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Tribute to Dean Girvan

Top pictures left to right:
Jim listens sympathetically to Jim Kissler, CEO Norco Inc., at the grand opening of the Norco Nursing and University Health Services building;
Jim waves to the camera at the 2009 Alumni Homecoming miniature golf tournament;

Bottom pictures top to bottom, left to right:
Jim poses with friend Hartzell Cobbs, retired director of Mountain States Group;
Jim speaks at Dr. Elaine Long’s retirement party;
Jim holds his granddaughter, Rose, after the 2009 Alumni Homecoming miniature golf tournament.
Introduction
This edition of the College of Health Sciences’ annual report is a bit bittersweet for me. The State of the College message marks my last official act in my role (now former role) as Dean of our College. Consequently, this message will be different from those in past editions of the annual report. As you will note by reading through this document, the 2009-2010 academic year has been outstanding in many ways despite the downturn in the economy. I invite you to immerse yourself in this report, and you will discover how valid this claim of ongoing success is.

Thanks to Community Partners
However, at the outset I want to say thanks to all of the community agencies and partners who so bolster and support our programs; we would be “dead in the water” without you. You help make the learning experiences for our students “real” and bring a sense of shared vision and values to assist us in crafting the best possible programs for our students. These partnerships also assist us in assuring that we meet community need and better serve the state of Idaho. I also would be very remiss if I failed to honor the excellent efforts of each member of our College faculty and staff. You are such terrific colleagues, and your energy, caring nature, innovation, and “get it done right” mentality continues to make our programs the standard for many.

I also want to thank the Kissler Family Foundation, Saint Luke’s and Saint Alphonsus, the students of Boise State University, and our many community donors for their generosity in providing funds for the opening of the new Norco Building, housing our School of Nursing and University Health Services. This facility has already transformed the educational process and elevated the experiences offered to our students and our current health provider community.

I have chosen to concentrate my main remarks on one topic that I hope will be meaningful to our campus community and all of our partnering agencies and supporters as the College transitions to new leadership under Dean Tim Dunnagan. There are so many new opportunities yet to be discovered and/or unveiled, the future is exciting to ponder.

Lessons to Live By
These are my “lessons to live by” that I think form foundational building blocks for success in most any endeavor (but particularly in higher education). Please know there are not many of them as I do not pretend to have all the answers—just some wisdom from living and learning on earth for quite a few years and handling more than a few difficulties/challenges that emanate from similar strands of cause. The lessons are not listed in any particular order as all are important. When ignored, it is my experience that they can lead, and have led, to personal and/or relationship issues that compromise both success and happiness in the career path we have chosen or the program we serve.

1. The song “The Boxer” by Paul Simon features a line, “A man hears what he wants to hear and disregards the rest.” This has never been more true than today. In politics, in education, in health care, in society in general we are so turned inward that we refuse to really listen to one another. The first uttered word we disagree with seems to set off a signal that blocks out all other parts of a message. Nothing compromises good ideas and best solutions more than that response. Consideration of differing perspectives is what
made this nation great; I fear we are in jeopardy of losing that gift of history and tradition if we continue on the road we now travel.

2. In his latest book, Michael J. Fox discusses the positives that have occurred in his life as a result of contracting Parkinson’s disease. He points out that life is not best lived by concentrating on expectations. Real life is most fully realized by making the adaptations necessary when the unforeseen occurs - as it ultimately will. How a person reacts and moves on creates life’s quality. Whether the adaptations need to occur because of health issues, relationship issues, boss issues, or whatever, there are always opportunities waiting around every corner.

3. In recruiting faculty and staff, I have always gone back to a maxim I used when coaching college baseball: “No matter how good the athlete (person) is in his (or her) sport (profession), if she/he has a big ego and sees himself or herself as the ‘game changer’ then I am not interested in having him (her) play for our team.” There are many who are extremely talented and accomplished in their calling; it is my experience that there are too few that will subjugate themselves for the benefit of a program and be truly team players. The best academic (and other) programs are staffed with very talented persons who go out of their way to collaborate with one another and community.

4. Give credit where credit is due. While each of us has achieved at a high level because of hard work, better than average intelligence, and perseverance, none of us has done it alone. Acknowledging the contributions of others along the way is a sure-fire way to gain credibility and to enhance the feelings of caring and collaboration necessary for continued success.

5. Students are our most important reason for serving as a faculty or staff member in an institution of higher education. Creating a better future for all often occurs most readily and effectively through the collaborative ventures linking community and university. We should never take our eye off that goal.

**Thanks from Dean Jim Girvan**

Thanks for reading this far and hanging with me. In conclusion, the most important part of this message is to try to say in words that which is impossible—thanks! I am humbled and filled with gratitude for the wonderful support I have been gifted with from each of you over the past 11 years while serving as Associate Dean and then Dean of the College of Health Sciences. Because of all of you this is by far the best place I have ever served. We have accomplished much together, and there are many fruitful and exciting avenues to pursue in the future. It has been the honor of a lifetime to serve and represent you. As I open a new chapter in my life, I wish you blessings always.
Welcome and Future Focus from Dean Dunnagan

It is an honor and a pleasure to be the fifth Dean of the College of Health Sciences (COHS) at Boise State University (BSU). The work and dedication of the former Dean, faculty, staff, students and community partners is evident. The College is distinguished by dedicated faculty and staff who truly care about teaching students to become high quality health practitioners and care givers. Without a doubt, the faculty and staff in the COHS regard BSU as much more than just a place to work; it is a place where they make a difference in the world.

As the COHS looks to the future, we need to take stock of all that we have and all that has been contributed by community partners, researchers, instructors and students. We also need to examine how we will continue to contribute to the inspiring BSU mission of becoming a “metropolitan research university of distinction” and the health-related needs of our state and nation. Health care reform represents the most significant health care legislation since the creation of Medicaid and Medicare in 1965. All departments in the COHS need to be significant players that address these realities at the local, state and national levels.

To this end, we will continue to maintain quality undergraduate programming, which is the foundation of our College and will continue to evolve and provide distinctive four year degrees for our graduates. Second, we will also need to examine what it means to be a “health research college of distinction” and how we need to grow and mature our research agendas. More effort will be directed to our research efforts. Third, there is a need for clinicians and public health practitioners to have seamless access to relevant advanced health degrees. Consequently, we will be refining and expanding the type and delivery methods associated with our graduate offerings. Finally, we will apply the skills that have been used to forge quality community partnerships to expand academic partnerships with other colleges and universities. We see partnerships as an essential avenue for growth and development in all of our endeavors.

As we progress with our future plans, the work of COHS faculty, staff and students will be shared and reviewed by the larger BSU community and our community partners. Collectively, we will create the future for the COHS.

Now, please read and enjoy learning about the many accomplishments of faculty and students this past year. I think you will be impressed.
Vision Statement
The College of Health Sciences at Boise State University: Setting the standard for educating tomorrow’s health professionals today.

Preamble
The Strategic Directions document that accompanies this statement will be utilized to map and assess the results of actions in the College of Health Sciences through the year 2012. It identifies the core goals, strategies, and key performance indicators that serve to guide the College, and may be modified or revised on an as-needed basis.

Our strategic directions are based on the following foundational principles:

- All programs with specialized accreditation will maintain the standard to assure high quality graduates.
- Infrastructure support will consistently be sought to fund current and future staff, facility, program, and research excellence.
- Community partnerships will provide the underpinnings for program success.
- Policies and services that promote a respectful and safe environment for students, staff, and faculty and maximize student academic success will be utilized.
- The College will operate within the role and mission parameters as defined by the Idaho State Board of Education.

Goals

**Leading Through Teaching Excellence**
Instructional leadership integrating research and community engagement to stimulate lifelong knowledge exploration, critical thinking, and discovery.

**Producing Relevant Research**
Expanding opportunities for faculty, students, and the community to engage in research that impacts human health and quality of life.

**Promoting and Modeling Diversity**
Purposefully integrating diverse perspectives into the learning and organizational culture to nurture passion and respect for the needs of all.

**Fostering Dynamic Community Collaboration**
Actively cultivating community partnerships to foster innovations in teaching, research, and service.
## Strategic Directions

### College of Health Sciences Strategic Directions

<table>
<thead>
<tr>
<th>Strategic Initiatives</th>
<th>Goals</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Leading Through Teaching Excellence</td>
</tr>
<tr>
<td>1 Recruit, develop, and retain outstanding faculty and staff.</td>
<td>✔️</td>
</tr>
<tr>
<td>2 Integrate research into the learning environment.</td>
<td>✔️</td>
</tr>
<tr>
<td>3 Integrate community service into the learning environment.</td>
<td>✔️</td>
</tr>
<tr>
<td>4 Initiate a greater number of student-faculty collaborative projects.</td>
<td>✔️</td>
</tr>
<tr>
<td>5 Expand and enhance relationships with public and private businesses and organizations.</td>
<td>✔️</td>
</tr>
<tr>
<td>6 Establish/maintain focused research centers.</td>
<td>✔️</td>
</tr>
<tr>
<td>7 Expand inter- and intra-institutional collaboration.</td>
<td>✔️</td>
</tr>
<tr>
<td>8 Respond/advocate for degree and certificate programs that meet local and regional needs.</td>
<td>✔️</td>
</tr>
<tr>
<td>9 Cultivate existing and expand the number of international partnerships.</td>
<td>✔️</td>
</tr>
<tr>
<td>10 Enhance the learning environment through the inclusion and diverse perspectives.</td>
<td>✔️</td>
</tr>
<tr>
<td>11 Strengthen ties with members of underrepresented groups.</td>
<td>✔️</td>
</tr>
<tr>
<td>12 Create an infrastructure that supports student academic success.</td>
<td>✔️</td>
</tr>
<tr>
<td>13 Provide credit and noncredit educational opportunities to community-based organizations.</td>
<td>✔️</td>
</tr>
<tr>
<td>14 Develop/implement plan for recruitment and retention of students from multiple backgrounds.</td>
<td>✔️</td>
</tr>
<tr>
<td>15 Maximize use of space, instructional resources and technology for program delivery internally and through partnerships.</td>
<td>✔️</td>
</tr>
<tr>
<td>16 Enhance relationships with College of Health Sciences alumni.</td>
<td>✔️</td>
</tr>
<tr>
<td>17 Bolster the local, regional, national, and international reputation of the College.</td>
<td>✔️</td>
</tr>
<tr>
<td>18 Establish a faculty research mentor program.</td>
<td>✔️</td>
</tr>
<tr>
<td>19 Expand local, state and regional collaborative research and service ventures.</td>
<td>✔️</td>
</tr>
</tbody>
</table>

✔️ Indicates that the Strategic Initiative addresses the Goal
Environmental and Occupational Health student Arleth Medellin is calibrating a sampling instrument used to detect airborne concentrations of gases and vapors.

Radiologic Sciences student Natasha Snyder demonstrates cranial positioning simulations with new Quantum equipment to alumni David Brinegar.

At the 2009 American Association of Respiratory Care (AARC) conference, Respiratory Care faculty Jody Lester, far left, back row, poses with her students, left to right, back to front, Dawn Alverson, Brad Hughett, Grant Drake, Jimmy Matsuura, Candice McClain, Andrea (Skeeter) Young.

Graduating nursing student receives his nursing pin from his family in a traditional pinning ceremony held before each commencement.
# Budget

## Allocation of State Appropriations

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries</td>
<td>$ 4,525,028</td>
</tr>
<tr>
<td>Benefits</td>
<td>$ 1,592,076</td>
</tr>
<tr>
<td>Operating Expenses</td>
<td>$ 210,344</td>
</tr>
<tr>
<td>Capital Equipment</td>
<td>$ 28,864</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$ 6,356,312</strong></td>
</tr>
</tbody>
</table>

## Budget Distribution

- **Salaries**: 71%
- **Benefits**: 25%
- **Operating Expenses**: 3%
- **Capital Equipment**: 1%

![Pie Chart]

- Blue: Salaries
- Red: Benefits
- Green: Operating Expenses
- Violet: Capital Equipment
# Statistics

## DEPARTMENTAL 2009-2010 APPLICANT PROFILES

<table>
<thead>
<tr>
<th>Health Informatics and Information Management AS/BS</th>
<th>Number of Applicants</th>
<th>Number of Qualified Applicants</th>
<th>Mean GPA of Applicants</th>
<th>Number of Applicants who are Idaho Residents</th>
<th>Number of Applicants who are Minorities</th>
<th>Number Accepted</th>
<th>Number Accepted who are Idaho Residents</th>
<th>Number Accepted who are Minorities</th>
<th>Number Accepted who are Transfer Students</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>38</td>
<td>28</td>
<td>3.0</td>
<td>38</td>
<td>3</td>
<td>22</td>
<td>22</td>
<td>2</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental and Occupational Health</th>
<th>Number of Applicants</th>
<th>Number of Qualified Applicants</th>
<th>Mean GPA of Applicants</th>
<th>Number of Applicants who are Idaho Residents</th>
<th>Number of Applicants who are Minorities</th>
<th>Number Accepted</th>
<th>Number Accepted who are Idaho Residents</th>
<th>Number Accepted who are Minorities</th>
<th>Number Accepted who are Transfer Students</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>57</td>
<td>57</td>
<td>3.0</td>
<td>57</td>
<td>4</td>
<td>57</td>
<td>57</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nursing</th>
<th>Number of Applicants</th>
<th>Number of Qualified Applicants</th>
<th>Mean GPA of Applicants</th>
<th>Number of Applicants who are Idaho Residents</th>
<th>Number of Applicants who are Minorities</th>
<th>Number Accepted</th>
<th>Number Accepted who are Idaho Residents</th>
<th>Number Accepted who are Minorities</th>
<th>Number Accepted who are Transfer Students</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>238</td>
<td>182</td>
<td>3.52</td>
<td>196</td>
<td>40</td>
<td>130</td>
<td>105</td>
<td>12</td>
<td>0</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Radiologic Sciences AS Radiography</th>
<th>Radiologic Sciences BS CT</th>
<th>Radiologic Sciences BS MRI</th>
<th>Radiologic Sciences BS Sonography</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Applicants</td>
<td>97</td>
<td>90</td>
<td>3.34</td>
</tr>
<tr>
<td>Number of Qualified Applicants</td>
<td>90</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Mean GPA of Applicants</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Applicants who are Idaho Residents</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Applicants who are Minorities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number Accepted</td>
<td>24</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>Number Accepted who are Idaho Residents</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number Accepted who are Minorities</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Number Accepted who are Transfer Students</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Respiratory Care AS/BS

<table>
<thead>
<tr>
<th>Number of Applicants</th>
<th>51</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Qualified Applicants</td>
<td>49</td>
</tr>
<tr>
<td>Mean GPA of Applicants</td>
<td>2.998</td>
</tr>
<tr>
<td>Number of Applicants who are Idaho Residents</td>
<td>46</td>
</tr>
<tr>
<td>Number of Applicants who are Minorities</td>
<td>4</td>
</tr>
<tr>
<td>Number Accepted</td>
<td>26</td>
</tr>
<tr>
<td>Number Accepted who are Idaho Residents</td>
<td>24</td>
</tr>
<tr>
<td>Number Accepted who are Minorities</td>
<td>3</td>
</tr>
<tr>
<td>Number Accepted who are Transfer Students</td>
<td>10</td>
</tr>
</tbody>
</table>

### Master of Health Science

<table>
<thead>
<tr>
<th>Number of Applicants*</th>
<th>114</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Qualified Applicants**</td>
<td>116</td>
</tr>
<tr>
<td>Mean GPA of Applicants</td>
<td>3.55</td>
</tr>
<tr>
<td>Number of Applicants who are Idaho Residents</td>
<td>70</td>
</tr>
<tr>
<td>Number of Applicants who are Minorities</td>
<td>10</td>
</tr>
<tr>
<td>Number Accepted</td>
<td>38</td>
</tr>
<tr>
<td>Number Accepted who are Idaho Residents</td>
<td>32</td>
</tr>
<tr>
<td>Number Accepted who are Minorities</td>
<td>5</td>
</tr>
<tr>
<td>Number Accepted who are Transfer Students</td>
<td>0</td>
</tr>
</tbody>
</table>

*This number reflects all people who applied, whether or not they actually had a complete application.

