



President's Message

As we approach the end of the fiscal year, I want to thank all of the volunteers and board members who worked to make our chapter and events successful. Because of you, our golf event raised over \$15,000 for ASHRAE RP, our beer and wine social raised over \$2,000, and the shooting event boasted over 80 participants raising money for our scholarship fund.

I am so proud that we kicked our Government Grass Roots activities into high gear this year. We had our first "Day on the Hill" where members of our local chapter met with local and state legislators to advocate for ASHRAE and gave voice to the concerns of the local engineering community.

Our technical lunches included some wonderful speakers and will, of course, continue into next year. I encourage you to look around your offices and ask that a younger engineer, or a "too busy" colleague to join you at these meetings. Sessions are organized around the topics most relevant to you; please reach out to me or the 2018-2019 CTTC chair, Dave Kern, with any suggestions. Agenda and topics for the upcoming year will be set during our June meeting with the firm principles.

I hope everyone has a relaxing and fun summer. We look forward to seeing you back this fall.

Jared Keron



Ned Heminger November 2017



Debbie Ohler September 2017

2018 Sporting Clays Event

ASHRAE Columbus Chapter Board of Governors and Members would like to thank all of those who participated in the 2018 Sporting Clays Scholarship Fundraiser held at Blackwing Shoot Center on May 4, 2018. There were 75 participants this year. Although the final numbers are not in, we will raise between \$3000 and \$4000 for the scholarship fund. I would like to thank the following sponsors for their donations and support:

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AND THE WINNERS ARE:

<u>SKILLS WINNERS:</u> 5 Stand - Pavilion = Ted Patton Crazy Bird = Jake Dresse	<u>LOWEST SCORE:</u> Herb Beidel = 4
<u>HIGH SCORE:</u> Brian Lloyd = 40	<u>HIGHEST TEAM SCORE:</u> Team Ganzer = 115/200



Crazy Bird Winner - Jake Dresse.



Herb Beidel with his new gun.

2018 Sporting Clays Event



Peter Walsh, Jake Taylor
Sean Weber, Jamie Dennis



Mark Ganser, Frank Buoni
Ted Patton, Jason Nutbrown

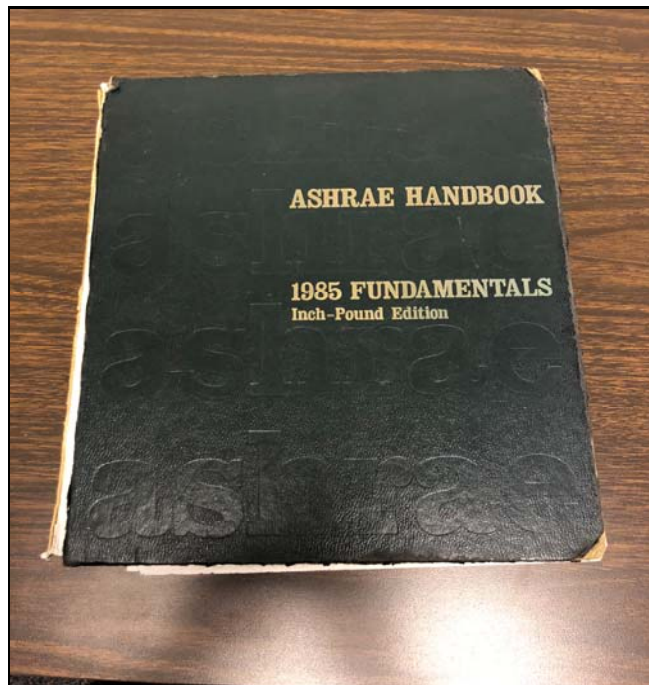


Flashback Dallas 1988

While at the ASHRAE Winter Conference in Chicago this past January a few of us were able to re-live some fond memories as it was 30 years ago that Theresa Krystofik, Ned Hemimnger, and Carl Schultz went to Dallas for the conference as part of a group of OSU students led by our professor, Dr. Margaret Drake.

