

**AKRON COUNCIL OF
ENGINEERING AND SCIENTIFIC SOCIETIES
58th ANNUAL
HONORS AND AWARDS BANQUET**



**Thursday, November 3, 2005
Guy's Party Center**

FirstEnergy **Foundation**

A special thanks to FirstEnergy Foundation for their generous gift honoring the school science teachers and outstanding students!



The Goodyear Tire & Rubber Company, the world's largest tire company, is proud to be a strong supporter of ACCESS and its mission.

In recognition of the importance of education in the engineering and science fields, Goodyear is sponsoring two \$1,500 scholarships during the current school year. The scholarships are offered at The University of Akron and Kent State University.

**58th ANNUAL
ACCESS HONORS & AWARDS BANQUET PROGRAM
Guy's Party Center November 3rd, 2005**

• <i>Welcome, Opening Remarks</i>	Mr Brent Sisler President, ACCESS
• <i>America the Beautiful</i>	Mr Dan Lindenberger
<i>Dinner</i>	
• <i>Outstanding High School Student & Teacher Awards</i> <i>-Presentation of Certificates of Recognition to Outstanding Students & Teachers from High Schools and Middle Schools in Summit County</i>	-Certificates presented by Mr Brent Sisler / Mr Guy L Pipitone -Winners announced by Dr Kathleen Sparrow & Dr Missi Zender
• <i>Banquet Introductions</i> <i>-Honorary Banquet Chairman</i> <i>-ACCESS Advisory Council</i>	Mr Brent Sisler -Mr Guy L Pipitone FirstEnergy Corp -ACCESS Advisory Council
• <i>Honors & Awards</i> <i>-Best of Show Akron Science & Technology Expo</i> <i>-Best of Show Western Reserve District Science Day</i> <i>-ACCESS Grant Winners</i> <i>-ACCESS Scholarship Award</i> <i>-ACS Awards</i> <i>-ACCESS Award</i> <i>-Distinguished Award of Council</i>	Dr Daniel H Jones / Mr Brent Sisler -Emre Kugouglu & Sae-Jin Chung Firestone High School -Jacob Clark St Matthew Parish School / Walsh Pam Groom, Kimpton Middle School Heather Van Orman, Kimpton Middle School Jim Brown, Kimpton Middle School Betty Indriolo, St Sebastian Elementary School Russ Calvert, Barberton High School Jeff Moyer, Tallmadge High School -Mollie Beery, The University of Akron -Abigail Hubbard, Kent State University -Sean Trevino, Mt Union College -Abigail Hubbard, Kent State University -Brian Pennington, Walsh University -Sean Little, Hiram College -Jessica Johnson, Malone College -Shawn Roberts, The University of Akron -Dr Daniel H Jones -Mr George J Sacco, Jr Director, Corporate Compliance & Ethics The Goodyear Tire & Rubber Company
• <i>Speaker Introduction</i> Engineering Adventures on the Seventh Continent Ms M K "Trina" Baldwin, PE Commander, Civil Engineering Corps, US Navy, Retired	Mr Brent Sisler
• <i>Closing Remarks</i>	Mr Brent Sisler



2005-2006 ACCESS OFFICERS

President:	Brent Sisler, ADSPE, ASME	The Babcock & Wilcox Co
President Elect:	Dr Dan Jones, ACS, AIChE, SPE	Lockheed Martin Maritime Systems & Sensors
Treasurer:	Joseph Feil, AIChE	Retired
Secretary:	Ruth Murray, ACS	Retired
Past President:	Dr Dan Jones, ACS, AIChE, SPE	Lockheed Martin Maritime Systems & Sensors

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<u>BANQUET</u> Mike Buza, ASME	<u>HONORS & AWARDS</u> Marian Rousek, ACS
<u>COMMUNICATIONS</u> Dr Ken Batchter, ACM	<u>STUDENT OUTREACH</u> Brent Sisler, ADSPE, ASME
<u>COMMUNITY RELATIONS</u> Brent Sisler, ADSPE, ASME	<u>STRATEGIC PLANNING</u> Dr Anoop Krishen, ACS

