


# The Annual Giving & Achievement Report

for the Case Alumni Association  
2014 - 2015



////////// imagine • invest • impact //////////





**On the cover:** A CWRU Baja SAE team member welds a piece of their car's metal frame in the Bingham machine shop. The team had a stand-out year and competed in all three U.S. competitions for the first time in its history. Read more about the team on pages 12-13.

*"We are in the business of creating things that are entirely new. Maybe it's a new sensor, a new control system, a new way to store energy, a new diagnostic tool for disease or a better way to disseminate information to a new generation. We are in the business of the creation of new knowledge, of innovation, of entrepreneurship. We all remember those 'Aha' moments where a concept clicked. We are all moment-makers. We are all leaders."*

~ Jeffrey Duerk PhD '87  
Dean of the Case School of Engineering



## 2015: The Year of Innovation

Looking back on the past year at the Case Alumni Association, the Case School of Engineering, and the applied science and mathematics programs of the College of Arts & Sciences, we're reminded that 2015 – the 130th birthday of the Case Alumni Association – truly lived up to the name **"The Year of Innovation."**

As you'll see in the following pages of our **Annual Giving and Achievement Report**, innovative endeavors have continued to thrive on campus and across the alumni network over the last year. Whether it's in the labs, where faculty and students continue to test and invent; in the scholarship program, where past and current recipients find comradery in shared passions; or through our giving campaigns, which provide our campus community with the space and support to do what they do best, we have worked together to make countless moments of discovery possible.

We think you'll agree that innovation at Case Western Reserve University doesn't begin or end in 2015 – rather, it's a mindset that draws on the strong foundation of the past and the bright hope of the future. It's because of **your support** in the 2014-2015 fiscal year that we can continue to make these moments possible. **Your gift** serves as a vote of confidence in our community. **Your leadership** sets the bar for each of our alumni.

On behalf of the students, faculty and administration at Case Western Reserve, **thank you** for leading the way with your support. We invite you to learn more about the university or any of the programs in this report at [www.casealum.org](http://www.casealum.org), or by visiting us on campus.



Stephen J. Zinram, CFRE  
*Executive Director,*  
Case Alumni Association



Jeffrey L. Duerk, PhD '87  
*Dean & Leonard Case, Jr.*  
*Professor of Engineering,*  
Case School of Engineering



Cyrus Taylor  
*Dean & Albert A. Michelson*  
*Professor in Physics,*  
College of Arts & Sciences



# Case Dean's Society®

The Case Dean's Society – created in 1992 to honor the founding of the Case School of Engineering – recognizes annual gifts made at the leadership level. The levels of the Case Dean's Society are named for the founder and the first four presidents of the Case School of Applied Science and the Case Institute of Technology.

Gifts made at the Case Dean's Society level extend the promise of a Case education to the next generation of leaders. Thank you to the alumni and friends whose leadership gifts support current students, faculty and campus resources.

## LEONARD CASE SOCIETY (\$10,000 and above)

*Leonard Case, Jr. left \$1,250,000 specified for the founding of "the Case School of Applied Science" in Cleveland. He designated mathematics, physics, mechanical and civil engineering, economic geology, mining and metallurgy, natural history, drawing and modern languages as subjects to be taught. The school's first term began on Sept. 15, 1881, with twelve students.*

Brenda A. and Robert M. Aiken '52  
Thomas E. Baker '64, MS '66, PhD '68  
L. David Baldwin '49  
Harihara Baskaran  
Dr. and Mrs. James F. Bastian  
George Baum '54  
John M. Cazier '50  
Tien-Li Chia MS '82, PhD '85  
Christine and Bruce Clegg '61, MS '64  
Michael J. Coyle '83  
Cloud L. Cray, Jr. '43  
Metka S. Daly '91 and  
John F. X. Daly '89, MS '91  
Lee DiGeronimo  
Bart A. DiLiddo PhD '60  
William R. Feth '68  
Warren C. Gibson '65, MS '69, PhD '71  
Benedict A. Gomes '90  
Michael G. Gundzik '59  
Jeffrey R. Guy  
Chang-Chaio Han PhD '84  
Lee A. Huff '61  
Jan Husband  
Carl T. Jagatich '70, MS '73  
William M. James '64  
Elizabeth R. Koch  
Kentland A. Krause '59  
Gayle G. and Edward F. Labuda '59  
Kathleen M. Lasch '80 and James E. Lasch '79  
Jerry Liang MS '67  
Jeen-Long Liao MS '84  
Jocelyne K. and Frank N. Linsalata '63  
Elizabeth R. and Joseph M. Mandato MBA '04

Gheorghe D. Mateescu PhD '71  
Timothy McDonel '55, MS '57  
G. Mac R. McNichols '65  
Paula A. McNichols '65  
Stanley V. Michota '56  
Stephen M. Mihaly '56  
Douglas W. Nock '62  
Joanna Overbaugh  
Barbara A. and Walter E. Pavlick '56  
Jack Phillips '55  
Charles H. Phipps '49  
Carl E. Podwoski '61  
Frank Rausche PhD '70  
Barry A. Romich III '67  
Robert A. Roth '42, MS '49  
Adel S. Saada  
Dorrit and Grant Saviers '66, MS '68  
Joel Schwartz '64, MS '66  
Sally Zlotnick Sears '72 and Larry Sears '69  
William E. Sebesta '42  
Meredith M. Seikel  
Oliver E. Seikel  
Thomas W. Seitz '70  
Clinton E. Silverman '69  
Claudia Silverman  
Thomas A. Tribone '74  
Robert A. Tschannen '50  
John O. Tucker '49  
Sue Umbenhour  
Roderick J. Warren '77  
The Estate of Wayne E. Zahn '49  
Michael G. Zink '81

## CADY STALEY CLUB (\$7,500 - \$9,999)

*Dr. Cady Staley was selected as the first president of Case School of Applied Science on July 3, 1886, after serving as dean of Union College. He came to a six-year-old institution that offered degrees in three courses, staffed by eight professors for the instruction of 42 students.*

Robert R. Mantz '59  
Robert F. Savinell  
James R. Venner '65  
Cung K. Vu '79  
James E. Wilson '85

## WILLIAM E. WICKENDEN CLUB (\$2,500 - \$4,999)

*William Wickenden became president in September 1929. Enrollment had risen to 812 men in 1930 but fell to 678 by 1936 before it took an upward swing. President Wickenden placed great emphasis upon student activities and a well-rounded academic program. He often stated that an engineer should be just as much at home in a tuxedo as in overalls.*

Jon L. Bartos '65  
Joseph A. Buccilli '79, MS '83  
Brice Carnahan '55  
John R. Conant  
Mark H. Costin PhD '84  
Alexander Cucci Luck '16  
Carl I. Delaune '68

## CHARLES S. HOWE CLUB (\$5,000 - \$7,499)

*Charles S. Howe was appointed acting president in June 1902 and made president in 1903. As Howe came into contact with older Case alumni, he realized increasingly that some great potential abilities were being handicapped by inadequacies in speech and writing. It was President Howe who made English courses obligatory for all students.*

Anonymous (1)  
**Anonymous (1)**  
Charles Bear '99, MSE '99  
Robert E. Busch '68  
Mark A. Coblitz '69  
Raymond D. Daniels '50, MS '53, PhD '58  
John C. Dannemiller, Jr. '60  
Thomas C. Esselman '68  
Leonard G. Feinstein  
Joseph M. Gingo '66  
Deena Y. Gordon  
Sue and Peter H. Hanley '63  
Siegfried S. Hecker '65  
Ka-Pi Hoh '84, MS '87, PhD '89 and  
Brian C. Perry MS '85, PhD '88

Linnea Sheppard MBA '85 and  
Randall W. Holt MS '89, PhD '93  
Mark A. Humphrey '74  
Jennie S. Hwang PhD '76  
Stewart A. Kelly '86  
James T. Kelly '67  
William G. Kieffer '63  
Dellburt K. Kitzel '64  
Albert M. P. Leung '74, MS '77, PhD '81  
Chung Chiun Liu PhD '68  
William Todd Martin '96, MS '98  
John V. Martonchik '64  
Nancy S. and Anthony D. Oliverio '55  
William H. Powell MS '70  
A. C. Price '54  
Gayle A. and William A. Schimming '64  
Aron L. Shapiro '58  
Thomas H. Speeter PhD '87  
**George L. Spencer MS '63, PhD '66**  
Stephen S. Stack '56  
Kurt W. Swogger '72  
Nicholas M. Trivisonno '50, MS '55, PhD '58  
Robert E. Vidal '51  
Charlie S. Williams '74  
Chuen Wong PhD '67  
Doris Wong MD '64  
**Gong-Jong Yeh MS '84, PhD '87**  
**Khosrow K. Zamani '66**  
Thomas M. Zwitter '64, MS '66, PhD '70

Alex C. Derbes '00  
George R. DeVeny '65  
Laura J. Flanagan '90  
Stephen A. Fossi '78  
Elizabeth Gaetjens  
Skip A. Giddings '46  
Rob A. Gingell, Jr. '77  
Barry E. Griffiths PhD '83  
Frederick P. Herke, Jr. '54  
Jeffrey O. Herzog '79  
John J. Hetzer, Jr. '93  
John E. Hewlett '61  
Claude E. Hirsch, Jr. '52  
David P. Hunt '63, MBA '68  
Jonathan J. Klement MS '67, PhD '70  
John R. Kovats '61  
Harry H. Landon, Jr. '44, MS '49  
Kenneth A. Loparo PhD '77  
Eugene Lozyniak '79  
E. Ted Mann '45  
James S. Marpe '68  
Edward P. McHenry '67, MBA '71

Paul F. Medvec '86  
David S. Miller '72, MS '73  
Edward G. Morgan, Jr. '63  
John S. Mosser '50  
Francis W. Neville '48  
William A. Oran '63, PhD '68  
Estate of Robert B. Park '00  
Bhaskar M. Patel  
Dale C. Phillip '61  
Stephen J. Ratcliff '81  
James A. Reilly '39  
David Roberts '70, MS '72, PhD '74  
Mr. and Mrs. Munjal Sanghavi  
Paul Stephan '64  
Robert B. Strother, Jr. '73  
Robert S. Tamaru '77  
Clyde K. Walter '64  
Gerald L. Wasserman '76  
**Robert K. Wehrle '64**  
Janice R. Zahn '93, MS '94  
Eric A. Zahn '93, MS '94  
Donald A. Zito '62

**T. KEITH GLENNAN CLUB**  
**(\$1,000 - \$2,499)**

*T. Keith Glennan was named president as the Case School of Applied Science became the Case Institute of Technology in 1947. He is credited with the national expansion of Case. During his tenure as president, Glennan was named as the first administrator of the National Aeronautics and Space Administration (NASA) while also serving on the Atomic Energy Commission from 1950 – 1952.*

Anonymous (2)  
 Ali H. Ahmed '95  
 Julie L. Ames '85  
 Frederic J. Anders, Jr. '50, MS '52, PhD '56  
 Thomas J. Andersen '70  
 Robert M. Archer '57  
 Christine A. Ash FSM '72, MGT '81  
 Bruce M. Back '64  
 Rudolph A. Baker '57  
 Lionel V. Baldwin PhD '59  
 Donald M. Ballard '78, MS '79  
 Jeffrey K. Barkehanai '90  
 J. Donald Beasley PhD '67  
 David A. Bebkow '63  
 John B. Beurket '56  
 Kenneth Biba '72, MS '74  
 Kurt A. Biery '85  
 Paul L. Bondor '63, MS '66, PhD '69  
 Sally and Walter K. Bonsack '54  
 Jeffrey A. Borrer '72  
**Michael S. Branicky '87, MS '90**  
 James B. Breckinridge '61  
 Carol and Thomas K. Brichford '55  
**Lisa M. and Scott P. Bruder PhD '90**  
 James P. Buchwald '54  
 Alan R. Burkart '52  
 Michael F. Caputo '84  
 Dale A. Carson '89  
 Ron J. Cass '84  
 Roger H. Cerne '63  
 Sarah Chang  
 Vincent Chang  
 Leo L. Cifelli '52  
**Thomas Conlon**  
 Elaine R. and David J. Cook '50

