

Spring 5-28-1994

1994 Rose-Hulman Institute of Technology : One-Hundred and Sixteenth Commencement

Rose-Hulman

Rose-Hulman Institute of Technology, weir1@rose-hulman.edu

Follow this and additional works at: <http://scholar.rose-hulman.edu/commencementprograms>

Recommended Citation

Rose-Hulman, "1994 Rose-Hulman Institute of Technology : One-Hundred and Sixteenth Commencement" (1994). *Commencement Programs*. Book 11.

<http://scholar.rose-hulman.edu/commencementprograms/11>

This Book is brought to you for free and open access by Rose-Hulman Scholar. It has been accepted for inclusion in Commencement Programs by an authorized administrator of Rose-Hulman Scholar. For more information, please contact weir1@rose-hulman.edu.

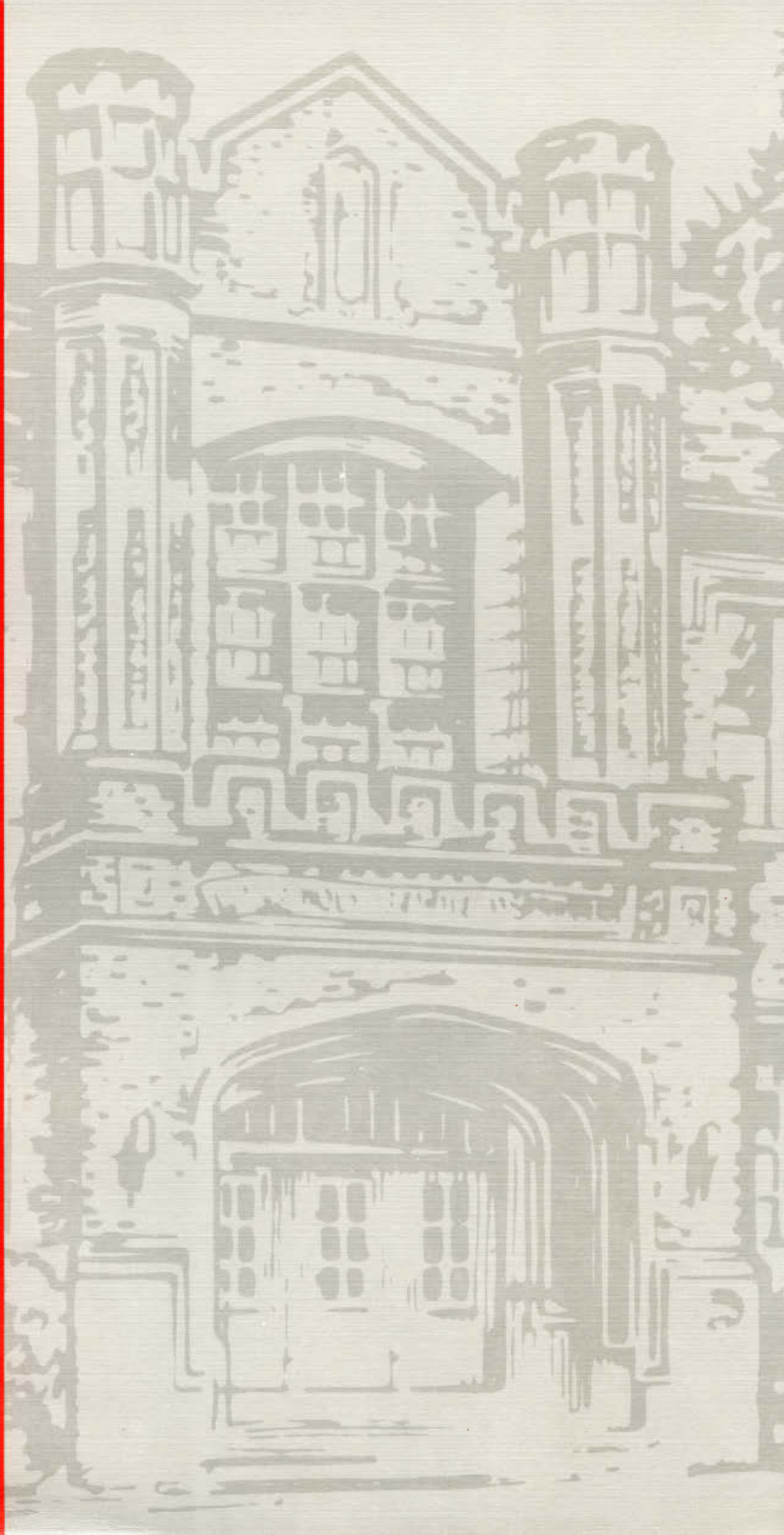
One Hundred
and Sixteenth
Commencement
of