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<u>ACM:</u> Dr Ken Batchter, Delegate	<u>ASHRAE:</u> Steve Piescuik, Chair Jim Slovan, Delegate
<u>ACS:</u> Dr Valerie P Woodward, Chair Dr Anoop Krishen, Delegate Marian Rousek, Delegate	<u>ASME:</u> Brent Sisler, Chair Mike Buza, Delegate James M Parish, Delegate
<u>ADSPE:</u> Mark Elicker, President Clifford H Greive, Delegate Dwayne A Groll, Delegate	<u>ASSE:</u> Cindi Veltri, Chair Jeff Peecook, Delegate
<u>AIChE:</u> Tom Flynn, Chair Joe Feil, Delegate Walt Ruthenburg, Delegate	<u>IEEE:</u> Rob Voss, Chair Dennis Ledel, Delegate Rick Buchanan, Delegate
<u>ASCE:</u> Genny Barth, President Gregg Loesch, Delegate John Malivuk, Delegate	<u>SME:</u> Bill Kessler, Chair Bill Marzich, Delegate
<u>SPE:</u> Dr Lloyd A Goettler, President Joe Mattingly, Delegate Robert Wegelin, Delegate	



AKRON COUNCIL ENGINEERING AND SCIENTIFIC SOCIETIES (ACCESS)

The purpose of the Akron Council of Engineering and Scientific Societies (ACCESS) is to enhance the technical environment in the Greater Akron area through coordination and cooperation with technical societies, industry and academia by:

- Providing a forum for action on matters of concern and interest to the technical and scientific communities.
- Serving as a focal point for contact between the technical community and the business community, academia and society at large.
- Promoting inter-society communication, professional interchange of ideas and coordination of society activities.
- Promoting interest in and encouraging careers in technical professions.

ACCESS is a non-profit 501(c)(3) organization, incorporated under the laws of the State of Ohio, operating exclusively for scientific and educational purposes.

Societies eligible for council membership are professional technical organizations with acceptable ethical standards, which have, as their objectives, the advancement of the theory and practice of the science concerned. Societies include:

- Akron Section of the American Chemical Society (ACS)
- Akron District Society of Professional Engineers (ADSPE);
- Akron Section of the American Institute of Chemical Engineers (AIChE)
- Akron-Canton Section of the American Society of Mechanical Engineers (ASME)
- Akron Section of the Institute of Electrical and Electronic Engineers (IEEE)
- Akron-Canton Section of the American Society of Civil Engineers (ASCE)
- American Society of Heating, Refrigerating, & Air Conditioning Engineers (ASHRAE)
- American Society of Safety Engineers (ASSE)
- Association for Computing Machinery (ACM)
- Society of Manufacturing Engineers (SME)
- Society of Plastics Engineers (SPE)



2005-2006 ACCESS ADVISORY COUNCIL

• Mr Clark G Reed	Director, Technical Operations Lockheed Martin Maritime Systems & Sensors
• Mr Robert A Handelman	President Chemstress Consultant Company
• Mr Kim L Whiteman	Director, Human Resources Global RD&E & Corporate Services The Goodyear Tire & Rubber Company
• Dr George R Newkome	Vice President for Research The University of Akron
• Dr Sharell Mikesell	Executive Director Ohio Polymer Strategy Council
• Dr Michael Askew	Hoyt Research Laboratory Summa Health System
• Dr Barry Rosenbaum	Senior Fellow The University of Akron Research Foundation
• Dr Raj Chowdhury	Dean, School of Technology Kent State University
• Dr Nick Triantafillopoulos	Director, Akron Technology Center OMNOVA Solutions, Inc

The ACCESS Advisory Council consists of six or more business and/or technical leaders of the Greater Akron Area who are selected annually by the ACCESS President. The purpose of the Advisory Council is to act in an advisory capacity to the ACCESS Board of Directors.

Members of the Advisory Council are also available, as needed, to assist the ACCESS Board of Directors in the accomplishment of ACCESS objectives. The Board of Directors of ACCESS expresses it's thanks to the Advisory Council members for their time and assistance.