Scott M. Cooper '95  
 Patrick E. Crago MS '70, PhD '74  
 Robert T. Craig MS '53  
 Robert E. Criss '73  
 Di Cross '04 and Matthew Cross '05, MS '07  
 Scott R. Culler MS '82, PhD '85  
 Walter J. Culver MS '62, PhD '64  
 Anne E. Cunningham  
 Raymond A. Day '51  
 Philip V. DeSantis '64, MS '66, PhD '70  
 Mr. and Mrs. Michael H. Diamant '68  
 Norman F. Diederich '64, MS '66, PhD '70  
 Mark R. Dimaline MS '96  
 Michael Dolsak  
 Mr. and Mrs. John R. Donnell, Jr. '62  
 James H. Doubrava MS '72  
 Wade C. Driscoll PhD '75  
 Daniel Ducoff  
 Jeffrey L. Duerk PhD '87  
 Lawrence T. Dues '93, MS '95  
 Laura L. Dues MS '97  
 Francis M. Dunlevey '69, MS '72, PhD '74  
**Hillary C. Emer '07, MSE '07**  
 Larry L. Enterline '74  
 Ann Farmer FSM '62, NUR '63, NUR '81 and  
   Harry L. Farmer '55, MS '65  
 Neil B. Feldman '77  
 Robert M. Ferencz '79, MS '81  
 Clayton L. Ferguson '93, MS '95  
 John R. Ferma '75  
 John F. Finch '57  
 Ram A. Fish '95, MS '95  
 Archibald E. Fletcher '54  
 Allen H. Ford MS '64  
**Mark S. Friske '85**  
 Robert J. Fulop '57  
 Raymond T. Garea '71  
 Richard A. Gaspar '62  
 John M. Gilligan MS '76  
 David A. Giltinan '59, MS '63, PhD '68  
 James E. Glover '63  
 Donald J. Goddard '86  
 Robert W. Graham '48  
 Allen H. Gutheim '67  
 John G. Haessly '63  
 Stephen J. Hasbrouck '62  
 George N. Havens '49  
 Judith A. and Erwin R. Hittel '58

Jeffrey H. Hoel MS '71, PhD '73  
 Henry W. Hopeman '68  
 Elaine and Edward M. Hudimac '57  
 Frank Ilcin '61  
**Michael J. Kane '96, MS '97**  
 Judy L. and David Kaufman '76  
 Thomas P. Kicher '59, MS '62, PhD '65  
 James D. Kilmer '00, MSE '00  
 Harrison Kim '97  
 Jochen E. Kindling '65  
 Roddy King '68  
 Bruce F. Kinsel '60  
**Carolyn B. and Jerry L. Kisner '65**  
 Kenneth L. Klika MS '90  
 Daniel J. Kovalik '76  
 Erik P. Kristoffersen '76  
 Norman R. Kuchar '61, MS '65, PhD '68  
 Rudolph W. Kugler '45  
 Hung-I Kuo MSE '99, PhD '52  
 Peter J. Kusky '95, MS '96  
 Cassie L. Laasch-Hand '95  
 Matthew K. Lashutka '94  
 Chun Hon Lau  
 Arthur P. Leary '44, MS '51  
**Brian M. Lettiere '95**  
 Alexander K. Letwin '15  
 Bruce G. Letwin  
 Don W. Liechty '56  
 Garland E. Likins, Jr. '71  
 Ta-Schyong Lin MS '71, MS '73  
 Marjorie Lind  
 Yin-Chang Liu MS '76, PhD '83  
**Susan and Bruce Loessin**  
 Kenneth R. Lutchen MS '80, PhD '83  
 Artur Mager MS '51  
 Lawrence B. Mattson '57  
 Jack E. Maxwell '49  
 Ronald A. McGimpsey '66, MS '74  
 Lois Mae and John W. McKeever '60  
 Frank L. Merat '72, MS '75, PhD '78  
 William G. Messenger '82  
 George A. Metzenthin '92  
 Surajkumar G. Mhatre MS '95, PhD '97  
 Frederick J. Milford '49  
 Ronald E. Miller '69  
 Michael K. Moe MS '61, PhD '65  
 Dieter Moeller '88  
 Stuart B. Morgan '03, MS '04

Jack K. Mowry '54  
 James S. Murday '64  
 Kent J. Nee '88  
 David V. Neff '64, MS '68, PhD '71  
 Karl E. Newkirk '63  
 John M. Oblak '62, MS '64, PhD '67  
**Dave W. Ohl '56**  
 Philip G. Osborn '60  
 Raymond M. Paciorek '63  
 Gerald L. Palagallo '65  
 Carl F. Panek '68  
 Ralph M. Papa '66  
 David L. Parham '67  
 Edward M. Pflueger '59  
 John V. Pietras '76  
 Wayne L. Podell '66, MS '72  
 Sandra H. and Capers H. Poulnot  
 William E. Pritts II '61  
 Charles E. Radke '55, MS '63, PhD '64  
 Linda C. Rae MS '90  
 Bruce H. Raimy '63  
 Charles W. Rainger '55  
 Mark G. Reichmann '81  
 Donald T. Reilly MD, PhD '74  
 Carl R. Reischer  
 Karen Restaino  
 Richard C. Riccardi '69  
 Clare Rimnac  
**Arch D. Robison '84**  
 Joseph M. Ross '57, MS '62  
 Steven P. Ruden '80  
 John H. Rusch '45  
 Joan M. and Robert P. Sabin, Sr. '69  
 James R. Sadowski '63, MS '67  
 Roger Saillant  
 Barry J. Sands '61  
 Neal V. Sangree '66  
 Laurence R. Saslaw '63  
 Paul M. Schaible MS '61  
 Bruce W. Schober '79  
 John E. Schurr '57  
 David E. Schwab '62  
 Marvin S. Schwartz '68, PhD '73  
 Antonio L. Scinicariello '00  
 Andrew A. Scotchie '54  
 Christopher E. Scott '85, MS '86  
 James A. Sears '55  
 Thomas W. Seith '62

Robert R. Sepsy '75  
 William A. Shannon '78, MS '81  
 Robert C. Sidley '55  
 Richard F. Sigal '65  
 Elizabeth J. and Eugene F. Skerl '51  
 Richard A. Skinner '57  
**James A. Slavin '76**  
 Craig R. Smith '45  
 Laszlo Sogor '66, PhD '71, MD '78  
 Sharon A. Soltesz '87, MS '89  
 Rajagopal Srinivasan '93  
 Delmar O. Stanley MS '65, PhD '67  
 Leslie W. Steele '44, MS '48  
 Edward A. Steigerwald '52, MS '53, PhD '59  
 Kenneth F. Stianche '68  
 Ralph V. Straubs '76, MS '79  
 Harold H. Stroebel '50  
 James W. Summers MS '66, PhD '71  
 Angus M. Taggart '88, MS '90  
 Toshio Takahashi MS '92  
 John J. Tanis '49  
 Edward J. Tatman '71  
 Tzu C. Teng MS '72  
**William A. Tomazic '52, MS '57**  
 Linda Turk Sokalski  
 G. Keith Turnbull '57, MS '59, PhD '62  
 Peter D. Van Dine '67  
 Robert W. Van Orsdel '50  
 Mike P. Vasilakes '51  
 Gerald S. Vortal '73  
 Joseph S. Viland '59  
 Mabel B. and T. Urling Walker '51  
 Thomas E. Wallin '69  
 Russell J. Warren '60  
 Evelyn Weiss '76  
 Robert I. Wenig '82  
 Mr. and Mrs. Roger K. West  
 E. Carlo White '73  
 Carole T. and Robert G.  
   Wilhelm, Jr. '66, MS '68  
 Esther S. and Myron F. Wilson '47  
**Jared J. Wolff '05**  
 Mark A. Wollen '80, MS '82  
 Richard P. Woodard '77  
 Nicholas J. Yoke MS '88  
 Neal S. Zislin MS '80

**KEY**  
**Names in boldface** indicate first time members of the Case Dean's Society



# Support for Scholarships

## FAST FACTS

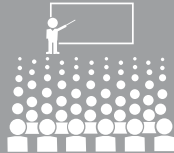
The Case Alumni Foundation has



**171** ENDOWED SCHOLARSHIP FUNDS

that help to support the Junior-Senior Scholarship program. Grants from these endowed funds have supported Case students since 1973.

In fiscal year 2014-2015, this legacy of support from endowed funds and annual giving continued;



**458 students** received scholarships, totaling **\$1,128,804** in total scholarship support.



With our **seven endowed fellowship funds**, we awarded **six fellowship awards** for graduate students, totaling **\$229,900**.

**Thank you** for making a difference in these students' lives.



*"As a recent scholarship recipient, I am happy to say that the Junior-Senior Scholarship process was one of my most gratifying and memorable experiences with this university. I now consider myself not only a student, but also a part of the network of support graciously provided by the Case Alumni Association. I hope to one day return to campus to aid in the futures of passionate undergraduates, as well as to show my appreciation to the Case Alumni Association for instilling confidence in me as a student."*

~ **Khailing Neoh '16**  
Chemical Engineering



*"This scholarship helps to show me that the university and its alumni care about my education. It rewards the hard work I have done and will continue to do. Now that my younger brother is entering college in the fall, our family's finances will be split between two universities. This scholarship will alleviate our financial burden, minimizing the amount of loans I need for next year. I thank all of the alumni for their support of my education."*

~ **Drew Mitchell '17**  
Computer Science



*"I hope to one day return to campus to aid in the futures of passionate undergraduates"*

*"This scholarship helps to show me that the university and its alumni care about my education"*

*New and returning scholarship recipients celebrated with members of the Case Alumni Association Board of Directors and university staff at a reception on March 26, 2015.*



## Giving Back

### **Curtis Grant '11, MEM '12**

#### **Independent IT/Software Consultant for the Eaton Corporation**

*A former Junior-Senior Scholarship recipient, Curtis joined the scholarship committee at the Case Alumni Association in 2015 to interview student candidates. After the experience, Curtis accepted an offer to join the Case Alumni Association Board as one of its directors.*

**A personal connection to Case:** “As a high school student, I was exploring a variety of schools and spent some time visiting Case Western Reserve University with a few students. Honestly, the visit really didn’t stand out as exceptional. After a few hours, I called my mother to let her know I would be heading home. Being a wise woman, she promptly called the Case Alumni Association to relay her concern that I was not ‘wowed’ by my visit. My maternal grandfather had graduated from the Case Institute of Technology with a degree in chemical engineering after serving in World War II. My mother saw first-hand what Case meant to her father and the lifelong bonds that he developed there, and she wanted to make sure I gave more than a passing glance to Case Western Reserve.

“My visit happened to coincide with the Athletic Hall of Fame induction ceremony that year. Case Alumni Association development officer Paul Stephan ‘64 was in attendance and had heard I wasn’t sold, so he immediately left the black tie ceremony to pick me up on the other side of campus – *in my sweatshirt and jeans* – to attend the induction ceremony! When we arrived at the Veale Center, Paul ushered me to one of the tables near the front to sit with a group of Case alumni and induction honorees. Through Paul’s generosity and the comradery I experienced that night, I knew Case was the academic environment I wanted to join.”

**On his experience as a scholarship recipient:** “It was my first foray into a group interview environment. I spent a significant amount of time preparing for the interview – everything from the attire to answering mock questions. When I’ve interviewed for positions in the eight years since receiving the scholarship, I calm myself by thinking back to my younger self sitting in front of the Case Alumni Association scholarship committee.”

**Giving back as a scholarship committee and board member:** “I wanted to give current students the same thing Paul Stephan gave me nearly a decade ago – a chance to see the warmth, generosity and comradery of the Case network, to see the multitude of distinct and diverse opportunities that await them on their four-year journey through the university. Students need to understand where a degree from Case can take them and what opportunities are on the other side of a degree beyond a paycheck. This alumni/student understanding is only facilitated through a strong alumni association and university ties – I am happy to say that I have yet to see one stronger than the Case Alumni Association and Case Western Reserve University.”





## Looking Forward

*A new scholarship recipient reflects on how opportunities like those provided by the Junior-Senior Scholarship program have made an impact on his life.*

### **Quentin Baker '17, Mechanical Engineering Ann and Alfred "Bud" '37 Body Scholarship Recipient**

**What made you decide to major in engineering?** "I come from generations of hard-working mechanics and technicians who pride themselves on their ability to come up with solutions by using a little elbow grease. My grandfather was no exception; he worked for decades as both a mechanic and a car-man for the railroad. I wanted to be him when I grew up because he could fix anything – I even broke my toys in the hope that he would show me how to fix them. It's because of his and my family's hard work that I became the first person in my family to go away and study at a university. Since I couldn't major in "Being Dave Baker" (my grandfather), I chose to major in mechanical engineering because it not only compliments my obsession with how things work, it also teaches me to create a solution to a problem in a way that was never done before."

**You received a Junior-Senior Scholarship this year; how did you feel going through the scholarship interview process?** "Interviewing for the scholarship marked the moment I realized I have something to offer the Case community. I almost didn't submit the application at all – I saw the number of applicants, and I felt I had nothing to offer the panel of interviewers that some other applicant couldn't. However, the interviewers were actually interested in getting to know me as a person, instead of just considering me another applicant. When our time was up, I felt they wished they had more time to get to know me. They raised questions I had never been asked before, and in doing so, I learned a few things about myself, too."

