with Disabilities and a board member of the American Kinesiology Association. Hosung So is president-elect for the Western Society for Kinesiology and Wellness (WSKW).

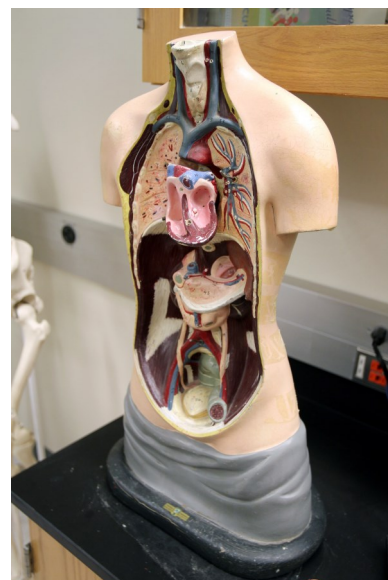
Department of Mathematics

The Mathematics Department at CSUSB has again had a productive year including publications, and even some changes to our office staff. Over the past year, Dr. John Sarli published work in the Journal of Geometry, and Gary Griffing published work in the Semigroup Forum. In addition, Dr. Ilseop Han published collaborative work in the Transactions of the American Mathematical Society, and Dr. Rollie Trapp also published joint work in the Journal of Knot Theory and its Ramifications. We had two members of our staff retire this year: Donna Murphy and Nancy Pennington. Although we are sad to

see them go, we welcome new staff members Allison Torres and Ana Sanchez. Finally, we are saddened by the loss of Dr. Terry Hallett, who was a member of our department for 25 years before retiring. Dr. Hallett passed away in November.

Department of Physics

The physics faculty and students have been busy this year doing research on many fronts. Dr. Tim Usher has expanded his collaborative research on organic ferroelectric materials. This work includes numerous students, Drs. Douglas Smith and Kim Cousins in Chemistry, and various scientists at the University of Nebraska Materials Research Science and Engineering Center. In an attempt to expand this work, Dr. Usher, his collaborators, and Dr. Paul Dixon recently submitted a \$5M grant proposal to fund a NSF Center of Research Excellence in Science and Technology here at CSUSB centered on discovering and characterizing organic ferroelectric materials. Dr. Laura Woodney, Dr. Carol Hood, Paul Gardner, and a number of students have put in a year of hard work getting the Murillo Family Observatory fully automated, and already have started using it for research. Dr. Hood and student Jake Pate have been using it to observe AGNs (super-massive black holes) to better understand their origins. Dr. Woodney will be using it as part of a consortium involving Mauna Kea and Kitt Peak starting this August to try to pin down the rotational dynamics of Comet Encke. Alumni are encouraged to keep in touch. Feel free to pop in any time, e-mail Dr. Dixon at pdixon@csusb.edu, or contact your favorite professor directly (for addresses check out our website: physics.csusb.edu).



THE NATURAL PHENOMENA

THE DEPARTMENT OF BIOLOGICAL SCIENCES



Department Chair:
David Polcyn

Professors:
Nicole Bournias
Mike Chao
Jim Ferrari
Anthony Metcalf
Paul Orwin
John Skillman
Stuart Sumida
Kim Williams

Associate Professors:
Laura Newcomb

Assistant Professors:
Tomasz Owerkowicz

Department Office:
Debbie Reynolds
Katrina Preciado

Support Technicians:
Lisa Anderson
Tom Benson
Cindy Chrisler
Dave Coffey

The Department of Biology continues to grow, with more than 1,200 undergraduate and graduate majors. Despite the budget cuts and the bleak economy, students have continued to excel and faculty continue to maintain a high level of research activity in their labs, involving both undergraduate and graduate student research. Just a few examples of activity in the department this year include Dr. Tomasz Owerkowicz's work on alligators (and other reptiles), which has gained quite a bit of attention on radio and television news reports, as well as numerous articles in a range of print media. Dr. Owerkowicz and his students are engaged in several lines of research on alligators, including investigations related to locomotion and cardiovascular physiology. His graduate students presented their research at the Society for Integrative and Comparative Biology meeting in San Francisco in January. Dr. Laura Newcomb continues her research on viral replication, and presented her work at the 15th International Conference on Nega-