2005 ACCESS HONORS & AWARDS BANQUET COMMITTEE

• Mr Guy L Pipitone	Honorary Chair Senior VP, Operations Strategy & Development FirstEnergy Corp
• Mike Buza, ASME	Committee Chair, Retired
• Dr Dan Jones, ACS, AIChE, SPE	Lockheed Martin Maritime Systems & Sensors
• Dr Anoop Krishen, ACS	Retired
• Joseph Feil, AIChE	Retired
• George Deisz, ACS	M&G Polymers USA, LLC
• Marshall Hyden, SME	Retired
• Brent Sisler, ADSPE, ASME	The Babcock & Wilcox Co
• Dr Kathleen Sparrow	Akron Public Schools
• Marian Rousek, ACS	M&G Polymers USA, LLC

THE ACESS AWARD

The ACESS Award is given to an individual who has made an outstanding contribution to the Akron Council of Engineering & Scientific Societies. The 2005 recipient, Dr Daniel H Jones, has held many roles in ACESS and other professional societies.



A polymer chemist by training, Dan has served aspiring scientists and engineers in many capacities. He designed and wrote the curriculum for the polymer technology program at Akron's East High School, where he taught for 11 years. In addition to serving as ACESS President in 2004 - 2005, Dan has served as chair of the Akron Section of the American Institute of Chemical Engineers (AIChE), as alternate councilor for the Akron Section of the American Chemical Society (ACS) for 6 years, and on the education committee of the Society of Plastics Engineers (SPE). He is also a member of the American Society of Mechanical Engineers (ASME) and the ACS Rubber Division.

Dan always enjoys teaching the principles of scientific inquiry to young minds, especially assisting students in creating polymer education programs offered at the Akron Summit County Public Library and Akron elementary schools. He submitted and received a "Raising the Bar" grant which provided East High School with \$200,000 in technology to improve classroom instruction. A grant from the City of Akron enabled him to train high school seniors and recent graduates from the Enterprise Zone Community in summer internship programs that focused on encouraging students to remain in the community and in the polymer industry.

Dan has held research positions at the University of Akron and Master Builders Technologies. He received his training at Carnegie Mellon University, Pittsburgh, Pennsylvania, and at the Université de Provence, Marseilles, France.

Dan has been married to Jean for 23 years. He is the proud father of Laura, a senior at Miami University of Ohio, BarbaraJoy, a freshman at Case Western University, and Cerise, a student at Litchfield Middle School. He also enjoys playing with Ginger, the family's golden retriever.



OUTSTANDING STUDENTS & TEACHERS **from High Schools in Summit County**



Recognition is extended to the following science teachers and students from high schools in Summit County.

SCHOOL	TEACHER	STUDENTS
• <i>Buchtel High School, Akron</i>	-Stephen Kemp	-Mark Bradley -Dominique Williams
• <i>Central Hower High School, Akron</i>	-Keith Cubbedge	-Aja Mixon -Holly Wickwire
• <i>East High School, Akron</i>	-Sharon Kaffen	-David Hull -Emily Yakubik
• <i>Ellet High School, Akron</i>	-Steve Gambaccini	-Diana Smith -Nick Thompson
• <i>Firestone High School, Akron</i>	-Diana Williams	-Daniel McFarland -Rebecca Ruppert
• <i>Garfield High School, Akron</i>	-Rick Sims	-Erik Fendenheim -Sharon Levesque
• <i>Kenmore High School, Akron</i>	-Teresa Homan	-Joy Caldwell -Felicia Green
• <i>North High School, Akron</i>	-William Alkire	-Crystal Colbert -Matthew Uy
• <i>Copley High School</i>	-Peggy Neidlinger	-Amelia Lamp -Tracy Meng
• <i>Cuyahoga Falls High School</i>	-Wesley Emch	-Rachel Manthe -Brian Day
• <i>Green High School</i>	-Mike Owen	-Curtis M Riley III -Samantha Rose
• <i>Manchester High School</i>	-Sandra McClain	-Katie Burgoon -Tony Hernandez
• <i>Mogadore High School</i>	-Jerry Vydra	-Alix Reilly -Ryan Carris
• <i>Nordonia Hills High School</i>	-Barbara McMichael	-Joshua Crist -Jamie Ho
• <i>Springfield High School</i>	-Toni Miller	-Stephanie Cain -Kendall Steinle
• <i>Stow-Munroe Falls High School</i>	-Carolyn J Kurtz	-Kelsey Reed -Pat Wagers
• <i>Tallmadge High School</i>	-Jeff Moyer	-Thomas Fortner -Rachel Grace