**How did receiving the scholarship change your experience at Case?** "Not only did it lift a financial burden off my family and me, it has allowed me to focus more on school work and personal engineering projects. Most importantly, receiving the scholarship has given me the motivation I need to make sure I am one day in a position to provide for the remainder of my family's next generation, and to ensure they have the resources they need to succeed in school."

**What are your career plans after graduation?** "Case has sparked so many interests and opportunities for me, such as the chance to collaborate with a group of peers to develop a clean energy solution to power cell phones for individuals in developing countries. I'd love to help engineer solutions to optimize manufacturing processes, so maybe a career where I get to work with industrial machinery would be a good fit. Then again, I've become fascinated with how combustion engines work, so maybe a career where I can help increase the efficiency of engines and decrease our dependence on fossil fuels would be a good career. No matter where my career begins, my final goal is to become an expert in whichever specialized field I end up in and return to Case Western Reserve to teach the next generation of engineers."



# Donors by Class

The Case Alumni Association is grateful for the generosity of alumni during fiscal year 2014-2015. You helped fund upgrades to laboratories and classrooms, scholarships, and resources for student programs and projects – thank you.

## Class of 1934

Participation: 100%

Philip Borkat

## Class of 1939

Participation: 50%

James J. Hunt  
James A. Reilly  
Kimball D. Smith

## Class of 1941

Participation: 40%

Franklin L. Bird  
Cyril S. O'Neill  
Paul L. Stone

## Class of 1942

Participation: 19%

William R. Frerich  
Robert H. Lease  
George E. Myers  
Bernard H. Nicolaisen  
Donald J. Roy  
Charles J. Swartwout

## Class of 1943

Participation: 30%

Albert H. Barnes  
Cloud L. Cray, Jr.  
Barry Hyman  
Glenn M. Kastner  
Robert A. Mattoon  
Frank Miller  
Richard T. Scantlebury  
Charles A. Schurr  
Ted F. Stirgwolt  
Arthur L. Wittmer

## Class of 1944

Participation: 37%

Kenneth C. Garman  
Richard A. Graff  
Louis F. Jagucki  
Thomas J. Lahiff, Jr.  
Harry H. Landon, Jr.  
Arthur P. Leary  
Donald A. Pecsok  
Eric J. Simon  
Charles J. Slany  
Milton R. Spielman  
Leslie W. Steele

## Class of 1945

Participation: 34%

Edmond H. Borneman  
Laura D. Crowl  
Burton L. Frankel  
Robert C. Irely  
Rudolph W. Kugler  
E. Ted Mann  
George W. Rohrer  
John H. Rusch  
Kurt H. Schaffir  
Craig R. Smith  
Charles F. Trivisonno

## Class of 1946

Participation: 35%

Robert J. Belner  
Skip A. Giddings  
Alan Kennedy  
Henry L. Kurtz  
Frank V. Lantz  
Thomas E. Murphy  
John P. Wentworth

## Class of 1947

Participation: 33%

Richard Allchin  
John L. Bates, Jr.  
Robert G. Johnson  
Jerome L. Maggiore  
Edgar W. Miller  
Walter E. Simon  
Marvin S. Teplitz  
Esther S. and Myron F. Wilson

## Class of 1948

Participation: 27%

Carl S. Bacik  
Frank E. Cockerham  
Joseph M. Curtis  
Henry W. Gilbert  
Robert W. Graham  
N. John Koda  
Jean Z. and Morley G. Melden  
Francis W. Neville  
Lawrence C. Pringle  
James T. Robson, Jr.  
Wallace M. Snow  
Donald F. Soula  
Helmut Wolf

## Class of 1949

Participation: 38%

L. David Baldwin  
Donald R. Butler  
William J. Collins  
Clarence C. Crow  
John L. Donahue  
James C. Eaton  
Harold F. Fox  
David D. Fry  
William U. Funk  
Joseph M. Gehring  
George N. Havens  
Eugene E. Holley  
James D. King  
Kurt K. Klein  
Harold H. Koppel  
Chin F. Kwok  
Ernest B. Leach  
Louis A. Levar  
Donald W. McCune  
Frederick J. Milford  
Thomas F. Neubecker



*Thank You*

Raymond N. Outzs  
Charles H. Phipps  
Dan S. Rasche  
Domenic A. Romonto  
Mr. and Mrs. Irvin J. Rudick  
Anson H. Russell  
Rolf E. Rylander  
Rodney W. Scherr  
Richard G. Schuerger  
Ross H. Supnik  
John J. Tanis  
Charles P. Welch  
Stanley E. Wertheim  
E. Harry Wirstrom  
Theodore J. Wrona

## Class of 1950

Participation: 24%

Thomas Allchin  
Frederic J. Anders, Jr.  
J. Norman Beidler  
Kenneth C. Bell  
Hugo H. Borneman  
Robert E. Chowanetz  
George F. Climo  
Elaine R. and David J. Cook  
Raymond D. Daniels

Ted G. Debreceni  
Ned E. Desenberg  
Peter C. Dobkowski  
George I. Doering  
David M. Ellis  
Richard D. Ellsworth  
Joseph Gabrosek, Jr.  
Sidney S. Goodkin  
Lloyd H. Groth  
Ronald L. Hamilton  
Don B. Hill  
Allan Koeppl  
Allen E. Lepley  
Arthur A. Longano  
Alfred C. Montag  
Kenneth W. Moorhead  
John S. Mosser  
Daniel M. Parobek  
Ferdinand Rodriguez  
Thomas R. Schuerger  
Fritz L. Schweitzer, Jr.  
Robert Siegel  
Robert A. Smiley  
Harold H. Stroebel  
Nicholas M. Trivisonno  
Robert A. Tschannen  
Robert W. Van Orsdel  
Richard S. Varga  
James W. Wickert





**Class of 1951**  
Participation: 34%

Eugene A. Alger  
William J. Batista  
Kenneth J. Bell  
Lawrence C. Cerny  
Gregory P. Chacos  
Edward B. Congleton  
Raymond A. Day  
Peter W. Dwyer  
Cornelius Fiocco  
David J. First  
Americo Forestieri  
Edgar D. Jones  
Fred Karpoff, Jr.  
James C. Kauer  
James L. Kern  
William R. Kerslake  
John W. Kloss  
William N. Leitch  
Jack G. Lenhart  
Martin A. Levitin  
Richard J. Matt  
Victor A. Mixe  
Robert L. Moss  
Donald W. Moyer  
Howard G. Norseth  
Paul E. Renas  
James J. Reymann



Albert Rogel  
David H. Rush  
Jim C. Ryan  
Earl B. Schibler  
Elizabeth J. and Eugene F. Skerl  
Roseanne I. and Richard B. Smith  
Donald L. Southam  
Philip J. Stelmashuk  
Richard H. Swiers  
Wayland A. Tenkku  
George F. Thomas  
Mike P. Vasilakes  
Robert E. Vidal  
Mabel B. and T. Urling Walker  
Naomi and Bruce Wertheimer

**Class of 1952**  
Participation: 36%

Brenda A. and Robert M. Aiken  
Donald J. Anzells  
Gary M. Black  
James J. Bolzan, Jr.  
John H. Bromelmeier  
Alan R. Burkart  
Leo L. Cifelli  
James D. Croniger  
Elmer E. Croushore, Jr.  
Robert A. Darden

William R. Dawson  
Robert J. Denington  
J. Frederick Doering  
Delmar W. Drier  
John H. Enders  
Charles W. Fetheroff  
George A. Fisher  
John W. Gallagher  
Robert W. Gray  
David F. Hahlen  
Edmund J. Halter  
Richard A. Hardy  
Claude E. Hirsch, Jr.  
William B. Horn  
Donald J. Lamvermeyer  
George M. Lance  
Charles E. Lindahl  
Robert M. Linn  
William F. Long  
Paul L. Mehr  
Robert A. Mendelson  
Richard P. Mott  
Jack E. Olhoeft  
Harvey W. Preslan  
George Prochko  
David G. Proctor  
George M. Prok  
J. Allan Punkar  
Seymour Rothstein  
James E. Ruecke  
Theodore J. Sandy  
Max A. Schaffer  
Donald W. Schneider  
Leland A. Schneider  
Donald L. Shirer  
Edward A. Steigerwald  
T. Theodore Thompson  
William H. Thompson  
Walter J. Tomasch  
William A. Tomazic  
Eugene B. Ulanowicz  
Oswald L. Zappa  
William J. Zigli

**Class of 1953**  
Participation: 31%

Marvin R. Banton  
John W. Belsler  
Norman A. Berg  
Richard D. Bernhofer  
Willard F. Gillmore, Jr.  
Robert J. Gridley

Donald L. Gross  
Thomas E. Hedge  
Henry C. Heintzelman  
Frank R. Hondlik  
John G. Hruby  
Robert H. Johns  
Robert E. Kane  
Jack C. Kerby  
James H. Krieger  
Donald Krueger  
Thomas C. Litzler  
Herbert C. Loewlein  
Kenneth J. Major  
Raymond W. Marshall  
Robert P. Meissner  
David J. Miller  
Richard P. Nemetz  
Joseph C. Oppenlander  
Robert S. Packard  
Wendell V. Peterson  
Richard A. Pline  
Stanley R. Reas  
Richard R. Russell  
Victor J. Scaravilli  
Charles W. Schob  
John W. Schwartzberg  
Norman E. Sitter  
Richard H. Thomas  
E. Dwight Trout  
Raymond T. Warner

**Class of 1954**  
Participation: 29%

George Baum  
George A. Beck  
Sally and Walter K. Bonsack  
Ronald C. Brockway  
James P. Buchwald  
Archibald E. Fletcher  
Jack Grobman  
Allen L. Hancock  
Bernhard D. Hanhilammi  
Frederick P. Herke, Jr.  
Donald H. Hooper  
William R. Howard  
George T. Ikeda  
Ronald R. Kaufman  
Albert H. Khoury  
Robert M. Laczko  
Walter E. Leser  
Richard H. Lyndes  
Frank A. Matter

Michael J. McGinty  
Jack K. Mowry  
George L. Muller  
Perry R. Nuhn  
Clark L. Oster  
Joseph P.S. Pampel  
Alan W. Peterson  
Millard H. Phelps, Jr.  
Alan C. Price  
Heino Puhk  
Edward L. Reimel  
John J. Reinmann  
Charles E. Sax  
Andrew A. Scotchie  
Stephen J. Toth  
Harold W. Ullman  
John D. Venables  
Robert K. Warmeling  
Samuel A. York, Jr.

**Class of 1955**  
Participation: 32%

William F. Bozich  
Carol and  
Thomas K. Brichford  
Brice Carnahan  
Melvin E. Conway  
David E. Crouse  
Richard W. Detrick  
Robert J. Eiber  
Ann and Harry L. Farmer  
John E. Groth  
Leon D. Gschwind  
Josef A. Lauer  
Thomas A. Liederbach  
William E. McBride  
Timothy McDonel  
John W. Mengel  
Nancy S. and  
Anthony D. Oliverio  
Roy G. Paston  
Edward M. Petrushka  
Jack Phillips  
Victor R. Piccoli  
Charles E. Radke  
Charles W. Rainger  
John E. Schmidt, Jr.  
Franz W. Schneider  
James A. Sears

*Continued on Page 10*

*Thank You*



# Donors by Class

*Continued from page 9*

John H. Shroyer  
Robert C. Sidley  
Jerome H. Silverman  
James H. Simler  
Joseph Smerglia  
Stanley A. Snyder  
John C. Sturman  
Fred R. Thomas  
Warren H. Thomas  
Cyril Urbancic, Jr.  
John Ursu  
Ralph M. Wilk  
Robert A. Wilkens

**Class of 1956**  
**Participation: 33%**

Paul T. Arbuckle  
Robert C. Beach  
Raymond W. Bender  
John B. Beurket  
Ronald R. Bogolin  
James E. Buxton  
Richard P. Case  
Jack D. Dougherty  
Louis L. Drasler, Jr.  
Stephen R. Drazich  
Robert W. Feucht  
John P. Frier  
Laurence N. Gold  
Karl N. Gutzke  
Lloyd A. Hagloch  
David F. Hamilton  
Arnold Hershman  
Geoffrey H. Hunter  
John A. Jankowski  
Donald S. Johnson  
Edward L. Kern  
Raymond J. Kiraly  
Robert J. Koren  
William J. Kroenke  
John B. Lewis  
Don W. Liechty  
Gerald A. Marxman  
Stanley V. Michota  
Stephen M. Mihaly  
Andrew T. Mulato  
Dave W. Ohl  
William G. Ormiston  
Thomas J. Pavlik