tive Strand Viruses meeting in Grenada, Spain, in June. Dr. Nicole Bournias continues her work in several areas, highlighted by her work related to the California Institute for Regenerative Medicine grant she was awarded for work on stem cells. The CIRM grant is funding numerous CSUSB undergraduate and graduate students who are conducting research in prestigious research labs around southern California, including City of Hope, University of California, Riverside and USC. There are many success stories in the short history of the CIRM work, but of particular note is Kashfia Neherin, who was named the Department of Biology's "Outstanding Undergraduate Student" for 2013. Kashfia is a CIRM scholar who conducted stem cell research at Children's Hospital Los Angeles, and will continue with her Master's work in the Department of Biology at CSUSB. Dr. Stuart Sumida continues his paleontological research on Permian fossils, as well as his collaboration with all the major animation studios. Dr. Sumida's recent graduate student,

Valerie Pelletier, was awarded the College of Natural Sciences' "Outstanding Graduate Student" award for 2013. We are also proud to announce that Lt. Colonel Ron White, a 1996 CSUSB graduate with a B.A. in Biology, was selected as the College of Natural Sciences' "Outstanding Alum" for 2013. After leaving CSUSB, Lt. Colonel White earned his M.D. in the U.S. Army, and currently serves as chairman of anesthesiology and pain medicine at Landstuhl Regional Medical Center in Landstuhl, Germany. The energy level in the Department of Biology is as high as ever, and the undergraduate and graduate students are actively engaged in learning and doing science ... some things never change.

As always, we look forward to hearing from all our alumni, and encourage you to write and update the faculty on where you are and what you are doing. Keep in touch by contacting Dr. David Polcyn at dpolcyn@csusb.edu

THE DEPARTMENT OF HEALTH SCIENCE



Interim Department Chair:
Marsha Greer

Professors:
Kim Clark
Ted Coleman
Lal Mian

Associate Professors:
Dorothy Chen-Maynard
Chris Lindfelt
Bob Phalen

Assistant Professors:
Joseph Hughes

Lecturers:
Robert LaChausse

Department Office:
Deanna Rinebolt
Leann Bactad-Pulido

The department continued to have increased enrollment with more than 550 students now in the undergraduate and graduate programs. Students and faculty were productive in scholarly activities. Dr. Bob Phalen supervised four Water Resource Institute (WRI) student interns on USDA and Department of Education research projects in water quality and air pollution. One student presented results on the removal of Arsenic from water using a modified Nicaraguan water filter at the Water Resources and Policy Initiatives (WRPI) Conference. Dr. Marsha Greer, Dr. Bob Phalen and Dr. Chris Lindfelt continue to work on health disparities research as faculty fellows in the Center for the Promotion of Health Disparities Research and Training. Drs. Greer and Lindfelt are authors on an accepted publication examining disparity. Dr. Phalen presented a paper at the Society of Toxicology Annual Meeting. Dr. Joe Hughes presented a paper at an international symposium on quality management of foods in Thailand. Fac-

ulty are involved professionally at international and national levels. Dr. Phalen travelled with the CSUSB delegation to Universidad de Iberoamérica, a Costa Rican university that specializes in health sciences, to explore faculty and student exchanges. Dr. Ted Coleman lectures at the Hochschule Fulda International Summer University (ISU) in Fulda, Germany. Dr. Lal Mian serves as editor, Journal of the American Mosquito Control Association and as editor for the Society for Vector Ecology Newsletter (e-version). He also serves as a council member of the National Environmental Health Science and Protection Accreditation Council and as an academic member of the California Environmental Health Specialist Registration Committee appointed by the California Secretary of Health. Dr. Coleman serves on the Board of Directors of the American College Health Association as well as the chair of the ACHA Coalition of Allies for LGBT Health. Dr. Dorothy Chen-Maynard was elected as one of the five delegates to the House of Delegates of the Academy of Nutrition and Dietet-

ics representing the Inland District and Los Angeles Districts of California Dietetic Association and serves as the chair of the Communication Council for the Nutrition and Dietetic Educators and Preceptors, where she serves as editor for a section of the Journal for the Academy of Nutrition and Dietetics.

The Environmental Health Science Program earned re-accreditation by the National Environmental Health Science and Protection Accreditation Council. More than 100 public health education and health care management students completed field experiences in the Inland Empire. Nutrition and Food Sciences will be one of the new majors offered at CSUSB Palm Desert Campus in fall 2013. A 1,200-hour Nutrition and Food Sciences dietetic supervised-practice (ISPP) program will be starting in the fall. We look forward to another productive year!

