

UNIVERSITY OF WYOMING
Excellence in Higher Education Endowment Report
From the Office of the Provost and Vice President for Academic Affairs
1 OCTOBER 2010
[Pursuant to W.S. 21-16-1204]

To the Joint Appropriations and Joint Education Interim Committees

1. Background

Created in 2006, the Excellence in Higher Education Endowment was funded at \$105 million, the earnings from two-thirds of which, or \$70 million, was designated to the University of Wyoming. Earnings on the state-managed endowment, which are distributed by the state treasurer to the university, allow the university to establish endowed faculty positions (known as Wyoming Excellence Chairs) and to acquire instructional and resource materials, classroom equipment, and other resources necessary to support the work of endowed chairs. Distributions to the university are based on a spending policy of 5% of the average of the market value of the corpus for each of the preceding five (5) fiscal years or the fiscal years up to five for which there was a balance.

The statute imposes some constraints on the uses of the endowment earnings. Not less than 2/3 of the amounts must be used to expand university instruction and research in disciplines related to economic and social challenges facing Wyoming. No fewer than four Wyoming Excellence chairs must be in the College of Education. The remaining endowed faculty members must have established reputations in other areas of distinction as identified in the university academic plan, including business, arts and humanities, mathematics, cultural studies, economics and law.

To jump-start the program while the endowment corpus was filling, and pursuant to Enrolled Act No. 54, Senate, Section 1 (c) (ii), the fifty-eighth Legislature of the State of Wyoming appropriated \$2.8 million in one-time funds, subsequently reduced to \$1.8 million, to be distributed to the University of Wyoming and expended exclusively for the purposes specified in W.S. 21-16-1202 (b). The one-time appropriation allowed the university to begin filling positions in fiscal years 2007 and 2008. Those initial positions were then funded permanently with earnings from the Excellence in Higher Education Endowment.

2. Summary and history of authorized positions

Under W.S. 21-16-1204, UW must report annually on faculty positions partially or fully funded through the endowment program, including the name of each faculty member filling a Wyoming Excellence chair, their education and experience, their research and instructional activities, and the benefits of their research and instruction.

The jump-start appropriation became effective July 1, 2006. The Provost developed a planning budget for the allocation of positions to be supported with these funds during the 2007-2008 biennium, while the \$70M endowment account began to fill. Based on the planning budget, three searches were authorized with jump-start funds: two in the College of Education (fulfilling

one-half of the legislative mandate requiring four positions in the College of Education) and one in the College of Arts and Sciences Creative Writing MFA program.

During the second year of the biennium, as more information became available about anticipated payouts to the university from the state-managed endowment account, the Provost's office authorized more searches, in two phases. Seven additional Wyoming Excellence endowed chair positions were authorized during fiscal year (FY) 2008, and five more were authorized in July 2008 for a total of fifteen authorized endowed faculty positions. Four of these 15 positions were to be funded with earnings combined from both the state account and private endowment gifts to the university, allowing for a greater number of search authorizations and establishing a unique private-public partnership in endowing distinguished professorships.

The decision to authorize the fifteen positions was based on a budget for salary, benefits, and other position-related costs consistent with the projected payout estimates provided by the state treasurer's office prior to the financial market declines realized later in FY 2009. Subsequent financial market events mandated the need to reevaluate the size of the budget and number of permanent positions that could be supported by the endowment earnings. Given the need for exceptional prudence in filling permanent faculty positions, and consistent with representations to the Joint Appropriations Committee, the university placed a number of the previously authorized searches on hold through FY 2010. At the beginning of the current fiscal year, after a careful evaluation of the anticipated earnings stream and the accumulated reserves held in the University account, the Provost authorized searches to fill a number of the on-hold positions.

At the time of this report, of the fifteen planned positions:

- Eight have been allocated permanently and filled. These eight include the Eminent Writer in Residence, the Fine Arts Visiting Artist in Residence, the Ecology chair, the Prion Biology chair, and the four legislatively mandated positions in the College of Education.
- One has been allocated permanently, to be filled in FY 2011. This newly allocated position is in the Life Sciences area of atmosphere-biosphere interactions;
- Five positions will be supported with Endowment funds for a bridging period of four years (FY 2011- FY 2014) to enable UW's colleges and departments to continue to build programs consistent with the legislative mandate. In each case, a plan for permanently funding the position beyond FY 2014 has been developed by the respective college dean or program director. These five include: the Art Museum Master Teacher, the Spicer Chair in Collaborative Natural Resource Management, and three positions partially supported with private endowment funding in accounting, biomedical physiology, and law.
- One position, in Community Economic Development, remains on hold with temporary funding allocated to lay a foundation for a future position and program in this area.