Rose-Hulman
Institute of
Technology



May 28, 1994



**One Hundred and Sixteenth
Commencement**

of

Rose-Hulman Institute

of Technology



**11 a.m., May 28, 1994
Shook Fieldhouse**

Commencement Program

Prelude.....	“Chaconne” by Louis Couperin
Academic Procession	Jess R. Lucas, B.S., M.S., Ph.D. <i>Marshal</i>
Processional	<i>Prince of Denmark March and Trumpet Tune</i> by Henry Purcell
National Anthem	Andrew R. Mech, B.S., M.S., Ph.D. <i>Associate Professor of Mechanical Engineering</i>
Invocation.....	Gary R. Gutknecht <i>President, Blue Key</i>
Greeting from the Alumni	Walter F. Johanningsmeier, ‘56, B.S., M.S. <i>President, Alumni Association</i>
Response from the Senior Class.....	Brock A. Taylor <i>President, Senior Class</i>
Introduction of Commencement Speaker	Kevin W. Hayes <i>President, Student Government Association</i>
Commencement Address.....	Larry L. Hench, B.Cer.E., Ph.D. <i>Graduate Research Professor of Materials Science and Engineering, Director of the Bioglass Research Center and Co-Director of the Advanced Materials Research Center University of Florida, Gainesville, Florida</i>
Organ Interlude.....	“Cantilena” by Carl Simone
Awarding of Heminway Medal	James R. Eifert, B.S., M.S., Ph.D. <i>Vice President for Academic Affairs</i>
John T. Royse Award	Jess R. Lucas <i>Vice President for Student Affairs</i>
Herman A. Moench Distinguished Senior Commendation	Robert Steinhauser, B.S., M.S. <i>Herman A. Moench Distinguished Professor</i>
Awarding of Honorary Degrees.....	Samuel F. Hulbert, B.S., Ph.D. <i>President, Rose-Hulman Institute of Technology</i>
William G. Dedert (Doctor of Engineering), Introduced by Ronald S. Artigue, B.S., M.S., D.E.	
Larry L. Hench (Doctor of Engineering), Introduced by David Stienstra, B.S., MSME, Ph.D.	
Robert E. Miller (Doctor of Engineering), Introduced by Barry J. Farbrother, B.Sc., Ph.D.	
Ralph A. Mitchell (Doctor of Engineering), Introduced by James L. McKinney, B.S., M.S., Ph.D.	
L. Donald Simpson (Doctor of Engineering), Introduced by Jerry A. Caskey, B.S., M.S., Ph.D.	
Presentation of Fifty-Year Commemorative Degrees.....	Samuel F. Hulbert
Conferring of Degrees.....	Samuel F. Hulbert
Dean’s Outstanding Teacher Award	James R. Eifert
Board of Managers’ Outstanding Scholar Award	John V. Titsworth, B.S., Eng.D. <i>Chairman, Board of Managers</i>
President’s Outstanding Service Award.....	Samuel F. Hulbert
School Song	Andrew R. Mech
Benediction	Phillip F. Endres <i>President, Student Activities Board</i>
Recessional	“Nun Danket” by Bach/Fox
Postlude.....	“Rigaudon” by Campra/Fox

Organ Music by Alfred R. Schmidt, B.S., M.S. *Professor of Mathematics*

(Allen Digital Organ through courtesy of Samuel Music of Effingham, Illinois)

Honorary Degrees

Doctor of Engineering

William G. Dedert
Chairman of the Board and President
Dedert Corporation
Olympia Fields, Illinois

William Dedert has distinguished himself as a designer, sales engineer, manager and entrepreneur during a 49-year career in the chemical processing industry.

Following graduation from Rose-Hulman in 1945 with a degree in chemical engineering, Dedert worked as an equipment designer and technical sales engineer for the Whiting Corp. in New York City and Chicago. He managed the Pulp and Paper Department, and served as manager of research for Swenson Evaporator Co., a division of the Whiting Co. In 1961, he became central regional sales manager for Blaw-Knox Co. in East Chicago, Ill.

In 1968, he founded the Dedert Corporation which designs and manufactures machinery for the chemical, food and pharmaceutical processing industry. The company sells evaporator systems and dewatering centrifuge equipment to customers worldwide.

The Dedert family has quite a legacy at Rose-Hulman. William Dedert is one of five members of his family who earned a degree from Rose-Hulman. Others include his father, brother, son and uncle.

Doctor of Engineering

Larry L. Hench, Ph.D.
Graduate Research Professor of
Materials Science and Engineering,
Director of the Bioglass Research Center
and Co-Director of the Advanced
Materials Research Center
University of Florida
Gainesville, Florida

Larry Hench is internationally known for his discovery of Bioglass, the first man-made material to bond with living tissues. This discovery led to the founding of the field of bioactive medical and dental implants. Bioglass is used in prostheses for middle ear reconstruction and dental implants, and Bioglass powders are utilized for repair of periodontal defects.

In 1980, Professor Hench launched a new field of study, the low temperature sol-gel processing of glasses, ceramics and composites. These studies led to new classes of silica materials for optics, termed Gelsil. The new gel-silica optics have received numerous industrial awards, including the prestigious 1991 R&D 100 award in optics.

Among the honors Professor Hench has received are the Clemson Award for Basic Research, which is the highest honor presented by the Society for Biomaterials, and the 1980 George W. Morey Award, the highest recognition presented by the Glass Division of the American Ceramic Society. The University of Florida also presented him with its highest faculty award. His studies have resulted in 340 scientific publications, 19 books, and 21 patents issued in the United States and 20 foreign countries.

Doctor of Engineering

Robert E. Miller
Retired President
Southwest Engineering, Inc.
Caballo, New Mexico

The career of Robert Miller began with service in the United States Army in 1943, following his graduation from Rose-Hulman with a degree in electrical engineering. He was assigned to the Army Signal Corps where he helped provide vital radio communication information for all of the armed forces.

While assigned to the Pentagon, Miller collaborated on studies with the Commissioner of the Federal Communications Commission to determine allocations of FM radio and television transmission frequencies nationwide. He also worked with the Carnegie Institute and the National Bureau of Standards in Washington, D.C., to study the influence of sunspots on radio communications worldwide.

Following his service in World War II, Miller used his engineering expertise to improve the road and highway system in New Mexico. He created a materials testing laboratory in Las Cruces, New Mexico, which expanded into a successful engineering company.

Miller retired in 1983 as founder and president of Southwest Engineering, Inc.

Doctor of Engineering

Ralph A. Mitchell
Chairman of the Board
Mitchell & Stark Construction Co. Inc.
Marco Island, Florida

Ralph Mitchell has distinguished himself as a successful businessman and professional engineer. A 1947 Rose-Hulman graduate, he began his civil engineering career working for Standard Oil Company of Ohio, and later served as an assistant division engineer for Texas Eastern Transmission Corp. The early stage of his career also included serving as a county engineer and contractor in Brownstown, Indiana.