THE DEPARTMENT OF NURSING



Interim Department Chair:
Dwight Sweeney

Professors:
Marilyn Smith-Stoner

Associate Professors:
Teresa Dodd-Butera
Lynne Leach
Asma Taha

Assistant Professors:
Susan McGee-Stehsel
Ora Robinson

Lecturers:
Deborah Cohen
Claudia Davis
Cheryl diPretoro
Phyllis Nix
Kathyrne Tiras
Anna Wilson

Department Office:
Patrick Bungard
Lorena Gomez
Clayton Okafuji

The CSUSB Nursing Department is continuously aiming to expand its reach into the local and global communities. Starting off on campus, the Master's Nursing Program has renewed its Commission on Collegiate Nursing Education (CCNE) accreditation this year. We continue to be accredited in both undergraduate and graduate nursing programs. With this accreditation, the program has been recognized as an organization with the mechanisms to ensure that expertise and experience in the application of its standards, procedures, and values are present in members of its visiting teams, commissions, and staff. CSUSB nursing students, both undergraduates and graduates, along with CSUSB nursing faculty, have been given the honor of publication in various avenues: both faculty and students have had the opportunity to present posters and podium presentations at the Sigma Theta Tau International's Odyssey Conference 2012 and faculty-mentored undergraduate students accomplished publications in peer-reviewed nursing

journals such as the *Dimensions of Critical Care and Advance for Nurses*. Undergraduate nursing students and faculty have traveled abroad to Jamaica, India and Switzerland within recent years and have made lasting impressions and partnerships. Students were able to assess the health needs of the local community and perform key nursing interventions while learning the importance of practicing culturally competent care. The program looks forward to maintaining these ties and continuing to extend a helping hand to improve the health outcomes of these and other global communities. The Sigma Theta Tau International Rho Beta Chapter, CSUSB's Nursing Honor Society, has expanded its membership by inducting 35 new members that include undergraduate students, graduate students, and nursing leaders in the community. Induction took place on May 5, 2013, at the Santos Manuel Student Union Events Center. Inductees were recognized for their excellence in scholarship and leadership in the nursing com-

munity. The program has also recently opened a new skills lab in the San Bernardino campus. The lab features 10 beds, 30 computer stations, four large flat panel TVs to project faculty presentations and 10 bedside flat screens to facilitate student learning. The facility moved into uncharted territory by having its first "Sim" baby born with their new simulation lab. Faculty helped students experience the birthing of a simulation baby in a controlled, learning environment where students were able to receive the best learning experience without fear. These accomplishments help propel the program into the expanding future of nursing as a profession. We anticipate maintaining and expanding the hard work and achievements that allow both students and faculty to learn, to lead and to transform.

DEVELOPMENT CORNER



The College of Natural Sciences and CSUSB has a longstanding tradition of honoring our donors for their exceptional support of our students and programs. We celebrate these individuals, foundations, and corporations that

allow us to excel in our work.

Staying in the Game

Molina Healthcare continues to be an annual supporter of the DisAbility Sports program. Through their generous support, the DisAbility Sports Festival continues to thrive and grow. Nearly at capacity, this one day festival attracts almost 1,000 disabled athletes, who are coached by world renowned Paralympic medalists and other high caliber athletes. Thanks to Molina and other key sponsors, almost a thousand disabled athletes are "staying in the game".

One Family's Vision

The Terry Hallett Endowment Fund was established by the family of professor emeritus Terry Hallett after her passing last year. It was a generous and lasting way for Dr. Hallett's many contributions to be honored and remembered. This fund was established to give scholarship support to mathematics students.

Seeing Stars

The Friends of the Observatory fund was established with an initial gift from retired faculty member Dr. Leo Connolly. This fund is anticipated to grow and support the future needs of the observatory. It is backed by the Connolly Family Endowment, which was established in this past year to assure a sustainable future for the Murillo Family Observatory.

Supporting Our Students

Scholarship support is still a critical need for our students. We would like to thank our caring faculty and retired faculty who recognize this need and support our students.