**This number reflects all applicants who had a complete application, and met minimum requirements.

### Applicants/Matriculants to Professional Health Programs

#### 2010 Entering Class

<table>
<thead>
<tr>
<th>Professional Program</th>
<th># Applied</th>
<th># Accepted</th>
<th>% Accepted</th>
<th># Denied</th>
<th>#Alternate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical School *</td>
<td>37</td>
<td>21</td>
<td>57%</td>
<td>14**</td>
<td>2**</td>
</tr>
<tr>
<td>Dental School</td>
<td>8</td>
<td>5</td>
<td>63%</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Pharmacy School</td>
<td>22</td>
<td>16</td>
<td>73%</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Chiropractic School</td>
<td>1</td>
<td>1</td>
<td>100%</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Optometry School</td>
<td>1</td>
<td>1</td>
<td>100%</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Physical Therapy</td>
<td>12</td>
<td>10</td>
<td>83%</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Occupational Therapy</td>
<td>3</td>
<td>2</td>
<td>67%</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Dental Hygiene</td>
<td>4</td>
<td>4</td>
<td>100%</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Physician Assistant</td>
<td>18</td>
<td>14</td>
<td>78%</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>Veterinary School</td>
<td>2</td>
<td>2</td>
<td>100%</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Speech Pathology</td>
<td>15</td>
<td>15</td>
<td>100%</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Clinical Laboratory Science</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>123</strong></td>
<td><strong>91</strong></td>
<td><strong>74%</strong></td>
<td><strong>29</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

* Includes allopathic and osteopathic medical schools.

** Two students were not accepted to medical school, but were accepted to special masters programs at medical schools.
## Graduates

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>Aug '09</th>
<th>Dec '09</th>
<th>May '10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Addiction Studies Graduate Certificate</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Addiction Studies Minor — BA</td>
<td>0</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Addiction Studies Minor — BS</td>
<td>0</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>Environmental and Occupational Health</td>
<td>0</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Gerontology Studies Graduate Certificate</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Gerontology Studies Minor</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Health Informatics &amp; Information Management — AS</td>
<td>1</td>
<td>0</td>
<td>19</td>
</tr>
<tr>
<td>Health Informatics &amp; Information Management — BS</td>
<td>0</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Health Informatics &amp; Information Management, Informatics Emphasis — BS</td>
<td>0</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Health Science Studies, General Health Sciences</td>
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<td>27</td>
<td>47</td>
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<tr>
<td>Health Science Studies, Science Emphasis</td>
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<td>3</td>
<td>5</td>
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<tr>
<td>Health Science, Pre-Medical Studies</td>
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<td>0</td>
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<tr>
<td>Health Science, Pre-Veterinary Medicine</td>
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<td>1</td>
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<tr>
<td>Health Services Leadership Graduate Certificate</td>
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<td>0</td>
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<tr>
<td>Master of Health Science</td>
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<td>0</td>
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<tr>
<td>Master of Health Science, Environmental Health</td>
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## Student Marshals

**Fall 2009 Commencement**
- Ashley Bordewyk
- Kathryn Malinak
- Vanessa Olmstead
- Cosette Turnbow

**Spring 2010 Commencement**
- Billy Galligar
- Brianna Ketterman
- Bonnie Powers
- Chuck Ragland, RRT
## Scholarships

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### College of Health Sciences Scholarship Ceremony

The Scholarship Ceremony was held in the SUB Jordan Ballroom on Friday, April 30, 2010 at 2:00 p.m. with approximately 400 donors, students and families, faculty and staff in attendance. The staff members that are featured below were checking in students and they, along with all College of Health Sciences staff, were responsible for the event.

Left to right: Kelley Davis, Nursing, Tabitha Ellis, Nursing student employee, and Maura Rasmussen, Nursing, set up their check-in table.

Left to right: Leslie Black, Dean’s Office, and Angela Garcia, Community & Environmental Health, discuss the ceremony with Tom Turco, adjunct faculty for Community & Environmental Health.

Vi Maccarillo and Traci Anderson, Nursing, check-in a student for the ceremony.

Assisting staff members not pictured above: Sue Antonich, Anita Castello, Michelle Davis, Coleen Dudley, Danya Lusk, and Alexis Rowland.
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## Enrollments

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### DEPARTMENT OF RADIOLOGIC SCIENCES

<table>
<thead>
<tr>
<th>Emphasis</th>
<th>Baccalaureate</th>
<th>Fall 2009</th>
<th>Spring 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diagnostic Medical Sonography</td>
<td>9</td>
<td>15</td>
<td>17</td>
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<tr>
<td>Computed Tomography Option</td>
<td>3</td>
<td>11</td>
<td>4</td>
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<td>Magnetic Resonance Imaging</td>
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<td>Management Option</td>
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<td>General Studies</td>
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<td>Associate</td>
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<tr>
<td>Pre-Radiologic Science</td>
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### DEPARTMENT OF RESPIRATORY CARE

<table>
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<th>Spring 2010</th>
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<tr>
<td>No Subplan Chosen</td>
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<tr>
<td>Pre-Respiratory Care</td>
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<td>42</td>
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</table>

**TOTAL**                                        | 1,005         | 3,399     | 3,281       |

*Respiratory Care Student Organization volunteers to pick up road-side litter.*
Department Profile

The Department of Community and Environmental Health plays a unique role in the College offering undergraduate and graduate degrees and support courses for other programs in the College and University. Approximately 125 students graduate from the Department each year receiving an associate, baccalaureate or master’s degree and we provide course work for over 2,000 students from across campus. In addition, the pre-professional studies program provides advising support to students seeking admission to graduate and professional health related programs from across the University.

The Department offers the following programs, degrees, minors, and graduate certificates:

<table>
<thead>
<tr>
<th>Program and/or Area of Study</th>
<th>Culminating Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental and Occupational Health</td>
<td>Baccalaureate of Science</td>
</tr>
<tr>
<td>Health Informatics and Information Management</td>
<td>Associate of Science</td>
</tr>
<tr>
<td>Health Science Studies</td>
<td>Baccalaureate of Science</td>
</tr>
<tr>
<td>Addiction Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Gerontology</td>
<td>Minor</td>
</tr>
<tr>
<td>Pre-Professional Studies (pre-medical, dental, veterinary)</td>
<td>Baccalaureate of Science</td>
</tr>
<tr>
<td>Master of Health Science</td>
<td>Master of Health Science</td>
</tr>
<tr>
<td>Addiction Studies</td>
<td>Graduate Certificate</td>
</tr>
<tr>
<td>Gerontological Studies</td>
<td>Graduate Certificate</td>
</tr>
<tr>
<td>Health Services Leadership</td>
<td>Graduate Certificate</td>
</tr>
</tbody>
</table>

Members of the Department include nine full-time and one part-time faculty, two professional staff, and one management assistant. Each semester we enlist the support and expertise of approximately 20 adjunct faculty members and colleagues from other departments in the delivery of courses. In addition to on-campus courses, the Department offers classes at Gowen Field, the West and Canyon County locations, online and through the use of technology.

New Members of the Department

Dr. Susan Esp joined the department in January as a full-time tenure-track faculty member and Coordinator of Undergraduate Addiction Studies. Dr. Esp brings a diverse set of talents to the college; she has a Doctorate in Adult and Organizational Learning and Leadership, a Master’s degree in Counseling Psychology, and over 15 years of experience in addiction and prevention counseling with both adolescents and adults. In addition, she has authored a substance abuse prevention program designed for adolescents that is used both nationally and internationally. She is an experienced teacher, program developer and administrator, and presenter, and serves as the current Educational Coordinator for the Boise State University Institute for the Study of Addiction.
Faculty Retirement
The Department honored Dr. Elaine Long with a retirement reception in December. She and her husband James Long (College of Arts and Sciences) have taken flight to other adventures after 35 years of dedicated and distinguished service to the College and University. During her tenure in the department, Elaine served as department chair for ten years and received several prestigious teaching and research awards.

Recognized for integrating research with teaching and learning in high quality programs

Dr. Tedd McDonald was awarded the College’s Outstanding Researcher Award. His role as a research mentor to students and faculty is evident through publications and the community-based research activities he brings to the classroom.

Dr. Uwe Reischl integrated his Spring 2009 sabbatical experience into the classroom by having students in the Master of Health Sciences program conduct an environmental analysis for the City of Nazca in Peru. Students examined population density and industrial development in relationship to transportation of drinking water and waste water infrastructure of the developing city of Nazca.

Thirty-four students from the Department participated in the Seventh Annual Boise State University Undergraduate Research and Scholarship Conference. Faculty mentors included Professors Hannah, Long, Sand, Stephenson, Tengelson and Toevs.

Dr. Uwe Reischl, in collaboration with students Ian Morse and Jonathan Henderson, Department of Mechanical and Biomedical Engineering, continued his research on the development of a mannequin-skin irrigation system to generate controlled regional and whole-body “sweating.” Outcomes of the project included student participation in the Boise State Undergraduate Research and Scholarship Conference.

Students from the department also made presentations at multiple state, regional, and national conferences. These included:

- Idaho Health Information Management Association Conference,
- Idaho Conference on Alcohol-Drug Dependency,
- Joint Idaho Public Health, Idaho Nurses, and Idaho Public Health Associations Conference,
- Environmental Health Association Education Conference,
- Pacific Northwest International Section of the Air & Waste Management Association Conference

(Danielle Long, Master of Health Sciences student, received an award for her presentation on the use of Fourier-Transformed Infrared Analyzer (FTIR) to measure diesel emissions from generators used in the road paving industry),

- Faculty mentors included Professors Esp, Hannah, McDonald, Osgood, Sands, Stephenson, Tengelson and Toevs.
Recognized for partnerships that contribute to regional growth and development

The Healthy Food Slide Rule, an educational tool designed by Drs. Elaine Long and Uwe Reischl, was distributed to participants in the 2009 St. Luke’s Women’s Fitness Celebration. The Slide Rule teaches the importance of including foods from the five food groups in amounts appropriate for age, gender and activity level.

The National Board of Public Health Examiners (NBPHE) recognized Dr. Elizabeth (Lee) Hannah as being Certified in Public Health. Dr. Hannah is currently the only person in Idaho to earn this designation.

Dr. Dale Stephenson and Environmental and Occupational Health student, Jaime Minick, under a contract with a local consulting company conducted a study comparing particulate and organic vapor emissions from both wickless and wick-based candles. Findings will be used by local industries in the development of new products.

Dr. Ed Baker continued his collaboration with Drs. David Schmitz, Alex Reed and Ted Epperly of the Family Medicine Residency of Idaho to investigate ways to improve physician workforce shortages in rural and underserved areas of Idaho. Outcomes of this research activity have received both regional and national attention and efforts are underway to export these activities to other areas of the country.

Over 100 students from the Department participated in local, regional and national internships. The following organizations represent a few of our valued community partners: State of Idaho Office of Performance Evaluations, Friends in Action, Idaho District Health Departments, Department of Environmental Quality, US Public Health Service, Healthwise, St Luke’s, Saint Alphonsus, Boise Veterans Administration Medical Centers, Mountain States Tumor and Medical Research Institute, and Terry Reilly Health Services. We extend a sincere thank you to all the agencies and organizations who work with us in this capacity.

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The Department of Nursing continues to undergo rapid change as we strive to be recognized as a leading center for nursing education in the Northwest.

New Nursing Building
On November 12, 2009 a gala fundraiser was held in the Norco building. One hundred and fifty community members attended and enjoyed tours of the third floor of the building which houses simulation labs, classrooms, and a learning resource center. Select nursing research projects were highlighted. Faculty and students were there to answer questions and provide demonstrations. Almost $16,000 was raised for the Friends of Nursing DeMeyer Memorial Nursing Scholarship. In addition, three new nursing scholarships were created.

In January 2010, Boise State University officially opened the 81,290-square-foot Norco Building, the new home of the University’s Department of Nursing and University Health Services, with a ribbon-cutting ceremony. “The opportunity to help fund this important building fits perfectly with the mission of the Kessler Family Foundation – to support health care, education and the betterment of mankind,” said Jim Kissler, CEO of Norco Inc. “It was important to us that our investment be long-lived and offer pride of place for the Kissler and Norco names, as well as for our family and employees. This fantastic project does that.”