The 15 authorized positions conform to the legislative mandate. Four positions in Education, as prescribed by the legislation, have been created and all are now filled in areas critical to the future of K-12 education: literacy, science education, and mathematics education. The strategy for allocation of the others was to coordinate a set of positions in the life sciences, an institutional area of distinction identified in the University Plan, and to build greater depth in other areas of distinction, including the arts and humanities and professions critical to the state such as business and law. In addition, positions were selected for allocation based on their potential to address economic and social challenges in the state, such as community economic development, livestock and wildlife disease, and managing natural resource conflicts. The allocation strategy is reflected in the following table, and the 15 allocated and planned positions are described in detail below.

Allocation strategy	Number of positions	College/Academic Unit
Education	4	Education
UW Areas of Distinction		
Arts & Humanities	3	Arts & Sciences Art Museum
Life Sciences	4	Arts & Sciences Agriculture Engineering Haub School & Ruckelshaus Institute
Professions Critical to Wyoming	2	Business Law
Other Economic and Social Challenges	2	Agriculture Haub School & Ruckelshaus Institute

Position descriptions

College of Education (four positions authorized; four filled)

Four of the fifteen positions allocated reside in the College of Education with focuses on literacy, science, and mathematics education. The individuals selected for these positions are tasked with developing and leading nationally recognized programs in these fields and are expected to be magnets for attracting the best and brightest junior faculty and students into these critical areas of teaching need in Wyoming. These positions represent the four Wyoming Excellence chairs that must, by law, be in the College of Education.

- Literacy. Dr. James F. Baumann** joined the UW College of Education, as the first Wyoming Excellence Chair in Literacy Education. A professor of language and literacy education most recently at the University of Georgia, Baumann earned a B.A. degree in psychology (1971) at the University of Notre Dame, and received his M.S. (1973) and Ph.D. (1980) degrees in curriculum and instruction at the University of Wisconsin-Madison. Dr. Baumann taught graduate- and doctoral-level courses at UW during the fall and spring semesters. The courses introduced technological tools such as iTunes and eCompanion to enrich the course content which was based on his research on literacy

assessment and research methodologies. Baumann authored *Topics of Language Disorders*, and co-authored chapters in the *Handbook of Reading Disabilities Research and Literacy Research Methodologies*. He presented papers at the International Reading Association and National Reading Conference, and the Annual Conference of the U.S. Department of Education's Institute of Education Sciences. He served on professional scholarly panels of the International Reading Association: the Research Advisory Group of the Status of Reading Instruction Institute and the Response to Intervention Commission. He continues to serve on the editorial advisory boards for the journals *Reading Research Quarterly* and *Reading Psychology: An International Journal*. In 2010, Baumann and colleague P. Manyak initiated work on a \$1.78 million federal research grant exploring the efficacy of instructional procedures for developing the vocabulary of upper-elementary school students. Wyoming teachers were able to attend presentations made at the Wyoming School Improvement Conference. Due to the efforts of Dr. Baumann and others, the *University of Wyoming Center for Literacy* is included in the most recent UW strategic plan (Academic Plan III). The Center, when fully functional, will provide critical literacy diagnostic and tutoring services to children and families in the state and region, develop graduate literacy education programs, provide professional development for reading and writing teachers, and support important research in literacy teaching and learning. Dr. Baumann also worked to develop a Ph.D. specialization in Literacy Education at UW, which is beginning to attract advanced graduate students who seek to become the next generation of leaders in research and scholarship in literacy education.

Dr. Baumann resigned from UW at the end of the academic year and the College of Education has already launched a search for his replacement.

- **Science Education. Dr. Tim Slater** earned a B.S in Physical Science and a B.S in Secondary Science Education at Kansas State University, a M.S in Physics at Clemson University, and a Ph.D. in Geological Science Education at the University of South Carolina. Dr. Slater is focused on improving UW's national and international recognition for excellence in science education, by successful efforts in research and teaching. In June 2010, Dr. Slater was awarded NASA's prestigious Top Stars Educator Award. He was commissioned by the President's National Research Council to write the professional scientists' perspective on the next-generation *National Science Education Standards* and was appointed to a 12-member blue ribbon commission on science education research for the *National Academy of Sciences*. Also, on the national scene, Dr. Slater has been elected to a 3-year appointment to the Board of Directors for the *National Science Teachers Association* and to the *Board of the American Astronomical Society*. Dr. Slater has been leading national institutes for master K-12 teachers on how to supervise student teachers and seminars for the College of Education professors on contemporary strategies for preparation of future teachers. He spent the last year aggressively recruiting and developing stable funding sources to attract top-tier graduate students in science and mathematics education to UW. He's been instrumental in enhancing UW's Internet presence as a national center for science education excellence through emerging social media outlets. Dr. Slater is actively shaping Wyoming's educational systems at the state level, and has been appointed to the *Wyoming Department of Education's Leadership*