Bring It

In-kind gifts are contributions of goods or services. We welcome this support and are grateful to have received in-kind donations from faculty, retired faculty and corporations. For the College of Natural Sciences, these gifts are often in the form of supplies and equipment.

Grant It

Grants from private foundations and corporations are continually being sought. Grants this past year have come from entities such as: Southern California Edison, Brier Foundation, Haffif Foundation, The Community Foundation and others. We continue to seek matches for funding needs in the college.

Development has experienced high growth in donations over this past year. Much of that is to be credited to all the truly wonderful faculty, retired faculty, friends, corporations and foundations that recognize what the College of Natural Sciences is about-excellence. My thanks to the faculty for being excellent, the donors for being loyal, and the many friends who are gaining new interest in our projects and priorities.

Linda Hunt, Senior Director of Development,
College of Natural Sciences



DisAbility Sports Festival Participants



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Ms. Maria Perez
Ms. Marilynn B. Studnicka
Ms. Marisa A. Crouch
Ms. Marissa Torres
Ms. Martha A. Berkompas



DisAbility Sports Festival Opening Ceremony

Ms. Mary A. Grove
Ms. Mary Malone
Ms. Mary Odening
Ms. Michelle J. Hoel
Ms. Nan Mijares
Ms. Natasha N. Hutson
Ms. Raquel Johnson-Cunningham
Ms. Rebecca Soto
Ms. Rosa Flores
Ms. Rosario Orosco
Ms. Sheryl K. Akagi
Ms. Sitoya Mansell
Ms. Teresa Ortiz
Ms. Thurma Livingston-Morrison
Ms. Tracey-Anne G. Anacleto

Ms. Wendy Sunahara
Pooneh Navab
Ralph Wagner Consulting
Eng., Inc.
Rev. Randy Johnson
Sachin Chaudhry
Taghreed A. Murad
The Able Tailor



COMMENCEMENT 2013

The College of Natural Sciences' commencement ceremony took place on June 16, at 12:45 p.m. in the Coussoulis Arena on the CSUSB campus. Before a crowd of their families and friends, more than 407 students received their diplomas. Among those students were several who were singled out for various honors. Each year, the college chooses students it determines to be outstanding, both from the undergraduate and graduate populations. This year, the outstanding graduate students are Valerie Pelletier, from biology; Ihab Zbib from computer science and engineering; Mahbuba Hammad, from health science and human ecology; Joe Wilson, from mathematics and Nataliya Richmeier from nursing. These students have shown great promise in their chosen fields, and the college is proud to recognize them. The outstanding undergraduate students are Kashfia Neherin from biology; Eric Torres, from chemistry and biochemistry; Sean Finucane, from computer science and engineering; Joseph Berg, from geology; Kanisha Neal, from health science and human ecology; Karalee Martin, from kinesiology; Krista Leal, from mathematics; and Muriel Makamure from nursing. These students have worked very hard and richly deserve the honors. Additional students received departmental honors. From the **Department of Biology**: Bryan Bennett, Jonathan Bradley, Obik Chowdhury, Julie Hays, Kashfia Neherin and Brittany Stewart; from the **Department of Chemistry and Biochemistry**: Bryan Bennett, Binh Pham and Eric Torres; from the **School of Computer Science and Engineering**: Carlos Almaguer, David Kagawa-Aguirre, Tyler Lentz, Ryan Melody, Michael Shabsin and Christian Venegas; from the **Department of Health Science and Human Ecology**: Molly Nazeck; from the **Department of Kinesiology**: John Byrd, Katie Connelly, Nick Deponte, Kelvin Garcia, Salina Guerrero, Michael Indaburu, Ryan Jacobs, Michelle Johnson, Patrick Karg, Scott Keller, Karalee Martin, Brandon Miller, Theodore Oliver, Daniel Provencio, Kate Reynolds, Casey Rogers, Stephanie Wallace, Lauren Wallace, Kevin Widarma, Cheyne Yanagisawa, Jennifer Yee and Jimmy Zapata; from the **Department of Mathematics**: Sandra Bahe-na, Leonard Lamp, Krista Leal, Damian Palafox, Veronica Ruvalo, Amy Schardijn and Nhan Zuick; from the **Department of Nursing**: Jeremi-as Asis, Jessica Bates, Michelle Bonus, Robert Brubaker, Simona Campa, Vu Chau, Whitney Chavez, Nashwa Darwish, Ramone Deely, Chloe Deponte, Kylie Edgemon, Brian Esser, Michelle Fletcher, James Hanson, Kim Herling, Ashley Hill, Kathy Hua, Elsa Ibarra, Mary Izydorek, Brandi Jack, Caroline Jackson, Stephanie Jones, Kyle Keepers, Zoya Khosravi, Mindy Luu, Aracelie Macapagal, Miranda Makamure, Muriel Makamure, Stephanie Manthe, Nelson Maravilla, Evelyn Martinez, Jeriel Martinez, Erin McIntosh, Williane Mendiola, Rocio Navarro, Caroline Ng'ang'a, Sergio Niemetz, Janelle Nunez, Susana Olivan, Twilla Oskey, Wendy Pang, Diona Payne, Rebeca Perez, Esther Ramirez, Daisy Renteria, Melissa Repp, Jocelyn Rodriguez, Lorena Rodriguez, Alycia Romeo, Alan Salgado, Maria Sanchez, Diana Sanchez, Gretta Sitompul, Jesse Spedaliere, Marie Tanare, Tara Thomas, Traci Thomas, Brittany Tilden, Nhung Truong, Patrick Urban, Nelly Utebor, Lauren Votta, Kaitlyn Wakefield, William West and Jacqueline Zavala.



