



IN THE PICTURE AT THE LEFT, WE HAVE SHOWN MR. MARTIN ROARK, (FAR LEFT), CHIEF FIELD SURVEYOR, INSTRUCTING ONE OF OUR FIELD PERSONNEL IN THE USE OF THE ELECTRO-TAPE. THE ELECTROTAPE IS ONE OF THE LATEST DEVICES FOR ACCURATE MEASUREMENT OF LONG DISTANCES (30 MILES) AND IS OFTEN UTILIZED BY CALDWELL, RICHARDS & SORENSEN, INC. IN THE SURVEY DEPARTMENT. EXPERIENCED FIELD CREWS ARE AVAILABLE FOR ALL TYPES OF SURVEY WORK.

**CRS Celebrates a Century**

**S**alt Lake City-based Caldwell Richards Sorensen celebrates 100 years in business this month. The engineering firm has been behind the scenes helping everyday life run efficiently in almost every municipality in the state.

Richard E. Caldwell and Albert Z. Richards, both graduates of the University Utah, founded the firm in 1905. Caldwell was known for housing his survey and drafting tools on the running boards and back of his Model A Ford, going where the work was needed and providing vital infrastructure solutions for irrigation and drainage projects, roads, highways, water and waste water systems throughout the state. Caldwell served as State Engineer of Utah for two years and was a member of the first Colorado River Commission under Herbert Hoover. A.Z. Richards made the first topographic survey of the Deer Creek Reservoir site after the Central Utah Water Project was conceived.

In 1932 Alton H. Sorensen joined Caldwell and Richards. Educated in Illinois, his expertise in civil and structural engineering expanded CRS' ability to design sanitary sewer systems, sewage treatment plants, and water supplies. By the late fifties, Sorensen was leading the firm as Executive Vice-President, A.H. Sorensen, Jr. was a Vice President and Albert Z. Richards, Jr. had assumed the presidency of the growing firm.

Keenly interested in solar evaporation and salt production, A.Z. Richards Jr. organized the Stansbury Salt Company in 1949. This eventually led to the design and production of Salt Harvesting Combines and the creation of CR&S International. An important component in the production of PVC, salt demand increased throughout the world. This Division of CRS pioneered salt production projects in Ecuador, Mexico, Nigeria, Jordan, South Australia, California, Tennessee, and Utah.

"That same pioneering spirit is the backbone of CRS today," says Paul Hirst, president and owner. "One hundred years later we are still focusing on total civil engineering services."

Since 1905, CRS has been involved in a broad range of work with projects such as the Intermountain Power Project, the Liberty Park Lake, Riverbend and Old Mill Golf Courses, the luge run at the Olympic park and Speed Skating Oval for the Salt Lake 2002 Winter Olympic Games, the preparation for the Legacy Highway and the planning of the Light Rail into Davis County. Perhaps less visible but equally important are the culinary water, storm water, waste water, transportation, wetlands, site development, energy systems, pavement management, GIS, and land surveying services provided on a consistent basis to cities, counties, districts, architects, contractors, and developers throughout the intermountain region.

Lead by three executive principals the firm currently has 33 employees, including 11 engineers and 5 surveyors who are located at offices in Salt Lake City and Ogden.



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