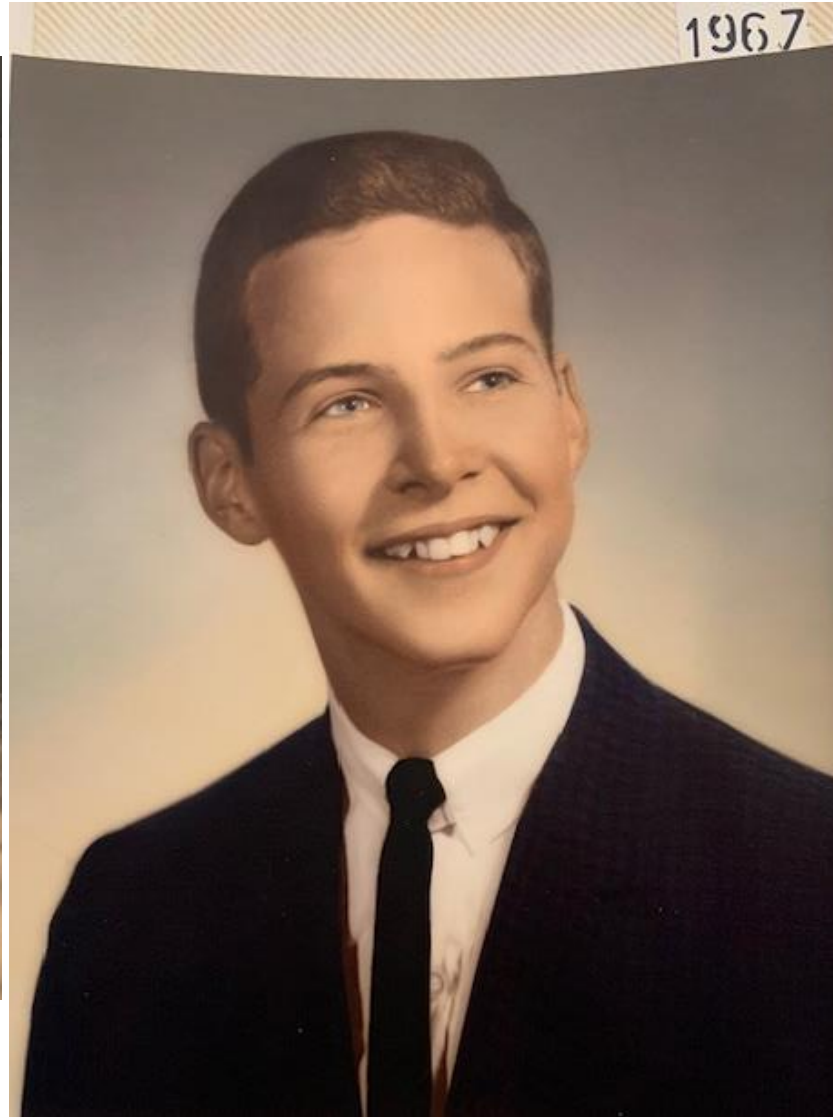


# Honoring the Legacy of Ken C. Hover



THE WORLD'S GATHERING PLACE FOR ADVANCING CONCRETE



# Multi-tasking, Safety & First Contract



DEC. 24, year 1,000 900 + 81

The first person up in the morning  
of Christmas December 25, 1961  
must wake the other person before  
even peeking at the presents  
and may not open them until  
Father and Mother have presented  
themselves awake and in the room  
of living and may get dressed  
before entering the above room.

signed By  
Ken Hoover

DEC. 24, 1961

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# 1953 & 1959



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# Surveying Merit Badge & Troop Registration

UNIT NO. 438 24 998

UNIT NAME: **UNIONVILLE**

TYPE OF UNIT: **BOYS** Local No: **998**

CITY: **UNIONVILLE** State: **OHIO**

DISTRICT: **WALTON** County: **HAMILTON**

EXPIRATION DATE OF UNIT: **2-28-69**

BOYS LIFE SUBSCRIPTION INFORMATION

Number of Subscribers: **46** Complimentary: **0** Total: **46**

Subscription Term: **6** Months: **6** (6)