The Norco building is more lovely than words can describe. The University Health, Wellness, and Counseling services are on the first two floors and Nursing is on the top two floors. The building includes:
- Two thousand square foot simulation lab featuring six high fidelity simulation rooms and three debriefing rooms,
- Two large practice labs for task training,
- Two state of the art classrooms,
- Student lounge and student learning center,
- Faculty offices (with windows) and research space.

Faculty and Staff
The Department of Nursing at Boise State University began the 2009-2010 academic year with 38 full-time faculty members. Not counting the Department Chair or Endowed chair, 13 (36 percent) have doctoral degrees with another eight faculty members who are in school working on doctorate degrees.

Staff Joining Us This Year

Bonnie Dodson
Administrative Assistant I
Supports the RN-BS Online Completion Program

Luther Raechal
Practice Lab Materials Supervisor
Faculty/Staff Awards

- Ms. Alexis Rowland - College of Health Sciences Award for Service (at right)
- Dr. Cindy Clark and Dr. Rosemary Macy - March of Dimes Nursing Awards (below)
- Dr. Cindy Clark - Induction into the National League for Nursing Academy of Nursing Education
- Dr. Pam Springer - 2009 Idaho Alliance of Nurse Leaders Outstanding Nurse Leader of the Year
- Ms. Pam Gehrke - 2009 Boise State University Golden Apple Award for Outstanding Teacher in the College of Health Sciences
- Ms. Lori Werth (Department Marketer and Advisor) completed her PhD in Adult Education from the University of Idaho

Students and Graduates
The Department of Nursing successfully operated two programs with three educational options.

- Baccalaureate program
  - Pre-licensure option: Admitted 140 unlicensed students to the baccalaureate program. These students will be eligible to take the registered nurse licensing examination (NCLEX-RN) after successful completion of five semesters of nursing classes.
    - 87% of accepted students are Idaho residents, 17% are male, 84% are Caucasian (8% Hispanic, 4% Asian, 1% Native American, 3% African American, and 1% Pacific Islander, 1.5% have a prior Masters degree, 32% have a prior Bachelors degree, and 12% have a prior Associates degree.
    - We graduated students in both the Associate of Science and Bachelor of Science options. Combining Fall ’09 and Spring ’10 graduates, we graduated 51 with BS degrees and 105 with AS degrees. Most of the Bachelor graduates were BS completion students.
    - The Admissions team is working toward implementation of a new admission criteria that will focus on workplace values and cultural diversity in addition to GPA. This change will most likely take place Fall 2011 and will help us ensure graduates who match the traits and values our employers desire.
    - We are pleased to report our NCLEX-RN pass rates have averaged 95%-98%. Congratulations to our students and our faculty who have worked very hard to keep this fantastic pass rate.
  - RN-BS option: Served over 200 registered nurses who joined us to work toward their baccalaureate degree. Courses are offered online in a format that maintains rigor yet provides coursework in a manner that facilitates the ability to accomplish work and school.
    - We had a total of 86 new admits; 21% of them are male. A little less than 1.5% are Hispanic, less than 1% Native American, and 97.3% Caucasian. Three students were accepted with prior Bachelor’s degrees.
    - The majority of these students come from Idaho, but we have a small group of students (13%) who come from outside of the state. Most of these students come from Western states.
    - Students are a variety of ages: 33% under 30, 38% under 40, 25% under 60 and the remaining...
4% 60+. Our students also come with varying backgrounds and levels of experience. Our students range in experience from those who have ten or more years of nursing experience (35%), with other students having less than ten years experience (54%).

- We have graduated a total of 46 students for both Fall ‘09 (16 students) and Spring ‘10 (30 students).
- We are looking forward to another year of record enrollment in 2010-2011. We are getting interest from far reaching states such as Delaware and Hawaii.

- **Masters program**
  
  We admitted eight students to the Graduate Program in Population Health Nursing. These students learn how to analyze population level data, and design, implement, and evaluate programs focused on population health. The Masters in Nursing Program continues to expand, with 18 new students beginning between Fall ‘09 and Fall ‘10. Our first cohort will begin graduating in August 2010: Cathy Deckys will be Boise State’s first MS in Nursing graduate!

**Innovations in Teaching**

- Boise State University and St. Lukes Regional Medical Center in Boise opened a Dedicated Education Unit. In this innovative model, one unit is dedicated to Boise State nursing students. Faculty and staff work together to educate the students. This model provides more consistent education for students. We are researching the success of the model with preliminary results expected by January 2011.

- **Rural Summer elective.** Boise State Nursing Department is a member of the Rural Connection. This consortium of rural and urban hospitals and Boise State worked to create a month long experience in a rural community for nursing students. The students work in the critical access hospital and perform a community assessment. This course has received rave reviews from the hospitals and the students. Over 80% of student participants say they would work in a rural hospital after completing the course.

- **Simulation lab experiences:** Facilitated 271 simulations with 1,932 participant learners (not unique learners) in seven courses.

**Visiting Scholar**

The Department of Nursing was pleased to host Judith Kulig, RN, DNSc, Professor and University Scholar with the Faculty of Health Sciences at the University of Lethbridge in Alberta, Canada. Dr. Kulig is a co-editor of the northwest edition of the Journal of Rural and Remote Health, an international publication. Dr. Kulig visited the Department of Nursing in March 2010 when she visited classes to share insights about her research and made several public presentations on her research related to community resiliency.

**Focus on Alumni**

Academic year 2010 was the 55th anniversary of the nursing program at Boise State University. We hosted an alumni open house to re-connect with our alums and to celebrate our new building. The event was attended by approximately 49 alumni, 24 faculty and staff, and 27 guests, including prospective Nursing students, University employees, alumni spouses, and former faculty members. Alumni attendance ranged from a member of the first nursing class of 1958 to a member of a recent 2008 class.
Focus on Doctoral Education
Our faculty are continuing their education as Boise State moves forward in its vision to become a Metropolitan
Research University of Distinction.

- **Ms. Joan Carnosso**: Enrolled in a PhD program in adult education at the University of Idaho.
- **Ms. Pam Gehrke**: Enrolled in an EdD program in curriculum at Boise State University.
- **Mr. Max Veltman**: Enrolled in a PhD program in nursing at the University of New Mexico.
- **Ms. Molly Prengaman**: Enrolled in a PhD program in nursing at the University of New Mexico.
- **Ms. Pam Strohfus**: Enrolled in a DNP program at Rush University.
- **Ms. Pat Lazare**: Enrolled in a PhD program in nursing at the University of Texas at Tyler. Her
  educational costs are being supported by Saint Alphonsus.
- **Ms. Kim Martz**: Enrolled in a PhD program in nursing at the University of Utah. Her educational costs
  are being supported by St. Lukes Regional Medical Center Boise/Meridian.
- **Ms. Sara Ahten**: Enrolled in a DNP program at Rush University. Her educational costs are being
  supported by Blue Cross.
- **Ms. Mikal Black**: Enrolled in a PhD program in adult education at the University of Idaho.

Friends of Nursing
We are blessed to have the Friends of Nursing supporting the Department. The Friends of Nursing is a
philanthropic group dedicated to support the Nursing Department by raising funds for student scholarships,
faculty development, and support for faculty completing doctoral degrees. Thank you to our very active Board of
Directors.

Each graduating class contributes funds to a student scholarship begun by faculty and staff in the Nursing
Department. The December 2009 and May 2010 classes contributed over $750 toward this scholarship for future
nursing students.

Upcoming Accreditation Visit
Boise State University Department of Nursing spent last year preparing for an accreditation visit. The Nursing
Department is seeking continued accreditation for the Baccalaureate program and initial accreditation of the
Masters program. Visitors from the National League of Nursing Accreditation Commission will be at Boise State

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Department Profile

The Radiologic Sciences Department continues to provide a leadership role in the education of medical imaging technologists through both Associate of Science and Bachelor of Science Degree offerings. Graduates will initially receive an Associate of Science Degree in Diagnostic Radiology. Baccalaureate degree completion is available by continuing another year in one of the imaging programs: Computed Tomography, Magnetic Resonance Imaging, Diagnostic Medical Sonography, or General Radiographic Studies. The Department has five full-time tenured faculty and is partnered with 25 public and private health agencies to help meet the medical imaging needs of the state and surrounding region.

Programs

The Associate Degree, Diagnostic Radiography Program continues to produce outstanding medical imaging technologists. The 23 graduates boasted a 100% pass rate on the American Registry of Radiologic Technologists national credentialing test, with an average score of 91.4%. These results are again in the top 4% of the nation. Fifty-seven percent of the graduates gained employment within three months of graduation, with 92% of the graduates remaining in the Treasure Valley. The program boasts a 92% completion rate. Three graduating students (13%) had prior BS degrees, 48% continued on for their BS at Boise State. Employers recognized graduates competence as skilled radiographers, as well as team players and patient advocates.

The 24 newly accepted program students were selected from a pool of 90 qualified applicants. To follow are the statistics relating to the application process:

<table>
<thead>
<tr>
<th></th>
<th>Total Applicants</th>
<th>Interviewed</th>
<th>Accepted</th>
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<tbody>
<tr>
<td>Total Individuals</td>
<td>90</td>
<td>54</td>
<td>24</td>
</tr>
<tr>
<td>Male/Female Ratio</td>
<td>30% / 70%</td>
<td>31% / 69%</td>
<td>38% / 62%</td>
</tr>
<tr>
<td>Current BSU Students</td>
<td>64 (71%)</td>
<td>40 (74%)</td>
<td>18 (75%)</td>
</tr>
<tr>
<td>Prerequisite GPA Average</td>
<td>3.41</td>
<td>3.59</td>
<td>3.71</td>
</tr>
<tr>
<td>Cumulative GPA Average</td>
<td>3.34</td>
<td>3.50</td>
<td>3.58</td>
</tr>
</tbody>
</table>

The Computed Tomography Baccalaureate Emphasis is affiliated with nine clinical agencies. Program Director, Lorrie Kelley, MS, RT(R)(CT)(MR) reports that the program received 13 applicants, accepted eight students, and graduated seven individuals in the BS emphasis.

The Magnetic Resonance Imaging Baccalaureate Emphasis graduated all four of their applicants. Students gained experience in delivery of care in both public and private MRI facilities. Program Director, Lorrie Kelley, MS, RT(R)(CT)(MR) (shown at left) is piloting the distant delivery of targeted program courses, planning for a distant delivery platform for MRI education.

The Diagnostic Medical Sonography Baccalaureate Emphasis had 15 total applicants, filling the program capacity of seven students. Six individuals graduated from the program and qualified to complete the American Registry of Diagnostic Medical Sonographer’s credentialing test. The program boasts a 100% pass rate for those individuals reporting results. Graduates and employer surveys continue to commend the level of education provided by Program Director Joie Burns, MS, RT(R)(S), RDMS, RVT. Employment
rates post-graduation remain high; the national sonographer shortage is mirrored locally and graduates are highly recruited for immediate employment upon graduation.

**Student Activities/Research**
Radiography students are very active in local and state events. Students have undertaken a variety of community service projects throughout the year. The Student Association of Radiologic Technology (SART) had a membership of 35 of the qualified 45 students and a participation rate of 91% for each member participating in three volunteer activities.

- SART sponsored a Christmas family, providing not only holiday presents, but also providing canned and perishable food for the holidays.
- Volunteered at Ronald McDonald House.
- Students participated in multiple “Service Saturday” projects through the BSU Volunteer Services Board, including Rake Up Boise.
- Twenty students participated in the planning and development of the homecoming float (at right), and many enjoyed participation in the parade. The float utilized the field of imaging to depict the UC Davis Aggies as a patient with complications from the Bronco attack. This was the 15th appearance of “Mr. Bones” as a parade participant. The students were appreciative of Flynn’s Saddle Shop on State Street for donating the statue of the horse.
- Organized and provided a health fair to Koelsch Elementary School, servicing 360 students from K-6 Grades. Eight stations were provided and included topics such as nutrition, stranger safety, internet safety, bike safety, hand washing and oral care (see photo below).

Sixteen students attended the national Association of Collegiate Educators in Radiologic Technology Annual Conference in Las Vegas, Nevada. Students attended educational sessions and participated in the national student bowl. Eleven students also submitted research papers for national competition during the event.

Nine sophomore and junior students attended the Idaho Society of Radiologic Technologists Annual Conference. Twenty-one students entered poster exhibits covering a variety of topics related to medical imaging for state competition. Sheri Sears (see photo top of next page) was awarded first place for her poster exhibit entitled “Osteogenesis Imperfecta.” Natasha Snyder was awarded second place for her poster exhibit entitled “Hepatitis C.”

Junior students completed service learning projects in seven local orthopedic and veterinary clinics. These students conducted quality assurance testing of radiographic equipment for operation within national standards and recommendations. Reports of findings and recommendations were generated and in turn submitted to these facilities.
Sixteen students were inducted into the Idaho Chi Chapter of the Lambda Nu National Honor Society for Radiologic and Imaging Sciences. To be eligible for induction into the honor society, students must maintain minimum GPA standards in radiologic or imaging courses and demonstrate evidence of professional commitment via research, as well as participation in professional organizations.

Ron Reed, RT(R), 2009 graduate from the Radiology Program, and president of the software company Scintillate, has created the app iRADTECH 1.0, a positioning guide for radiographers that can be used on an iPhone or iPod Touch.

Faculty and Staff Activities: Teaching, Research, Service

Joie Burns, MS, RT(R)(S), RDMS, RVT authored the Abdomen section of the National Certification Exam Review published by the Society of Diagnostic Medical Sonographers in April.

Scott Staley, MS, RT(R) (at right) provided an educational seminar for students in the health occupations courses in the Boise Independent School District. Sixty students from the Boise, Borah, Capital and Timberline high schools attended the educational and practical experience.

Sue Antonich, Department Administrator, served as the Past President for the Boise State University Association of Office Professionals and as Vice President of the Idaho Association of Office Professionals, and elected to serve another year.

Joie Burns, MS, RT(R)(S), RDMS, RVT has developed an online didactic ultrasound course that was successfully delivered Spring 2010, with the goal of offering all didactic ultrasound courses online in the future.

Leslie Kendrick, MS, RT(R)(CT)(MR) submitted two journal articles for publication in conjunction with Rosemary Macy of Nursing and Lutana Haan of Respiratory Care regarding patient care and simulation. Leslie was also a contributing author to Bontrager, K., & Lampignano, J., Radiographic Positioning and Related Anatomy, 7th edition, (chapter 16). Mosby: St. Louis.