SCHOOL	TEACHER	STUDENTS
• <i>Archbishop Hoban High School</i>	-Paul Donatelli	-Amber Beery -Peter Mushenheim
• <i>St Vincent – St Mary High School</i>	-Marcia Korllos	-Bridget Mundy -Ryan Konn
• <i>Walsh Jesuit High School</i>	-Patrick Ritchie	-Joseph Bunjevac -Michael Kelley

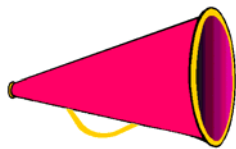


OUTSTANDING TEACHERS **from Middle Schools in Summit County**



Recognition is extended to the following science teachers
from middle schools in Summit County.

SCHOOL	TEACHER
• <i>Goodrich Middle School, Akron</i>	-Sandra Cline
• <i>Goodyear Middle School, Akron</i>	-Jill Holcomb
• <i>Hyre Middle School, Akron</i>	-Adriana Eidom
• <i>Innes Middle School, Akron</i>	-Robin Clark
• <i>Jennings Middle School, Akron</i>	-Susan Hall
• <i>Kent Middle School, Akron</i>	-Tiffany Lundy
• <i>Litchfield Middle School, Akron</i>	-Eleanor Campbell
• <i>Miller South Middle School, Akron</i>	-Louise Heydorn
• <i>Perkins Middle School, Akron</i>	- Morgan Greene
• <i>Riedinger Middle School, Akron</i>	-Chad Nash
• <i>Copley-Fairlawn Middle School</i>	-Angie Matesevac
• <i>Green Middle School</i>	-Cheryl Dimengo
• <i>Hudson Middle School</i>	-Ken Radie
• <i>Kimpton Middle School, Stow-Munroe Falls</i>	-Joan M Kubus
• <i>Woodridge Middle School</i>	-Jeff Howard
• <i>Immaculate Heart of Mary School</i>	-Nicole Cochran
• <i>St Sebastian Elementary School</i>	-Betty Indriolo



SCIENCE FAIR WINNERS

Best of Show Akron Science & Technology Expo

Emre Kugouglu and Sae-Jin Chung won the ACCESS Award for the outstanding project at the Akron Science & Technology Expo held at the Akron Central Hower High School on February 26, 2005. The title of their project was "How Strong Are Adhesives Really?". Emre and Sae-Jin are currently in the 11th grade at Firestone High School in Akron, Ohio. Their science advisor was Mr Keith Ohnhaus.

Best of Show 56th Western Reserve District 5 Science Day

Jacob Clark won the ACCESS Award for the outstanding project at the 56th Western Reserve District 5 Science Day held at The University of Akron on March 5, 2005. The title of his project was "Ethanol Production from the Fermentation of Food Waste". Jacob is currently in the 9th grade at Walsh Jesuit High School in Cuyahoga Falls, Ohio. He completed this project while at St Matthew Parish School in Akron, Ohio.



ACCESS SCHOLARSHIP AWARD WINNERS

Two \$1,000 scholarships are awarded each year, one each to a student of The University of Akron and to a student of Kent State University. To be eligible, the student must be a junior and working toward a four-year degree in a technical area that is related to at least one of the areas represented by ACCESS member societies.

The University of Akron

Ms Mollie Beery
Mechanical Engineering

Kent State University

Ms Abigail Hubbard
Chemistry



ACS AWARD WINNERS



Each year the Akron Section of the American Chemical Society (ACS) provides six \$500 awards to students in nearby colleges and universities. This year's winners are:

Mt Union College	
Sean Trevino	Dr Scott Mason, Advisor
Kent State University	
Abigail Hubbard	Dr Songping D Huang, Advisor
Walsh University	
Brian Pennington	Dr Mary Rohrdanz, Advisor
Hiram College	
Sean Little	Dr Colleen Fried, Advisor
Malone College	
Jessica Johnson	Dr Jeff Goff, Advisor
The University of Akron	
Shawn Roberts	Dr Kim Calvo, Advisor



ACCESS GRANT AWARD WINNERS

ACCESS recognizes the need for students to carry out experiments and projects to further math or science education at their school. One-time grants of \$500 are being awarded to six winners based on their grant applications.