Expires: **12** First Issue: **9/68** Last Issue: **9/68**

BOY MEMBERSHIP

MEMBER NO.	PLEASE TYPE IN LAST NAME, FIRST NAME, INITIAL, LAST NAME, STREET OR R.F.D., City, Zone, and State	STATUS	AGE	SEX
1	BAKER, RALPH 9700 WOODBURN COLUMBIANA OHIO	RE	13	S
2	BAW, ROLAND 10466 WOODBURN " " " "	RE	15	S
3	BEAVER, BOBBY 10722 WOODBURN " " " "	RE	12	S
4	BEAVER, BOBBY 3831 ALBANY-WILFORD " " " "	RE	14	F
5	BECK, GORDON 5722 WOODBURN " " " "	RE	14	S
6	BECK, CLIFF 11082 WOODBURN " " " "	RE	14	F
7	BECK, GORDON 10224 WOODBURN " " " "	RE	11	T
8	BECK, WALTER 10224 WOODBURN " " " "	RE	13	S
9	BECK, WALTER 4178 BRAY-COLUMBIANA " " " "	RE	12	S
10	BECK, WALTER 4128 WOODBURN " " " "	RE	11	T
11	BECK, WALTER 10628 WOODBURN " " " "	RE	11	T
12	BECK, WALTER 4772 WOODBURN " " " "	RE	12	F
13	BECK, WALTER 10466 WOODBURN " " " "	RE	11	F
14	BECK, WALTER 5719 WOODBURN " " " "	RE	11	T
15	BECK, WALTER 3802 BRAY-COLUMBIANA " " " "	RE	12	F
16	BECK, WALTER 3655 WOODBURN " " " "	RE	13	S
17	BECK, WALTER 10610 WOODBURN " " " "	RE	11	T
18	BECK, WALTER 10477 WOODBURN " " " "	RE	11	T
19	BECK, WALTER 10477 WOODBURN " " " "	RE	11	T
20	BECK, WALTER 10527 WOODBURN " " " "	RE	12	F
21	BECK, WALTER 10519 WOODBURN " " " "	RE	11	F
22	BECK, WALTER 3831 ALBANY-WILFORD " " " "	RE	11	T
23	BECK, WALTER 10475 WOODBURN " " " "	RE	11	T
24	BECK, WALTER 3081 WOODBURN " " " "	RE	15	F
25	BECK, WALTER 10478 WOODBURN " " " "	RE	12	S
26	BECK, WALTER 3810 ALBANY-WILFORD " " " "	RE	12	S
27	BECK, WALTER 3851 ALBANY-WILFORD " " " "	RE	11	T
28	BECK, WALTER 3851 ALBANY-WILFORD " " " "	RE	11	T
29	BECK, WALTER 3851 ALBANY-WILFORD " " " "	RE	11	T
30	BECK, WALTER 10722 WOODBURN " " " "	RE	14	F
31	BECK, WALTER 10522 WOODBURN " " " "	RE	11	T
32	BECK, WALTER 10577 WOODBURN " " " "	RE	14	S
33	BECK, WALTER 10577 WOODBURN " " " "	RE	12	S
34	BECK, WALTER 10761 WOODBURN " " " "	RE	11	T
35	BECK, WALTER 3810 ALBANY-WILFORD " " " "	RE	11	T
36	BECK, WALTER 10525 WOODBURN " " " "	RE	12	T
37	BECK, WALTER 3831 ALBANY-WILFORD " " " "	RE	12	S
38	BECK, WALTER 11155 WOODBURN " " " "	RE	12	T
39	BECK, WALTER 10711 WOODBURN " " " "	RE	12	S
40	BECK, WALTER 10502 WOODBURN " " " "	RE	12	F

UNIT LEADER: **GERALD C. BEYER** Street or R.F.D.: **10477 WOODBURN** City: **UNIONVILLE** Zone: **OHIO**