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Department of Respiratory Care

Department Profile
The Department of Respiratory Care prepares graduates for employment in the Treasure Valley, State of Idaho, Northwestern United States and beyond. Graduates receive an Associate of Science Degree and may continue their education for one more year and earn a Bachelor of Science in Respiratory Care; approximately 85% of the students earn their Bachelor of Science Degree. Affiliates that provide clinical sites include Idaho Elk’s Rehabilitation Hospital, Saint Alphonsus Regional Medical Center, St. Luke’s Regional Medical Center, Veteran’s Administration Medical Center, Mercy Medical Center, and West Valley Regional Medical Center.

The Department also offers a Degree Completion Program designed to allow practicing Registered Respiratory Therapists the opportunity to complete their Bachelor of Science Degree via distance education.

Faculty and Staff
The Department has five full-time faculty, one administrative assistant, a medical director and various adjunct faculty with specific areas of clinical and/or didactic expertise to complement the full-time faculty’s areas of expertise.

Coleen Dudley, the Administrative Assistant in the Department of Respiratory Care (at left), has worked at Boise State for more than 16 years and is a valued member of the Department. Among many other duties, she is responsible for most of the screening, advising and scheduling related to students for the Bachelor’s Degree Completion Program, as well as managing the multiple Department budgets.

Students
The Department admitted 26 students into the sophomore class in Fall 2009. In addition, there were 23 returning students in the junior year. The Department graduated 24 students with an Associate of Science Degree in the December, May and August graduations. A total of 38 students graduated with their Bachelor of Science Degree in the December, May and August graduations. The pass rate on the National Board for Respiratory Care Credentialing Examinations remained at 100% for the Entry Level Examination and the Written Registry Examination and well above the national average for the Clinical Simulation Examinations, with a pass rate of greater than 85%.

The Department continues to have a strong international presence. There were several international students in the freshman year, two in the sophomore year, two in the junior year and fourteen in the senior year. Several more international students have applied for admission to the Senior year for next year. In addition, one student from Japan graduated with a Bachelor of Science Degree as part of the International Exchange Visit Programme for Respiratory Care Professionals and another student will graduate in May 2011; one more student is in the process of completing the senior year.

Research
The students and faculty continue to be very involved in research. As a result of the excellent research completed by the students and faculty, several medical companies have provided equipment at no cost to the Department.
In addition, some companies have now requested the students and faculty to evaluate the performance of their equipment.

Due to the mentoring efforts of Associate Professor Jody Lester, the students were able to complete three research projects which were accepted for presentation at an international professional conference. The following three student research projects were presented as poster presentations at the American Association for Respiratory Care International Congress, in San Antonio, Texas, December 5-8, 2009.


Assistant Professor Lutana Haan continued her research project to study the “Prevalence of Obstructive Sleep Apnea in Collegiate Football Players.” She is also partnering with a local clinician attempting to develop a tool to identify and analyze risk factors in pediatric sleep disorders.

Assistant Professor Lutana Haan (at left) has taken the leadership role to integrate medical patient simulations into the Respiratory Care curriculum. She has written several patient simulations and plans to develop several more before Fall 2010. Because of the interest and the experience she has developed in the use of medical simulations, her clinical rotation for Fall 2010 and Spring 2011 will be in the new Simulation Center in the Norco Building. This will include the development and implementation of 12 new patient simulations. Integrating patient simulations into the curriculum is a point of emphasis to enhance the students’ overall clinical decision making skills.

Associate Professor Jeff Anderson, submitted an article, “The Diaphragm: Anatomy, Physiology and Clinical Implications” to Respiratory Care, a nationally-refereed journal for the American Association for Respiratory Care. He also published an editorial of an article on “High-Flow Oxygen Therapy in Acute Respiratory Failure” Respiratory Care April 2010.

Associate Professor Jody Lester presented two lectures at the American Association for Respiratory Care International Congress, in San Antonio, Texas, in December 2009:

- “Empowering Patients-Teaching Patients How to Find Accurate Health Information.”
- “Assessment of the Critically Ill Adult Patient—Assessment of Gas Exchange.”

Service

All five of the Respiratory Care faculty and the administrative assistant are heavily involved in service. This includes service to the Department, College of Health Sciences, University, local community, and even on an international level. This service includes: multiple guest lectures and workshops presented on a local, state and international level; serving as a member on local, regional and international professional boards; chairing committees on local and state levels; and officers in state societies.
Distance Education
The Bachelor’s Degree Completion Online Program is progressing very well. In fact, the enrollment has increased to the point where additional sections of some courses had to be created. This program allows students who have earned an Associate of Science Degree in Respiratory Care and who have earned the credential of Registered Respiratory Therapist to complete 30 credits of 400 level Respiratory Care Courses and earn their Bachelor of Science Degree from Boise State. All ten courses are available online, allowing students to earn a Bachelor of Science from Boise State while continuing to live in their home town. Students from 45 states and four countries (Canada, India, Japan and Saudi Arabia) have submitted inquiries.

International Activities
The faculty members in the Department of Respiratory Care continue to teach internationally. Professor Lonny Ashworth traveled to Japan in July and February to teach as part of the International Exchange Visit Programme for Respiratory Care Professionals (IEVPRCP). The IEVPRCP was created by Dr. Toshihiko Koga in 1995 to help enhance the education of respiratory care professionals in Japan. In July and February, workshops were presented at Kameda Medical Center in Kamogawa, at Shonan Kamakura Hospital in Kamakura, Hayama Heart Center, in Yokosuka, and at St. Luke’s International Hospital in Tokyo, Japan. These workshops are presented to physicians, nurses, physical therapists and medical engineers and are designed to introduce and advance their knowledge of adult critical care, especially related to mechanical ventilation. This relationship has resulted in Japanese nurses and physical therapists enrolling in the Boise State University Respiratory Care Program. In fact, two health care practitioners from Japan have graduated from Boise State with their degree in Respiratory Care. Other health care professionals from Japan are currently enrolled in the program, and several more are planning to enroll.

Additional Activities in the Department of Respiratory Care
The Department’s faculty and staff have been working very hard this year to create new scholarships for students. Their efforts resulted in new and enhanced endowed scholarships as well as new and enhanced restricted scholarships. The Department awarded a record number of scholarships to student awardees in the Spring 2010 College of Health Sciences Scholarship Award Ceremony.

Assistant Professor T.J. Wing was awarded the College of Health Sciences Excellence in Teaching Award. He was nominated by the Department students for his dedication to the students and his passion for Respiratory Care Education. This spring he enrolled in courses to earn his PhD in Education from University of Idaho.

Department Contact Information for 2010-2011:

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Currently, both the College of Education and the College of Health Sciences are providing quality information dissemination and professional development opportunities for substance abuse prevention and addictions treatment professionals, as well as other professionals interested in addictions. Given the insidious foothold of addictions problems in the American population, the ongoing health risks associated with addictions, and the infusion of government funding available to address these issues, the study of addictions is of vital importance. Therefore, the Institute’s mission is to:

- Provide more opportunities for Boise State addictions-related training in the community, state, and region; including consolidation and streamlining of current Boise State programming in addictions and substance abuse prevention;
- Expand information dissemination, research, and program evaluation functions to meet growing needs in the Treasure Valley, state, and region;
- Directly contribute to the University’s mission of a Metropolitan Research University of Distinction.

Primary Functions of the Institute

1. Provide professional development, information dissemination, and collaborative opportunities (Training) to the professional community (e.g., addressing training needs of various state, local and regional entities, such as Department of Correction, Department of Health and Welfare, law enforcement, city and state municipalities, school districts, community coalitions)

2. Act as the statewide information clearinghouse and resource referral center (information dissemination) for alcohol, tobacco, and other drug information
   a. Idaho Regional Alcohol and Drug Awareness Resource (RADAR) Network Center

3. Expand opportunities to coordinate research involving faculty, undergraduate and graduate students (e.g., through grant/contract administration, partnering with the State of Idaho, program evaluation)

4. Expand program evaluation opportunities.

Grants Under Review/Considering Resubmission

Efficacy of a Web-Based Alcohol Intervention for Young Adults in the Workplace. Screening and Brief Alcohol Interventions in Underage and Young Adult Populations, National Institute of Health. Amount requested: $375,852 (Doumas, principal investigator)

Faculty and Student Addiction Related Publications 2009-2010


**Idaho RADAR (Regional Alcohol Drug Awareness Resource) Network Center**

**Highlights**

- During the months of March and April, the RADAR Center relocated from the south end to the north end of the building it has occupied since 1997 (corner of Chrisway and University Avenue). The move was a “step by step” process, side stepping the activities involved with asbestos abatement, interior wall painting, remodeling, floor stripping/waxing, carpeting, and technical support installation. The final result doubled the Center’s space (from approximately 700 square feet to 1,400 square feet) and added three offices earmarked for the Institute for the Study of Addiction. The additional space removed the crowded appearance for patrons and reduced the need for multiple trips (and ensuing charges) to the off-site storage facility. Staff and patrons, who often refer to the new Center as a “palace,” could not be more pleased!
- The following agencies provided a combined total of $231,580 to support the Center’s operation: Idaho Department of Health and Welfare (Substance Use Disorders Program and Tobacco Prevention Program), Idaho Department of Juvenile Corrections (Enforcing Underage Drinking Laws Prevention Partnership), and Idaho State Department of Education (Safe and Drug-Free Schools Program). $705 was contributed to the Boise State University Foundation Development Fund to purchase video publications.
- The distribution of 70,000 Underage Drinking Tabloids, a newsprint publication developed for statewide disbursement, was coordinated with the Boise State University Printing and Graphics Services to utilize special funding towards postage costs.
- A one-time grant from Health and Welfare’s Substance Use Disorders Program of $31,000 allowed for the
purchase of 140 DVDs about tobacco prevention and general substance abuse prevention. Over 46,000 pieces of informational printed material were also added to the Center.

- The unprecedented number (215) of purchased video publications was added to the Video Lending Library.
- Staff members served as a catalyst to accomplish a second printing of “Turning 18 in Idaho: A Survival Guide for Teenagers,” a high demand publication for Idaho youth.

At a Glance: July 2009 through June 2010

2341 Requests processed, with patrons reporting that they used the material
601 to expand their knowledge and skills,
247 to develop material for reports, presentations, lessons or treatment plans,
316 for reference or display,
1141 to give to individuals or small groups,
606 to give to students in the classroom setting, and
237 to give to individuals at school/community events.
1253 Orders shipped, including
206,679 Pieces, of which
23,122 were funded through the Tobacco Prevention Program and
86,077 were funded through the Department of Juvenile Corrections.
4669 Video items loaned, with
63,838 persons viewing videos, based on reports from
95% of the borrowers.
1077 Visitors to the Center.
2460 Phone and e-mail requests for information placed.
64 Events staffed by Center employees, and an additional
144 events supported with Center material;
99,992 persons were expected at the events and
82,017 Pieces were disbursed.
44 of 44 Counties in Idaho received material and
96 of 143 school districts placed orders for material.

The relocation of a resource center could only have happened with a dedicated staff and amazing support from colleagues who shared gently used furniture, library carts, and expertise. A special thanks to Melanie Schuster, whose vision produced a “win-win” situation for those housed in the building, and to Kevin Burton, manager of the remodeling project. Hats off to this year’s staff who patiently endured the challenges that comes with relocating: Dottie Blackwell, Video Library Manager; Julie Cook, Resource Specialist; and Georgia Girvan, Director. Student employees Alicia Wenigmann, Cherri Belisle, Jennilee Claassen, and Tyler Jackson added “packing” and “unpacking” to their list of regular duties. Additionally, Tyler continued in a very demanding Web Manager position, working towards a summer launch of a new website with shopping cart and search capabilities. Supportive evaluation and organizational skills were provided by Jon Lawson, psychology department intern, and students from the Service Learning program.

The Center is grateful for the vision and supervisory support of Dr. Ken Coll, Director of the Institute for the Study of Addiction, and Dr. Pam Springer, Associate Dean of the College of Health Sciences.
The Center for Excellence for Environmental Health and Safety (CEEHS) has been active since its establishment as an outreach and service Center in 2002. CEEHS consists of two primary components, the OSHA-funded Safety and Health Consultation Program and the Center’s Environmental Health and Safety Training Program.

**Occupational Safety and Health Consultation**
The Idaho Occupational Safety and Health Consultation Program (OSHCon) is a federally-mandated outreach program funded by the Occupational Safety and Health Administration (OSHA) and located under the auspices of the Center for Excellence in Environmental Health and Safety.

The program’s primary purpose is to help small businesses (250 employees in a single location, or up to 500 employees in multiple locations) understand and comply with the OSHA regulations that apply to their industries by conducting onsite consultation visits.

During the past year, the program’s team of consultants traveled throughout Idaho - working with industries as diverse as construction, food production and long term residential care - and conducted a total of 193 consultation visits. Issues addressed ranged from machine guarding and safe electrical work practices, to ensuring the appropriate written programs are in place and that workplace injuries and illnesses are recorded correctly. An average of 647 employees were covered by the program’s consultation services each month.

An average of 140 serious hazards were identified by the consultants each month. These are hazards, such as exposed live electrical wiring or improperly stored gas tanks, that have the potential to cause serious harm to employees.

Other services offered by OSHCon include an audio-visual lending library. Loans of 758 video and DVD titles covering a wealth of safety and health-related topics were made at no charge to customers during the past year.

OSHCon is also involved with the Annual Safety Fest of the Great Northwest, which gives employees throughout the state the opportunity to participate in safety and health training at no charge. Program representatives conducted OSHA 10-Hour Training at Safety Fests in Boise and Post Falls, and staffed program information booths at Safety Fests in Twin Falls and Pocatello.

OSHCon in Idaho is also responsible for administering the Safety and Health Achievement Recognition Program (SHARP), which recognizes small business who develop, implement and maintain exemplary safety and health programs for their employees. During the past year, three
companies achieved SHARP status: Scoular Company – Bancroft; Scoular Company – Michaud; and Scoular Company – Grace. It can take several years for a company to achieve this status. Four companies were able to renew their status during Fiscal Year 2010.