In 1955, he founded Mitchell & Stark Construction Co. Inc. in Medora, Indiana. For more than 35 years, he provided the engineering expertise and managerial leadership responsible for the company's growth and ultimate expansion outside Indiana to provide services to clients in Florida. Mitchell & Stark builds water and sewage treatment facilities, water and sewer collection and distribution systems, and highway bridges in Florida and Indiana.

Mitchell has a strong commitment to encouraging young people to value the importance of education. His service to education includes a 13-year tenure as a member of the Brownstown Consolidated School Board. He was the board's chairman for eight years.

Doctor of Engineering

Robert E. Miller
Retired President
Southwest Engineering, Inc.
Caballo, New Mexico

The career of Robert Miller began with service in the United States Army in 1943, following his graduation from Rose-Hulman with a degree in electrical engineering. He was assigned to the Army Signal Corps where he helped provide vital radio communication information for all of the armed forces.

While assigned to the Pentagon, Miller collaborated on studies with the Commissioner of the Federal Communications Commission to determine allocations of FM radio and television transmission frequencies nationwide. He also worked with the Carnegie Institute and the National Bureau of Standards in Washington, D.C., to study the influence of sunspots on radio communications worldwide.

Following his service in World War II, Miller used his engineering expertise to improve the road and highway system in New Mexico. He created a materials testing laboratory in Las Cruces, New Mexico, which expanded into a successful engineering company.

Miller retired in 1983 as founder and president of Southwest Engineering, Inc.

Doctor of Engineering

Ralph A. Mitchell
Chairman of the Board
Mitchell & Stark Construction Co. Inc.
Marco Island, Florida

Ralph Mitchell has distinguished himself as a successful businessman and professional engineer. A 1947 Rose-Hulman graduate, he began his civil engineering career working for Standard Oil Company of Ohio, and later served as an assistant division engineer for Texas Eastern Transmission Corp. The early stage of his career also included serving as a county engineer and contractor in Brownstown, Indiana.

In 1955, he founded Mitchell & Stark Construction Co. Inc. in Medora, Indiana. For more than 35 years, he provided the engineering expertise and managerial leadership responsible for the company's growth and ultimate expansion outside Indiana to provide services to clients in Florida. Mitchell & Stark builds water and sewage treatment facilities, water and sewer collection and distribution systems, and highway bridges in Florida and Indiana.

Mitchell has a strong commitment to encouraging young people to value the importance of education. His service to education includes a 13-year tenure as a member of the Brownstown Consolidated School Board. He was the board's chairman for eight years.

Doctor of Engineering

L. Donald Simpson
President, QO Chemicals, Inc.
& Vice President, Great Lakes
Chemical Corporation
West Lafayette, Indiana

Donald Simpson has served in executive management positions for manufacturing companies in America and Europe. After beginning his career with Cities Services Oil Co., Simpson joined General Electric and helped the company's engineering plastics business grow to its current multibillion dollar worldwide leadership position.

During his career with GE, he served as vice president of manufacturing for American plastics operations, and was promoted to a similar position for the company's plastics operations in Europe. European operations doubled in size during his four-year assignment as vice president. Prior to his vice president's post, he was GE's site manager at the world's largest polycarbonate manufacturing facility in Mt. Vernon, Indiana.

In 1992, Simpson became president of QO Chemicals, a subsidiary that is the world leader in producing furfural derivatives from agricultural products. He also is vice president of the parent company, Great Lakes Chemical Corporation.

Simpson graduated from Rose-Hulman in 1957 with a bachelor of science degree in chemical engineering.

Fifty-Year Commemorative Degrees

For more than a century, Rose-Hulman alumni have been making positive contributions to society as engineers and scientists. Success has not been limited to their career areas. They serve their local communities through civic organizations, youth activities and churches.

Much of the recognition Rose-Hulman enjoys today is because of our alumni. Rose-Hulman graduates make an impact. Their achievements as engineers, scientists and concerned citizens translate into a reputation of quality for their alma mater.

Today, we recognize the contributions of the Class of 1944 by presenting commemorative degrees to those men who have been alumni for 50 years. The diplomas they receive today honor their dedication of time and talent to their careers, society and Rose-Hulman.

CLASS OF 1944

Donald E. Alexander	Richmond
Luis Bogran	El Progreso Yoro, Honduras
Charles B. Butts	Indianapolis
George R. Butwin	Terre Haute
Lubo Chelich	Crown Point
William R. Colclessner	Speedway
G. H. Cornelius, Jr.	Indianapolis
Robert H. Dinkel	Terre Haute
Charles R. Fox	Terre Haute
Robert G. Gillum	Sun City West, Arizona
Frank W. Guthrie	Greensburg
James H. Hanes	Midland, Michigan
E. James Hegarty	Mansfield, Ohio
Arlis J. Hief	Ashland, Oregon
Paul Kaplan	Cary, North Carolina
Arnold R. Kays	Connersville
Jay Kress	Indianapolis
L. Gene Landes	Des Plaines, Illinois
Robert G. Larkin	Plainfield
Robert A. Manhart	Emigrant, Montana
Richard C. Milholland	Lago Vista, Texas
Joseph E. Miller	Indianapolis
Leroy S. Miller	San Dimas, California
William S. Mitchell	Charlotte, North Carolina
Stanley B. Smith	South Pasadena, California
Charles A. Stringfellow	Bartlett, Illinois
Bernard V. Vonderschmitt	San Jose, California

(Bold-faced names indicate class members in attendance for today's ceremony.)

SCHOLARSHIP HONORS

Students graduating with a scholarship index of 3.90 or higher will be graduated *Summa Cum Laude*; those with a scholarship index between 3.60 and 3.90 will be graduated *Magna Cum Laude* and those with a scholarship index between 3.30 and 3.60 will be graduated *Cum Laude*. These honors are recognized by the display of gold Honor Cords at the Commencement ceremonies and in appropriate fashion on the diplomas.