CNS OUTSTANDING ALUMNUS

Ron White graduated from CSUSB in 1996, earning a bachelor of arts degree in biology with honors. After completing his bachelor's degree, Ron attended the Uni-formed Services School of Medicine as an officer

Lt. Col. Ron White of the United States Army, culminating with an anesthesia residence at Brooke Army Medical Center in 2004. In 2005, Ron was deployed to Iraq, where he served as assistant chief of trauma anesthesiology, and later as chief of acute and chronic pain medicine, at the 10th Combat Support Hospital in Baghdad. Ron returned to the states in 2006 and served in numerous leadership roles, including a fellowship in pain management at Walter Reed Army Hospital, the National Naval Medical Center, and Johns Hopkins Medical Institute. He is currently stationed at Landstuhl Regional Medical Center in Germany, which is the only U.S. level 1 trauma center outside of the continental United States. In May 2013, Ron was promoted to chairman of anesthesiology and pain medicine at Landstuhl Regional Medical Center, where he continues to treat those who have given so much so that we can enjoy our freedom.



Valerie Pelletier

CNS OUTSTANDING GRADUATE

Valerie Pelletier earned her master's of science in biology with a cumulative GPA of 4.0. Valerie has been teaching biology at Colton High School since 2004. In order to gain a deeper understanding of biology, Valerie enrolled at CSUSB to begin her master's degree in 2006. Her experiences and research here at CSUSB has allowed Valerie to travel across the country and around the world to participate in conferences, symposia and teaching workshops. Valerie's thesis project was a postcranial reconstruction, description and comparison of *Aerosaurus Wellesi*. She has presented her research at multiple meetings, and she recently had 3 papers published in a symposium volume on Synapsid Evolution. Valerie feels that the opportunities she has had at CSUSB have allowed her to become a better teacher by bringing her experiences back to her students, not only in paleontology and biology, but also in the process of science and how scientists research and communicate. Her goal is to continue to enrich her own life and those of her students and to make an impact on the field of paleontology with her work and research.



Muriel Makamure

CNS OUTSTANDING UNDERGRADUATE

Muriel Makamure graduated with a bachelor's of science in nursing with a cumulative GPA of 3.92. She was born and raised in Zimbabwe, Africa. In a country with severe political unrest, she survived hardship and tragedy. In 2008, Muriel came to the United States, and having faced such extreme hardship growing up, she was determined to make the most of her newfound opportunity in the United States. Muriel enrolled as a pre-nursing student in 2009 and was accepted into the nursing program in 2010. Muriel was inspired to pursue nursing after seeing several of her own family members in Africa succumb to HIV and AIDS. Her research interests drove her to participate in the Harvard catalyst summer clinical and translational research program (SCTRP). She was proud to be the first nursing student to ever be accepted into that program. Muriel currently works as a nursing assistant at the UCI Medical Center. Her career goal is to obtain her Ph.D. with a focus on infectious diseases, namely HIV and Aids. Muriel was accepted into the nurse residency program at UC Irvine and will begin the program in August.