WARRANT CHECK

Is this unit opening?  YES  NO

Is this unit opening?  YES  NO

on the budget plan?  YES  NO



THE WORLD'S GATHERING PLACE FOR ADVANCING CONCRETE



# Education

## University of Cincinnati 1968 and Today



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# Hamilton County Justice System & One Lytle Place



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## Constructing an Affirmative Safety Culture in Educational and Research Laboratories

Part 2 of a two-part series

by Kenneth C. Hover and Michael J. Schneider

Part 1 of this series discussed safety hazards and responses in civil engineering and construction management laboratories.<sup>1</sup> Meeting our responsibility to protect students in academic teaching and research laboratories also provides the opportunity to instill habits and attitudes about safety that students can carry to the professional workplace. We teach students how to solve technical problems in the design office and on the jobsite, and we should likewise teach them to recognize risks and hazards and how to take steps to protect themselves<sup>2</sup> and the people for whom they will soon be responsible. We know that our students want to be successful and make positive contributions to society. Herein, we explore why and how the academic community may make progress toward these goals.

### Culturing Safety

Fatalities and serious injuries in university laboratories (and the ensuing legal actions) have demonstrated the need to radically change academia's approach to laboratory safety from what we call "rule-and-reminder-based programs" to changing "the way faculty, staff, and students work and think."<sup>3</sup> The incidents that precipitated this concern are discussed in multiple landmark documents calling for safer

"Many of us crave adventure and challenge. Many of us want to "live on the edge" and "walk on the wild side," and some are drawn to "extreme" sports, hobbies, and careers where personal risk is unavoidable. But regardless of the pursuit, the goal every day is to come home from the job or activity with all body parts intact.

academic laboratories, including those prepared by the American Chemical Society (ACS),<sup>4</sup> the National Research Council (NRC),<sup>5</sup> and the Association of Public and Land-Grant Universities (APLU).<sup>6</sup> Among what NRC calls a "broad range of responses" in academia is Stanford's comprehensive review and recommendation to create "a culture where our scientists don't think about safety as a compliance issue or a set of guidelines distinct from their research activities, but as a fundamental value embedded in everything they do."<sup>7</sup> Stanford's strategic safety plan calls for moving "away from an era when safety was important but adjunct to missions, goals, or objectives and toward safety and environmental protection being integrated into all processes."<sup>8</sup>

A central theme of the cited reports (and the subject of a rapidly growing literature) is the need to establish a "safety culture," a term that has seen increasing use since it was introduced to the nuclear power industry after the Chernobyl disaster in 1986.<sup>9</sup> The need for an effective "safety culture" in the nonnuclear, industrial context was identified by the U.S. Occupational Safety and Health Administration (OSHA) in 1989 and updated in 2015.<sup>10</sup> In popular usage, the term "safety culture" has achieved buzzword status, resulting in vague interpretations. But more specifically, the U.S. Nuclear Regulatory Commission (USNRC) defines "safety culture" as "an organization's collective commitment, by leaders and individuals, to emphasize safety as an overriding priority to competing goals and other considerations to ensure protection of people and the environment."<sup>11</sup> Sorenson<sup>12</sup> and Hudson<sup>13</sup> contend, however, that the word "culture" merely applies to

## Safety in Educational and Research Laboratories: Seizing the Opportunity

Administrators, faculty, staff, and students must recognize that teaching and research laboratories are fundamentally construction sites

by Kenneth C. Hover and Michael J. Schneider

Laboratory experiences are exciting and valuable components in the education of design and construction professionals, and they are essential for research that advances science and industry. Students look forward to lab work and well-planned projects, and experiments can be productive learning opportunities and great team-building exercises. But instructional and research labs in concrete materials and structural behavior present the same safety hazards as a typical construction site. Although lab work may be at a smaller scale, scale does not matter when there is a personal injury to an individual student or researcher.

Recognizing the industrial reality of safety hazards in our college and university labs focuses our responsibility to protect all persons working, observing, or just "passing through" those labs. Such recognition also provides a golden opportunity to use our lab experiences to teach professional, industrial-level safety philosophy and procedures with the goal of enabling our students to walk out of our labs and onto any construction site or fabrication shop prepared to identify hazards and able to protect themselves and others. Just as higher education prepares graduates for lifelong learning, our lab curricula can implant lifelong safety habits and a personal safety culture.