Environmental Health and Safety Training

Environmental health and safety training is an integral source of revenue generated by the Center. During 2009-2010 the Center’s training program served over 200 students earning over $26,000 in gross revenues. The following bullet list summarizes the training courses provided by the Center.

- Materials Testing and Inspection – HAZWOPER Training
- Sorrento Lactalis, Nampa, Idaho – Respirator Fit Testing Services
- PSC Environmental, Boise, Idaho – Confined Space Workshop
- Hiddleston Drilling, Boise, Idaho – HAZWOPER Training
- Sun Valley Resorts, Sun Valley, Idaho – Hazardous Materials Training
- Idaho Bureau of Laboratories, Boise, Idaho – Respirator Fit Testing Services
- American Society of Safety Engineers, Boise, Idaho – Ethics Training
- Western Trailers, Boise, Idaho – HAZWOPER Training
- Torf Environmental, Boise, Idaho – Lead Hazards Training
- Olympus Technical Services, Boise, Idaho – HAZWOPER Training

Gross revenues generated by the Center’s Training Program were used as partial salary support for faculty and staff and the funding of various academic initiatives. Some examples of these initiatives include travel funding for students to participate in the Air and Waste Management Association’s Environmental Challenge Competition located in Cle Elum, Washington, indirect funds for the College’s Office of External Funding, partial funding of an adjunct instructor to teach courses in the environmental and occupational health academic program, and funding to support student research projects for submission to Boise State University’s Undergraduate Research Symposium.

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The Center for Health Policy (CHP) was awarded nine research and/or evaluation contracts during the 2009-2010 academic year. The aggregate budgets for these contracts totaled $222,492.00. These CHP projects provided opportunities to graduate and undergraduate students to participate in applied research via graduate research assistantships, paid hourly or project based research work, research internships and other research exposure required for admission by medical schools and other professional educational institutions. CHP research was published in peer-reviewed journals and technical reports and was presented at local, state, regional and national conferences.

Four of these research programs are highlighted below:

- **Community Health Center Community Apgar Program**: The CHP contracted with the Idaho Department of Health and Welfare – Office of Rural Health and Primary Care for a fourth consecutive year to continue work on physician recruitment and retention issues in Idaho. This study focused on community health centers (CHCs) in Idaho by providing information to community leaders to assist in planning to improve physician recruitment and retention in Idaho CHCs. The CHP partnered with the Family Medicine Residency of Idaho (FMRI) in this project and the research was facilitated by the Idaho Primary Care Association. **Drs. Ed Baker** (CHP) and David Schmitz (FMRI) were the Co-Principal Investigators for this project.

- ** Minority Youth Contact Assessment**: The CHP contracted with the Idaho Department of Juvenile Corrections (IDJC) to study whether minority youth were treated differently than white youth at different points in the juvenile justice system (e.g., in arrests, detention, probation, etc.) in Canyon County. **Dr. Tedd McDonald** was the Principal Investigator for this project. Graduate student **Selina Carver** and **Dr. Bonnie Lind** were instrumental in data collection, statistical analysis, and report writing.

- **Youth Advocacy Project**: The CHP contracted with the American Lung Association (ALA) in Idaho to evaluate the first year of the STAND Challenge Grants. **Dr. Lee Hannah** was the Principal Investigator and she worked with a Master of Health Science student, **Danielle Long**. ALA awarded seven Challenge grants to high school student organizations to work on advocacy and activism related to tobacco in their local communities.

- **Idaho Medicaid Capitation Project**: The CHP contracted with the Idaho Department of Health and Welfare – Division of Medicaid for a fourth consecutive year to assist in the development of capitation rates and actuarial certifications for Medicaid funded dual eligible recipient plans and dental plans. The CHP partnered with actuarial firm Milliman, Inc., headquartered in Seattle, Washington, on this contract. **Dr. Ed Baker** was the Principal Investigator for the project.
This year marks the fifth anniversary of the Center for the Study of Aging at Boise State University. The Center, initiated with federal funds from the Agency on Aging, has established strong ties with community partners and continues to be actively engaged in research, policy development, and education. The Center was awarded several new and/or continuing contracts during fiscal year 2010. These contracts funded one graduate research assistantship (tuition and stipend) and three student research positions. In addition, these projects provided faculty members with the opportunity to strengthen partnerships with community-based organizations.

The Center also conducted a strategic planning assessment with assistance from Mike Berlin, a community volunteer and advocate. Findings from the assessment identified ongoing needs for:

- applied research, program evaluation, and grant writing;
- a skilled workforce equipped to meet the demand for services tailored to older adults; and
- a venue for the exchange of interdisciplinary/interagency information on aging-related issues and policies.

Selected Center Activities

*Lifestyle Interventions for the Elderly (Project Life)*: Dr. Gail Gerding (Nursing) and Selina Carver (MHS student) served as the evaluators for the Department of Health and Welfare in the third year of the Project Life grant from the U.S. Administration on Aging. The grant, a three-year effort, implements the Stanford Chronic Disease Self-Management Program (CDSMP) in three health districts in Idaho. The Center collected and assessed pre and post data on participants and monitored the fidelity of the program. The evaluation contract provided $37,000 in year three.

*Aging Resource and Disabilities Resource Center (ADRC)*: Dr. Elizabeth (Lee) Hannah (Community and Environmental Health) and Natalie Griffin (MHS student) served as the evaluators for the Idaho Commission on Aging in the first year of the ADRC grant from the U.S. Administration on Aging. The goal of the grant is to empower Idahoans to navigate their health and long term support options, with added supports for Medicare beneficiaries or individuals with chronic conditions. The Center is providing quality assurance and evaluation services in the implementation of the Idaho ADRC. The contract for this two-year project was $33,400.

*Idaho State Plan for Alzheimer’s Disease and Dementia*: Jessica Bastian (MSW Student) with support from Mike Berlin (community volunteer) and Dr. Denise Liley (Social Work) served as an intern for the National Alzheimer’s Association during the 2010 Idaho legislative session. Ms Bastian provided communication support to the Alzheimer’s Association Capitol City Task Force and served as a liaison between the Alzheimer’s Association and advocacy volunteers, and the local community. The contract for this project was $4000.

*Comprehensive Overview of Public Policies Affecting Long Term Care Finance in Idaho and the Mountain West*: Andy Hyer (MHS student) in collaboration with Drs. Ross Burkhart (Political Science) and Sarah Toevs (Community and Environmental Health) is conducting an analysis of the current and potential public policies relating to long-term care (LTC) finance in Idaho and demographically similar states throughout the Mountain West. Findings will be used to secure external funding from a national foundation to conduct an assessment of regional policies and practices for LTC financing. Support for this project, $5000, was secured through the Brookings Mountain West Institute and the College of Social Science and Public Affairs.
<table>
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<th>PROJECT TITLE</th>
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<th>FROM/TO</th>
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<td>Addiction Studies Course Work</td>
<td>Susan Esp, Sarah Toevs, Department of Community &amp; Environmental Health</td>
<td>7/1/2009 - 6/30/2009</td>
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<td>Minority Youth Contact Assessment</td>
<td>Tedd McDonald, Carissa Miller, Department of Community &amp; Environmental Health</td>
<td>6/22/2009 - 12/31/2009</td>
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<td>Group Model of Maternity Care - Year 3</td>
<td>Jeri Bigbee, Virginia Gilbert, Department of Nursing</td>
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<td>Development and Evaluation of a Mercury Checklist for Schools</td>
<td>Kai Elgethun, Sarah Toevs, Department of Community &amp; Environmental Health</td>
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<td>University of Washington, National Institute for Occupational Safety &amp; Health, CDC, DHHS</td>
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<td>ALANW Youth Advocacy Evaluation</td>
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<td>Nursing Community Apgar Questionnaire (CAQ) Project Phase II</td>
<td>Molly Prengaman, Jeri Bigbee, Department of Nursing</td>
<td>10/5/2009 - 9/29/2010</td>
<td>Idaho Department of Health &amp; Welfare, Health Resources &amp; Services Administration, DHHS</td>
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<td>Aging and Disability Resource Center (ADRC)</td>
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### Grants and Sponsored Projects

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<td>Nurse Practitioner Services - Nampa Family Justice Center</td>
<td>Maximilian Veltman, Karen Godard, Department of Nursing</td>
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<td>Nampa Family Justice Center</td>
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<td>Year 3 Statewide Evaluation of the Impact of Clinical Screening in County Detention Centers</td>
<td>Tedd McDonald, Center for Health Policy</td>
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Above and right: fourth, fifth and sixth graders in the Boise School District learn about balanced diets using the Healthy Food Slide Rule.

Above: left to right, Caroline Morse and Zhannon Carmody (Idaho Dairy Council) and Drs. Elaine Long and Uwe Reischl (Department of Community and Environmental Health.)
The 7th Annual Undergraduate Research & Scholarship Conference was held on Monday, April 12, 2010. More than 250 research, artistic, and scholarly projects, representing over 470 Boise State University undergraduates, were presented. Fifty College of Health Sciences students gave five podium presentations and fifteen poster presentations. To read the full abstracts, please visit http://scholarworks.boisestate.edu/2010_under_conf/.

Podium Presentations:
“Do High Frequency Oscillation Vests Reduce Vital Capacity in Normal Substances?” Brad Hughett, Colleen Monteith, and Vida Khaliki, Department of Respiratory Care. Faculty Sponsor: Jody Lester.
High frequency oscillation vests are an important therapy in numerous disease states. The therapy vests physically compress and shake the chest serving to loosen and mobilize pulmonary secretions. Aerosolized medications are frequently delivered concurrently with vest therapy, and patients who receive aerosolized medications are instructed to breathe deeply. However, the design and operation of the vest may affect a patient’s ability to do so. It is our hypothesis that a healthy person’s vital capacity will decrease with the use of these vests at medium and high pressure and frequency settings.

“How Do Tidal Volume and PEEP Settings Affect Expiratory Resistance? A Bench Study of the LTV® 1200 Homecare Ventilator” James Matsuura, Honors College (shown at left), Candice McClain, Andrea Young, Kady May, and Jody Lester, Department of Respiratory Care. Faculty Sponsor: Jody Lester.
Home care ventilators hold a prominent place in the world of mechanical ventilation, and careful selection of ventilator modes and settings profoundly impact patient outcomes. In addition to patient factors, exhalation valves can generate expiratory resistance (ER) and can increase work-of-breathing and contribute to auto-PEEP. Analyzing ER on new homecare ventilators is crucial to patient care. The purpose of this study is to analyze the affects of tidal volume (Vt) and PEEP on ER on the Pulmonetic LTV® 1200 homecare ventilator.

“Examining the Connection Between Elevated Triglyceride Levels and Risk for Diabetes in Latino Adults” Jonathan Glogowski (shown below right), Dr. Leonie Sutherland, and Dr. Shawn Simonson, Department of Nursing. Faculty Sponsor: Dr. Dawn Weiler.
Diabetes is one of the fastest growing disease classifications within the United States, especially among the Latino population. Nationally 2.5 million Latinos 20 years of age or older, have diabetes. Latino individuals are 1.7 times as likely to have diabetes compared to non-Hispanic white individuals of similar age. These numbers are on a steady increase and only account for diagnosed cases of diabetes. Prevalence rates for the common complications of diabetes imply that developing strategies for early identification of those at high risk of developing diabetes is a critical need. Triglyceride levels were examined as a possible method to provide earlier detection of diabetes risk. This study aims to identify the link, if any, between elevated triglyceride levels and risk for Type 2 diabetes in Latino adults residing in southwest Idaho.
“Parasite Prevalence Study at the Idaho Humane Society” Emilee Kottcamp, Hope Esplain, Lauren Troy, and Calista Deland, Department of Community & Environmental Health. Faculty Sponsor: Dr. Dale Stephenson. There are five commonly recognized parasites found among cats and dogs in the northwest United States. This study observed four of the five parasites: roundworms, hookworms, coccidia, and giardia. The purpose of this study was to observe what parasites were commonly seen at the Idaho Humane Society and to determine if there was a difference in parasite prevalence among two sample animal populations, an owned-animal population and a shelter population.

“Bed Bugs: Beyond the Nuisance” Lea Duffin, Department of Community & Environmental Health. Faculty Sponsor: Dr. Dale Stephenson. Public health fears and economic concerns surround bed bug (Cimex lectularius) infestations. A resurgence of bed bug infestations was seen nationwide beginning in the early 2000s, and anecdotal reports from pesticide applicators and health districts in Idaho suggest a similar upward trend; however, the magnitude of the Idaho problem, the geographic distribution, pesticide application practices, costs, and client education practices is unclear. Web-based, electronic, and phone surveys were developed for three groups with a stake in bed bug response and/or control including Idaho Health Districts, licensed pest control operations, and members of the Idaho lodging and restaurant association in order to assess the bed bug problem in Idaho.

Poster Presentations

“Comparison of Combustion Emissions from Wickless and Wick-Based Candles” Team Members: Jaime Minick, Honors College (shown at right holding his Certificate of Participation), Department of Community and Environmental Health. Faculty Sponsor: Dr. Dale Stephenson (shown at right). The use of wickless candles is becoming a popular way to produce pleasing aromas in what is marketed as a safe and soot-free manner. While it is true that these candles do not use a flame to combust scented wax, the question yet to be answered is whether using a flameless source to disperse its aroma into a given environment reduces airborne emissions (i.e. is soot-free). The purpose of this study was to compare combustion emissions from wickless- and wick-based candles in a controlled setting.

“An Exploratory Study of Cell Phone Use While Driving” Team Members: Angeline Adams, Barbara Lane Popadics, Jeff Martin, Ryan Morris, and Jennifer Roe, Department of Community and Environmental Health. Faculty Sponsor: Dr. Elaine Long. As cell phone use increases, so does cell phone use while driving; “86% of cell-phone owners reported talking while driving at least occasionally” (Seo & Torabi, 2004). Current literature shows that cell phone use while driving negatively affects driving performance. It slows reaction times by 18%, increases following distance by 12%, and decreases recovery of speed after braking by 17% (Strayer & Drews, 2004). The purpose of this
research was to evaluate the use of cell phones while driving by Boise area residents. This study was reviewed and approved by the Boise State Human Subjects Research and Institutional Review Board # 193-10-023.