<i>Understanding Waves – Solar Applications</i>	
Pam Groom	Kimpton Middle School
<i>October Sky Rocket Dreams</i>	
Heather Van Orman	Kimpton Middle School
<i>Understanding Waves – Radio Applications</i>	
Jim Brown	Kimpton Middle School
<i>The Tide Rises, The Tide Falls</i>	
Betty Indriolo	St Sebastian Elementary School
<i>Handheld Bio-Environment Labs</i>	
Russ Calvert	Barberton High School
<i>Calculator-Based Science Labs</i>	
Jeff Moyer	Tallmadge High School



THE DISTINGUISHED AWARD OF COUNCIL

The Distinguished Award of Council is presented annually to an outstanding citizen for his/her technical and managerial achievements and involvement in civic activities. The 2005 recipient of this award is Mr George J Sacco, Jr.

George J Sacco, Jr was appointed director of Corporate Compliance and Ethics for The Goodyear Tire & Rubber Company on June 1, 2005. In this role, he is responsible for the global development, implementation and administration of programs that ensure Goodyear's commitment to compliance and the highest standards of ethics and integrity.



During his Goodyear career, Sacco has overseen personnel activities, building administration, budgeting, safety, training programs, purchasing, security and several other functions. Most recently, he was director of Human Resources for Global Research, Development & Engineering and Corporate Services, a position he held since December, 2003. In that role, he had global responsibility for human resources and administrative activities for all of the company's technical and functional divisions.

Sacco earned a degree in personnel management from the University of Dayton in 1964, and completed the University of Michigan advanced human resource executive program in 1993. He served in the US Army as a captain with the adjutant general corps, and joined Goodyear in 1967 as a trainee. His early career included industrial engineering, employment and personnel positions at Goodyear facilities in North Chicago, Illinois, San Angelo, Texas and Sun Prairie, Wisconsin.

In 1977, he was named manager of R&D administration and services, and administrator of Goodyear's Research Division. He became manager of R&D personnel development in 1978. In that role, he created new programs for research employee career progression and conducted the logistics operations of the Research Division. Sacco held additional leadership positions in the 1980s and 1990s, as director of human resources for global support operations, and director of human resources for technology and engineering. From 1999 to 2003, he was Goodyear's director of Human Resources for technology and global products.

Sacco is a member of the Society for Human Resource Management and the Industrial Research Institute. In 1983, he was named Business Associate of the Year by the American Business Women's Association. He is in Marquis' *Who's Who in the Midwest*, and co-authored the article, "Restructuring the Dual Ladder at Goodyear" which appeared in the July-August, 1983 issue of *Research Management*. He is a member of the Summit County Workforce Investment Board, the Advisory Board of Editors of the Industrial Research Institute, and was a past ACCESS Advisory Board member.



BANQUET SPEAKER



MS M K “TRINA” BALDWIN, PE “Engineering Adventures on the Seventh Continent”



Ms Baldwin is a recently retired Commander in the Civil Engineer Corps of the U.S. Navy. For twenty years, she served in a variety of construction management, facilities maintenance, and headquarters-level staff positions for the Navy, Marine Corps, and Department of Defense. In addition to Antarctica, she has served on Guam, Sicily, Okinawa, and several locations in the U.S. She was graduated from Clemson University in 1984 and earned a Masters in Mechanical Engineering from Georgia Tech in 1992.

Constantly cold and windy, and dark for half of the year, Antarctica is considered one of the harshest climates on Earth. Things that we take for granted here in the USA are often extremely challenging in the Antarctic...things like building roads and piers, operating machinery, fighting fires and construction.