Barbara A. and Walter E. Pavlick  
Kjell Pedersen  
Channing M. Preston  
Paul J. Rondeau  
Elwin L. Rooy  
David W. Samson  
Edwin J. Schneider, Jr.  
Robert A. Seekely  
Jay S. Silhanek  
Melvyn B. Spira  
Raymond C. Sraill  
Stephen S. Stack  
John D. Steadman  
Eugene A. Stecca  
James I. Taylor  
Thomas W. Thornton  
Douglas H. Underwood  
Ralph E. Vollbrecht  
Harold A. Wittlinger

**Class of 1957**  
**Participation: 36%**

Anonymous  
James F. Allison  
Robert M. Archer  
Rudolph A. Baker  
William H. Balhorn  
Kenneth J. Baumeister  
Bill H. Beall  
Joseph C. Besich  
Robert C. Brizes  
Tom E. Butz  
Richard M. Chandler  
Donald B. Cohen  
Edward P. Dannemiller  
Ralph H. Daugstrup  
John H. Detrick  
Norman B. Druz bik  
John F. Finch  
Lester C. Frank  
William K. Fullerton  
Robert J. Fulop  
John C. Gambrell  
William B. Garrison  
Richard B. Gillmore  
David E. Glaser  
Ross A. Hackel  
Ronald S. Halinski  
Roger N. Hasselbach  
Philip S. Heisner  
Milton Kaplan  
Richard I. Ker mode  
Stephen F. Kovacs

Kermit D. Kuhl  
James W. Lazor  
Paul H. Liebenauer  
John R. Lillibridge, Jr.  
William T. Maloney  
Lawrence B. Mattson  
Edward J. Metzger, Jr.  
Marion R. Musser  
Charles W. Nezbada  
Paul F. Olhoeft  
Albert J. Pavli  
Richard J. Pazderak  
Joseph J. Prizzi  
Daniel B. Raber  
Joseph M. Ross  
Edwin M. Salkeld, Jr.  
John E. Schurr  
Donald R. Sherman  
Richard A. Skinner  
Robert L. Snell  
Richard A. Sundra  
Donald C. Theis  
G. Keith Turnbull  
Marion D. Waltz  
Richard K. Wilmer  
David L. Wyatt

**Class of 1958**  
**Participation: 22%**

Henry H. Albers  
Carl G. Andeen  
David L. Arnold  
William R. Burmeister  
Anthony R. Casasanta  
Richard R. Cook, Jr.  
Richard Dell  
Edward J. Fadden  
Stephen E. Flocke  
Henry E. Frey, Jr.  
William T. Harper, Jr.  
Richard J. Henry  
Judith A. and Erwin R. Hittel  
Alan J. Jankowski  
Howard E. Jordan  
Ralph V. Kinney  
John I. Koeper  
Nicholas J. Kolettis  
Kenneth L. Kutina  
Leonard S. LoPorto  
William W. Messenger  
John F. Mioduszeski  
Stanley E. Nagy  
Glenn F. Pfeleiderer

Charles E. Plymale  
Charles A. Ranney  
Richard F. Reinhart  
Robert S. Roper  
John H. Sattelle  
Donald S. Schneider  
Hugh A. Schoeffler  
John R. Semancik  
Aron L. Shapiro  
Roger A. Svehla  
Thomas L. Sweeney  
Thomas W. Thompson  
Robert B. Tom  
William H. Tuppeny, Jr.  
Charles L. Wiley

**Class of 1959**  
**Participation: 26%**

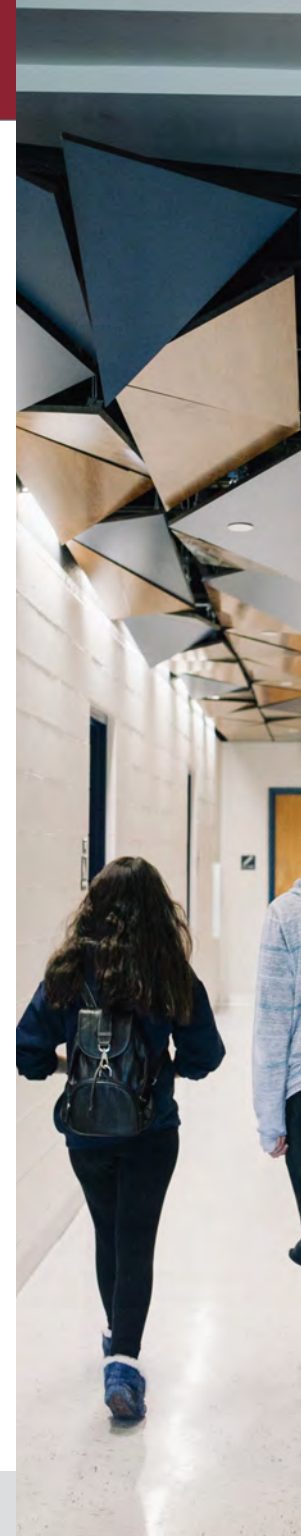
Joseph R. Asik  
Wolfgang F. Bauer  
Lynn W. Beachler  
Norman R. Bliss  
Lawrence A. Brough  
David A. Clutz  
James N. Cordea  
Leonard G. Feinstein  
John Ferrante  
Candido Font  
James J. Fox  
Thomas M. Franklin  
Robert C. Garver  
Murray S. Gertner  
Malcolm E. Gienke  
David A. Giltinan  
Ronald W. Grant  
Michael G. Gundzik  
Robert A. Hahn  
John A. Hrastar  
Dirk E. Huttenbach  
Glen B. Keller, Jr.  
Thomas P. Kicher  
Carl C. Koch  
Joseph R. Konecsni  
Kentland A. Krause  
Gayle G. and Edward F. Labuda  
Robert G. Leddon  
Paul A. Lidrbauch  
Eugene J. Manista  
Robert R. Mantz  
Bruce L. McLaughlin  
Thomas N. Millhoff  
John A. Morris  
Robert D. Morrison

David E. Nelson  
William H. Ninke  
Donald R. Norris  
Joseph R. Nosse  
J. David O'Mahen  
Lawrence C. Oslund  
Joseph M. Palsulich  
Thomas A. Patronite  
Edward M. Pflueger  
Thomas S. Piwonka  
Robert D. Plummer  
Oliver L. Poppenberg  
M. William Sadock  
Lee F. Schiemann  
Ralph W. Seeh  
Ralph R. Sherman, Jr.  
William C. Taylor  
Joseph S. Viland  
Ellis M. Wellman  
Richard H. Wright

**Class of 1960**  
**Participation: 28%**

Richard L. Anderson  
Ervin Behrin  
Jerome S. Berkowitz  
Thomas H. Bishop  
Roger W. Brockett  
William G. Browne  
James H. Burghart  
Harold I. Burrier, Jr.  
Michael A. Calabrese  
Leonard C. Cosentino  
John C. Dannemiller, Jr.  
Charles D. DeGraff  
Frank C. Dengler  
David D. Dennis  
William A. Dent  
Glen W. Dorow  
Bruce W. Eckstein  
Donald J. Gawlowicz  
William M. Grasser  
James F. Hahn, Jr.  
Dale N. Hatfield  
Ramon B. Hazen  
Donald A. Hoecker  
William F. Hutchings  
Burton M. Judson, Jr.  
John J. Kessler  
Bruce F. Kinsel  
James M. Kirkstadt  
Steven C. Kish, Jr.

*Thank You*



think [box]

Donald E. Knuth  
Bruce Lehtinen  
Saul H. Ludwig  
Franklin G. Miller  
Ronald E. Nemura  
Harold T. Nissley  
Robert J. Norris, Jr.  
Carl A. Olson  
Philip G. Osborn  
Harold J. Peters  
Robert L. Randall  
Robert W. Schwarz  
Lawrence J. Scotchie  
G. Michael Skerritt  
Lawrence Southwick, Jr.  
Robert W. Stalder  
William L. Thompson  
Lawrence I. Toriello  
William E. Tosko  
Frank E. Trainer  
Norman T. Triznadel  
James K. Wagner  
William R. Waitinas  
Russell J. Warren  
Frederick G. Watts  
Alfred T. Weber  
Peter M. Weiblen  
Norman C. Wenger, Jr.  
Joseph F. White  
Martin E. Woods  
Warren M. Young  
Walter L. Zimmerman

**Class of 1961**  
**Participation: 29%**

Richard G. Beck  
Frederick K. Bogner  
James B. Breckinridge  
J. Alan Burnett  
Patrick J. Chambers, Jr.  
Dennis S. Chrobak  
Bruce Clegg  
William G. Corkins  
Lawrence F. Draper  
J. David Ehlke  
Terrence J. Fagan  
S. P. Gary  
David C. Grigsby  
Roger W. Grossenbacher  
John P. Gyekenyesi  
Peter E. Harbath  
Ralph A. Hewes  
John E. Hewlett

Gerald J. Hrastar  
Lee A. Huff  
Frank Ilcin  
William F. Jones, Jr.  
John R. Kovats  
Robert A. Kropfli  
Norman R. Kuchar  
Bruce T. Kujawski  
James Lum  
Nelson A. Macken  
David J. Marec  
William W. Middleton  
Thomas L. Morgan  
Willford J. Morrison  
Duane A. Moyer  
John H. Newsome  
Carl G. Opaskar, Jr.  
Gerald A. Otteni  
Don R. Parmelee  
Steven F. Paul  
Richard A. Petelinkar  
Dale C. Phillip  
Carl E. Podwoski  
William E. Pritts II  
James A. Prutton  
Gordon E. Ruten  
Barry J. Sands  
Robert N. Schlaug  
David A. Schrady  
Charles E. Stephan  
Ralph H. Thomas  
Richard F. Tozer  
John T. Trinter  
Joseph A. Vargo  
Stephen J. Wallace  
Ronald J. White  
Raymond J. Zeman, Jr.  
Ronald W. Zurilla

**Class of 1962**  
**Participation: 29%**

Anonymous  
Frederick W. Ahrens  
Dennis R. Atkins  
Michael J. Bauer  
Ronald E. Birch  
John E. Bower  
James D. Bowers  
Nicholas A. Camino  
Joseph A. Ceccarini  
Leland G. Courtney II  
David B. Deioma  
Mr. and Mrs. John R. Donnell, Jr.

Thomas J. Doran  
Paul M. Everett  
John M. Fernbacher  
Harry W. Fox, Jr.  
Richard A. Gaspar  
Jonathan A. Gerbracht  
Philip R. Gliebe  
Karl Goering  
Richard L. Good  
Michael A. Grozdanoff  
Charles P. Hagenbaugh, Jr.  
Stephen J. Hasbrouck  
Frederick Hetzel  
Daniel M. Hill  
Gerald E. Hite  
Gary L. Holmberg  
Edward W. Hubbard  
R. Douglas Kepp  
Raymond J. Knauss  
Richard A. Knazek  
Gerald A. Koenig  
Richard J. Kotalik  
David J. Krus  
Bahman Larizadeh  
John F. Lesco  
Edwin H. Lutz  
Charles W. McNichols III  
Phillip D. Meeker  
Rolf J. Mehlhorn  
Michael A. Mezzacappa  
James B. Moreno  
Douglas W. Nock  
John M. Oblak  
Kamlesh A. Pai-Panandikar  
John A. Peterson  
Louis J. Petrovic  
Robert F. Pierret  
Richard L. Pool III  
Jon A. Rader  
William H. Schultz  
Daniel E. Schuster  
David E. Schwab  
Roderic M. Scott II  
Farrokh N. Screwvala  
Thomas W. Seith  
Terrence E. Sheridan  
John C. Simonis  
Kenneth J. Slegler  
Lloyd E. Stettler  
James R. Stone  
Robert M. Suhay  
Donald R. Trask  
David L. Wallach  
David L. Weigel



Thank You

John A. Wilson  
Ralph B. Wood  
John F. Zeis  
Donald A. Zito

**Class of 1963**  
**Participation: 35%**

Louis J. Aliberti  
Gerald J. Barna  
David A. Bebko  
Dennis M. Bench  
John M. Bergin  
Jon A. Beyer  
Gabriel Biguria  
Paul L. Bondor  
Ronald R. Bousek  
Bruce J. Bretschneider  
W. Ronald Cares  
Vince Cermak  
Roger H. Cerne  
Jerry C. Condren  
Edward J. Coyne  
Richard J. Demchak  
Thomas A. Derkacs  
Melvin A. Ehrlich  
Robert D. Follett  
James E. Glover  
Donald G. Golden  
Louis H. Goldish  
Robert M. Grguric  
William E. Gromen

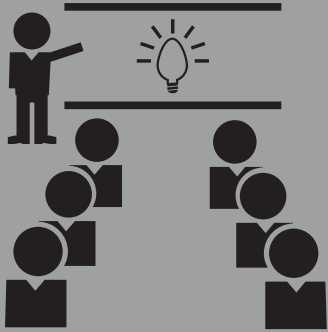
John G. Haessly  
Sue and Peter H. Hanley  
Duane A. Heyman  
Dan Hilberman  
David P. Hunt  
Victor A. Ilenda  
Porter W. Johnson  
William M. Johnson  
Larry A. Kaufer  
Robert A. Kern  
William G. Kieffer  
Paul H. King  
Fred J. Kohl  
Kenneth F. Koral  
Thomas J. Kraynak  
F. Thomas Krotine  
Roy B. Larson  
Jocelyne K. and  
Frank N. Linsalata  
Thomas A. Lutke  
Christopher C.  
Mathewson  
John R. McGreer  
Frank D. Mendicino  
Gerald L. Mook  
Edward G. Morgan, Jr.  
Albin A. Muren  
Karl E. Newkirk  
Jeffrey S. Noss

*Continued on Page 14*



# Support for Student Groups

## FAST FACTS



**15 endowed funds** support student group funding, lectures, buildings and Case Alumni Association operations.

The Case Alumni Association

**Awarded \$97,100** to 15 student groups and graduation-week prizes

in fiscal year 2014-2015.