* <i>Cum Laude</i>	G Technical Translators Program—German
** <i>Magna Cum Laude</i>	R Technical Translators Program—Russian
*** <i>Summa Cum Laude</i>	A U.S. Army Commission
†† Two Degrees	AF U.S. Air Force Commission
	C Consulting Engineering Program
	M Management Studies Certificate
	Master Thesis indicated in <i>Italics</i>

THE ACADEMIC PROCESSION

In today's academic procession, the gown and hood indicate the degree held by the wearer. The hood is lined with the official color or colors of the college or university conferring the degree. Graduates of certain institutions wear gowns in the color of the university, although black is the basic color of the majority of academic gowns. The doctor's gown is faced down the front with velvet panels and has three velvet crossbars on each sleeve. The velvet may be black or may be the color which represents the field in which the degree was conferred.

RHIT Bachelor's Degree Attire

Rose-Hulman Institute of Technology Bachelor's degree holders or candidates wear a black gown and a black mortarboard with a black tassel.

RHIT Master's Degree Attire

Master's degree hoods for Rose-Hulman Institute of Technology are black, lined with rose satin and white satin chevron and edged in golden yellow velvet. With the gown and hood is worn a black mortarboard with black tassel.

Rose-Hulman Institute of Technology

Candidates for Degrees

Bachelor of Science

November 18, 1993

APPLIED OPTICS

* Gregory Samuel FellerHanover Park, Illinois

ELECTRICAL ENGINEERING

Jeffrey Todd FettersNoblesville
G * Kevin Marc NeilsonKentland
* James Allison TaylorDugger

PHYSICS

Michael Alan HaskinsLawrence

February 24, 1994

COMPUTER ENGINEERING

Michael Eric WeverFort Wayne

COMPUTER SCIENCE

* Joseph Todd BattWinchester
Jason Todd RossTyngsborough, Massachusetts
Barry William TrottierPoplar, Montana

ELECTRICAL ENGINEERING

*** William Joseph Blackert IIIGlenwood, Maryland
** Yu-Chun KuBangkok, Thailand
David Rene OlivenciaGary
** Christopher Donald OmanFort Wayne
Matthew Dean TullisTerre Haute

MECHANICAL ENGINEERING

Greggory Ian BrowningIndianapolis
Moataz R. EldibDanville, Illinois
Andre Jan MaueBuffalo, Minnesota
Michael Shane SteffenJasper

May 28, 1994

APPLIED OPTICS

Aaron Paul BarrWindfall
* Douglas Gerald BurtonWoodbury, Minnesota
R** Scot Andrew HawkinsBoring, Oregon
** Alan Jonathan ReedBrazil

CHEMICAL ENGINEERING

	* Anthony Joseph Akles	Oakland City
	Jason Erik Bisbee	Brownstown
C	Christopher Thomas Brown	Fort Wayne
G***	Stephen Paul Cape	Indianapolis
	Jeffrey Joseph Czarnik	Hammond
	Tim Robert Dougherty	Claypool
**	Phillip Franklin Endres	Lebanon
	Scott Anthony Gage	Willshire, Ohio
G*	Dale Frederick Hartzell	Crown Point
G*	Victor LeRoy Hoerst	Richmond, Virginia
	Donald Scott Jenkins	Terre Haute
	Craig Alan Keim	Delaware, Ohio
**	Kevin Thomas Kinney	South St. Paul, Minnesota
	Michael Ray Lawrence	Evansville
	Gerald B. Leister	Clarksville
	James Brian Lesniak	Springfield, Illinois
	Roger D. Martin	South Bend
	Landon Kyle Massey	Bloomington
*	Cortney Kenneth Mittelsteadt	Le Sueur, Minnesota
††*	Fumio Morino	Brantford, Ontario, Canada
	James Robert Muncy	Knightstown
**	Joseph Todd Phillips	Ingalls
*	Ira Lynn Rainey	Mooreland
	Marco Antonio Salenda	Indianapolis
	Michael Benjamin Schall	Cicero
**	Michael Matthew Schmotzer	Avon Lake, Ohio
A	Eric Lee Stark	Terre Haute
***	Fred Stuart Thomas	Littleton, Colorado
*	Donald Stephen Vash	Bruceville
R***	Frank Stewart Volkers	Terre Haute
***	Nathan Wiley	East Peoria, Illinois

CHEMISTRY

	Ronald James Berry	Columbia City
*	Shawn Edward Kuhmann	Mulino, Oregon
††*	Fumio Morino	Brantford, Ontario, Canada
	Daniel David Schwert	Alfred, New York

CIVIL ENGINEERING

	Matthew Carl Anderson	New Hartford, New York
C	John Ray Ashbaugh	Fort Wayne
C	William James Boucher	Brazil
C	John Henry Brown	DeMotte
C**	Cash Earl Canfield	Kingman
C	David Allen Crawford	Indianapolis
	Jason Gabriel Fee	Brownstown
C*	John William Frerich	Aurora, Illinois
A	Jeffrey Scott Harless	Fort Wayne
	David Clark Hussung	Floyds Knobs
*	Ross Ashby Kimble	Elizabethtown, Kentucky
C*	Phillip Stephen Knickrehm	Peotone, Illinois
	Jarod Brice Minnis-Bradfield	Petersburg
	Chad Allan Modesitt	Brazil
	Shane Frederic Nocus	Vincennes
C	Michael Christian Payne	Waterloo
C	Donald Wayne Potter	Paris, Illinois

A	Grant Mitchell Reinoehl	Brazil
	Aaron Matthew Reynolds	Plainfield
	Joseph Allen Ricker	Mishawaka
C	Robert Clifton Rogers	New Castle
	David Allen Sanders	Tell City
C	Steven Neil Shadix	Cincinnati, Ohio
C**	David Todd Shields	West Terre Haute
	Michael Leo Snider	Noblesville
AF, C*	Brian Michael Stankiewicz	South Bend
	Christopher Monson Tibbits	Spencer, Iowa
	Geoffrey Alan Wise	Mentor, Ohio
C	Jason Richard Wykoff	New Carlisle
C	Mark Wah Sun Young	Honolulu, Hawaii