Lieutenant M K Baldwin, Civil Engineer Corps, United States Navy, discusses her experiences during her year as the Officer in Charge of the 1990-1991 Winter-Over Detachment - McMurdo, Antarctica. Daily life on the seventh continent including aviation and ship operation with photos of the surrounding area and wildlife are reviewed.

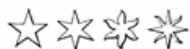




ACCESS PAST PRESIDENTS

During the years since its founding in 1946, ACCESS has been fortunate in having had many good men and women serve as president. We thank the following individuals for giving of their time and energy to help, maintain, and guide the Council. A list of Presidents since 1980 includes:

1980	Anoop Krishen, ACS
1981	William Budd, AIChE
1982	William Budd, AIChE
1983	Richard L Buchanan, IEEE
1984	Marian M Rousek, ACS
1985	Raymond D Gates, ACS
1986	Joseph N Feil, AIChE
1987	Gene C White, ASQC
1988	Thomas Knupp, AIHA
1989	Nils E Nilsson, ADSPE
1990	Gary R Lanier, IEEE
1991	Daniel Gleghorn, AIHA
1992	Rob Ludlum, IEEE
1993	Kenneth Batcher, ACM
1994	Jeffrey Bechtel, IIE
1995	Thomas Bute, ASSE
1996	Gary R Lanier, IEEE
1997	Michael J Buza, ASME
1998	Paul Keck, IEEE
1999	Rick L Buchanan, ADSPE
2000	Rick L Buchanan, ADSPE
2001	Michael J Buza, ASME
2002	Michael S Powers, ASME
2002	E Charles Galloway, ACS
2003	Anoop Krishen, ACS
2004	Dan Jones, ACS, AIChE, SPE





ACCESS AWARD WINNERS

The Distinguished Award of Council is presented to an outstanding Akron area citizen and the ACCESS Award to an individual who has made exceptional contributions to ACCESS. Past winners of these two prestigious awards since 1980 are listed:

Distinguished Award of Council	Year	ACCESS Award
Dr Robert J Fawcett	1980	Mr Renato Ciccolini
Mr Robert O Lankenau	1981	Mr Clifton A Byers
Mr John H Gerstenmaier	1982	Mr John Kekela Mr Walter J Ruthenburg
Mr Delmer C Dague	1983	Mr Durward T Roberts
Dr Charles P Radar	1984	Mr William Budd
Mr Robert A Handelman	1985	Mr Richard L Buchanan
Mr F Vincent Prus	1986	Ms Marian M Rousek
Dr Louis A Hill, Jr	1987	Dr Anoop Krishen
Mr Tom H Barrett	1988	
Mr Edwin W Oldham	1989	Dr Raymond D Gates
Dr Joginder Lal	1990	Mr Marshall P Hyden
Dr Russell A Livigni	1991	Mr Joseph N Feil
Dr Edwin J C Sobey	1992	Mr Thomas W Knupp
Dr Adel F Halasa	1993	
Dr Krishna C Baranwal	1994	Mr Gary Lanier
Dr Frank N Kelley	1995	Mr Dan Gleghorn
Dr Sundar Aggarwal	1996	Mr Thomas Bute
Mr William R Holland	1997	Dr Kenneth E Batcher
Mr David L Yeager	1998	Mr Michael J Buza
Dr E Charles Galloway	1999	Ms Ruth Murray
Dr Luis M Proenza	2000	
Dr Kathleen Sparrow	2001	
Mr William J Bandy, Jr	2002	
Mr Thomas C Sawyer	2003	Dr E Charles Galloway
Mayor Donald L Plusquellic	2004	Jan Ruthenburg



**The Akron Council of Engineering & Scientific Societies
gratefully acknowledges the financial support
of the following organizations:**



**Akrochem Corporation
Akron Section of the American Chemical Society
Akron Section Institute of Electrical & Electronic Engineers
Akron-Canton American Society of Mechanical Engineers
The Babcock & Wilcox Company
Bridgestone Firestone, Inc
Chemstress Consultant Company
FirstEnergy Corporation
The Goodyear Tire & Rubber Company
Hottle and Associates
Lockheed Martin Maritime Systems & Sensors
M&G Polymers USA, LLC
OMNOVA Solutions, Inc
Society of Plastics Engineers**