Steering Committee on WY Content and Performance Standards for Schools, and founded the *Wyoming Society for College Science Teachers*. Collaboratively with faculty from the Physics and Astronomy department, he has reinvigorated and is serving as faculty advisor for UW's MS-Teaching Physics degree program for Wyoming high school teachers and has secured funding from the Wyoming Space Grant Consortium to support this endeavor. He was awarded a grant from the Wyoming Department of Education, which was co-funded by the UW School of Energy Resources, to initiate a multi-year teaching excellence institute for northeastern Wyoming's K-12 teachers on how to use robotics in teaching energy resource science.

- **Mathematics Education. Dr. Larry Hatfield.** The College of Education introduced Dr. Larry Hatfield as the Wyoming Excellence Chair in Mathematics Education in the fall of 2009. Dr. Hatfield joined two other Excellence Chairs (in Literacy Education and Science Education) to bring expanded expertise and capacity to broad-ranging efforts related to teacher preparation and in-service teacher professional development. Dr. Hatfield earned a B.S in Mathematics from the University of Minnesota, and M.A. in Mathematics from Western Michigan University and Ph.D. in Mathematics from the University of Minnesota. In line with his focus upon doctoral Mathematics Education, Dr. Hatfield assumed the Mathematics Education Ph.D. graduate program directorship, and developed and taught Analysis & Critique of Research in Mathematics. He conducted two professional development sessions with Albany County School District middle and secondary mathematics teachers and presented at the 8th Annual Conference of Math and Science teachers in Casper. Dr. Baumann envisioned and created the invitational planning conference for the *Wyoming Institute for the Study and Development of Mathematical Education* (WISDOM^e) in Laramie, which will bring 6 leading scholars and ten promising researchers from the U.S., Canada, and Nepal to work with UW-based teams. He also conceptualized and planned an invitational planning conference for the *Wyoming Academy for Mathematically Promising Students* (WYO-AMPS). WISDOM^e and WYO-AMPS will be held in the fall of 2010. During the 2009-2010, Dr. Baumann, in collaboration with other UW faculty, wrote proposals for several large federal research grants.
- **Literacy Education. Dr. George Kamberelis** joined Dr. James Baumann in January 2010 to bring the dual expertise of reading and literacy education to UW's elementary and secondary education and pre-service teacher programs. He earned a B.A in Philosophy and Religion from Bates College, an M.A. in Literature and Religion from the University of Chicago, and a M.S. in Psychology and Ph.D. in Education and Psychology from the University of Michigan. Dr. Kamberelis is a member of the National Assessment of Educational Progress Test Development Standing Committee of the National Center for Education Statistics and Education Testing Service, and editor-in-chief of *Linguistics and Education: An International Journal*. He is also on the editorial advisory board for *Literacy Teaching and Learning: An International Journal of Early Reading and Writing*. During 2010 spring and summer, Dr. Kamberelis taught graduate seminars at UW in adolescent, adult, and workplace literacies, and literacy education. He serves as master's or doctoral committee advisor for nine students at UW and seven students from other institutions, and is the advisor for the undergraduate English

Education certification program. He collaboratively works on three research projects; children's literacy development, teachers' understandings of and responses to people from cultural backgrounds very different from their own, and theoretical formulations of the relations between language and literacy practices and identity formation. Based on his work on genre teaching and learning, he has been invited or appointed to standing committees and steering committees with New Standards, the National Assessment of Educational Progress, and the Common Core State Standards Initiative of the National Governors Association. Events for the public included: *Inside the Ethnographer's Studio* and *Moving the Human Eye and Mind: The Grounding of Cognition in Visual, Musical, and Literary Arts*. These public lectures have had a direct impact on the learning and career development of UW students and faculty, teachers and administrators in the state, and the residents of the Wyoming.

Arts and Humanities (3 positions authorized; 3 filled)

- **Eminent Writer-in-Residence (one permanent visiting position, to be filled each year).** One of three positions allocated in the first year of the biennium was for an Eminent Writer-in-Residence, a permanent visiting position to reside in the English Department's Creative Writing Master of Fine Arts (MFA) program. By allowing the university to bring in a new, well-known creative writer each year, this endowed position will help cement the reputation of the MFA as a nationally competitive program in creative writing and will also significantly enhance UW's curriculum in English composition more generally.