COMPUTER ENGINEERING

	James Kenneth Kimmerle	Terre Haute
**	Jay Richard Moorman	Lawrenceville
	Brock Allen Taylor	Floyds Knobs

COMPUTER SCIENCE

**	Steven Earl Akers	Kokomo
	Michael David Bayne	South Bend
*	Jonathan David Bennett	Columbus
	Norman Allen Cheesman	Terre Haute
	Leslie Felton Donaldson	Poplarville, Mississippi
	William Francis Foust	Kansas City, Kansas
*	James Lee Hicks	East View, Kentucky
**	David Matthew Holscher	Vincennes
R**	Brian Eugene Johnson	Lakeland, Florida
	Michael David Kohlmeier	Fort Wayne
	Christopher Paul Morton	Rochester
R	James Matthew Murphy	Freedom, Pennsylvania
	Victor Hugo Oquendo	Las Vegas, Nevada
	Jerry Gene Stanley	Marion
*	Eric Dale Steele	Milan
*	Jeff H. Swartz	Maryland Heights, Missouri

COMPUTER SCIENCE AND ELECTRICAL ENGINEERING

*	Joel Frederick Klein	Indianapolis
---	----------------------	--------------

COMPUTER SCIENCE AND MATHEMATICS

R**	James Michael Williams	Austin
-----	------------------------	--------

ECONOMICS

††**	Mumphord Holland Kendall IV	Louisville, Kentucky
------	-----------------------------	----------------------

ELECTRICAL ENGINEERING

	Christopher d'A Andrews	Addison, Illinois
**	Roger Allen Becker, Jr.	Cincinnati, Ohio
	Steven Wayne Beem	Hamlet
	James David Codling	Fort Wayne
	Eric Sean Donovan	Terre Haute
	Steven Lee Durcholz	Ferdinand
	Patrick J. Faist	Worms, Germany
	Robert Edward Farrington	Clinton
	William Joe Fitzsimmons, Jr.	Terre Haute

**	James Francis Geekie	Paris, Illinois
	Donald Eugene Gower	Hutsonville, Illinois
***	Gary Robert Gutknecht	Lakeville
**	John Ciro Haraguchi	South Bend
**	Reuben Dale Hochstedler	Greentown
**	Todd Michael Holthaus	Pana, Illinois
	Spencer Arlington House	Jasonville
	William Blackburn Howard	Carthage
**	Daniel Lawrence Janko	Portland, Oregon
	Jeffrey Duane Johnson	Ossian
	Joseph Henry Joice	Vincennes
	Kevin Carl Ketzler	Decatur
**	Kenneth Michael Labhart	Magnet
	Mitchell A. Landess	Portland
	Daniel Todd McVey	Pendleton
G	Anthony Xavier Millet, Jr.	Clarksville
	Brady Lee Neukam	Huntingburg
*	Brian James Niepoky	Huber Heights, Ohio
	Christopher Dean Rettig	Findlay, Ohio
	Jon Ryan Richards	Crawfordsville
*	Heath Allyn Strickland	Haubstadt
	John Earl Tenbusch	Minden City, Michigan
*	Thomas Judd Tyson	Indianapolis
*	Timothy Steven Walker	Crown Point
**	Brian Stanley Wetzker	St. Louis, Missouri
	Gregory Scot Wiley	Indianapolis
	Todd Douglas Wilkerson	New Albany

MATHEMATICS

††**	Jonathan Elliot Atkins	Terre Haute
††***	Clayton Earl Dumcum	St. Paul, Minnesota
	Chad Scherrer	Jasper

MECHANICAL ENGINEERING

	Daniel Alan Amrhein	Batesville
G	Daniel Anthony Berzsényi	Terre Haute
	Joseph Allen Bounds	Huntingburg
	Robert Lyle Brewington	Greenwood
	Gregory Gene Brown	Terre Haute
	Chad Lee Buchanan	Westport
	Richard Scott Buening	Greensburg
	Aaron Joseph Hansen Bultman	Bloomington
*	Steven Joseph Burch	Indianapolis
	Gregory Allen Case	Richmond, Virginia
	Zachariah Chambers	Miller Place, New York
	Joseph Charles Clark	West Baden
A	Brian Trent Cooper	Fort Wayne
	Brian Joseph Crothers	Osceola
**	Robert John Danforth III	Sheboygan, Wisconsin
	Tung Thanh Do	Seymour
††***	Clayton Earl Dumcum	St. Paul, Minnesota
	Robert Matthew Edwards	Brazil
*	John Lawrence Emley	Seymour
	John Michael Fleck	Jasper
	Timothy Wayne Floyd	Brazil
	Andrew Monroe Ford	Portland
***	Michael David Foster	Evansville