**Thank you** for making a difference in how these students experience their Case education.



## Spotlight on Innovation: CWRU Baja SAE

*CWRU Baja SAE is a team of undergraduate engineering students who design, build, test, and race an off-road vehicle. Last year was a record-setting season, as they competed in all three official Baja SAE competitions for the first time in the team's history, and finished in*



*8th place overall among all U.S. teams at one of the competitions. Co-captains Nick Bi '16 and Linda Relson '16 explain why this year was CWRU Baja SAE's most exciting yet, and say thank you to the donors who made it possible.*



### This year was huge for your team – what was your biggest surprise during competition?



**Linda:** "Definitely the endurance race at the Maryland competition, a grueling four-hour event in which nearly 100 cars race wheel-to-wheel to complete as many laps as possible. It's the most important event in a Baja SAE competition. Every minute in the race counts. We were thrilled that our car stayed in the race for the entire four hours with no mechanical failures or breaks. What we did not know until later was that our automatic lap counter broke during the race, and the live updates of our standing in the race were incorrect. At the end, when the top 10 cars were pulled aside for inspection, our car was in the lineup. Our whole team was confused and excited. It wasn't until the drive home that we were able to count the laps from our on-car GPS data to learn we had earned 5th place in the endurance race."

**Why do you think Baja SAE is good experience for an engineering student?**



**Nick:** “Baja is an incredible experience that gives engineering students the most genuine real-world engineering knowledge short of an internship or

co-op. Baja is a team-oriented, project-based, and deadline-driven extracurricular activity that allows students to apply the theory and knowledge learned in the classroom to a real, physical product.”

**Linda:** “Baja has been a place for me to grow as an engineer and a team member. It has given me a sense of confidence in my engineering skills that I could not get from homework or a typical class project. Baja is one of only a few groups on campus that give engineering students the ability to get their hands dirty and experience engineering in a real way.”

**How important is sponsorship from an organization like the Case Alumni Association? What does sponsorship make possible?**

**Nick:** “The Case Alumni Association has always been the largest supporter of the Baja team, and is the primary reason that the team can continue to exist. The sponsorship gives the team its financial basis from year to year, which enables us to represent the university at international competitions. Consistent support from the Case Alumni Association has allowed the team to grow and develop over our 14-year history, which hundreds of students have been able to benefit from. We’re so grateful for that continued support.”



*“Baja has been a place for me to grow as an engineer and a team member”*

*“Consistent support from the Case Alumni Association has allowed the team to grow and develop over our 14-year history”*



# Donors by Class

*Continued from page 11*

William A. Oran  
 James Oziomek  
 Raymond M. Paciorek  
 Dennis R. Paulin  
 John S. Perz  
 Todd A. Pitts  
 Harold G. Pohler  
 Harry E. Raber  
 Bruce H. Raimy  
 Frank V. Razinger  
 Richard B. Robrock II  
 John T. Rose  
 Edmund F. Rybicki  
 James R. Sadowski  
 Laurence R. Saslaw  
 James D. Scott  
 Stephen A. Sedlak  
 John R. Shadley  
 Thomas S. Shepherd  
 Chris L. Terrill  
 Robert S. Vukosic  
 Donald E. Weber  
 Paul F. Weiss  
 David A. Wilson  
 David A. Withrow

## **Class of 1964**

**Participation: 25%**

John E. Armonas  
 Bruce M. Bacik  
 Thomas E. Baker  
 J. Dennis Bender  
 Peter C. Berg  
 Barry L. Berman  
 Neil F. Brennan  
 David H. Buchanan  
 Charles A. Chiaramonte  
 Lloyd A. Culp  
 Philip V. DeSantis  
 Norman F. Diederich  
 Perko Draskovic  
 Michael A. Eck  
 Basil Fedun  
 Roger W. Fenstermaker  
 John D. Fisher  
 Victor L. Genberg  
 Christian T. Goralski  
 Frank J. Gryl, Jr.  
 David R. Hamlin  
 David E. Hobbs

Clive P. Hohberger  
 George E. Hornfeck  
 Dennis D. Huffman  
 William M. James  
 Larry Kerschberg  
 Kunio D. Kikuchi  
 Dellburt K. Kitzel  
 Dr. Howard F. Korman  
 Robert M. Kostrubanic  
 Robert L. Ladner  
 James F. Lavelle, Jr.  
 Richard T. Lewis  
 Warner W. Luoma  
 Vincent J. Marchionna  
 John V. Martonchik  
 William W. McDonald  
 John A. Mihevic  
 David M. Mog  
 LeRoy D. Moyer  
 James S. Murday  
 David V. Neff  
 R. Wayne Niles  
 Robert W. Oliphant  
 Kurt E. Olmosk  
 Bernard W. Rachel  
 Milo C. Rice  
 Frederic L. Rieger, Jr.  
 Priscilla and Robert E. Rottmayer  
 Marvin F. Sawyer  
 Gayle A. and William A. Schimming  
 Joel Schwartz  
 Irwin L. Singer  
 Paul Stephan  
 Stuart W. Thro  
 C. Franklin Todaro  
 David L. Wagner  
 Clyde K. Walter  
 Robert K. Wehrle  
 David A. Weitzenhof  
 Doris Wong  
 Robert R. Zappala  
 R. Roger Zauel  
 Thomas M. Zwitter

## **Class of 1965**

**Participation: 17%**

Anonymous  
 Jon L. Bartos  
 Gerald V. Bruno  
 Gary L. Ciminero  
 Wiley S. Dennis  
 George R. DeVeney  
 John H. Doles III

Thomas B. Doyle  
 Robert C. Egger  
 James R. Fink  
 Sanford Fleeter  
 Fred L. Forman  
 Warren C. Gibson  
 Marc E. Goldfeder  
 Richard A. Green  
 Siegfried S. Hecker  
 Bill Hemsath  
 Larry J. Hornbeck  
 David A. Huettner  
 William T. Jones, Jr.  
 Jochen E. Kindling  
 Carloyn B. and Jerry L. Kisner  
 Richard A. Leskovec  
 John H. Loux III  
 Fred D. McGuire, Jr.  
 G. Mac R. McNichols  
 Paula A. McNichols  
 James M. Moidel  
 Keith G. Morgan  
 William W. Owens  
 Gerald L. Palagallo  
 Stanley M. Parsons  
 Dwight D. Racioppo  
 R. Philip Ruckman  
 James K. Shetterly  
 Richard F. Sigal  
 Ralph W. Spice  
 James R. Venner  
 Kenneth R. Waugh  
 Jack W. Young, Jr.

## **Class of 1966**

**Participation: 21%**

Anonymous  
 William A. Andersen  
 Stanley M. Antczak  
 Theodore A. Barth  
 Howard E. Baybrook, Jr.  
 W. Tim Boord  
 William T. Busch  
 David H. Butler  
 David D. Collins  
 Peter V. Cummings  
 Philip J. Erdelsky  
 H. Lee Flower, Jr.  
 Joseph M. Gingo  
 William Gislason  
 John W. Glaspey  
 James N. Greenfield  
 Stephen W. Hager

Robert G. Hodgins  
 Ernest F. Jageler, Jr.  
 James D. Johnson  
 Robert H. Josselson  
 George R. Kalan  
 Ronald L. Kolb  
 Richard A. Kulik  
 David Kwoh  
 Dale W. Lichtenberg  
 James D. Loux  
 John A. Massie  
 Ronald A. McGimpsey  
 Ronald A. Mischler  
 Donald J. Kindling  
 Neil M. Moss  
 Richard M. Myers  
 Julius Z. Nadas  
 John M. Neorr  
 Charles R. Nichols  
 Ralph M. Papa  
 Dennis A. Perz  
 Robert P. Peterson  
 Wayne L. Podell  
 Richard E. Pokrywka  
 Alan A. Polster  
 Philip E. Rakita  
 James M. Reddy  
 John A. Reinicke  
 Charles L. Roelant  
 William J. Saas  
 Neal V. Sangree  
 Dorrit and Grant Saviers  
 Laszlo Sogor  
 Victor Waluch  
 Carole T. and Robert G. Wilhelm, Jr.  
 Khosrow K. Zamani

## **Class of 1967**

**Participation: 18%**

Richard M. Alden  
 Robert T. Bair, Jr.  
 John R. Berry III  
 Marianne Booms Szabo  
 Richard A. Carlstedt  
 Martin P. Charns  
 Joseph S. Churchman  
 David H. Cikra  
 Lawrence A. Clark  
 Robert N. Cotabish  
 John P. Crain  
 Lawrence E. Dean  
 Thomas K. Ehni  
 Adolph A. Eppich

Robert A. Gadosik  
 Fred H. Geisler  
 Allen H. Gutheim  
 William R. Haskell  
 Paul D. Hemenway  
 Zelek S. Herman  
 Walter M. Holloway, Jr.  
 Rodney J. Jesseman  
 Robin E. Johnson  
 James T. Kelly  
 Edward J. Kownacki  
 Edward P. McHenry  
 David L. Parham  
 Sam H. Moracz  
 Michael S. Pliner  
 Thomas E. Rebernak  
 James F. Reed, Jr.  
 W. Stephen Rochlis  
 Barry A. Romich III  
 A. Eric Rydgren, Jr.  
 Edward J. Schneider, Jr.  
 Dennis M. Shannon  
 Howard A. Silver  
 Chloe J. Singleton  
 James J. Svoboda  
 Peter D. Van Dine  
 David C. Weber  
 William P. Wiemels  
 Daniel G. Wolf

## **Class of 1968**

**Participation: 21%**

Harold G. Alles  
 Robert J. Antinone  
 Charles N. Arrowsmith II  
 Arthur T. Balcerzak  
 Timothy W. Baldwin  
 Robert H. Beckley  
 David P. Beechuk  
 Robert B. Bellman  
 Robert E. Busch  
 Linda M. Churchman  
 Charles W. Clendening, Jr.  
 William C. Colket  
 William A. Daigneau  
 William W. Davis II  
 Carl I. Delaune  
 Amy B. and  
 Michael H. Diamant  
 Richard C. Dietz  
 Rick C. Dilsizian  
 Jimmie R. Eason  
 David Elmore



Thomas C. Esselman  
 William R. Feth  
 Mark D. Frishberg  
 Pascal J. Gambardella  
 Jack S. Gips  
 Charles A. Green  
 Eugene Greenstein  
 David C. Halley  
 William B. Hampshire  
 Thomas J. Harris  
 Frederic A. Hooper, Jr.  
 Henry W. Hopeman  
 Jeffrey C. Jones  
 Stephen C. Kempf  
 John G. Kern  
 Roddy King  
 John W. Langner  
 Anthony R. Lubinsky  
 Raymond F. Mallinak, Jr.  
 Dennis M. Manos  
 James S. Marpe  
 Richard C. Masek  
 Louis C. McDavid, Jr.  
 Walter F. Nemcek  
 Thomas N. Packard  
 Carl F. Panek  
 Thomas J. Pelnar  
 Leo R. Piotrowski  
 Alan M. Riegler  
 Sharon K. and David M. Ronyak  
 Marvin S. Schwartz  
 Cosimo G. Sciotto  
 John A. Shields, Jr.  
 Carl A. Singer  
 James L. Smialek  
 Donald J. Snider  
 Frank A. Steffey, Jr.  
 Kenneth F. Stianche  
 Lee A. Swanger  
 Thomas G. Szymanski  
 Gary W. Towsley  
 George J. Ursick, Jr.  
 Henry L. Vernon, Jr.  
 John E. Zabel

**Class of 1969**  
**Participation: 20%**

David F. Adams  
 John E. Allers  
 John C. R. Anderson  
 Michael W. Bocianowski  
 Jonathan L. Brockwell  
 Jerry L. Chodera



