



American Water Works Association Nebraska Section

COLONEL THEODORE A. LEISEN MEMORIAL EDUCATION AND TRAINING ENDOWMENT FUND

The Nebraska Section American Water Works Association (AWWA) established the Colonel Theodore A. Leisen Memorial and Training Endowment Fund in 1993 to encourage water industry professionals to obtain additional training and encourage graduate and undergraduate students to choose the water industry as their field of work.

Colonel Theodore Alfred Leisen was one of the incorporators of AWWA and served as president from 1917-1918. He also chaired several national committees on public health and pollution.

Leisen completed high school in his native Philadelphia and received only private engineering instructions. His father had been an engineer and his grandfather, an architect in England.

The Omaha World-Herald, November 1, 1923, described him as "rather thick set and about five feet six inches tall." Soft-spoken and very dignified, he was all business. Leisen began his involvement with the water industry in 1886, at age 21, as a chief engineer for a South American construction project. He later designed the Wilmington, DE waste water system and served as superintendent of the city's water department.

In 1908, Leisen was named superintendent of the Louisville, KY Water Department. Six years later he moved to Detroit, MI as superintendent of its water department where he supervised the construction of the world's largest filtration plant (350 MGD).

During World War I, he held the rank of a major in charge of construction and utilities officer at Camp Custer, MI. Leisen was named general manager of the Metropolitan Utilities District (M.U.D.), Omaha, NE, in 1923 at age 59, at a salary of \$12,500 a year.

From **Trial and Triumph**, the first 100 years of the Metropolitan Utilities District, by David F. Barber (1989): "Colonel Leisen lost no time making sure that "mud fiasco of 1923" could never happen again. On May 8, 1924, he informed the (M.U.D.) Board that the Florence plant now had a different method of disposing of sedimentation in the settling basins. "Instead of emptying the basins and washing them out," he said, "the mud is now being run out during the operation... Mud valves are opened for a short period at frequent intervals and the mud is flushed from the bottom... Daily turbidity tests show this process has worked satisfactorily thus far and will undoubtedly result in a material saving in labor and cost of pumpage during the year. "Maintaining his reputation as a builder, General Manager Leisen directed the construction of the Downtown Headquarters Building at 18th and Harney Streets., and the Service Building on 20th St., north of Center St. Each cost approximately \$275,000. The new office building opened in early 1927. During his 16-year tenure at M.U.D., the water and natural gas utility also began the changeover from manufactured gas to natural gas. The process started November 5, 1934."

When he announced his retirement July 19, 1939, at age 74, both gas and water rates had been drastically reduced. Bonded indebtedness was down to \$1.6 million for the water department and \$1.5 million for the gas department. The District had improved its physical facilities as well as its financial standing. Leisen returned to Detroit and died in 1944. In 1993, AWWA inducted him into the AWWA National Hall of Fame.



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SCHOLARSHIP APPLICATION

Instructions: Please fill in all information. **Application must be typed.** Incomplete or handwritten applications may not be accepted.

PERSONAL INFORMATION

| | | |
|--|------------------------|-----------------------|
| First Name: | Middle Initial: | Last Name: |
| Home Address | | School Address |
| Home Phone: | | School Phone: |
| Email: | | |
| AWWA Membership Information (if a member) | | |
| Type of Membership: | | Member No: |

EDUCATIONAL BACKGROUND

List colleges and Universities attended starting with the most recent

| Name of Institution | Major | Dates Attended | Degree Received |
|---------------------|-------|----------------|-----------------|
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INFORMATION PERTAINING TO PROPOSED UNDERGRADUATE/GRADUATE PROGRAM

College or University that you attend/plan to attend: _____

Planned area of study: _____ Full time or part time? _____

Degree objective: _____ Starting Date: _____

Please attach a copy of your scholastic record/transcript (unofficial transcripts will be accepted).

List scholarships received previously either as an undergraduate or graduate student



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List memberships in other professional/student organizations, societies, etc.

List community activities, civic involvement, volunteer efforts, etc.

List your work experience. Start with the most recent experience first.

| Employer | Nature of Work | Dates Employed | Hrs per Week |
|----------|----------------|----------------|--------------|
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Explain your plans following graduation. Include discussion of what you feel are the greatest challenges facing the water treatment/public works industry and the role you hope to play. (Use separate sheet(s) if needed).

What are your career interests and objectives? As part of this description, note any experiences you may have in the water treatment and supply field or in the environmental field either through coursework, employment, or community involvement. (Use separate sheet(s) if needed)



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Please ask an advisor or another university official to certify the following:

I hereby certify that _____ is an Undergraduate/Graduate
Name of Applicant

student in the _____ Department at _____
Name of Department
College or University

Signature of Advisor or School Official

Title

Date

I declare that all the information supplied on this application is true and accurate

Signature of Applicant

Date

Please forward the completed application to either:

Dr. Xu Li
N117 SEC
Civil Engineering
University of Nebraska
Lincoln, NE 68588-0531

Dr. George Hunt
PKI206E
Civil Engineering
University of Nebraska
Omaha, NE 68182-0178

Application must be received no later than **October 18, 2017**. The scholarship will be awarded at the Nebraska Section AWWA fall conference luncheon in Kearney, Nebraska in early November. It is encouraged that scholarship award recipients attend the luncheon to receive their award in person. Transportation is provided by the University to attend. We look forward to meeting you there!

In addition, please provide your t-shirt size: _____