“Characteristics of Cell Phone Use by Students and Faculty at Boise State University” Team Members: Dolores Benavente, Billy Galligar (shown far right in picture), Molly O’Brien, Jared Rasmussen (shown left in picture), and Phillip Whipple, Department of Community and Environmental Health. Faculty Sponsor: Dr. Elaine Long.

With the increase of cell phone technology and popularity, the study was designed to determine the average cell phone use among college students at Boise State University. A convenience sample of 100 participants was recruited from the Boise State University student population and surveys were administered anonymously during October 2009. This study was reviewed and approved by the Boise State University Human Subjects Research and Institutional Review Board # EX 193-10-022.

“Cell Phone Use and Psychological Correlates: An Explorative Study” Team Members: David Catchings, Lena Bush, Brent Copes, Amie Schaefer, and Eric Wixom (Honors College), Department of Community and Environmental Health. Faculty Sponsor: Dr. Elaine Long.

No longer are cell phones a status symbol, or a tool for the elite business man or women, but are an essential part of everyday communication between significant others, friends, family and loved ones, and coworkers. Little is known about the effects of the excessive use of cell phones; has it made lives better, or has it become detrimental to the social nature of human beings? To help improve knowledge in this area, an explorative, cross-sectional study of 130 Boise State University students was conducted using a constructed survey instrument. This study was reviewed and approved by the Boise State University Human Subjects Research and Institutional Review Board # EX 193-10-020.

“Survey of Cell Phone Use Among College Students” Team Members: Tabitha Ellis, Whitney Egbert (shown below left), Tracy Hopkins, Gabriella Katana, and Shannon Tracy, Department of Community and Environmental Health. Faculty Sponsor: Dr. Elaine Long.

The purpose of this project was to evaluate classroom cell phone use by students at Boise State University and to investigate the relationship between cell phone use and current course syllabi cell phone policies. A convenience sample of 126 participants was recruited from the Boise State University College of Health Sciences student population. Students were asked various questions regarding how often they use their cell phones in a classroom setting as well as policies in place in their classes regarding cell phone use. This study was approved by the Boise State Human Subjects Research and Institutional Review Board #193-10-024.

“Use of Cell Phone Technology Among Fitness Trainers in the Treasure Valley” Team Members: Sheri Latta, Melissa Funston, Kristin Heckenlively, Timothy Jones, and Vanessa Olmstead, Department of Community and Environmental Health. Faculty Sponsor: Dr. Elaine Long.

Recent research using mobile-phone technology and more specifically text messaging to encourage individuals
to adhere to health-related programs has shown much promise (Patrick, Griswold, Raab & Intille, 2008). Results have shown text messaging can improve adherence to physical activity programs, weight loss programs, and diabetes programs (Franklin, Waller, Pagliarit & Greene, 2006; Hurling, Catt, Bonie, Fairley, Hurst, Murray, Richardson & Sodhi, 2007; Patrick, Griswold, Raab & Intille, 2008; Patrick, Raab, Adams, Dillon, Zabinski, Rock, Griswold & Norman, 2009). Seventy-six percent of the 28 personal trainers in the Treasure Valley that were surveyed use cell phone technology with clients most utilizing personal phone calls and text messaging. This study was reviewed and approved by the Boise State University Human Subjects Research and Institutional Review Board # 193-10-025.

“Does Class Participation in an Online Learning Environment Improve Student Learning Capability?” Team Members: Christine Kollar (shown at left), Department of Community and Environmental Health. Faculty Sponsor: Sarah Toevs.
The purpose of this study is to determine whether class participation/interaction in an online, large enrollment learning environment improves student learning capability. This study will examine findings from a convenience sample of 185 students enrolled in an online Growth and Development class offered in the fall of 2009.

“Exploratory Study to Determine the Prevalence of Pain Associated with Use of a Cellular Phone (Text Messaging)” Team Members: Angeline Adams, Department of Community and Environmental Health. Faculty Sponsor: Jaime Sand.
As text messaging becomes increasingly popular, tapping, flicking, and clicking have spawned a variety of hand-related ailments such as “BlackBerry thumb,” “trigger thumb,” De Quervain’s tenosynovitis, and Carpal Tunnel Syndrome. Repetitive-strain injuries are the most common side effects of text messaging usage (Avitzur, 2009), causing damage to tendons, nerves, and other soft tissues (Ciavaglia, 2008). The purpose of this study was to evaluate the prevalence of pain associated with the use of cellular phone text messaging. This study was approved by the Boise State Human Subjects Research and Institutional Review Board # 193-SB10-046.

“Evaluation of the Respionics BIPA P® Auto Sv™ and Resmed VPAP™ Adapt Sv to Lung Simulator Generated Central and Obstructive Sleep Apneic Episodes” Team Members: Grant Drake and Dawn Alverson (shown at right), Department of Respiratory Care. Faculty Sponsor: Jody Lester.
Recent developments in non-invasive positive pressure ventilation have led to the production of adaptive servo-ventilation devices that examine an individual’s breathing characteristics and adjust pressure levels via a product specific algorithm. We evaluated two adaptive servo-ventilation devices, the Respionics BiPAP® auto SV™ and ResMed VPAP™ Adapt SV to lung simulator generated central and obstructive sleep apneic episodes. This research was also published in the December 2009 issue of the Respiratory Care Journal.
“Students’ Perceptions Regarding Essential Components of a Nursing Leadership Textbook” Team Members: Cari Cardoni and Diane Kenski, Department of Nursing. Faculty Sponsor: Dr. Cynthia Clark.
Although there is significant research related to textbook evaluation, most research on the essential components of an effective textbook focuses on educators’ perspectives, and not on student perspectives as end-users. The purpose of this study was to identify nursing students’ perspectives about the essential components of a commonly used nursing leadership textbook. When students and faculty both participate in textbook evaluation, it increases utilization and satisfaction.

“Adaptive Centering Pregnancy for Rural Practice: The Effect on Patient Satisfaction” Team Members: Kathryn Cooperstein (shown below), Department of Nursing. Faculty Sponsor: Dr. Jeri Bigbee.
Centering Pregnancy (CP) is an innovative model for group prenatal care that has been shown to be highly effective in producing positive birth outcomes and high levels of patient satisfaction. CP has traditionally been implemented in urban settings with groups of women who fall within a limited gestational age window, thus requiring adequate numbers of pregnant participants to form the groups. However, in order to adapt the CP model for use in more sparsely populated rural areas, the gestational age range must be widened to accommodate the smaller numbers of pregnant women at any one time. Expanding the gestational age range raises the question if patient satisfaction may be affected, due to the fact that the women are at different stages of their pregnancies, which may reduce their forming connections with other women in the group. The purpose of this study is to compare patient satisfaction levels among Latino women participating in a traditional Centering Pregnancy program verses those in a Centering pregnancy program with expanded gestational age ranges.

“Comparison of Rural Providers and Consumers Regarding Community Health Assets and Deficits.” Team Members: Diane Kenski (below right), Department of Nursing. Faculty Sponsor: Dr. Jeri Bigbee
Historically, studies of population health have focused primarily on deficits, identifying needs and problems of the health delivery system. Recent research has also focused on identifying community health assets, including resources for joint problem solving and health promotion. Limited research, particularly from the assets perspective, has addressed rural areas and few studies have compared provider versus consumer perceptions of community assets and deficits. The purpose of this study was to compare rural health care providers and consumers related to perceived community health assets and deficits.

This project was supported by the Jody DeMeyer Endowment at Boise State University.

“Mental Health of Caregiving Grandparents” Team Members: Jessica Nelson (shown top of next page), Department of Nursing. Faculty Sponsor: Dr. Jeri Bigbee
Increasingly, grandparents are stepping up to help raise their grandchildren due to the high demand on parents to hold two or more jobs, single parents who work outside the home, increasing divorce rates, along with
problems resulting from substance abuse and/or child neglect and abuse. Of the mental health stressors reported by caregiving grandparents, relationships with their adult children, issues of being totally responsible for raising another family at an increased age, and legal issues predominate. Previous research indicates that grandparents raising their grandchildren may have lower levels of mental health than non-caregiving grandparents. Little is known, however, about how the mental health of custodial caregivers compares with that of part-time caregivers, especially among rural populations. The purpose of the study was to assess the mental health of custodial grandparents as compared with part-time caregiving grandparents.

_Funded by the Jody DeMeyer Endowment at Boise State University, Department of Nursing._

“Factors Promoting Rural Nursing Recruitment and Retention” **Team Members: Jessica Nelson (shown at right), Department of Nursing. Faculty Sponsor: Dr. Jeri Bigbee and Molly Prengaman.**

Chronic nursing shortages have plagued rural communities for generations, due to competition and the challenges of recruiting and retaining rural nurses. Previous quantitative and qualitative research has identified a variety of factors that may influence effective rural nursing recruitment and retention. The purpose of this literature review was to identify key factors that promote nursing recruitment and retention efforts in rural and remote areas.

_Funding provided by the Office of External Funding, College of Health Sciences, Boise State University._

“The Growing Concern about Mental Health Services and Medications: A Comparison of Children in the Inside and the Outside of the Foster Care System.” **Team Members: Meghan Cunningham (shown below), Department of Nursing. Faculty Sponsor: Max Veltman.**

Studies suggest a significantly higher use of psychotropic medications by children involved in foster care when compared to those children not in foster care. There are many unanswered questions about the mental health needs of the children in foster care, especially when looking at the much higher number of psychiatric diagnoses that this population has. In addition, there is a lack of consistent follow up mental health evaluations and consequently appropriate ongoing care. Financial factors in both biological and foster households often play a role in this. This may be due to the various professionals providing care for a child entering foster care, as well as a vague definition of which area of practice is responsible for ensuring follow up visits. This presentation will give a general overview of the collective mental health issues that plague children within the foster care system nationally while considering sociodemographic variables as well as placement histories.
The 2009-2010 Health Professions Residential College (HPRC) students and faculty had an event-filled year, full of experiences where we lived and learned together. This year we had over 25 students, one faculty-in-residence, one spouse-in-residence, and two cats living in our community.

Health Professions Residential College students were brought together by their:

- Interest in a career in a health discipline
- Willingness to collaborate in guided community service projects
- Openness to critically examine a variety of health careers
- Ability to learn both inside and outside the traditional classroom
- Dedication to academic success in their community

**Interest in a Career in a Health Discipline**
The students’ majors included nursing, radiologic sciences, biology (pre-med), athletic training, pre-physical therapy, and pre-occupational therapy. Having similar majors was helpful because students took either the same or similar classes to other HPRC residents. They worked together to understand hard concepts presented in courses such as anatomy and physiology, chemistry, and algebra. The Spouse-in-Residence (SIR), Dr. Louis Nadelson, used his background in teaching math and science well this year, spending many hours helping students get a working knowledge of these topics.

**Willingness to Collaborate in Guided Community Service Projects**
During the two semesters each student did volunteer work. One project that many students were involved with occurred at the Zoo Boise in the fall. The residents had a lot of fun with this experience as they helped children enjoy new experiences at the zoo. In addition, two students along with the Faculty-in-Residence (FIR) and SIR volunteered with the Treasure Valley Habitat for Humanity, working on a duplex being constructed for two needy families. All of the volunteers voiced how nice it was to know that they had made a difference in people’s lives.

**Openness to Critically Examine a Variety of Health Careers**
During the year, the FIR, SIR, and the students took field trips to multiple labs and departments across campus including the nursing simulation lab, kinesiology, and radiologic sciences. Several students indicated they were planning on changing their major based on the tours of these facilities. The faculty and students went off campus
and were able to meet with Zoo Boise’s veterinarian, who spoke about her education and led a great tour of the facility. A highlight was meeting a Gila Monster that had recently needed abdominal surgery. During the year, each student met several practicing professionals, researched future job prospects, and met with career counselors that came to our class. All students had the opportunity to lead a class on a specific health career and another social event. These opportunities helped them build organizational and leadership skills.

**Ability to Learn both Inside and Outside the Traditional Classroom**

When the FIR and SIR learned Ann Patchett, author of *Run*, the Boise State First Year Read, was coming to campus they encouraged the students to apply for the opportunity to meet with her during the day and attend her evening presentation. Many students took that opportunity to meet with a world renowned author.

Another outside-the-classroom learning occurred at the BSU bowling lanes, where students restricted a body part to get the feeling of having a physical disability and then bowled (see picture at right). It was fun and a good learning experience, as was a spring-time spelunking trip. Students pushed themselves physically through the darkness and narrow areas underground. Not only did they learn about physical stress during that spelunking experience, but also learned about teamwork and the need to help each other.

**Dedication to Academic Success in their Community**

All of the students enrolled in the Fall 2009 semester returned to Boise State Spring 2010. Of the students enrolled in the Spring 2010 semester, all plan on returning to Boise State or another college/university. Many students reported that studying with the other students helped them to do well in their classes and if they did not pass a class they retook it instead of dropping out. Students and the FIR were also given support by Desi Hutchings, the Program Assistant and Dr. Caile Spears, the previous FIR. Results from the housing survey at the end of the spring semester indicated that most of the students were pleased with their residential college experience and would recommend it to other students.

Sandra Nadelson (Faculty-in Residence)
Director of Student Services
Associate Professor
Department of Nursing
College of Health Sciences

Louis Nadelson (Spouse-in-Residence)
Assistant Professor
College of Education
Promotion and Tenure
Faculty Promotion and Tenure
(effective 2010-2011)

Jayne Josephsen
Department of Nursing
Promoted from Instructor to Assistant Professor

Lutana Haan
Department of Respiratory Care
Promoted from Instructor to Assistant Professor and Awarded Tenure

Linda Osgood
Department of Community & Environmental Health
Promoted from Instructor to Assistant Professor and Awarded Tenure

Elizabeth “Lee” Hannah
Department of Community & Environmental Health
Promoted from Assistant Professor to Associate Professor and Awarded Tenure

Dr. Ed Baker
Department of Community & Environmental Health
Promoted from Associate Professor to Professor
College of Health Sciences Honors Alumni

The College of Health Sciences held its Fifth Annual Homecoming “Honored Alumni Event” on October 1, 2009 at the Wahooz Family Fun Zone miniature golf course.
Alumni Recognition

The 2009 Honorees were:

Cal Gillis, REHS – Department of Community and Environmental Health

While Cal was working at Southwest District Health Department for six years, he achieved certification as a Registered Environmental Health Specialist/Registered Sanitarian from the National Environmental Health Association (NEHA) and attained the position of Senior Environmental Health Specialist. In 2001, Cal was hired as the Environmental Health Officer for Boise State, becoming Manager of Environmental Health & Safety in 2006. Cal is currently pursuing a Master of Health Science with an Environmental Health focus from the Boise State College of Health Sciences. Cal is a member of the Idaho Public Health Association, Idaho Environmental Health Association, the National Environmental Health Association and the Idaho Muzzleloader Association.