William F. Clancey  
 Mark A. Coblitz  
 Dominic D. Cordiano  
 Charles D. Cowman, Jr.  
 Andrew F. Daughety  
 Thomas F. Dohnal  
 Francis M. Dunlevey  
 Keith R. Eberhardt  
 Michael B. Feldman  
 Robert C. Fuehr  
 Edward D. Gardner  
 Robert W. Gerlach  
 Gregory Z. Golian  
 David M. Gray  
 Arnold Greenland  
 Robert E. Hartsock  
 Glen A. Heyman  
 Michael S. Hyrnick  
 Thomas A. Iha  
 Frederic H. Jacobs  
 Richard A. Jerdonek  
 Paul R. Kimmel  
 John P. Linhart  
 Jeffrey W. Lund  
 Robert E. Lyons  
 Charles L. Maierson  
 Richard C. Marquard

Robert C. McCune, Jr.  
 Ronald E. Miller  
 Arthur C. Nagel  
 Joseph F. Orichella  
 John T. Pesuit, Jr.  
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 Richard C. Riccardi  
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 Sally and Larry Sears  
 Zef Shanfield  
 Clinton E. Silverman  
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 Kristina K. Sully  
 James E. Thompson  
 James B. Treleaven  
 Robert F. Trinka  
 Thomas E. Wallin  
 Kenneth H. Wetmore  
 Roger A. Wing  
 Dana B. Zahuranec  
 Martin A. Zofko

**Class of 1970**  
**Participation: 17%**

Gene J. Ameduri  
 Thomas J. Andersen

Thomas R. Andrews  
 Anthony E. Bacevice, Jr.  
 Kenneth A. Barker  
 William H. Campbell  
 Gregory P. Catrambone  
 William E. Causin  
 George R. Cserbak  
 Reuben A. DeBolt  
 Keith R. Dick  
 James Ekmann  
 Dale C. Ferguson  
 Vincent W. Ferraro  
 Robert A. Field  
 H. Steven Gilbert  
 Peter S. Gilmour  
 Donald E. Hankins  
 Samuel T. Heffner  
 Robert M. Hurley  
 Carl T. Jagatich  
 Duane J. Jarc  
 Robert L. Jones  
 Francis W. Kearney  
 Edward A. Kenik  
 John R. Kinstler  
 John M. Kuhlman  
 David W. Kummer  
 Elena S. Lobl

Eugene C. Muratore  
 Philip E. Orbanes  
 Peter E. Packard  
 Daniel L. Pierce  
 William C. Pletcher  
 David Roberts  
 Carl R. Sadler  
 John F. Sawdy  
 Thomas W. Seitz  
 Robert L. Shambaugh  
 John Sigmond III  
 James H. Skjervem  
 Dennis J. Stinehelfer  
 Richard A. Treveloni  
 Karl Tubalkain  
 James R. Waldorf  
 Reich L. Watterson III

**Class of 1971**  
**Participation: 21%**

Anonymous  
 Richard C. Beercheck  
 Robert D. Berke  
 Donald C. Braun  
 Peter W. Carpenter  
 Anderson C. Clutter  
 Eric C. Cohen  
 Frank A. Del Greco  
 William D. Dickinson  
 William D. Drotning  
 David A. Fink  
 Michael K. Fukuda  
 George C. Galster  
 Raymond T. Garea  
 Richard R. Gehring  
 Glenn A. Gorsica  
 Dennis E. Griffin  
 Clay Haubert  
 David E. Henderson  
 David D. Hock  
 Thomas R. Horner  
 Richard M. Jackson  
 Charles H. Jaeger  
 Paul D. Jennings  
 William H. Jones  
 Michael P. Keenan  
 Gary M. Klauber  
 Fred B. Klemencic  
 Ronald D. Koncal

*Continued on page 16*



# Donors by Class

*Continued from page 15*

William N. Krueger  
 Phillip M. Kurpe  
 David P. Kurrent  
 Laimonis A. Laimins  
 Garland E. Likins, Jr.  
 Evan Y. Lim  
 Gerald E. Lucak  
 Kenneth L. Mantey  
 David L. Matthews  
 Daniel A. Mayton  
 Frank H. Mecklenburg  
 Gordon J. Melle  
 James H. Miller  
 Jay F. Moldovanyi  
 Joan M. Oravec  
 Gerald A. Peters  
 Glenn Ricart  
 Craig A. Richmond  
 Steven B. Rubin  
 Peter F. Salamon, Jr.  
 John W. Seferian  
 Stanley F. Shantar, Jr.  
 Ralph W. Siskind  
 Theodore D. Swanson  
 Leslie E. Szakallas  
 Edward J. Tatman  
 Martin G. Trembly  
 Thomas F. Van Denberg II  
 William Wachsmann  
 Carl J. Wiles, Jr.  
 Charles R. Yager

## **Class of 1972** Participation: 18%

Jerry T. Adamic  
 Harry J. Alferink, Jr.  
 John M. Bendfeldt  
 Kenneth Biba  
 Scott F. Boettcher  
 Jeffry A. Borrer  
 Douglas Borsom  
 Frederick P. Boyle  
 Robert P. Brentin  
 Steven R. Buerkel  
 Richard S. Curtiss, Jr.  
 Robert Duke  
 David D. Evans  
 Jeff K. Farmer  
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Alfred E. Frey, Jr.  
 Anthony D. Greszler  
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 Lee W. Hartmann  
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 Joseph M. Kaminski  
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 Robert B. Kromer  
 Kathleen R. MacEwan  
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 Frank L. Merat  
 David S. Miller  
 Michael H. Morris  
 Thomas Operchal  
 Frank J. Pikovsky  
 Paul E. Plank  
 Robert N. Rodriguez  
 Richard L. Sirow  
 Eric R. Snyder  
 James F. Soeder  
 Andrew D. Staursky, Jr.  
 John J. Stermer  
 Kurt W. Swogger  
 Ted Z. Takacs  
 Gregory L. Williams

## **Class of 1973** Participation: 21%

Michael S. Albert  
 Walter O. Augenstein  
 Patrick J. Banchy  
 Charles E. Brandman  
 David J. Bruno, Jr.  
 Timothy T. Calvey  
 Robert E. Criss  
 Stephen G. Dale  
 Sumner D. Day II  
 Dante Frabotta  
 Walley G. Francis  
 Donald C. Grant  
 Steven J. Halasz  
 Steven G. Harris  
 Walter H. Hoppe  
 Donald J. Hurtuk  
 Jonathan D. Jaffe  
 Thomas A. Janello  
 David R. Jones  
 Thomas E. Kadlec

David A. Kalina  
 John E. Katilius  
 Richard W. Kelly  
 David L. Klein  
 Ronald C. Kuebler  
 John B. Lee, Jr.  
 James A. Marinik  
 Paul D. Markey  
 Casimir J. Matuszewski  
 Robert F. Millar  
 Martin J. Nemcek  
 Bernard L. Newman  
 Gerald T. Norman  
 Gregory C. Riffle  
 Steven B. Rockoff  
 Harry N. Rosen  
 William N. Saks  
 Gary G. Schupska  
 Joseph E. Sedlak  
 Mark F. Sejnowski  
 Thomas J. Shutt  
 John Skaras  
 Robert B. Strother, Jr.  
 Arthur M. Unger  
 Gerald S. Vertal  
 Steven W. Weissner  
 Robert C. Weppler  
 E. Carlo White  
 Donald A. Williamson  
 Robert W. Zaluski

## **Class of 1974** Participation: 22%

James L. Aker  
 Benico Barzilai  
 Roger W. Baugher  
 David L. Bell  
 Mark A. Brody  
 Howard J. Chizeck  
 V. John Comanita  
 Robert J. Deissler  
 Gary A. Derian  
 Alan J. Dudas  
 Katherine B. Emrich  
 Larry L. Enterline  
 Clifford L. Greenblatt  
 William M. Grossman  
 John H. Habbert III  
 Charles L. Hoffheiser  
 Mark A. Humphrey  
 Thomas R. Keske  
 Joseph B. King  
 Charles A. Knox

Wayne H. Kuenzli  
 George G. Lafko  
 Albert M. P. Leung  
 Lawrence L. Loucka  
 James M. Mates  
 Gregory A. Michnay  
 Stephen P. Mosier  
 Anne M. Nolan  
 Ronald R. Papajcik  
 Robert C. Price  
 Lawrence W. Pruneski  
 Stephen M. Ritchey  
 Anton J. Rovito  
 Sheldon R. Salkovitch  
 David F. Sholle  
 Jeffrey A. Tanchon  
 Thomas A. Tribone  
 Dean D. Trilling  
 Bruce A. Twarog  
 James P. Vokac  
 Donald E. Voss  
 Douglas E. Weir  
 Alan R. Whitney  
 Charlie S. Williams  
 Allan L. Zaebst

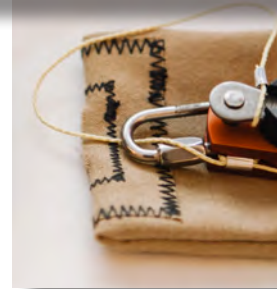
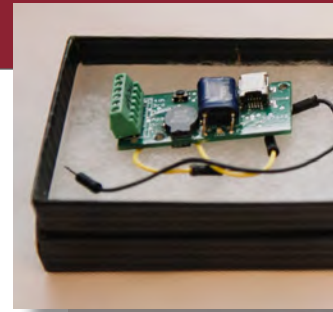
## **Class of 1975** Participation: 13%

Thomas P. Bejger  
 David A. Chodorow

Kevin D. Clarkin  
 Thomas E. Eckstein  
 Steven M. Ferguson  
 John R. Ferma  
 Robert B. Finucane  
 Margaret J. Gorensek  
 David A. Himes  
 Peter S. Homann  
 Gary G. Jarkewicz  
 Maita P. Jarkewicz  
 Kimberly N. King  
 Earl J. Kirkland  
 Mark A. Little  
 Carl J. Lock, Jr.  
 Richard E. Millar  
 James G. Neville  
 Vincent J. Perricelli  
 Robert R. Sepsi  
 Theodore O. Stolz  
 Michael W. Timko  
 Dannis T. Yang  
 Ronald J. Zab  
 Nader G. Zamani

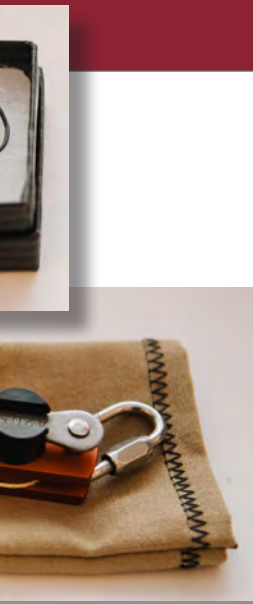
## **Class of 1976** Participation: 15%

David W. Bakke  
 Edward M. Braun  
 Donald L. Feke  
 John Gayda, Jr.



