With great anticipation, and after 16 months of construction, the Richards Building pools are now open for swimming. Utilizing the same space, the new look and structurally-upgraded pool area will be a great asset to the campus community. The pools will serve those involved in academic classes, intermural programs, and the intercollegiate swim and dive teams. They will also serve the entire student body who simply want to exercise or take a lap in the pools.

The original pools, built in 1965, were leaking more than 2,000 gallons of water a day and did not meet current health and safety codes. Yearly repairs had become significant enough to require a complete replacement. The renovation not only solved any repair problems, but has given BYU one of the best pool facilities in the West.

One of the most noticeable changes made during the renovation was the combination of the lap pool and the dive pool into one large pool that serves both purposes. A moveable floating platform was built to divide the lap swimming and diving areas. This moveable platform can also be placed at one end to create a single large pool with 17 swim lanes. The smaller, family pool will be used for classes and other events.

Another less-noticeable upgrade is the new regenerative water filter system that replaced the old sand filters. The new filters will make the pool water cleaner, clearer, and will require fewer chemicals. Reducing the need for chemicals will also improve air quality in the facility.

Patrons will also notice many other modifications. The water level is now flush with the pool deck and the north-end dive platforms have changed. Balcony seating has been added on the east side to expand the viewing area. Perhaps the best feature for the spectators is the replacement of the view-limiting balcony rails with glass railing. The lighting has been improved, and a world-class sound system has been installed with two large video boards that highlight the experience. Please take the opportunity to come see the renovated facility, and jump in for a swim.
An Incredible, but Aging Campus

As visitors, students, faculty and staff enjoy this incredible BYU campus with award-winning landscaping, they may not be aware of the tremendous work that goes into maintaining the gardens as well as many beautiful buildings, both old and new, in top shape. Our campus is approximately 660 acres with 1,200 trees of 50 different species, including the oldest Scotch Pine in the state of Utah. We have 5,000 perennial and 10,000 annuals, and are blessed with 17,897 parking stalls and 3,500 bicycle stalls. There are close to 400 buildings on which 275 are on the main campus. The largest building is the Harold R. Lee Library with almost 716,000 square feet while the smallest is about 900 square feet. The oldest is the Maeser Building, which was constructed in 1911, and the newest is the Engineering Building, which received its certificate of occupancy from Provo City in August 2018. The campus accommodates 100 stalls and 400 wards of the Church. The average age of our buildings on campus is 33+ years old, placing the average building date at 1984. If you remove all of the new buildings constructed since 2005, the average age of “older” campus is over 40 years. The oldest building on campus, the Karl G. Maeser Building, was erected as a memorial to honor the former Principal of Brigham Young Academy, the predecessor of Brigham Young University. The Maeser Building was designed by the architectural firm Ware & Tarrant in the Classical Style of architecture. Clay in limestone quarried in Utah’s Sanpete County and with terra cotta ornamentation, the building’s exterior had suffered observable impact from the weather, and environmental pollution over the last century. Despite the durability of the stone and terra cotta construction, the building had experienced a slow deterioration of mortar and masonry which allowed for water to enter through the open joints and cracks. This intrusion resulted in the rusting of ferrous metal anchors, cracking of various terra cotta units, and some extensive spalling (fragmenting) of these elements. From 2013 thru 2015 an extensive exterior restoration was performed in order to repair the damage and preserve the iconic building for future generations. Restoration measures included a complete mortar joint replacement. Craftsmen matched the original mortar joint type to keep the building historically correct. Their work included re-pointing existing stone features, including corners and interior recessed areas, stone replacements where there was excessively deteriorated stone elements, masonry patching of stone and terra cotta, and structural pinning at cracked masonry units. The sandstone base of the building was also recoated with a durable foundation coating. The final touch was a full exterior restorative cleaning and the application of high-tech water repellents.

As we enjoy the beauty and history of our campus, we recognize the amazing efforts of so many people who keep our aging campus in tip-top shape for generations of students yet to come.

Water Purification on Campus

Central Heating Plant

By Wally Bishop

BYU’s Water Treatment department, under the management of the Central Heating Plant, consisting of two full-time employees and two student employees. Water Treatment personnel use heating and cooling vessels including boilers, steam generators, heat exchangers, chillers, absorbers, cooling towers and closed loop systems to treat the water that is used in food preparation and hot water generation, and to heat and cool campus buildings. Water is also treated in the two newly-remodeled pools in the Facilities Planning & Construction department to treat the water that is used in food preparation. YU’s Water Treatment department, under the management of the Central Heating Plant, consists of two full-time employees and some extensive spalling (fragmenting) of these elements. To keep in scale buildup or corrosion. By balancing the water with different types of treatment for different types of surfaces, scale and corrosion are controlled and surface damage is minimized. To keep campus boilers, pipes, exchangers, pools, pumps, and other equipment in good working condition, water is constantly treated to achieve this balance by controlling the pH, conductivity, and the hardness of the water. To prevent oxidation inside of piping and other metal surfaces, oxygen scavengers (chemicals) are introduced into the water flow to de-oxygenate the water. In addition, passivation chemicals are added to the water to coat the metal which results in more protection.
NEW EMPLOYEES
We extend a warm welcome to the following new full-time employees who recently joined our Physical Facilities Team.
Steven Griffiths  Planning
Dan McWiggins  Heating Plant
Travis Dance  Planning
Jacob Lee  Information Support
Mark James  Electric Shop
Jonathan Jensen  Planning
Joshua Quist  Gardening Maintenance
Zach Kruger  Housing & Dining Maintenance
Renea Tulenson  Custodial

INTERNAL PROMOTIONS
Desiree Bergmann  Area Supervisor-Custodial

CONGRATULATIONS TO OUR RECENT RETIREES
Helen Alexander  Custodial
Dan Christensen  Warehouse
Dee Christensen  Buildings, Grounds & Transportation
Robert Moore  Gardening Maintenance
Brent Sanderson  Housing & Dining Maintenance

CONGRATULATIONS TO OUR SAERA RECIPIENTS
Russell R Nielson  Exceeding Customer Expectations
Charles M Andersen  Teamwork
Audra Joan Stevens  Accountability
Robert Lenord Moore  Integrity

Jingle, Jingle vs. Silence

I once heard someone say that the only change people like is the change that jingles in their pocket. I suppose that’s true in many ways. However, I believe that when people understand why a change is made, they handle it better than when it is unexpectedly dropped on them with no chance to give input.

I recently asked all Managers, Directors and Managing Directors throughout both the traditional areas in Physical Facilities and Auxiliary Services to join with me in brainstorming how we could productively and seamlessly merge the two teams together to gain new efficiencies that would benefit all of campus. This effort has been discussed, on and off, for many years without a suitable solution. This time, however, was different. With creative new ideas, born from the synergy of many dedicated leaders, we were able to formulate new ways to work together that will maintain, if not improve, our current service while reducing our costs and overlapping leadership structure. After weeks of discussions, the new Physical Facilities was put in place and officially started functioning on Friday, March 21, 2018. There will still be little shifts and adaptations as we move forward, but the foundation is in place. One of the most notable accomplishments is that the ideas for these changes came principally from those who do the work, see the challenges, and have figured out how to do it better. Our challenge now is to implement the transition so seamlessly that our clients across campus only see and feel the benefits of positive change...Now that’s change we can all appreciate.