In 2009-2010, The Eminent Writer-in-Residence position was shared among three extraordinary authors: the poet **Claudia Rankine**, nonfiction writer **Philip Gourevitch**, and fiction writer **Edward P. Jones**. All three writers performed intensive manuscript consultations with MFA students; in addition, Rankine and Jones taught extremely well-received creative writing workshops. All three also visited classes across campus, including African American Studies, International Studies, and the College of Law, and gave readings of their work in Laramie and, in the case of Jones and Gourevitch, in Cheyenne and Jackson as well. Their stays on campus ranged from two to five weeks. Rankine holds the Henry Lee Chair at Pomona College, and is the author of four collections of poetry and two plays. She has received a Lannan Foundation prize and a fellowship from the American Academy of Poetry. Gourevitch is the author of award-winning books on the Rwanda genocide and Abu Ghraib, an intrepid correspondent for *The New Yorker* and *Harper's*, and has been credited with the revival of *The Paris Review* under his editorship. Edward P. Jones is the author of two story collections and of a novel, *The Known World*, which won the Pulitzer Prize and the National Book Award in 2004. The budget for the Wyoming Eminent Writer in Residence also allowed the MFA program to host visits from a number of remarkable visiting writers during 2009-2010, including, most notably, the great American novelist **Don DeLillo**. Other guests included Native American author **Thomas King**; fiction writers **Rebecca Curtis** and **Glen Pourciau**; the celebrated poets **Kate Greenstreet**, **Gaby Calvocoressi**, and **Nicole Walker**; and one of the most important practitioners of nonfiction today, **John D'Agata**. During their visits, these authors gave well-attended readings, visited

university classes, and spent time in personal conversation with UW writing students. The Eminent Writer-in-Residence will be shared among three major writers in 2010-2011: award-winning fiction writer **Rattawut Lapcharoensap**; the influential poets **Jan Zwicky** and **Robert Bringham** (also a distinguished translator of American Indian folklore); and the acclaimed nonfiction author **Rebecca Solnit**.

- **Fine Arts Visiting Artist-in-Residence (one permanent visiting position allocated).** The endowed Artist-in-Residence is a rotating position that offers students in the departments of Art, Music, and Theatre and Dance the opportunity to work with professional artists with national and international reputations. In addition, the Wyoming Excellence budget for the position supports short-term visits to campus by artists in a variety of fine arts disciplines. These artists participate in theatrical and musical performances and work directly with fine arts students. Each year the lead fine arts department has the opportunity to fill the primary Artist-in-Residence position, and the two other fine arts departments use a portion of the budgeted funds to advertise and to bring prospective artists in residence to campus for shorter periods.

World renowned graphic designer **David Carson** was the primary Fine Arts Visiting Artist-in-Residence in the fall of 2009. Carson earned a B.F.A. in Sociology from San Diego State University, and is principal and chief designer of David Carson Design, Inc. and Creative Director for the Gibbes Museum of Art in Charleston, South Carolina. He and his work have been featured in over 180 articles in magazines and newspapers around the world, including Newsweek and the New York Times. London-based *Creative Review* magazine dubbed Carson “Art Director of the Era.” His first book, *The End of Print*, coauthored with Lewis Blackwell, is the top selling graphic design book of all time, and has been printed in five languages. During the fall 2009 semester, Carson taught a graphic design studio course and a seminar for art and MFA creative writing students. During an exhibition at Gallery 211 of the works he and UW students created, Carson gave a lecture that was offered to the public. He was also active in assisting graphic design students with preparation for the Art Directors Club of Denver Annual Student Exhibition, and AIGA Colorado’s annual Bordo Bello, in which students created skateboard designs that were auctioned to raise money for charity.

The department of Art brought several artists and scholars to the university in 2009-2010. The artists gave class guest lectures, were available for individual student advising and critiques, and presented lectures which were open to the students and public. The list of artists included: New York-based graphic designer **James Victore**, artist **Karen Kimmel**, Inky Paper print artist **Ina Kaur**, Native American painter **Norman Akers**, **John Martinek** for drawing, art historian **Alicia Walker**, and sculptors **John Grade** and **James Surls**. Ina Kaur and John Grade were also featured in the new Department of Art Gallery 211 in downtown Laramie.