	James Allen Francois	Centralia, Illinois
**	Jeffrey David Frederick	Brazil
	Seth Alan Friedman	Salt Lake City, Utah
*	Justin Robert Gallagher	Indianapolis
	Teodoro Garcia III	Terre Haute
*	Darian Thomas Gatewood	Westport
C, M	Adam MacKenzie Gersting	Indianapolis
*	Christopher Mark Hahn	Olney, Illinois
	Dennis Kyle Hamm	Wheatland
	Mark Andrew Harris	Fishers
**	Kevin William Hayes	Clawson, Michigan
*	Gregory Farin Hayworth	Rockport
	Martin Patrick Hession	Brownsburg
**	Harold Austin Higley III	Holland Patent, New York
**	Robert William Hilbert II	St. Leon
	Brandon Scott Hollis	Lafayette
G***	Gregory Andrew Hubbard	Kokomo
**	Frank John Huston II	Hampton, Virginia
*	David Patrick Hynes	Indianapolis
	Michael Todd Jahn	St. Anthony
	James Edward Jankowski	Elkhart
A	Kurt A. Johnson	Lowell
	Christian Spencer Kelley	Walton, Kentucky
††**	Mumphord Holland Kendall IV	Louisville, Kentucky
*	Alan Frederick Keuneke	Decatur
	James Anthony Kuntz	Batesville
	Matthew Earl Leach	Fort Wayne
*	Foo Hooi Lee	Sungai Petani, Kedan, Malaysia
C*	Matthew Scott Lesniewski	Whiting
	Kevin Larry Lueschen	Columbus, Nebraska
A	Joel Samuel Magsig	Homestead, Florida
	Jeffrey Michael McDermott	North Huntingdon, Pennsylvania
*	Matthew Perry Meek	Columbus
	Erin Michael Meyer	Batesville
	Bradley Alan Miller	Lynn
A**	Peter Louis Morzinski	Los Alamos, New Mexico
	Paul Daniel Neukam	Huntingburg
	James Michael Perry	Terre Haute
**	Robert Beverly Piper	Olmstead, Kentucky
*	James Brian Pipp	Columbia, Maryland
C	Gregory Edward Puck	Carroll, Iowa
	Aaron Lee Reid	North Manchester
M*	Christan Edward Rolenc	Mount Pleasant, Iowa
	Mark Allen Rosenberger, Jr.	Liberty
	Brian David Sauer	Casey, Illinois
	Scott Alan Schroeder	Rushville
	Carl William Schwitzer	Bloomington
	Michael Levi Seals	Brookville
*	Scott David Slisher	Knox
	Christopher Graham Spear	Shelbyville
	Ryan William Steinhart	Lafayette
C*	Thomas Andrew Stultz	Carlisle
AF	Damon Aaron Swope	New Carlisle
**	Toby Lee Thomas	Waveland
	John Joseph Vance	Indianapolis
A*	Gregory David Vialle	Terre Haute
	Gregory Lee Walker	Terre Haute

** Eric William WandellLaPorte
 ** John David WarrenPaoli
 Kenneth N. WhahEagle River, Alaska
 ** Philip Dean WintersWest Terre Haute
 Kevin Douglas WissingOwensboro, Kentucky
 G David William WolfLawrence, Kansas
 A Timothy Jason ZiglerTroy, Ohio

PHYSICS

††** Jonathan Elliot AtkinsTerre Haute
 Robert Dale BumpusWest Union, Illinois
 A Jason Lee ThompsonJamestown, North Dakota

PHYSICS AND MATHEMATICS

AF** Michael George Payne, Jr.Florissant, Missouri
 A* Andrew Lawrence WhiteBeavercreek, Ohio

Master of Science

May 28, 1994

APPLIED OPTICS

- Andy FaggBoonville
*“Projection Moire Contouring System for Testing
f/1 Plastic Parabolic Reflectors”*
Thesis Advisor: Professor H. Philip Stahl
- Feng GuanWuxi, Jiangsu Province, P. R. China
“Design of an Astrophotographic Lens”
Thesis Advisor: Professor Richard P. Ditteon
- Konstantine Y. KosSt. Petersburg, Russia
*“Optical Phase-conjugate Shear Interferometer with
Multiple Wavelengths in Photorefractive Medium”*
Thesis Advisor: Professor Azad Siahmakoun
- William Stephen MeyersOsgood
*“Design and Calibration of a Two-Channel Ronchi System
to Contour a Dynamic Fluid Surface”*
Thesis Advisor: Professor H. Philip Stahl
- Christopher J. OrcuttChicago, Illinois
*“Incorporating a 1550 nm DFB Laser Diode
into a Fiber Optic Electronic Speckle Pattern Interferometer”*
Thesis Advisor: Professor Charles Joenathan
- Jay E. SharpingBrookfield, Wisconsin
*“A Study of Dichromated Gelatin and the Construction
of Holographic Optical Elements”*
Thesis Advisor: Professor Charles Joenathan
- Fei Shen.....Beijing, P.R. China
“Dispersion Measurement Systems for Optical Fibers”
Thesis Advisor: Professor Robert M. Bunch
- Pyotr V. ShmelevLipetsk, Russia
“Automated Detection of Surface Defects”
Thesis Advisor: Professor Brij M. Khorana
- Zijie XuHefei, Anhui, P.R. China
“Dynamic Laser Speckle Studies of Botanical Specimens”
Thesis Advisor: Professor Brij M. Khorana

CHEMICAL ENGINEERING

- Stephen Patrick GardnerTerre Haute
“Kinetics of Phenol-Based Photoresist Cross-Linking Reactions”
Thesis Advisor: Professor Jerry A. Caskey
- John Kevin WelpHuntingburg
*“Ceramic Crossflow Microfiltration -
A Chemical Engineering Unit Operation”*
Thesis Advisor: Professor Ronald S. Artigue

** Eric William WandellLaPorte
 ** John David WarrenPaoli
 Kenneth N. WhahEagle River, Alaska
 ** Philip Dean WintersWest Terre Haute
 Kevin Douglas WissingOwensboro, Kentucky
 G David William WolfLawrence, Kansas
 A Timothy Jason ZiglerTroy, Ohio

PHYSICS

††** Jonathan Elliot AtkinsTerre Haute
 Robert Dale BumpusWest Union, Illinois
 A Jason Lee ThompsonJamestown, North Dakota

PHYSICS AND MATHEMATICS

AF** Michael George Payne, Jr.Florissant, Missouri
 A* Andrew Lawrence WhiteBeavercreek, Ohio