### Nature of the Hazards

In almost all colleges and universities, well-established safety programs govern the use and disposal of hazardous materials in chemistry labs and safe operations in machine shops. However, few campus-safety guidelines truly embrace the full range of activities common in civil engineering labs, where the day-to-day activities can represent the full spectrum of safety challenges found on a typical construction site.

The challenges begin with the safe storage of cementitious

materials,<sup>1</sup> admixtures, aggregates, form-release agents, and curing compounds (not all of which are clearly identified in campus chemical-safety procedures). During mixing of concrete, dust and fine particles may pose an inhalation hazard.<sup>2</sup> Addition of water triggers formation of calcium hydroxide and with it an increase in pH that can cause "first, second, and third-degree chemical burns."<sup>3</sup> The OSHA pocket manual for concrete manufacture<sup>4</sup> (a valuable reference for faculty and staff) therefore recommends wearing alkali-resistant gloves, coveralls with long sleeves and full-length pants, waterproof boots, and eye protection when working with concrete. PCA's guidelines<sup>5</sup> for working safely with concrete include recommendations to always wear hard hats, eye protection, waterproof gloves, and rubber boots high enough to prevent concrete from getting into them. (Given that students often equate lab wear with beach wear, complete with shorts, tank tops, and flip-flops or sandals, a strictly enforced laboratory dress code is essential to student safety, with the tone set by supervising faculty and staff.)

Most university policies stop short of requiring work boots, in favor of "closed-toe, substantial shoes." But even with commonly worn sneakers coupled with long pants, socks are required to protect exposed skin at the ankles. Work boots are the safest solution, and even expensive boots are cheaper than textbooks and way cheaper than a smashed toe. In setting policy, consider the fact that anything that can be lifted or carried can be dropped, and anything that can be dropped can hit a foot or toe.

Concrete and mortar mixers are common in college labs. As with any mechanical equipment, the moving parts create major hazards for users—even a small benchtop mixer with a planetary paddle can sever a finger. Contact with fresh concrete may cause skin or eye damage, and inhalation of the



# Greater Miami Valley Chapter Program Flyer

INVITES YOU AND GUESTS TO ATTEND:

## SCALING CONCRETE WHY & WHO

Wednesday - October 31, 1979

Windjammer

11330 Chester Road  
near Sharon Rd. & I-75  
Sharonville, Ohio  
(Sharon Rd Exit)

Reservations by phone:

Cincinnati ..... 761-7806  
(Reading Central Mixed Concrete, Inc.)

Dayton ..... 435-3194  
(Ash Management)

Please call before October 26th.

We must guarantee buffet.

If you wish to pay for dinner reservations by check, make checks payable to: AMERICAN CONCRETE INSTITUTE.

## PROGRAM

Board Meeting ..... 4:30 pm  
Social Hour ..... 5:30 pm  
Drinks ..... cash bar  
Banquet Dinner..\$12.00 with reservations  
Presentation ..... 7:00 pm

Mr. James Stremanos  
Chief Investigator, Ohio Attorney  
General's Office, Consumer Fraud

Dr. Donald Campbell  
Senior Research Analyst  
Portland Cement Assoc., Skokie, Ill.

Mr. Daniel Baker  
President, Baker Cement Contr, Inc.

Mr. Michael Schneider  
Operation Manager, Baker Cement  
Contractors, Inc.

Mr. Richard Hird, P.E.  
A.M. Kinney, Architects and Engineers  
Cincinnati, Ohio

Mr. Ken Hover, P.E.  
Tallarico, Hoefel & Partners  
Cincinnati, Ohio

Scaling concrete is everyone's problem. It has to be understood and corrected. The Ohio Attorney General's Office has received an alarming amount of complaints and therefore is investigating the problem. Mr. James Stremanos will update us on action taken by the Ohio Attorney General's Office since his last visit in April, 1978.