Eleven talented artists and professionals were brought by the department of Theatre and Dance this year to work with and present master classes to Theatre and Dance students. More than 22 classes or workshops were presented, with at least one presentation from

each artist open to the UW community. Visiting artists included: choreographer, dancer, and teacher **Ammii Legendre**, actor/director/designer and co-artistic director for Vintage Theatre in Colorado **Bernie Cardell**, and producer and director for Miners Alley Playhouse in Colorado **Rick Bernstein**. **Josh Woodie**, whose New York City credits include *Cleopatra – A Life Unparalleled* (role Julius Caesar *Outstanding Lead Actor Nomination), *The Day the Music Died* (Don McLean), *Brunch – The Musical*, led student discussions on the *Business of the Business in New York*. Also in residence was **Craig Anton**, a working film and television actor and comic. Anton has had lead roles in *Phil of the Future* (Disney Channel), *MAD TV* (FOX), *First Time Out* and *The Army Show* (the WB), and many guest star roles in shows like *CSI Miami*, *The Office*, *Raymond*, and *Curb Your Enthusiasm*. Lortel Award for Outstanding Achievement, Off-Broadway, Outstanding Choreographer winner **Peter Pucci** created a piece for student dancers for the American College Dance Festival Association festival. Director, choreographer, and performer **Barbara Hartwig**, who danced with Baryshnikov at the White House, toured the U.S. with *Me and My Girl* and *Europe with Oklahoma*, and worked as a staging specialist at Walt Disney World, was in residence in January. Other visitors included: **Johanna Smith**, founder of 5foot2 Productions in Washington D.C and whose original children's shows, puppets, and workshops were featured at the Smithsonian Institution; **Paul Kalina**, a founding member of 500 Clown, an invited artist of *Cirque du Soleil*, and Director of Clowning for Chicago Goodman Theatre's production of *Animal Crackers*; **Charlie Oates**, specialist in interdisciplinary collaborations and alternative performance spaces, who is also a movement coach and fight choreographer and has been a guest artist and taught at many leading actor training programs all over the world; and **Carlos Manuel** taught and performed his one-man show *La Vida Loco* as part of the Shepard Symposium on Social Justice.

The UW department of Music used Fine Arts Visiting endowment funds to bring jazz vocal group **New York Voices** to campus in the fall of 2009. The group presented public concerts, provided coaching of student groups, presented master classes, allowed open rehearsals and performed with high school students as part of the Jazz Vocal Workshop.

Pulitzer Prize winning composer **Jennifer Higdon** will be the primary Fine Arts Eminent Artist for 2010-2011. She will be working with composition students, ensembles, and chamber groups. Faculty members will be recording some of her music, and she will be traveling to the Music Educators National Conference Convention in Seattle with the UW Collegiate Chorale. The Chorale will be featured performers, and will present her music. Ms. Higdon will be a keynote presenter at the convention.

- **Art Museum Master Teacher. Heather S. Bender (position funded temporarily through fiscal year 2014).** A commitment has been made to fund the Master Teacher project with Wyoming Excellence funds, after which the UW Art Museum will continue support for the position with private donations. Ms. Heather Bender earned a B.A. degree in Art and History, with a minor in Education, from Salisbury University and holds a Wyoming State Teacher Certificate. Previously, Bender was the director of LCSC Center for Arts and History in Idaho, and education specialist at the Buffalo Bill Historical Center in Cody, Wyoming. The numbers are impressive. From July 1, 2008

through June 30, 2009, there were 5,496 participants in education programs at the UW Art Museum. One year later - over the same 12 month time period - 9,019 participants viewed UW Art Museum exhibits, investigated artists, their ideas, materials and methods, created new art work, and reflected on the results of this inquiry process. The addition of Ms. Heather Bender made it possible to essentially double the number of education classes, tours and workshops. But numbers tell only part of the story. New partnerships with two local pre-schools and daycare centers made it possible for Laramie's youngest students to directly explore original art through this pilot program. UW pre-service art and elementary education students worked with Bender to explore and strengthen their integrative teaching skills, using art as the entry point for exploring such subjects as writing, social studies, math and science. The Teen Apprenticeship Program, developed as a pilot program two years ago, solidified and expanded under the Master Teacher's guidance, providing 16 teens who volunteered 204 hours as studio assistants, with opportunities to meet and work with professional artists like Neltje, and to develop their art portfolios in the UAM's Shelton Studio. The After School Enrichment Program, which targets writing and art skills development for students in grades 4, 5, and 6, expanded to 7 consecutive visits per school in a partnership with Albany County School District #1. Regionally students benefitted as well as they came from schools in Cheyenne; Casper; Douglas; Gering, NE; and Livermore, CO to explore new worlds of ideas under the guidance of UWAM's Master Teacher.