# Thank You





David A. Gianfagna  
Philip N. Hartong  
Judy L. and David Kaufman  
Daniel J. Kovalik  
Erik P. Kristoffersen  
Robert A. Landis  
Ray P. McCawley  
Susan Nagorney  
John V. Pietras  
Bruce G. Richards  
Roy P. Sambuchino  
Lee A. Schechtman  
James A. Slavin  
Ralph V. Straubs  
Hillary M. Sullivan  
Grace E. and Mark Svilar  
David W. Tank  
Mario M. Vargas  
Gerald L. Wasserman  
James K. Weddell  
Alan A. Weiss  
Evelyn Weiss  
Richard L. Weiss  
Cary H. Yuan

**Class of 1977**  
Participation: 12%

Bruce K. Asamoto  
Neil B. Feldman  
Rob A. Gingell, Jr.  
Maximilian B. Gorenssek  
Stephen J. Gottron  
Elizabeth G. Grabnic  
William D. Gropp  
Andrew M. Hirt  
Daniel N. Kosareo  
Rona J. Kuchta  
Margaret J. Lyell  
David J. Michael  
Robert W. Molitors  
Carl R. Nehls  
Lawrence L. Perletz  
Joseph J. Sulc  
Robert S. Tamaru  
Roderick J. Warren  
Richard P. Woodard  
Dennis H. Wright

**Class of 1978**  
Participation: 16%

Todd W. Arnold  
Emanuel M. Balale

Donald M. Ballard  
Tony T. Bonina  
Terrence Butler  
James W. Caruso  
Michael D. Contenza  
John T. Durkin  
Stephen A. Fossi  
Robert J. Frohman  
Howard A. Gorell  
Thomas D. Gregory  
William Henderson  
Diane E. Herr  
Kevin P. Johnson  
Steven A. Joliat  
David M. Kuchta  
Elizabeth K. Mann  
Steven R. McCrillis  
Michael J. Molnar  
Scott A. Raybuck  
David C. Revay  
Bruce M. Rusnak  
Joseph A. Sabolik  
Carl R. Schaub  
Jared A. Schnall  
Reinhard A. Schumacher  
William A. Shannon

**Class of 1979**  
Participation: 24%

Barbara A. Brown  
Joseph A. Buccilli  
Peter M. Burk  
F. Steven Chalmers III  
Richard M. Cotman  
Lawrence A. Deck  
James A. Dickerman  
William H. Emling  
Robert M. Ferencz  
David A. Fotland  
Thomas A. Gauthey  
Ann P. George  
Michel J. Ghosn  
Keith A. Gillis  
Diana L. Golis  
Dennis L. Harvey  
Don H. Hashiguchi  
Steven B. Herndon  
Jeffrey O. Herzog  
William J. Hinkle  
Kenneth L. Johnson  
Sandra L. Jonas  
Frank J. Kocjancic, Jr.  
Gregory J. Kuebler

James E. Lasch  
Laurel K. Lawrence  
Eugene Lozyniak  
Theodore N. Matsko  
Valentine C. Matula  
John P. Menniti  
Rudolph J. Mueller  
John Nadai  
Carl Polisena  
Elizabeth K. Priebe  
Jeffrey D. Schad  
Herbert W. Schilling  
Bruce W. Schober  
Gary S. Seldner  
Mary R. Shurtleff  
Steven S. Simmons  
J. Andy Sinclair  
Joyce R. Spencer  
Jonathan S. Super  
George J. Valco  
Cung K. Vu  
Robert B. Webster  
Stephen A. Wood

**Class of 1980**  
Participation: 15%

Richard D. Bliss  
Neal G. Christoph  
Henry C. Dress  
George B. Fitzgerald  
George E. Flax  
James L. Fulton  
David R. Gross  
Michael J. and Laurie S. Herceg  
Daryl W. Hess  
Mary Jane K. Hornung  
Mark A. Imbriani  
Joseph A. Landers  
Kathleen M. Lasch  
Donald E. Lewis  
Simon Lowenfeld  
Anthony R. Matlak  
Kathleen M. McCarthy  
John S. McDaniel  
Michael E. McHenry  
Ernest A. Miller  
Diane L. Mueller  
Thomas G. Nienhaus  
Philip G. Pasterak  
Diana R. Petruskas  
Steven P. Ruden  
Ruth A. Schmidt  
David A. Sekel



Steve N. Steffas  
Scott E. Stricker  
Stephen M. Sutor  
Mark L. Vonder Haar  
Robert L. Vanderwall  
Clayton L. VanDoren  
Thomas G. Wildman  
Mark A. Wollen  
Burch E. Zehner

**Class of 1981**  
Participation: 15%

Gregory S. Ammar  
Jay S. Bensusan  
David L. Blattenberger  
Bradley A. Boytim  
Richard E. Carande  
Michael T. Carey  
Gail L. Cochoff  
Steven M. Cochoff  
Robert J. Cox  
Peter A. dePouiloff  
J. Brendan Dooley, Jr.  
Joseph Doychak  
Steven R. Duckro  
Kyle Eberts  
Michael J. Folise  
John C. Gibbons  
Ramon A. Gomez  
James R. Gunderman  
Saad E. Hebboul

Laurie S. and  
Michael J. Herceg  
David Jones  
Marc P. Kelemen  
Maribeth E. Lekas  
Karl J. Lieberman  
Diane E. Mayer  
Russell Moy  
Bruce A. Phillips  
Stephen J. Ratcliff  
Mark G. Reichmann  
Kevin G. Robertson  
William E. Ryan  
Timothy A. Taubert  
Timothy Tucker  
Eva D. Vargas  
Scott A. Witzke  
Matthew B. Zimmt  
Michael G. Zink

**Class of 1982**  
Participation: 14%

Lynne Brotman  
David A. Butler  
Mark A. Centa  
William E. Conaway  
Amy McIntyre Cook  
Alexandra Duel-Hallen

*Continued on page 20*

*Thank You*

## WHY ANNUAL GIVING MATTERS



*“Alumni participation in the Case Fund, at any level, is crucial to the university’s overall success.”*



A gift to the **Case Fund®**, the annual fund for the Case School of Engineering and Applied Sciences, is a “vote of confidence” in the Case Alumni Association and the programs we support.

### BUT JUST WHAT DOES THAT VOTE MEAN?

According to Stephen J. Zinram, executive director of the Case Alumni Association, participation in the Case Fund is one of the most meaningful ways you can help the organization succeed. “The number of alumni who give every year helps to increase a value called “the percentage of giving,”” Zinram said. “A university’s status among its peer institutions is directly affected by the percentage of giving. A higher percentage of giving means more people are committed to your vision, and that helps us stand out among other places of higher education.”

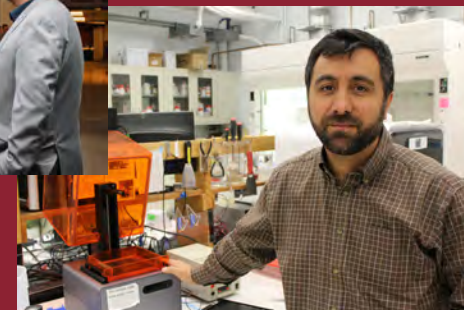
John Templeman, director of annual giving at Case Western Reserve University, confirmed that any increase in the percentage of giving to the annual fund can positively affect the university’s position in *U.S. News & World Report* rankings. “The Case Fund makes up 45 percent of undergraduate alumni giving at the university,” Templeman said. “Alumni participation in the Case Fund, at any level, is crucial to the university’s overall success.”

Giving to the Case Fund makes a big difference for Case Western Reserve at large, and for the specific programming it helps to fund. Here are just a few ways you can support our mission through the Case Fund.

*Dean Jeffrey Duerk works with his staff to identify the highest priorities within the school.*



*Apple co-founder Steve Wozniak came to campus in 2014 to meet with students, faculty and the community.*



*Professor Ozan Akkus PhD '00 in his lab, funded in part by his startup package.*

## AREAS OF GREATEST NEED

Case Fund gifts directed to “Areas of Greatest Need” are sent to the Office of the Dean of the Case School of Engineering, where Jeffrey Duerk PhD '87 works with his staff to identify the highest priorities within the school, such as making critical enhancements to facilities and infrastructure, responding quickly to emerging initiatives such as the Innovation Summit 2015, or bringing in notable figures to speak to the campus community, like Apple co-founder Steve Wozniak in 2014. “This money allows us to do things we wouldn’t otherwise be able to do,” said Cena Hilliard, associate dean of finance, administration & business operations at the Case School of Engineering.

This includes helping to provide startup funds to the best and brightest faculty, “which are crucial for attracting top talent, launching a professor’s career at Case Western Reserve, and drawing additional sponsors and funding,” Hilliard stated. Recently, start-up money funded in part by Case Fund giving helped to relocate mechanical and aerospace engineering professor Ozan Akkus PhD '00 and his Tissue Fabrication and Mechanobiology Lab to Case Western Reserve from Purdue University. The funding helped Akkus purchase much-needed equipment and hire students to work in the lab. Since then, Akkus has received a five-year, \$1.7 million grant from the National Institutes of Health to do research on the mechanics and construction of artificial replacement rotator cuffs for the shoulder. Outside support like a five-year commitment from the NIH is indicative of the high-quality work being done in Akkus’s lab, and will only help to attract more exciting researchers and grants to the university in the future.

## DEPARTMENTAL GIVING

Case Fund gifts designated to specific departments help chairs in the Case School of Engineering and the applied science and mathematics programs at the College of Arts & Sciences to support their area's faculty, students, and research interests. Here are just some of the exciting developments in departments across campus over the last year.

### Department of Materials Science & Engineering



*The foundry at the Department of Materials Science & Engineering*

In 2014-2015, the department welcomed two new faculty members and key personnel in the Solar Durability and Lifetime Extension Center: Tim Peshek '01, MS '03, PhD '08, who brings expertise in devices and electronic materials, and Laura Bruckman, who works in spectroscopy and data science. Professor Roger French has spearheaded the development of an applied data science minor in partnership with faculty across campus. Chair James McGuffin-Cawley believes this work will critically increase materials science & engineering students' familiarity with computational methods in materials. "Case Fund support allows us to focus on developments within the department that enrich the lives of our students," McGuffin-Cawley explained.

### Department of Physics

"Gifts from the Case Alumni Association are so important to our success as a department," stated department chair Kathleen Kash. Case Fund gifts directed to the Department of Physics in 2014-2015 helped underwrite the cost of students to use the Center for Materials for Optoelectronics Research and Education (MORE), a facility for materials synthesis and characterization that is open to all



*Dr. Ina Martin, MORE Center Director of Operations*

students and researchers on and off campus. The department also paid to help support the operational costs of the MORE Center. Discretionary funding also provides travel assistance to undergraduates, including the annual senior trip, individual research projects, and travel to the Annual Midwest Conference for Undergraduate Women in Physics.



*A student at work uses one of the "glove boxes" filled with nitrogen at the MORE Center.*

## PROGRAMMATIC GIVING

Case Fund gifts designated to specific programs can support student and faculty access to conferences, hands-on learning activities, and facilities on campus. In 2015, support from Case Fund gifts helped to send 16 female computer science and engineering students to the Grace Hopper Celebration of Women in Computing, up from nine Case Western Reserve attendees the previous year. This year's Grace Hopper Celebration attracted 12,000 registrants overall and provided these Case students with mentorship opportunities, networking prospects, and exposure to some of the biggest names in tech and computing.



*Case students met up with alumnae Jeni Panhorst '99 and Meaghan Fenelon '15 (back row, fifth and sixth from left) at GHC 2015.*



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*Continued from page 17*

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*Continued on page 22*



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*Continued from page 21*

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**Special Thanks**

CWRU Malaysian Alumni Chapter



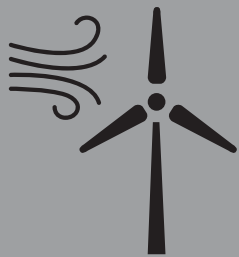
*Thank You*



# Support for the SOURCE & SURES Programs

The Support of Undergraduate Research and Creative Endeavors (SOURCE) and Summer Undergraduate Research in Energy and Sustainability (SURES) programs place undergraduate students as researchers in labs across campus and Northeast Ohio, giving these students early access to the kinds of hands-on experimentation and problem solving they will encounter in their post-graduation educations and careers.

In 2015, the Case Alumni Association provided



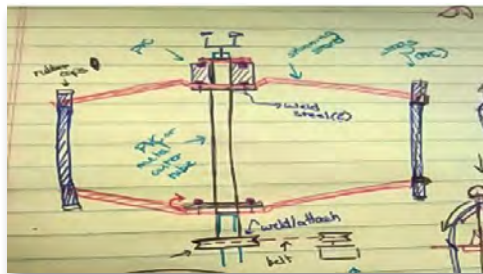
**\$91,500 to the SOURCE and SURES programs,** funding stipends for

**29 undergraduate student researchers.**



## ▶ **Spotlight on Innovation: Harnessing Wind Energy at Case Farms**

In May 2015, mechanical engineering majors Kelly Hacker '17 and Matt Patten '16 took on a project that would take months of research, design, and production: the construction of a wind turbine to help off-set electrical usage at Case Western Reserve University's Squire Valleevue and Valley Ridge Farms. Funded by the SOURCE program, the project provided both students with invaluable hands-on learning outside the classroom. Kelly and Matt walked us through how they tackled their project, a work still in progress.



### **Design Phase**

Kelly and Matt worked closely with their advisors to decide how to get the most efficiency and cost-effectiveness from their turbine's design, an experience both students were incredibly grateful

**1.**

for. "Within our engineering core education, there's really only enough time to do a brief introduction to all the important engineering concepts," Kelly said. "It's through summer research projects like this that you can really spend some quality time with this information, and reflect on what you still need to find out to fully solve the problem."

**2.**

### **Working Toward a Goal**

After researching the electrical needs of the farm, Kelly and Matt determined that their finished turbine could help off-set electrical usage in the farm's mushroom cellar, which grows mushrooms for local farmer's markets and food service on Case's campus. They decided on a power generation goal of 500 watts to help power the colonization rooms of the cellar, which use heating and cooling systems, lights, and electronic meters that gather data on the mushrooms and their environment.



# 3.

## Trash to Treasure

To cut costs, Kelly and Matt scavenged the buildings on the farm for unwanted items they might convert into parts for their turbine. "We drew a lot of inspiration from the materials we found around the farm: an old washing machine, a lot of PVC piping, an old deer-skinning stand, a radio dish," explained Kelly. "The final design incorporates the deer-skinning stand, which makes up the main central rotor, and all of the PVC piping, which we molded into the blades." The duo also repurposed a pre-existing wooden base that will eventually hold the finished turbine.