Rhiannon Avery, MHS – Master of Health Sciences

While working as the first health educator at Boise State University, Rhiannon learned that Terry Reilly Health Services (TRHS) had been awarded a grant to improve fitness and nutrition levels of third and fourth graders in three rural schools in Idaho. After successful completion of the grant, TRHS transitioned Rhiannon to the expanding Boise Clinic to oversee the day-to-day operations of the medical clinic, along with the administration of their Healthcare for Homeless Services Grant. While working full time, she has also been adjunct faculty for the Department of Kinesiology and Extended Studies by teaching Personal Health for the last seven semesters.

DeAnna Root, RN – Department of Nursing

Upon graduation in 2001, DeAnna was trained by St. Luke’s Hospice nurses with 15 years of hospice experience and an entire team that loved her enthusiasm. DeAnna says that hospice isn’t about dying; it’s about living as best as you can in your final months, weeks, days and hours. Death is just the last moment of an incredible journey. Her job is to be what the patient needs: advocate, friend, teacher, and always a good listener. In her role of nurse, she teaches them and their family about dying, but she says that she is the one who usually learns the most. She has had patients as young as 12 and as old as 104.
Drew began his career with the MRI Center of Idaho (in Boise) as the Safety/ Special Projects Manager and Center Operations Manager. In 2001 he moved to Vallejo, California to help Comprehensive Medical Imaging Group set up a free-standing medical imaging center where he handled everything about the business including budgets, marketing, ACR accreditation, and more. He continued with these responsibilities when he became a partner in Advanced Open Imaging in Seattle and in Boise. He also worked as a Medical Imaging consultant to help build imaging centers in California and the Northwestern United States. That work included site selection, equipment selection, project management, insurance contracting, staffing, and operations set up. Drew is now Director of Imaging with Saltzer Medical Group using his considerable expertise to help Saltzer build their business here in the Treasure Valley.

David E. Shuldes, BS, RRT – Department of Respiratory Care

Dave is the Clinical Director of Rehabilitation and Respiratory Care in Boise and Meridian for St. Luke’s Health System. He is responsible for management of Physical Therapy, Occupational Therapy, Pulmonary Function, Respiratory Therapy and Speech-Language Pathology services in a multi-hospital system with service lines that include multiple specialties. Dave was a key figure in the implementation of the Pulmonary Treatment Protocol and Ventilator Liberation Protocol and established physician order adjustments by evidence-based algorithms to assure appropriate pulmonary care. In 1999, he was the recipient of the President’s Award at St. Luke’s Regional Medical Center. Dave earned his Associate of Science Degree in Respiratory Therapy from St. Mary’s College in Minneapolis, Minnesota. He earned his Bachelor of Science Degree in Respiratory Care from Boise State University in 1999 and is currently enrolled in the Boise State University Masters of Business Administration Program.
What a busy and exciting year, full of development opportunities for the College of Health Sciences. Coordinated by Barb Myhre, Development Director for the College, many highlights were achieved. With a great deal of pride, the College won first place in the competitive employee campaign for Destination Distinction – the university’s comprehensive campaign. A total of 64% of the College’s faculty and staff participated through either payroll deduction or a one-time gift directed to the campaign. Of special note were two newly created student scholarships supported by faculty and staff in both the Department of Nursing and the Department of Respiratory Care.

Friends of Nursing
A group of community volunteers dedicated to raising money and support for nursing education at Boise State, this dynamic group completed an amazing amount of objectives this past year.

Production began in August on a video titled “You Can Help.” Intended as an educational piece for the general public, the video shows the critical need for more nurses and what is needed to ensure that nurses will be there when we need them. A majority of the filming was conducted at Complex Care Hospital of Idaho located in Meridian. Supplemental still shots provided by both Saint Alphonsus and St. Luke’s were incorporated. The finished production is being shown at area service clubs and to other interested groups. A 30 second clip from the video is being aired as a Public Service Announcement on a number of local television stations. Pamphlets were designed to accompany the video and are used as a “take away” from public presentations.

The fund raising committee of the Friends of Nursing, under the direction of Dr. Roy Ellsworth and Brandy Stemmler, organized and facilitated a Gala event on November 12, 2009 in the still under construction Norco Building, the new home of the Department of Nursing and University Health Services. Hosted by Bob and Kathy Kustra and Jim Kissler, CEO of Norco Inc., the lead donor for building construction, 150 attendees enjoyed tours of the building and a gourmet dinner prepared by Incredible Edibles. They listened to comments from Dr. Kustra, Mr. Kissler, Nursing Department Chair Dr. Pam Springer and a nursing scholarship recipient about the impact private support has on nursing education for both our students and the faculty who prepare them. Over $50,000 was raised that evening, to be used primarily for nursing student scholarships. The 2010 Gala is scheduled for November 4 in the Stueckle Sky Center.
Norco Building Comes On-Line
On January 13, 2010, College of Health Sciences advisory board members joined the campus community and invited guests for a grand opening and ribbon cutting for the Norco Building. The four-story building allows the integration of the academic Department of Nursing with University Health Services, maximizing opportunities to integrate classroom learning, laboratory, clinical and internship experiences with research and health care policy development for students, faculty and staff. The much anticipated completion of this new structure allowed for a 15% increase in the number of students able to be accepted into the nursing program. It also provides all Boise State students with a modern health care facility, a great improvement over their previous facility.

Two gifts of art grace the main lobby of the Norco Building. A large mixed-media work by local artist Surel Mitchell is prominently displayed on a wall viewed by all those who enter the building through the north doors. This beautiful work was donated by Brandy and Bertram Stemmler of Boise. Brandy is a board member for Friends of Nursing and Bertram is a radiologist and partner in Intermountain Medical Imaging. The second gift was a donation from Andrew B. Schoedinger, Ph.D., Boise State Emeritus Professor of Philosophy. A pair of Chinese Lions or Foo Dogs, as they are known, graces the entrance to the east stairway leading from the first floor. Foo Dogs are also known as the Celestial Dog and the Happiness Dog. The animals are a symbol of energy and value and are most often displayed in a male/female pair. The male plays with a ball that symbolizes the Earth while the female holds a cub.

Nursing Celebrates 55th Anniversary with Alumni Open House
In conjunction with the beginning of the first semester in the new Norco Building, the Department of Nursing held its first ever alumni event on March 12, 2010. The event was organized by Dr. Val Greenspan and other faculty members, with assistance from College development officer Barb Myhre. The open house celebrated the 55th anniversary of Boise State’s Nursing program.

Approximately 49 alumni, 24 faculty and staff, and 27 guests, including prospective nursing students, University employees, alumni spouses and former faculty members attended. Tours featured the Nursing Practice/Skills Laboratory, The Jody DeMeyer Reading Room - a room with historical displays, demonstrations in the Simulation Lab, the Learning Resource Center, a marketing/information table, an alumni interest/involvement survey, displays from the International Opportunities Committee (INOC) and an Idaho nursing history book sale and signing.

Highlights included alumni attendance ranging from a member of the first nursing class of 1958 to a member of a recent 2008 class; several alumni who traveled from Washington and
California, with the latter having recently returned from an international nursing venture in Honduras; an alumnus who continues nursing employment after 45 years of dedication to nursing and nursing education; and alumni and faculty reconnecting after years of not having seen one another.

**Gift of Nursing History Books**
Through the generosity of the Kissler Family Foundation the Department of Nursing was able to purchase 60 copies of a book delineating the history of nursing in Idaho. Written by local authors Randy Hudspeth and Verlene D. Kaiser, “Charting Idaho Nursing History” is the first comprehensive account of the nursing profession in Idaho, from the days when nurses trimmed lantern wicks and hauled wood to the modern computer age. These books will be distributed to Boise State faculty, students, and select friends of the College. They are available for purchase, through the authors, for anyone interested in the health profession’s history in Idaho.

**Respiratory Care Has First International Scholarship**
The Toshihiko Koga Memorial Respiratory Care Scholarship was created by the family of the late Dr. Koga as a way of honoring his memory and to provide support for any number of students who might travel here from Japan to complete their bachelors in respiratory care at Boise State. Through the efforts of Lonny Ashworth, Department Chair for the program, and because of his association with the late Dr. Koga and with the children of Dr. Koga’s family, the Koga Research Institute completed an endowment gift to the Boise State Foundation which will provide income to award as scholarships now and for the foreseeable future.

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Australia
Faculty Chosen to Speak at International Conference, Hosted in Australia
School of Social Work faculty, Dr. Bonnie Kenaley and Nursing faculty, **Kathleen Sullivan** presented on Integrated Community Support Model (ICSP) at the International Council of Nurses Advanced Practice Nursing Network Conference in Brisbane, Australia 2010.

Canada
Faculty Studies at International Canadian Studies Institute
**Dr. Sarah Toevs** joined 11 other faculty from colleges and universities in the northwest on a 12 day International Canadian Studies Institute sponsored by the Canadian Consulate in Seattle and the citizens of Alberta. The group toured Calgary, Edmonton, Banff, Ft. McMurray (oil sands), and Lethbridge and met with individuals from the government (provincial and federal), universities, public service/health, industry, agriculture, First Nations, arts, and humanities. She plans to incorporate information on the Canadian perspective on the role of government and the individual in society into courses and expand research and educational partnerships with colleagues from Canada. This opportunity was made possible in large part through the Canadian Studies Program sponsored by the Boise State College of Social Science and Public Affairs.

China
Faculty Presents Two Papers in China
**Dr. Uwe Reischl**, Professor of Health Sciences, presented two papers at the 17th World Congress on Ergonomics in Beijing, China, August 9-14, 2009. The first paper, titled “Asthma Slide Rule for School Children,” describes the results of a project involving the design, testing, and evaluation of an educational tool to enable school teachers, school nurses, coaches, and school administrators help guide children suffering from asthma identify appropriate physical activity intensity levels during air pollution episodes. The second paper, titled “Inflatable Mannequin for Testing Thermal Properties of Clothing,” describes the application of a new research tool developed at BSU which can determine the convective, radiative, and evaporative heat exchange properties of complex garments systems worn by persons in hazardous environments. Both papers were co-authored with **Conrad Colby**, Emeritus Professor of Health Sciences, and **Aledia Mermerian**, a Health Sciences undergraduate student.

Faculty Present Symposium Based on Collaborative Work of Team China
**Professors Barbara Allerton** and **Dr. Cynthia Clark** presented a symposium entitled “Incivility in Nursing Education in the United States and the People’s Republic of China” at the 20th International Sigma Theta Tau Nursing Research Congress in Vancouver, British Columbia, Canada. The presentation was based on the collaborative work of Team China, an international research team consisting of nursing professors from Hangzhou Nursing College and Boise State University. Members of Team China include Wu Ya Jun, Cao Mei Juan, Fu Wei, **Barbara Allerton**, **Cynthia Clark**, **Nancy Otterness**, and **Mikal Black**.
Nursing Students Experience Chinese Culture and Health Systems
Thirteen students and three faculty from the Department of Nursing traveled to China over Spring Break 2010 for a study abroad experience. Four senior students from the Nursing Leadership and Management course joined Assistant Professor Pam Strohfus in traveling to Beijing for the BIT Life Sciences 2nd World Congress on Vaccines, where Ms. Strohfus presented her research paper, “Immunization Administration: Are Our Vaccines Safe and Effective?” The group then joined nine Community and Public Health Nursing students and Associate Professors Dr. Susan Parslow and Barbara Allerton in Hangzhou. The group met with students and faculty from the Hangzhou Normal University (HNU) Nursing Program and staff at the Kai Xuan Community Health Center to learn how public health nursing care is delivered in China. The students visited clinics including the immunization program, traditional Chinese medicine clinics, women’s and children’s programs, and observed the community served by the Health Center. In addition, the group toured the Zhejiang Zhongshan Traditional Chinese Medicine Hospital, the Hangzhou Number 2 Nursing Home and the Zhejiang Number 1 Provincial Hospital.

Students toured the HNU Campus to learn how the Chinese nursing students live. Pam Strohfus presented her paper on immunization administration to the nursing faculty and students. The leadership students presented a simulation used for training staff on proper administration and handling of immunizations. The public health students presented a talk on the roles of public health nurses in the US. The discussions that followed were lively, with many interesting questions and observations of the similarities and differences in nursing practice and education in China and the US. In addition to observing Chinese culture and sites in Beijing and Hangzhou, the groups also observed local culture and sites in Suzhou and Shanghai before returning to America. They learned a lot about the ancient and rich culture of China and Chinese health systems, as well as experiencing the warm hospitality of the Chinese people.
France
Faculty to Present in France
Dr. Uwe Reischl, Professor of Health Sciences, and Newell Gough, Professor of Management, presented a paper titled “Encouraging Entrepreneurship in Music and the Arts, and the Transfer of Copyrighted Creations by Universities: US Example, Global Dimensions” at the International Journal of Arts & Sciences Conference in Provence, France. The conference took place on June 8-11, 2010. The paper describes a strategy for enhancing the growth of intellectual properties in the performing arts at universities not only in the United States but also internationally. Analysis of the number and types of copyrights issued and the number of licenses granted by academic institutions for creative works by faculty in the performing arts during the past two decades provided the basis for this paper.

Japan
Faculty Presents in Japan
Lonny Ashworth, Professor of Respiratory Care, presented several workshops in Japan in the summer of 2010:

- Mechanical Ventilation of the Adult Patient, Three-day workshop presented at the International Exchange Visit Programme for Respiratory Care Professionals, Kameda Medical Center, Kamogawa, Japan;
- Mechanical Ventilation of the Adult Patient, Two-day workshop presented at the International Exchange Visit Programme for Respiratory Care Professionals, St. Luke’s International Hospital, Tokyo, Japan;
- Mechanical Ventilation of the Adult Patient, Two-day workshop presented at the International Exchange Visit Programme for Respiratory Care Professionals, Kamakura, Japan.