Life Sciences (four positions authorized; two filled, two searches authorized)

- **Ecology. Dr. Ingrid Burke** joined the university faculty in fall 2008 as the first Wyoming Excellence Chair in Ecology, a tenured faculty member in the departments of Botany and Renewable Resources, and the director of the Haub School and Ruckelshaus Institute of Environment and Natural Resources (ENR), and the Wyoming Conservation Corps. Dr. Burke earned a B.S. in Biology from Middlebury College and a Ph.D. in Botany from the University of Wyoming. She oversees the Haub School and directs the Ruckelshaus Institute's applied research efforts, with an emphasis on Wyoming's open space, and water and energy resources. Over the past year, Burke has focused in increasing the scope and depth of interdisciplinary opportunities for UW students interested in natural resources and environment at UW by partnering with colleges to expand course offerings; enrollment increased in spring 2010 to 177 majors and minors. She advises four graduate students and currently has three Ph.D. students, one of whom is from Mongolia on a Fullbright fellowship. Her advisory board and committee memberships include: Governor's Building the Wyoming We Want initiative, Wyoming Energy Resources Council, two committees for the Environmental Protection Agency's Scientific Advisory Board, the Ecological Processes and Effects Committee, and the Report on the Environment advisory committee, and a National Academy of Sciences committee on the environmental and economic impacts of biofuels. In 2010 Dr. Burke has thus far published three peer-reviewed articles. In the service of the state, the ENR program has in the last year sponsored and co-sponsored conferences on Energy-Produced Water, Sustainability, and will sponsor another on Bark Beetle Management. ENR produced a publication on water and climate in Wyoming, a report on improving

wildlife migration corridors, ran two training sessions on facilitation and negotiation (see also Dr. Smutko's section), and sent 48 Wyoming Conservation Corps students into service on Wyoming's public lands.

- **Prion biology. Hermann M. Schätzl, M.D.** joined the Departments of Veterinary Sciences and Molecular Biology in the College of Agriculture and Natural Resources in January 2010. Dr. Schätzl earned an M.D. in Retrovirology from Mac von Pettenkofer Institute for Microbiology and Hygiene in Munich, Germany. Building on his scientific achievements and his international reputation in the prion research community, he is focused on improving UW's national and international recognition for excellence in livestock and wild life diseases. Central to his research are prion diseases, strictly deadly neurodegenerative infectious disorders in human and animals. Chronic wasting disease (CWD) in elk and deer is presently the most contagious prion disease. CWD is therefore of particular importance to Wyoming's livestock and tourism sectors, its economy, landscape, and lifestyle. Whereas Bovine Spongiform Encephalopathy in cattle clearly had zoonotic potential, resulting in the variant form of Crutzfeld Jacob syndrome Disease in humans, this question is still open for CWD. Dr. Schätzl's attempts to better understand these diseases on a molecular and cellular level will ultimately benefit in means to contain the further spread of CWD and thereby reduce the potential risk for human consumption. A long-term goal is the development of a wild-life vaccine against CWD, a product which might be also of interest for Wyoming-based businesses. In the meanwhile he has successfully transferred his laboratory operation and has started to build an internationally competitive prion research group, attracting local as well as international students and researchers. He has submitted grant applications over \$2.5 million to the National Institutes of Health. Schätzl has been invited to sit on a prestigious research review panel within the National Institutes of Health. He is also part of the Neuroscience Center (COBRE program) and member of the Molecular Cellular Life Sciences, Neuroscience, and Biomedical Sciences Ph.D. programs at UW. He is in the process of establishing his own student course dedicated to prion and related diseases to provide best possible education to students in this area of science and to build awareness for these devastating diseases. He also had the textbook he was co-authoring (Molecular Virology, 3rd edition 2010) translated into English to make it accessible to UW students. In order to give students, faculty, and Wyoming residents insights into the most recent developments and state-of-the-art research in this area, he has started to engage leading scientists on a regular basis, including Nobel prize laureates. This will increase UW's visibility in international research and also significantly contribute to general science awareness in Wyoming
- **Atmosphere-Biosphere Interaction (position authorized for searching in FY 2011).** The Colleges of Engineering and Agriculture had initiated a search for a distinguished scholar focused on processes controlling atmosphere-biosphere interactions when the position was put on hold. The colleges are reinitiating this search this year. To reside in the departments of Atmospheric Sciences and Renewable Resources, the faculty member to hold this Wyoming Excellence chair will study the relationships between changes in climate and terrestrial ecosystems, with an emphasis on the complex, semi-arid terrains of Wyoming. The position will have a critical role as well in developing the newly formed

research partnership between the University of Wyoming and the National Center for Atmospheric Research (NCAR). Prior to the position being put on hold, jump-start funds were used to purchase an Energy Dispersive X-ray Spectroscopy system, which enables the existing scanning electron microscope to rapidly determine elemental compositions of particles simultaneously with measurements of sizes and shapes of particles. The new system constitutes a major addition to UW's capabilities to meet the needs of researchers, and has been deemed critical to attracting a qualified scientist for this endowed position.