From Ned:

During our HVAC class, Professor Drake taught us from the 1985 ASHRAE Fundamentals book. I can remember doing manual load calculations, actually still have the book (see attached). Over the years, I have often referred to this particular Fundamentals book over the newer ones because of being so familiar with it. There was a small group of us in the class, maybe a dozen. Of that, around half of us went to the Dallas Winter Meeting. The Columbus Chapter paid for our airline tickets to help offset our cost. For me, that was the first time I had flown in a plane. We went to some seminars, including a student breakfast. Also, we went to the manufacturer trade show. Though the part I probably remember the best is the time we spent together as a group, developing new friendships. Which looking back now is the same reason I enjoyed being on the Columbus Chapter Board as well as participating on a national committee. Something I'm sure Professor Drake knew when she started our group down this path.



Dallas 1988 with Dr. Margaret Drake

Theresa's memories . . .

While in college, my favorite subjects were heat transfer and thermal dynamics. An advisor recommended looking at the HVAC industry and advised Dr. Drake's elective classes. Dr. Drake convinced us to become student members of ASHRAE so we could purchase the 1985 Fundamentals ASHRAE handbook, our 'classroom text book'. Dr. Drake gave us many great stories from her college studies and consulting background to compliment what we were learning from the handbook. Many pages of the handbook became dog-eared and were very useful throughout post college days. I am forever grateful that the local ASHRAE chapter sponsored students to attend the ASHRAE meetings and convention during the winter of 1988. We had a great group of students that were interested in attending. I especially enjoyed the forums where attendees participated in open industry discussions and exploring Dallas with classmates. As a graduating senior, I met with manufacturers at the trade show and found a great employer. This year I will celebrate 30 years working for a global air conditioning manufacturer with Columbus headquarters. The HVAC electives and the ASHRAE experience were very instrumental in launching our careers.

Thanks Dr. Drake & ASHRAE Columbus for introducing us to the HVAC industry.



Dr. Margaret Drake

Ned Heminger, Dr. Drake, Carl Schultz,
Theresa Krystofik, John Boyer, Pam Stoffer



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IN MEMORIAM

Gerrit S. Van Straten passed away April 24, 2018 at the age of 85. Born July 6, 1932 in Baltimore, Maryland, he went on to graduate from the Baltimore Polytechnic Institute with a diploma and then The Ohio State University with a B.S. degree in Mechanical Engineering. He served in the U.S. Army during the Korean War. He devoted his life to the love of engineering and started this work at North American Aviation, then on to manage his own engineering firm for 34 years and finishing out a 64 year engineering career with the national A&E firm of WD Partners. He was a nationally registered Mechanical Engineer and individually registered as a mechanical and electrical engineer in 49 states, the District of Columbia and the American Virgin Islands. He was a life member of the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) where he served as chapter president and on many national committees; full member of the American Society of Plumbing Engineers (ASPE) where he served as chapter President and national President of the ASPE Research Foundation. He was also selected as the U.S. representative to the International Plumbing Conference in Europe. He was involved in the writing of various state and national engineering codes, wrote engineering articles for trade magazines, and authored plumbing, mechanical and electrical teaching seminars. His love for teaching was proven by the fact that there are seven different engineering firms in the U.S. being run by employees that worked at his firm. He was given a national award for the best lighting design for large industrial manufacturing plants and developed a manufacturing process for titanium metal that allowed for the successful production of the wings on high speed naval aircraft. An engineering challenge by a client to provide a better method for energy conservation, and initial cost, led to a new HVAC design concept accepted by ASHRAE.



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RETIREMENT

MICHAEL L. YOUNG, P.E., LEED AP BD+C
Mechanical Engineer**Education**

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Professional Engineering Registration

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American Society of Heating, Refrigerating, and Air Conditioning Engineers

American Society of Plumbing Engineers

The Builders Exchange of Central Ohio

**Experience**

Mike has 52 years of experience, including mechanical system design and project management on numerous university, school, city, county, and state projects. He served on the City of Columbus Licensing Board for Refrigeration Contractors from 1980 until the Board disbanded in 2017. Mike started his career working with his father at Robert S. Curl & Associates at the age of 16 as a draftsman.