Faculty Presents International Workshops in Japan
In February 2010, Lonny Ashworth, Professor of Respiratory Care, presented a two-day workshop for Japanese physicians at Hayama Heart Center in Yokosuka, a three-day workshop for physicians at Kameda Medical Center in Kamogawa, and a two-day workshop for physicians at St. Luke’s International Hospital in Tokyo. The workshops are presented as a part of the International Exchange Visit Programme for Respiratory Care Professionals initiated by Dr. Toshikiko Koga in 1998.

As a direct result of the workshops, four clinicians (a nurse, two physical therapists, and a medical engineer) have transferred to the Department of Respiratory Care at Boise State and have completed, or are in the process of completing, their Bachelor of Science in Respiratory Care. Several other clinicians from Japan are currently studying English in preparation for transferring to Boise State.
Awards

Dean’s Award for Professional Service to the College of Health Sciences

Mikal Black, RN, MSN joined the Boise State University nursing faculty in 2002. She has a Bachelor of Arts in English from Montana State University and a Bachelor of Science in Nursing from Boise State University. She received her Master’s degree in Nursing from Gonzaga University. A lifelong teacher, she started her career in secondary education, teaching English and English as Second Language. Her experience of working with marginalized populations in education was continued as a nurse in rural health and currently practices at a clinic for the uninsured. Since joining the faculty at Boise State University, she has taught throughout the nursing curriculum, and specializes in professional concepts, cultural diversity, and international nursing, including collaborative research with China and the Somali Bantu refugee community. Mikal spends her free time traveling, where her career as a nurse educator has taken her to such destinations as China, Ecuador, Israel, Netherlands, and Italy. Her hobby of rodeo takes her and her family all over the western U.S.

Dr. Ingrid Brudenell, RN, PhD, has served the Department of Nursing, College of Health Sciences, and Boise State University for 28 years, retiring in 2010, and is now serving in the capacity of Emeritus Faculty. During her time at Boise State, Ingrid served as a Professor of Nursing. Her BS is from the University of Michigan, her Master’s degree from University of Colorado, and her PhD from the Oregon Health Sciences University. Ingrid’s specialty is family nursing. Her research interests are qualitative research, humanities in health care education, research and policy development, outcome assessment and evaluation, family nursing, substance abuse recovery, and health promotion.

Excellence in Faculty Research Award

Dr. Tedd McDonald, PhD, is a Professor in the Department of Community and Environmental Health and the Director of the Master of Health Science Program. He earned his Bachelor of Arts and Master of Arts in Psychology at California State University, Chico and his Doctorate in Psychology at the University of Wisconsin-Milwaukee with a major emphasis in Social Psychology and minor emphases in Cognitive Psychology, History and Systems in Psychology and Sociology. Tedd is an Honorary and Distinguished Member of the National Society of Collegiate Scholars and a member of the Rocky Mountain Psychological Association, the Society for Community Research, and Action and Western Psychological Association. His research interests focus on mental health, substance abuse, and quality of life issues among members of vulnerable populations, including the homeless, refugees from war-torn countries, at-risk youth, Native Americans, senior citizens, and residents of isolated rural communities.

Excellence in Faculty Service Award

Dr. Dale Stephenson, PhD, is a Professor and Director of the Environmental and Occupational Health Program and the Center for Excellence for Environmental Health and Safety that resides in the Department of Community and Environmental Health. Dr. Stephenson earned his Bachelor of Science in Geology from Metropolitan State College and his Doctorate in Environmental Health from Colorado State University. He is certified by the American Board of Industrial Hygiene in the
Awards

Bonnie Powers, Boise, Idaho, is a Nursing major. Bonnie has earned her Registered Nurse license and Advanced Cardiac Life Support certification. She has participated in many volunteer and research activities, including teaching classes at a psychiatric clinic, helping develop a diabetes education web site for the Garden City Community Clinic, and conducting research that resulted in best-practice recommendations for the Southwest Idaho Area Agency on Aging. Bonnie also has volunteered in several extracurricular settings, including the World Special Olympics, Fairmont Jr. High School, Capital High School, West Boise Little League, Boise Capitals Baseball, and as the vice-president and recruiter for the Student Nurses’ Association. She is a member of the Phi Kappa Phi Honor Society, the American Legion and the Idaho Capital City Kennel Club, in addition to serving as membership chair of Mu Gamma, the Boise State nursing honor society.

Bonnie Powers chose Joan Carnosso, Associate Professor of Nursing, as her Honored Faculty.

Excellence in Faculty Teaching Award

T. J. Wing earned his Bachelor of Science in Respiratory Therapy in 2002 and a Masters of Health Science with a Leadership Emphasis in 2008, both from Boise State University. He has been teaching adult critical care and neonatal/pediatric emergency medicine in the Respiratory Care Program since 2003. T. J.’s teaching style is very hands on; he enjoys helping to guide students toward self-discovery, often dealing with difficult concepts. His favorite classes to teach involve the ability to apply theories learned in the classroom in real life situations. His goals are to continue working on a PhD. in Education from the University of Idaho, while completing research in the areas of adult mechanical ventilation, human performance, and pulmonary disease.

Excellence in Staff Service Award

Alexis Rowland is a management assistant in the Department of Nursing. Alexis and two of her three children came to Boise in mid-July of 2002 after 17 years of service with UCLA. She was the policy and training manager for the UCLA Academic Personnel Office and also the assistant to the Associate Vice Chancellor for Faculty Development/Diversity. Prior to coming to BSU, Alexis had the privilege of working at the Idaho State Veterans Cemetery. She was part of the team that took it from a simple hillside to 76 acres of a beautifully landscaped place of honor for Idaho Veterans and their spouses. She designed Governor Kempthorne’s dedication day invitation as well as the dedication program that was distributed to the over 3,000 in attendance. Between Alexis and her husband, her family consists of six children and three grandchildren. They like to camp and fish when they find a spare moment.

Top Ten Scholar

Bonnie Powers chose Joan Carnosso, Associate Professor of Nursing, as her Honored Faculty.
Adjunct Faculty

Department of Community and Environmental Health
Cindy Andreaason
Rhiannon Avery
Kelly Beltz
Cynthia Clinkingbeard
Hartzell Cobbs
Conrad Colby
Connie Collins
Elizabeth Giles-Ihling
Cyndia Glorfield
Margaret Henbest
Neil Kugler
Marjorie Rich
Michelle Sundquist
Corey Surber
Leland Ben Swanson
Carolyn Templeton
Thomas Turco
Pete Wagner
Leisa Zarian

Department of Nursing
Jenny Alderden
Darcy Anderson
Sandra Ashworth
Ann Butt
Julie Carr
Kathy Daniels
Renae Dougal
Katie Dyche
Reed Freda
Karla Gearheard
Jennifer Hordemann
Matt House
Jill Humble
Kimberly Kauk
Laura Kogan
Judith Perry
Heather Taylor
Cynthia Voegeli

Department of Radiologic Sciences
David Brinegar
Sabrina Call
Chris Hayden
Duane McCrorie
Erin Messenger
Chris Newton
Kaylynne Price
Carolyn Sinigiani
Don Tulloch

Department of Respiratory Care
Michele Andrew
Bruce DeLawyer
Tom Gable
Paula Goodsell
Gayathri Gopalakrishnan
Roger Hefflinger
Mary Kimbrel
Robbie Roberts
Amy Schaller
Owen Seatz

Radiologic Sciences faculty Scott Staley brags about his student, Daniel Watland, at the 2010 College of Health Sciences Scholarship Ceremony.
Leslie Black, Administrative Assistant II
Anita Castello, Administrative Assistant I
B.A., Idaho State University
Michelle Davis, Management Assistant

James T. Girvan, Dean and Professor of Health Sciences
A.A., Clark Community College;
B.S., B.A., M.A., Pacific Lutheran University;
M.P.H., University of Washington;
Ph.D., University of Oregon

Sandy Lee, Management Assistant

Dany Lusk, Administrative Assistant I
B.A., Linfield College;
M.F.A., State University of New York, Stony Brook

Barbara Myhre, Development Director
B.C.S., Minot State University

Ellen Seibolt, IT Information System Technician

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B.S., Pennsylvania State;
M.S., University of Pittsburgh;
Ph.D., Temple University

Angela Garcia, Management Assistant

Elizabeth Hannah, Assistant Professor
A.A., Okaloosa-Walton Community College;
B.S., M.S., University of Florida;
D.V.M., University of Florida;
M.P.H., University of Kansas Medical Center

Elaine Long, Professor Emeritus
B.S., California State Polytechnic University;
M.S., Iowa State University;
Ph.D., University of Idaho

Uwe Reischl, Professor
B.A., M.A., Ph.D., University of California, Berkeley;
M.D., Ph.D., University of Ulm, Germany

Sarah Toevs, Department Chair and Professor
B.S., Wichita State University;
M.S., University of Missouri, Kansas City;
Ph.D., University of Utah

Alcohol and Drug Studies
Susan Esp, Assistant Professor
B.S., University of Wyoming;
M.S., Northern Arizona University;
Ph.D., University of Idaho

Environmental Health Program
Dale Stephenson, Director and Professor
B.S., Metropolitan State College;
Ph.D., Colorado State University

Health Informatics and Information Management Program
Linda Osgood, Director and Instructor
A.S., B.S., Boise State University

Jamie Sand, Assistant Professor
A.S., B.S., M.S., Boise State University

Pre-Professional Studies Program
Erin Colburn, Academic Advisor
B.A., M.P.A., Boise State University

Glenda Hill, Director
B.S., M.Ed., University of Idaho

Regional Alcohol Drug Awareness Resource (RADAR)
Dottie Blackwell, Technical Records Specialist II

Georgia Girvan, Director
B.A., Pacific Lutheran University;
M.H.E., Idaho State University

Julie Cook, Administrative Assistant I

Master of Health Sciences
Tedd McDonald, Director and Professor
B.A., M.A., California State University, Chico;
Ph.D., University of Wisconsin, Milwaukee

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Sara Ahten, Assistant Professor
B.S., University of Illinois;
M.S.N., St. Joseph College of Maine
Colleagues

Barbara Allerton, Associate Professor
B.S.N., Vanderbilt University; M.S.N., Virginia Commonwealth University

Traci Anderson, Administrative Assistant I
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Jeri Bigbee, DeMeyer Endowed Chair and Professor
B.S., Columbia University; M.S.N., University of Washington; Ph.D., University of Texas, Austin

Mikal Black, Assistant Professor
B.A., Montana State University; B.S.N., Boise State University; M.S.N., Gonzaga University

Ingrid Brudenell, Professor
B.S.N., University of Michigan; M.S., University of Colorado, Denver; Ph.D., Oregon Health Sciences University

Becky Bunderson, Simulation Specialist and Coordinator
B.S., Washington State University M.S.E., Boise State University

Faye Carlson, Assistant Professor
B.S.N., Boise State University; M.S.N., Idaho State University

Joan Carnosso, Associate Professor
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Kelley Davis, Administrative Assistant I

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Boise State University

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Clearwater Research

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OPE
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Boise State University

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Idaho Alliance of Leaders in Nursing

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Central District Health Department

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Complex Care Hospital of Idaho

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Boise State University

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Boise State University

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Boise State University

**Gail Collier, R.N.**  
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Veterans Affairs Medical Center

**Vera Fink, R.N.**  
St. Luke’s Regional Medical Center - Boise

**Mickey Myhre, M.D.**  
IDX Pathology

**Dr. Jim Girvan**  
Dean, College of Health Sciences  
Boise State University

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Healthwise, Inc.

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Retired

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**Stephanie Adams, RN**  
Unit Coordinator  
Veterans Administration Medical Center

**Danell Bleymaier, BS, RN**  
Nurse  
Saint Alphonsus Regional Medical Center

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Company/Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marsha Cantrell, MS, RN</td>
<td>Unit Director</td>
<td>St. Luke’s Regional Medical Center – Boise</td>
</tr>
<tr>
<td>Jean Clark, BS, RN</td>
<td>Unit Director</td>
<td>St. Luke’s Regional Medical Center – Boise</td>
</tr>
<tr>
<td>Patty Huffman, BS, RN</td>
<td>Nurse Manager</td>
<td>Saint Alphonsus Regional Medical Center</td>
</tr>
<tr>
<td>Roman Davis, BS, RN</td>
<td>Nurse</td>
<td>St. Luke’s Regional Medical Center – Meridian</td>
</tr>
<tr>
<td>Jamie Denning, RN</td>
<td>Nurse</td>
<td>St. Luke’s Regional Medical Center – Meridian</td>
</tr>
<tr>
<td>Nancy Jensen, BS, RN</td>
<td>Unit Director</td>
<td>St. Luke’s Regional Medical Center – Boise</td>
</tr>
<tr>
<td>Merry Kuyper-Carson, MS, RN</td>
<td>ACNSE, Veterans Administration Medical Center</td>
<td></td>
</tr>
<tr>
<td>Taresa Dunten, RN</td>
<td>Nurse</td>
<td>St. Luke’s Regional Medical Center – Boise</td>
</tr>
<tr>
<td>Dena Ellwanger, RN</td>
<td>OB/PEDS Director</td>
<td>Mercy Medical Center</td>
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<td>Kristi Funk, RN</td>
<td>Nurse Educator</td>
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</tr>
<tr>
<td>Dana Gulbransen, BS, RN</td>
<td>Department Director Telemetry</td>
<td>Boise</td>
</tr>
<tr>
<td>Irene Haney, RN</td>
<td>Charge Nurse</td>
<td>West Valley Medical Center</td>
</tr>
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<td>Ben Murray, MS, RN</td>
<td>Nurse Manager</td>
<td>Saint Alphonsus Regional Medical Center</td>
</tr>
<tr>
<td>Angie Metcalf, RN</td>
<td>Unit Coordinator</td>
<td>Veterans Administration Hospital</td>
</tr>
<tr>
<td>Cyn Newsom, RN</td>
<td>Director of Nursing</td>
<td>Southwest Idaho Advanced Care Hospital</td>
</tr>
</tbody>
</table>

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Jennifer Snyder, RN  
Charge Nurse  
Veterans Administration Hospital

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