- **Biomedical physiology (position authorized for searching in FY 2011).** The College of Arts and Sciences Department of Zoology and Physiology had begun a search for a distinguished biomedical physiologist to train students in physiology and health sciences, and to conduct innovative research to build the university's distinction in the life sciences. The endowment for this position is partially private, and the professor selected to fill it would also hold the title "Hank Gardner and Marilyn Fiske Chair of Physiology."

Professions Critical to the State (two positions authorized in the Colleges of Business and Law).

The Excellence in Higher Education endowment afforded UW the opportunity to complete several partially funded, privately endowed chairs, creating unique state-private partnerships in building excellence in areas of distinction at UW. Two such positions are in the Colleges of Business and Law. Both positions are being supported with temporary funding from the Excellence Endowment:

- **Accounting. (searching in FY 2011)** The College of Business had initiated a search for a distinguished professor to fill the Wyoming Excellence and Toppan Chair in Accounting when the position was put on hold. Clara Raab Toppan, the private donor, was the first woman CPA in the state of Wyoming. The goals for the Toppan professorship are to recruit accounting students into the profession by connecting with high schools and community colleges throughout the state and region, and to enhance the effectiveness and impact of UW's accounting education program in supporting business development and sustainability in Wyoming. The College of Business has reinitiated this search.
- **Law. (filled temporarily)** A second such partner position was to be located in the College of Law, which had initiated a search for a permanent faculty member to fill the Wyoming Excellence and Kepler Chair in Law and Leadership. The scholar chosen for this position is expected to bring critical expertise in energy or natural resource law to University of Wyoming, and to create and build linkages between the College of Law and the new School of Energy Resources.

During the 2008-2009 academic year **Mr. Dennis Stickley** came to UW on a visiting professorship funded jointly by the Excellence Endowment and College of Law. The financial arrangement has been extended through 2014, and has also received financial support from the School of Energy Resources. Professor Stickley received a B.S. in

international agriculture, M.S. in resource economics and J.D. degree from the University of Wyoming, and a Master of Laws degree in energy law from the University of Utah. He is recognized as an international expert in energy law, and has been listed in the *Guide to the World's Leading Energy and Natural Resources Lawyers*. Professor Stickley is a member of the Extractive Industries Technical Assistance Facility panel of experts of The World Bank.

At the College of Law, Professor Stickley taught oil and gas law and international petroleum law. In the 2009 fall semester, he organized a conference on “*The State of the Dominant Estate*” as the inaugural event of the Rural Law Center at the College of Law. He also made several presentations to UW and international audiences during the year. They included: “*Energy Federalism*” at several university-sponsored conferences and panels, and “*Negotiating & Documenting Petroleum Industry Transactions*” at the University of Dundee’s Centre for Energy, Petroleum & Mineral Law & Policy, in Scotland. Kyung Hee University in Korea has invited Professor Stickley to speak on “*Legal Adjustment on the Activation of the Industrial Utilization of Nuclear Energy: the View from the United States*”, in November, 2010.

During the 2009-2010 academic year, Professor Stickley also continued his research on wind-energy development and made a report to the Joint Judiciary Committee on proposed legislation to recognize and regulate wind-energy rights. He continues to supervise student research on the subject of eminent domain for private collector systems. He is also collaborating with the Economics Department on research related to the role of carbon markets in reducing global warming. His work will focus on the development of contractual instruments in carbon dioxide trading.

Other Economic and Social Challenges (two positions planned).

- **Community economic development. On hold.** The focus of the Wyoming Excellence endowed chair in Community Economic Development, should it be permanently funded, will be on building the relationship between community economic development and the region’s natural resource base, particularly in Wyoming, with a goal of assisting communities to manage and plan for growth and change. In addition to the Ph.D. in Agricultural Economics, Economics, or equivalent degree with documented experience in regional economics, community development, and natural resource policy, other desirable qualifications include working experience with GIS and geospatial analysis, the economics of industry location and site analysis, and/or community development implementation processes. The academic home of the endowed chair in Community Development would be the College of Agriculture. During fiscal years 2011 and 2012 the College will receive temporary funds which will be used to support a Research Scientist or Postdoctoral Associate who will work on developing place-based data and analyses that can lay the groundwork to support the development of this area of research and outreach.