Master of Science

May 28, 1994

APPLIED OPTICS

- Andy FaggBoonville
 *“Projection Moire Contouring System for Testing
 f/.1 Plastic Parabolic Reflectors”*
 Thesis Advisor: Professor H. Philip Stahl
- Feng GuanWuxi, Jiangsu Province, P. R. China
 “Design of an Astrophotographic Lens”
 Thesis Advisor: Professor Richard P. Ditteon
- Konstantine Y. KosSt. Petersburg, Russia
 *“Optical Phase-conjugate Shear Interferometer with
 Multiple Wavelengths in Photorefractive Medium”*
 Thesis Advisor: Professor Azad Siahmakoun
- William Stephen MeyersOsgood
 *“Design and Calibration of a Two-Channel Ronchi System
 to Contour a Dynamic Fluid Surface”*
 Thesis Advisor: Professor H. Philip Stahl
- Christopher J. OrcuttChicago, Illinois
 *“Incorporating a 1550 nm DFB Laser Diode
 into a Fiber Optic Electronic Speckle Pattern Interferometer”*
 Thesis Advisor: Professor Charles Joenathan
- Jay E. SharpingBrookfield, Wisconsin
 *“A Study of Dichromated Gelatin and the Construction
 of Holographic Optical Elements”*
 Thesis Advisor: Professor Charles Joenathan
- Fei Shen.....Beijing, P.R. China
 “Dispersion Measurement Systems for Optical Fibers”
 Thesis Advisor: Professor Robert M. Bunch
- Pyotr V. ShmelevLipetsk, Russia
 “Automated Detection of Surface Defects”
 Thesis Advisor: Professor Brij M. Khorana
- Zijie XuHefei, Anhui, P.R. China
 “Dynamic Laser Speckle Studies of Botanical Specimens”
 Thesis Advisor: Professor Brij M. Khorana

CHEMICAL ENGINEERING

- Stephen Patrick GardnerTerre Haute
 “Kinetics of Phenol-Based Photoresist Cross-Linking Reactions”
 Thesis Advisor: Professor Jerry A. Caskey
- John Kevin WelpHuntingburg
 *“Ceramic Crossflow Microfiltration -
 A Chemical Engineering Unit Operation”*
 Thesis Advisor: Professor Ronald S. Artigue

ELECTRICAL ENGINEERING

- Thomas ArltSimmershofen, Germany
 “Design of a New Control Unit for a Continuous Miner”
 Thesis Advisor: Professor Frank E. Acker
- Hubert BergWarthausen, Germany
 *“Simulation of the Effect of Photovoltaic Input
 on a Two Area Interconnection”*
 Thesis Advisor: Professor Clifford H. Grigg
- Ulrich BortfeldLeutenbach, Germany
 “A VLSI Design System for Digital MOS Circuits”
 Thesis Advisor: Professor Keith E. Hoover
- Howard H. HuffmanLincoln, Nebraska
 *“Design, Development, and Implementation
 of a Three Axis Synchronized System”*
 Thesis Advisor: Professor Frederick C. Brockhurst
- Gennan LiBeijing, P. R. China
 Non-Thesis topic: *“Design and Implementation
 of a Programmable DGAC System”*
 Thesis Advisor: Professor Buck F. Brown
- Kenneth J. ReidBrownsburg
 “Software Development for Solder Paste and Bump Analysis”
 Thesis Advisor: Professor Buck F. Brown
- Sanjeev ThadaniBombay, India
 “DSP Chip Implementation of Automatic Speaker Verification”
 Thesis Advisor: Professor Keith E. Hoover
- Thomas L. TurflingerBloomington
 *“Test and Interpretation of Single Event Effects
 in Analog-to-Digital Converters”*
 Thesis Advisor: Professor Keith E. Hoover
- Hui WangJian, P. R. China
 *“Real-Time Adaptive Audio Noise Cancellation Using a
 New Adaptive- β Least Mean Square Algorithm”*
 Thesis Advisor: Professor Keith E. Hoover
- Brian E. West.....Washington
 *“A Preprocessor for the Power Distribution
 Systems Analysis Program”*
 Thesis Advisor: Professor Frederick C. Brockhurst
- Charles WilsonLinden, California
 “Aardvark: A Highly Virus-Resistant Computer Architecture”
 Thesis Advisor: Professor Bruce A. Black

MECHANICAL ENGINEERING

- Glenn R. GerschBloomington
 *“Assessment of Advanced Thermal
 Management Materials for Electronics”*
 Thesis Advisor: Professor Donald E. Richards
- Kevin GilbertFergus Falls, Minnesota
 *“A Verification of a Low-Order Panel Method
 for Use in Computational Fluid Dynamics”*
 Thesis Advisor: Professor A. Thomas Roper

- Ronald Alan HallTerre Haute
*“Transient Flow in Annular Ducts
with Applications in Hydraulic Leakage”*
Thesis Advisor: Professor Leland K. Shirely
- William J. HollenWorthington
“The Effect of Dielectric Fluid for Cooling an Electronic Module”
Thesis Advisor: Professor L. Wayne Sanders
- Jawahar KesariHanamkonda, India
*“Development of a Program for the Stress Analysis of
Multi-layered Composite Circular Cylindrical Shells”*
Thesis Advisor: Professor Daryl L. Logan
- Stephan M. KonradStuttgart, Germany
*“An Evaluation of Commercially Available Finite Element
Software for the Analyses of Overhead Hoists”*
Thesis Advisor: Professor J. Darrell Gibson
- Rainer LeuschkeSchwerin, Germany
“Implementation of a Dynamic Systems Simulation Environment”
Thesis Advisors: Professor Claude W. Anderson III and
Professor David J. Purdy
- Brian J. McKinleyHope
*“Development of a Vibration Analysis Model
for the Evaluation of a Diesel Engine Valve Cover”*
Thesis Advisor: J. Darrell Gibson
- Marshall Lin MinShanghai, P. R. China
“Optimization of Wave Energy Conversion Systems”
Thesis Advisor: Professor J. Darrell Gibson
- Tong Van NguyenBedford
“Investigation of the OK-542 Pressure Reducing Valve”
Thesis Advisor: Professor David J. Purdy
- Norman Popkie, Jr.Oolitic
*“Development of a Finite Element Solid Model to
Design an Improved Mechanical Firing Device”*
Thesis Advisor: Professor Daryl L. Logan
- Hariharan SalemganesanMadras, Tamil Nadu, India
“Finite Element Analysis of a Gantry Crane”
Thesis Advisor: Professor Daryl L. Logan
- Jerry Jinjin SongTianjin, P. R. China
“A Menu-Oriented User Interface for Robot Programming”
Thesis Advisor: Professor Donald G. Morin
- PeiJun Peggy SunBeijing, P. R. China
*“Vibration Analysis and Structural Modification
of a Hovercraft Engine Truss”*
Thesis Advisor: Professor J. Darrell Gibson
- Qiyue Sonny SuoBeijing, P. R. China
“Optimum Design of Crank-Rocker Mechanisms”
Thesis Advisor: Professor Donald G. Morin