From left to right, Kelly and Matt show off the wooden base, molded plastic blades, and repurposed deer-skinning stand.

# 4.

## Putting It All Together

At the end of the summer, Kelly and Matt shared their project with a group of first-year engineering students visiting the farm. The students were inspired by the use of found materials, which didn't surprise Kelly. "For me, finding ways to reuse objects is at the heart of engineering innovation," she said. "When trying to find new ways to reuse objects, you are not allowing yourself to slip into that 'well this is how they've always done it' mindset. You have to truly analyze what it is you're trying to accomplish, and then try to figure out how you can do that with even the simplest of materials."



First-year students help to put the turbine in motion, standing in for the blades at the ends of the metal arms and the spinning rotor in the center.

# 5.

## Saying "Thank You"

The turbine project was fully-funded by SOURCE through a sponsorship from the Case Alumni Association, support that is not underappreciated by the students who received the stipends. "Without the stipend, I could not have worked on this project over the summer," Kelly explained. "Because of the Case Alumni Association, I was able to stay in Cleveland full-time and focus 100% on this project. This meant I did not have to worry about finding a part-time job to help pay for rent, or split my time between Cleveland and my hometown in Illinois. The stipend was truly an integral part to the success of the project, and I am so thankful for the support."





# Graduate Recognition

Thank you to the graduate alumni who help to support the next generation of students from the Case School of Engineering and the applied math and science programs of the College of Arts and Sciences of Case Western Reserve University.

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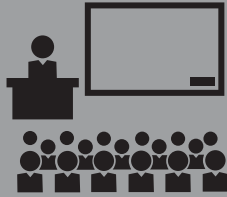
## LABORATORIES & BUILDINGS

In fiscal year 2014-2015, we provided

**\$1,319,896**  
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BEFORE

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In 2014-2015, we awarded **\$328,245** for priorities of the Dean, Case School of Engineering and faculty initiatives.

We gave **\$520,266** in other support of disciplines within Case Western Reserve University.



07/03/2014

07/17/2014

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## Spotlight on Innovation: The James Family Laboratory for Chemical Engineering



**AFTER**

*Bill '64 and Mary Jane James visit the completed lab space.*

In 2014, chemical engineering chair Uzi Landau realized he had a problem: his rapidly growing undergraduate classes were steadily outgrowing their lab spaces. In past years, the department graduated around 30-40 undergraduates a year, but that number had quickly jumped to 60-70 due to increased interest in the field. Professor Landau reached out to the Case Alumni Association and Mike Dolsak, assistant dean and executive director of development and external relations at the Case School of Engineering, who determined that they needed a special donor to lead the way. "Anytime you take on a large-scale project like this, you need to know who is going to be your champion," Dolsak explained. He approached chemical engineering alumnus Bill James '64 and his wife, Mary Jane. Bill, a retired director and executive assistant to the CTO at Procter & Gamble, and Mary Jane were both thrilled by

the opportunity to make an immediate difference on campus and to inspire fellow alumni and friends.

Dolsak knew that by approaching Bill and Mary Jane, he'd found the best champions for the project, the establishment of an entirely new chemical and process control undergraduate teaching lab on the third floor of the A.W. Smith Building. "We could not have done this without them," Dolsak said. "They are the perfect example of why the power of philanthropy is so special. This entire lab was built with support from our alumni and friends inspired by their leadership." Once Bill and Mary Jane signed on, Dolsak was able to garner significant support from others, including Jim '51 and Elisabeth Kauer, Jerry Wasserman '76, Bill '64 and Gayle Schimming, C.C. Liu PhD '68 and Ann Boughner MBA '88, Nick Trivisonno '50, MS '55, PhD '58, Tim McDonel '55, MS '57, PhD '60, Bob '52 and Brenda Aiken, and Bart DiLiddo PhD '60. "The alumni and faculty who contributed to establishing the laboratory all recognize the value of experiential learning," James explained. "Aspiring engineers need to have a first-class facility to conduct experiments, collect data and develop technical conclusions." The new James Family Laboratory supports innovative teaching and learning in a flexible, multi-purpose space that serves three of the department's expanded undergraduate classes. Bill and Mary Jane "stepped up in a big way," Dolsak said, creating a lasting impact on campus. "This lab was sorely needed, and it's been gratifying to see it in operation," James said. "It's what modern education is all about."



*The James Family Laboratory's moveable desks, chairs, and white boards are used by a number of courses, including the process control junior lab led by professors Heidi Martin '93, MS '96, PhD '00 and Craig Virnelson.*



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Thank you to the generous friends of the Case Alumni Association, the Case School of Engineering and the applied sciences and mathematics programs of the College of Arts and Sciences. Your gifts helped implement initiatives, upgrade facilities and provide student scholarships.

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 Marjorie B. Ritchie  
 (Charles I. Ritchie '51)

Howard E. Roth '45  
 Virginia R. Rutledge  
 (Bruce Richardson '18)  
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 Edwin M. Salkeld, Jr. '57  
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 Paul Stephan '64  
 Frances M. Stirgwort  
 Paul L. Stone '41  
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 Ethel I. Umbenhour  
 (Russell Umbenhour '43)  
 Lois C. Urban  
 (Robert A. Urban '45)  
 Mike P. Vasilakes '51  
 Irene Vozar  
 (James G. Bishop '50)  
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 Cathryn L. Wilson  
 (Stephen A. Wilson '36)  
 William S. Woulfin '66  
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 (Martin J. Yohalem '41)  
 Samuel A. York, Jr. '54  
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# Endowed Giving

In fiscal year 2014-2015, the Case Alumni Foundation received endowed gifts totaling \$6,494,300. Thank you to these individuals and their families and friends for investing in the future of the Case School of Engineering and the applied science and mathematics programs of the College of Arts & Sciences at Case Western Reserve University.



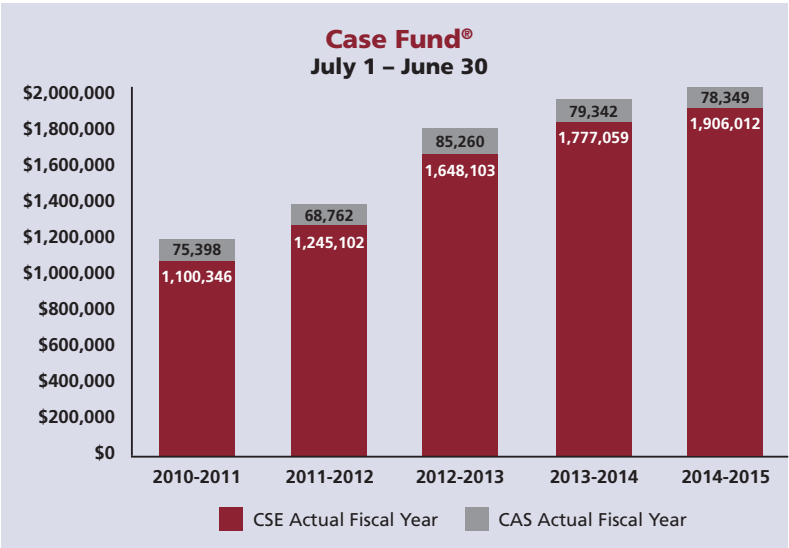
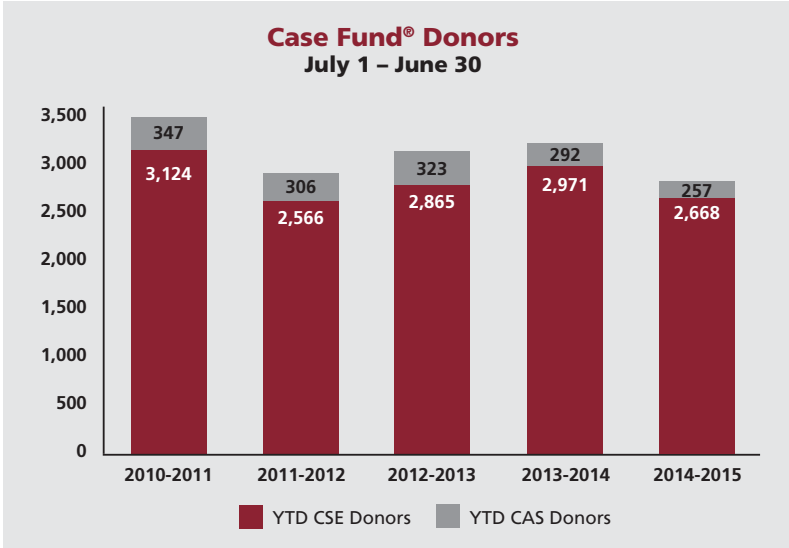
## CASE ALUMNI FOUNDATION

Support for the Case School of Engineering and math and applied sciences of Case Western Reserve University

The John M. Cazier '50 Scholarship Fund	\$200,000
Contributions to the Class of 1955 Scholarship Fund	20,100
The Donald Dick '55 Scholarship Fund	33,000
The Willard C. '42 and Mary E. Hays Columbus & Central Ohio Scholarship Fund	125,000
The William E. Sebesta '42 Scholarship Fund	617,200
The John O. Tucker '49 Scholarship Fund	
• Graduate Scholarship Fund	2,489,500
• Master of Engineering Management Scholarship Fund	2,489,500
The Russel E. '43 and Ethel I. Umbenhour Scholarship Fund	20,000
Contributions to the Mr. & Mrs. Wayne E. Zahn '49 Scholarship Fund	500,000

**Total: \$6,494,300**





Gifts to the Case Fund help support innovation from our students, faculty, and community. We are grateful for your support. To learn more and to give a gift today, visit [www.casealum.org/annualappeal](http://www.casealum.org/annualappeal)

*“Being a member of the Case School of Engineering community means ensuring that ‘Aha’ moments permeate our culture. These moments happen for everyone and they don’t happen overnight. There can be hundreds and hundreds of hours of work by teams of individuals that build up to a critical single moment – an inflection point. But these moments are powerful and unique, unquestionably worth all of the hard work it takes to get there. The beauty of this place is that we can all harness our passion and have more of the moments we each find most exciting.”*

~ Jeffrey Duerk PhD '87  
Dean of the Case School of Engineering



# Combined Financial Report

This report reflects the financial reporting of the Case Alumni Association Incorporated and the Case Alumni Foundation. Copies of the audited financial statements are available through Thomas J. Conlon, Chief Financial Officer, at 216-368-2475 or [thomas.conlon@casealum.org](mailto:thomas.conlon@casealum.org).



## CASE ALUMNI FOUNDATION

Support for the Case School of Engineering and math and applied sciences of Case Western Reserve University

	2015	2014
<b>REVENUE:</b>		
Gifts	\$8,447,550	\$3,569,888
Investment Income	1,113,145	890,793
Realized Gains	915,794	490,484
Unrealized Gains (Losses)	(1,441,871)	6,334,259
Change in Value of Life Income Trusts	12,363	402,665
Other Income	12,458	28,256
<b>Total Revenue</b>	<b>9,059,439</b>	<b>11,716,345</b>
<b>EXPENSES:</b>		
<b>University Support:</b>		
Case School of Engineering Labs	736,050	1,058,043
College of Arts & Sciences Labs	1,339,300	734,294
Faculty Development & Professorships	184,250	158,378
Student Support & Programs	101,455	105,547
Fellowships	212,707	226,770
Other Support of CWRU	169,519	159,134
<b>Total University Support</b>	<b>2,743,281</b>	<b>2,442,166</b>
<b>Student &amp; Alumni Support:</b>		
Scholarships	1,234,764	1,152,127
Alumni & Student Support	1,008,089	985,731
<b>Total Student &amp; Alumni Support</b>	<b>2,242,853</b>	<b>2,137,858</b>
<b>Total University, Student and Alumni Support</b>	<b>4,986,134</b>	<b>4,580,024</b>
<b>Fund Raising &amp; Management Expenses</b>	<b>372,371</b>	<b>365,792</b>
<b>Total Expenses</b>	<b>5,358,505</b>	<b>4,945,816</b>
<b>Revenue (Under) Over Expenses</b>	<b>\$3,700,934</b>	<b>\$6,770,529</b>



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**Jeff Herzog '79**  
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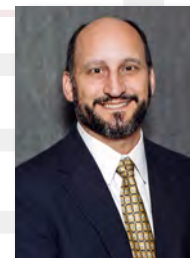
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## Mission of the Case Alumni Association

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"To serve and advance the interests of the Case School of Engineering, the math and applied sciences of Case Western Reserve University, its alumni, and its students through a strategic focus on fund raising, institutional leadership, responsive services, public relations, and student programs."



# CASE ALUMNI FOUNDATION

*Support for the Case School of Engineering and math and applied sciences of Case Western Reserve University*