Mike has been a key member of the HVAC community for many years and is looking forward to his retirement by playing more golf, enjoying his grandchildren, and spending time with his wife Susie. Mike is easing into retirement by continuing to work part-time at Roger D. Fields Associates, Inc., but, when the sun shines, he'll be out on a golf course somewhere, so if you need a fourth at the last minute, give him a call.

STEM Expo

The local Columbus ASHRAE chapter participated in the annual Central Ohio STEM Expo on Saturday, March 3rd at Thomas Worthington High School. This was a free educational outreach event for students grades K through 8 that featured fun, interactive activities and exhibits in the Science, Technology, Engineering and Math fields, with a particular focus on the “E” events as engineering isn’t as commonly covered in school curriculums as the other three aspects of STEM.

At the ASHRAE tables, we had two experiments setup for the students to take part in. The first was a drinking straw pressure drop experiment while the second was a spaghetti tower build experiment. For the drinking straw experiment, students were tasked to move a floating ping pong ball from one end of a clear tub of water to the other end by first blowing through an 8” drinking straw. They were then tasked to again move the ping pong ball by blowing through the same drinking straw except with an additional 10’ of poly tubing attached to the end of it. The effect of the additional poly tubing added onto the end of the students’ drinking straws resulted in some rosy cheeks as it required much more effort (i.e. pressure) to overcome the added pressure drop the poly tubing presented and still move the ping pong ball. Nearly all the students agreed that the less pressure drop, the better! For the spaghetti tower build experiment, the students were tasked to build the tallest, stable tower they could using only the spaghetti and a limited amount of tape. We had many dedicated students that spent a considerable amount of time perfecting their tower build.



Andrew Stotz (K-12 Stem Chair)
Supervising The Straw Experiment.



Students Executing a Spaghetti tower



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Chapter Officers and Board of Governors:

Jared Keron – President
jared.keron@trane.com
(614) 507-4377

Hanse Cromer – President Elect
hcromer@steffens-shultz.com
(614) 274-5515

Casey Kapustka - Past President
ckapustka@elitaire.com
(614) 965-1470

Tony DeCrescenzo – Vice President/Honors & Awards
Committee Chair
tdcrescenzo@elitaire.com
(614) 404-8669

Jake Taylor—Treasurer/Regional YEA Chair
jktaylor@heapy.com
(614) 457-2696

Carl Schultz— Secretary - Regional CTTC Vice Chair
carl.schultz@aecom.com
(614) 600-5928

Dave Kern—CTTC Chair
dkern@musun.com
(614) 294-4822

James Gallick—YEA Chair
jagallick@heapy.com
(614) 457-2696

Julia Call—Membership Promotion Chair
JuliaC@aecmep.com
(614) 486-4778

Matt Colvin—Research Promotion Co-Chair
mcolvin@steffens-shultz.com
(614) 274-5515

Jamie Dennis— Grassroots Government Advocacy Chair
jdennis@columbustemp.com
(614) 294-6216

Bob Snow—Electronic Communications Chair
bsnow@osborn-eng.com
(614) 556-4272 (ext. 5013)

Aaron Powell—Research Promotion Co-Chair
Apowell@ketchumandwalton.com
(614)-404-5192

Jim McCabe-Member at-Large
jimcabe9905@yahoo.com
(614) 562-2060

Andrew Stotz—K-12 STEM Champion Chair
andrew_stotz@trane.com
(614) 578-7149

Bryan Cmarich—Student Activities Chair
bryanc@aecmep.com
(614) 486-4778

Carl McMullen – Historian
carlm@mcmulleneng.com
(614) 895-9408

Jim Arnold—Grassroots Government Advocacy Chair/Region
Vice Chair
jim@haslettmechanical.com
(614) 299-2133

Jason Treacy—Member at –Large
jasont@aircontrolproducts.com
(614) 299-1747

Melissa Wilson—Member at-Large
MWilson@Sauer-Inc.com
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