- **Collaborative natural resource management. Temporarily supported with Wyoming Excellence endowment funding, alternative permanent funding arrangements in place.** Dr. Steven Smutko joined the university faculty in January of 2010 as the new Wyoming Excellence Spicer Distinguished Chair in Environment and Natural Resources, one of the first of its kind in the nation devoted to collaborative decision-making. Smutko is a faculty member in the Department of Agricultural and Applied Economics, in addition to his role as UW's Spicer Chair, based in the Haub School and Ruckelshaus Institute of Environment and Natural Resources (ENR). Dr. Smutko has a B.S. in Outdoor Recreation from Colorado State University, a Master in Community and Regional Planning degree from North Dakota State University, and a Ph.D. in Economics with specialization in resource economics from Auburn University. Dr. Smutko has worked since 1995 as an extension specialist in the Department of Agricultural and Resource Economics at North Carolina State University in Raleigh and at the same time served as North Carolina Natural Resources Leadership Institute director. His research interests include natural resources and environmental economics, public decision-making and negotiation. Beverly Spicer of Rock Springs endowed the ENR program, which led to the establishment of the Spicer Chair. The Spicer Chair, created to link teaching, outreach, and research in collaborative processes, will reach all disciplines in natural resource science and policy. Under the leadership of Smutko, the Ruckelshaus Institute of Environment and Natural Resources and the Wyoming Agriculture and Natural Resource Mediation Program have launched a series of trainings designed for natural resource professionals. The series, "Natural Resource Decision-Making and Communications," includes three major workshops in facilitation, negotiation and media and communications skills. Smutko gave presentations at national conferences in collaborative decision making, and continues to serve on the formative steering committee of the University Network for Collaborative Governance. He received a grant from the National E-Extension Program to develop a national in-service training for Cooperative Extension in deliberative democracy. Dr. Smutko also serves as a professor UW and is teaching a dual and cross-listed course in Negotiation Analysis through the Department of Agricultural and Applied Economics and ENR. The goal of this course is to help students become more effective problem solvers through the application of analytical methods for negotiation preparation, option evaluation and selection, and evaluation of negotiated outcomes.

3. Fiscal Summary

The costs associated with each position include salaries commensurate with the market for top academics, employer paid benefits, ongoing budgets to support research and instructional activities, as well as one-time start up expenses which are especially critical to recruiting distinguished scholars with large established laboratory research programs.

The balance in the Excellence in Higher Education Endowment expenditure account held at the university as of June 30, 2010 is \$5.7 million. Total expenditures for the 2011 fiscal year are currently budgeted at \$3.2 million.

The following tables summarize the uses and expenditures of the budgets for filled positions, and the total estimated initial cost of the program when all 15 allocated positions are filled. Not shown are projected costs as the program continues. Costs are anticipated to increase at the rate of approximately four (4) percent a year, in conjunction with anticipated salary raises and increases in benefit and support costs. Wyoming Excellence chairs will not receive salary raises in years in which salary increases are not available to other UW and state employees. The temporary increase in expenditures for the next few fiscal years attempts to: (a) invest in critical start-up expenses of new and newly hired endowed chairs; (b) provide temporary support for key areas not yet assigned permanent positions; and (c) manage the existing cash balance within a target range.

**Use and Expenditure of Funds
July 1, 2009 - June 30, 2010**

Balance July 1, 2009	\$3,205,499
Advertising and Recruitment	(\$58,867)
Salaries and Benefits	(\$1,612,500)
Support	(\$379,638)
Equipment/facilities	(\$90,566)
Income (distribution from state and interest)*	\$4,641,641
Balance June 30, 2010	\$5,705,569

*includes 4th quarter 2009 distribution

Estimated Annual Budgets for Nine Permanently Funded Positions

FY2012	FY2013	FY2014
\$2,544,000	\$2,552,000	\$2,413,000

Estimated Annual Budgets for Bridge-funded Positions

FY2012	FY2013	FY2014
\$1,061,000	\$970,000	\$593,000

Estimated Annual Expenses for All Fifteen Positions, when filled

Salaries	Employer Paid Benefits	Support for Research and Instructional Activities	Total Annual Expenses
\$1,797,000	\$629,000	\$745,000	\$3,171,000