There are about five qualified testing laboratories in the United States equipped to perform total petrographic analysis of hardened concrete specimens. The PCA laboratory in Skokie, Illinois is one of these laboratories. Dr. Donald Campbell

will show us what is required to analysis concrete specimens and inform us about the mechanics or causes of scaling concrete. Unacceptable finishing practices, low quality concrete, compressive strength, air entrainment system and materials used can be detected in the analysis.

Mr. Daniel Baker and Mr. Michael Schnieder will discuss the problems a finisher encounters placing and finishing different concrete mixes. Some specifications can induce finishing problems that relate to scaling concrete! Dan and Mike will present problems they have encountered and suggest to designers and specifiers improved methods.

A. M. Kinney is involved with concrete construction all over the United States. Mr. Richard Hird will talk about inspection & specifications designed to reduce problems associated with scaling.

T.H.P. has been involved in many scaling problems and deterioration of parking garage slabs and other concrete structures. Ken will briefly indicate their findings and provide insights to this scaling problem, such as inspection and quality.

### "SPECIAL FEATURE"

Each attendee will have the opportunity to microscopically examine hardened concrete specimens and see the air entrained in the concrete, - etc - - -

be there!

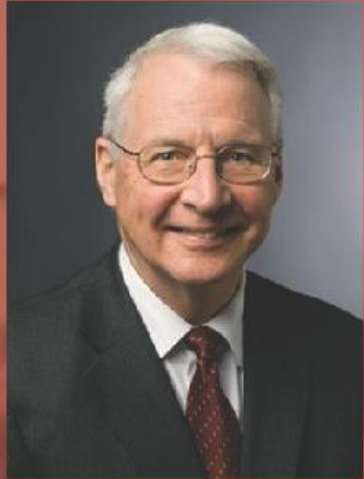


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# Ken Hover Fellowship

## HELP BUILD THE FUTURE DONATE TO THE KENNETH C. HOVER HONORARY FELLOWSHIP



Honor Ken Hover and make an impact on the industry by contributing to the newly created Kenneth C. Hover Fellowship. By donating, you will help deserving students studying for a concrete-related degree complete their concrete education and put them on the path to leadership and engagement in the concrete industry.

Ken's educational, communication, research, and consulting activities have positively influenced several thousands of individuals in the concrete industry community and enhanced our knowledge about concrete. With \$50,000 in seed funding from two generous donors, the ACI Foundation created the Kenneth C. Hover Fellowship. The ACI Foundation is seeking additional donations to extend this fellowship indefinitely to award students annually for years to come.

Make a difference in the lives of the students and in the future of our industry. Student awardees will receive a \$10,000 educational stipend, expenses to attend three ACI conventions, an opportunity for an industry mentor, and recognition in Concrete International and on social media.



### CONTRIBUTE TODAY



THE WORLD'S GATHERING PLACE FOR ADVANCING CONCRETE



TELEPHONE: 313-532-2600

american concrete institute

BOX 19150  
12400 WEST SEVEN MILE ROAD  
DETROIT, MICHIGAN 48219

February 11, 1982

Mr. Kenneth C. Hover  
125 Muriel Street  
Ithaca NY 14850

Dear Mr. Hover:

It is my pleasure to advise that the American Concrete Institute is awarding you the Harry F. Thomson scholarship for your Civil and Environmental Engineering Ph.D. program during the 1982-1983 academic year at Cornell University.

From the applications received, your qualifications have been judged as those which indicate the highest potential for making the most significant contributions to the concrete profession.

A \$2000 check will be issued by American Concrete Institute to the business office at Cornell University. To ensure that your account with the University is properly credited, the check will require both your endorsement and the endorsement of the appropriate university official.

It is also my pleasure to announce that you have been awarded a complimentary membership commencing in September 1982 until December 1983.

The American Concrete Institute congratulates you for this and your other accomplishments and looks forward to a continuing association throughout your professional career.

Yours truly,

George F. Leyh  
Executive Director

GFL:jj

Enclosure: Complimentary Membership

Copy to Faculty Advisors

*progress through knowledge*