Bachelor of Science Summer Completion

CHEMICAL ENGINEERING

Chad Michael HeddenClay City
William Paul SuminskiDyer

CHEMISTRY

Frank Robert SmithNorton, Ohio

CIVIL ENGINEERING

Don Lee BuchananTerre Haute
Michael Alan Hummel.....Greenwood
Robert Dale Snedeker, Jr.Pine Village

COMPUTER ENGINEERING

Miguel Abel BarrenoIndianapolis

ELECTRICAL ENGINEERING

Jon David AndersonLancaster, Ohio
C Kelly Gene LewisJeffersonville
Keith Eric MansfieldCocoa Beach, Florida
Julian Francis WaldbyChampaign, Illinois

MECHANICAL ENGINEERING

Steven Wayne Beem.....Hamlet
Shawn William Brainard.....Terre Haute
Anthony Robert DallMorris
Eric Max FentressMarlborough, Connecticut
John David Hooper, Jr.LaPorte
Robert Glen Knight.....Gentryville
Gregory Alan MeynePortage
Nathan Ray SutherlenMechanicsburg, Pennsylvania
Robert Joseph Waldron.....Highland

PHYSICS

Jon Lewis Osborn, Jr.Indianapolis

NOVEMBER COMPLETION

CHEMICAL ENGINEERING

John Edwin CorneliusFelicity, Ohio

CIVIL ENGINEERING

Michael Edward ArnoldBrownsburg
James Edwin ConnerleyGeorgetown, Kentucky
Jeremy Christopher Effing.....Batesville
Shannon Wayne HolmesBloomington
Steven Allen Toth, Jr.Lansing, Illinois

COMPUTER SCIENCE

Leonard Morris DattiloTerre Haute
John Thomas TreagerTerre Haute

ELECTRICAL ENGINEERING

William David Jones IIJeffersonville
David Jon NicosonCory
Eric Christopher PotterGilman, Illinois
John Wesley ProctorMaryville, Tennessee
Christopher Lee VanaWhite Lake, Michigan

MECHANICAL ENGINEERING

Paul David Laune, Jr.New Haven, Missouri
Jerry Lee MuncieCory
Gary Wayne Shives, Jr.Greenwood

ROSE-HULMAN INSTITUTE OF TECHNOLOGY

BOARD OF MANAGERS

John V. Titsworth, Chairman	Stuart, Florida
B. Guille Cox, Jr., Vice Chairman	Terre Haute
Clyde F. Willian, Secretary	Winnetka, Illinois
John N. Royse, Treasurer	Terre Haute
Donald J. Almquist	Noblesville
James R. Baumgardt.....	Carmel
Thomas W. Binford (Emeritus).....	Indianapolis
Walter S. Blackburn	Indianapolis
Robert E. Bright	Austin, Texas
Harold D. Brown, Jr.	Duncanville, Texas
Wendell E. Carroll (Emeritus)	Santa Rosa, California
Carl E. Ehrenhardt (Emeritus)	Terre Haute
Vern W. Fellows	Terre Haute
William R. Fenoglio.....	Avon, Connecticut
Howard P. Freers	Bloomfield Hills, Michigan
Anton Hulman George	Indianapolis
Mari Hulman George	Terre Haute
Gregory L. Gibson	Terre Haute
Shelton M. Hannig (Emeritus)	Sedona, Arizona
Samuel W. Hart	Sarasota, Florida
Samuel F. Hulbert	Terre Haute
Mrs. Anton Hulman, Jr.	Terre Haute
Ernest G. Hurst (Emeritus)	Hillsboro, Illinois
Howard H. Irvin (Emeritus)	Chicago, Illinois
R. Tim Kelley (Emeritus)	Santa Barbara, California
E. Crone Knoy	Speedway
Andre B. Lacy	Indianapolis
William T. Maddock (Emeritus)	Findlay, Ohio
Alane Meis	Terre Haute
David C. Mitchell	Cincinnati, Ohio
Niles L. Noblitt	Mountain Lakes, New Jersey
J. Thomas Norman	Akron, Ohio
Michael W. Percopo	New York, New York
Jack Ragle	Terre Haute
James E. Rogers, Jr.	Carmel
Robert L. Royer (Emeritus)	Louisville, Kentucky
William D. Schindel	Terre Haute
Donald W. Scott	Terre Haute
Robert Shattuck (Emeritus)	Vienna, West Virginia
Donald E. Smith	Terre Haute
P. Carter Smith	Marietta, Georgia
Delbert C. Staley	Rye, New York
Michael D. Thomas	Grosse Pointe, Michigan
Robert L. Voges	Ormond Beach, Florida
Alexander J. Vogl (Emeritus)	Palatine, Illinois
William B. Nicewanger (Alumni Representative)	Columbus, Ohio
Harmon L. Shaw (Alumni Representative)	Silver Spring, Maryland