

Rose-Hulman Institute of Technology
Rose-Hulman Scholar

Commencement Programs

Spring 5-29-1993

1993 Rose-Hulman Institute of Technology : One-Hundred and Fifteenth Commencement

Rose-Hulman

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

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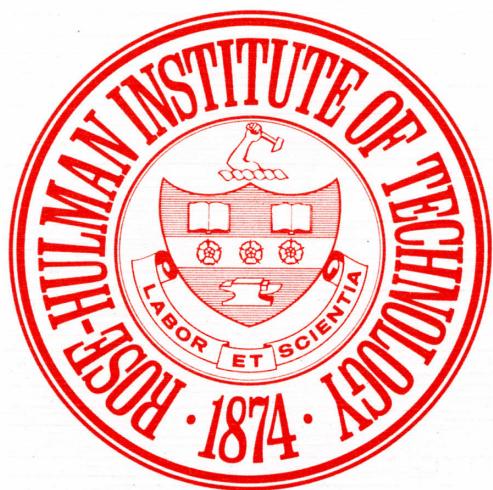
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One Hundred and Fifteenth Commencement

of

Rose-Hulman Institute of Technology



May 29, 1993

Commencement Program

Prelude.....	"Voluntary in C" by John Stanley
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.
Invocation.....	N. Wade Stockton President, Blue Key
Greeting from the Alumni	Jack L. Foltz, '57, B.S., LL.B., LL.M. President, Alumni Association
Response from the Senior Class	Douglas J. Sowder President, Senior Class
Introduction of Commencement Speaker	Jeffrey J. Haggerty President, Student Government Association
Commencement Address.....	Donald J. Almquist, B.S., LL.D. (Retired) Chairman, President & CEO, Delco Electronics Corporation
Organ Interlude.....	"Dialog" by Russell Schulz-Widmar
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 Steinhauer, 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>
Donald J. Almquist (Doctor of Engineering)	
Introduced by A. Thomas Roper, B.S., M.S., Ph.D.	
Wendell E. Carroll (Doctor of Engineering)	
Introduced by Buck F. Brown, S.B., M.S., Ph.D.	
Frank Perry Lloyd, Sr., M.D. (Doctor of Science)	
Introduced by Barry J. Farbrother, B.Sc., Ph.D.	
Frank G. Pearce (Doctor of Engineering)	
Introduced by William B. Baratuci, B.ChE., Ph.D.	
George F. Rapp, M.D. (Doctor of Science)	
Introduced by Leroy R. Waite, B.S., M.S., Ph.D.	
Carl C. Robinson (Doctor of Engineering)	
Introduced by William G. Ovens, B.S.E., 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 Manager's 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	Kevin R. Neier <i>President, Student Activities Board</i>
Recessional.....	<i>Nun Danket</i> 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

DONALD J. ALMQUIST, Hon.D.
Retired President, Chairman and Chief Executive Officer
Delco Electronics Corporation
Kokomo, Indiana

Under the leadership of Donald J. Almquist, the Delco Electronics Corp. grew from a division of General Motors that made automotive entertainment systems to a worldwide automotive electronics corporation with 30,000 employees and more than \$4 billion in revenue. Almquist's distinguished career with GM spanned 41 years. After serving in several management posts for GM, Almquist was appointed vice president and general manager of Delco Electronics. In 1989, he was named chairman, president and chief executive officer of Delco Electronics and had responsibility for the operational activities of Delco Electronics' domestic and foreign-based facilities. He retired from GM in January of this year.

Almquist is in his ninth year as a member of the Rose-Hulman Board of Managers and recently served as chairman of the Commission on the Future of Rose-Hulman. He has received honorary degrees from Indiana and Purdue universities. Almquist earned a bachelor of science degree in industrial engineering from the GMI Engineering and Management Institute.

Doctor of Engineering

WENDELL E. CARROLL
Retired President, Chairman of the Board of Directors
and Founder, Regent Controls, Inc.
Santa Rosa, California

After graduating in 1938 with an electrical engineering degree from Rose-Hulman Institute of Technology, Carroll was employed by the Square D Company and later served as an officer in the United States Navy during World War II.

In 1948, Carroll founded Regent Controls, Inc., a manufacturer of electronic control devices and systems for the automation of industrial machinery. Following his retirement from Regent Controls, this Terre Haute native co-founded and served as chairman of the board of Carroll Builders Corp., Santa Rosa, California.

Carroll has been a dedicated alumnus to Rose-Hulman. In 1963, he was elected to the Rose-Hulman Board of Managers and served as chairman of its board affairs committee. He currently retains emeritus status as a board of managers member. For many years, he volunteered his time to assist the Rose-Hulman Alumni Association as a class chairman and Alumni Fund area chairman.

Doctor of Science

FRANK PERRY LLOYD, M.D.
Medical Director, Health Sources, Inc.
Indianapolis, Indiana

Frank Perry Lloyd's distinguished career in the field of medicine includes serving as vice president for medical research at Methodist Hospital in Indianapolis for ten years and later as president and chief executive officer at Methodist. He retired from the president's post in 1988. For 27 years, Lloyd also operated a private practice specializing in infertility.

Lloyd is the recipient of the Distinguished Service Award from the National Medical Association. His contributions to the fields of obstetrics, gynecology and infertility have earned him honorary degrees from Purdue University, the University of Indianapolis and Wabash College. He is an active community leader volunteering his time for public education, co-chairman of the Indianapolis Progress Committee, former chairman of the board of Christian Theological Seminary, and chairman of the White River Park Commission.

He earned the B.S. degree in chemistry from South Carolina State College in 1941 and his M.D. from Howard University in 1946.

Doctor of Engineering

FRANK G. PEARCE, D. Sc.
Retired, General Manager,
Information Systems and Management Sciences
Amoco Corporation
El Macero, California

Frank Pearce contributed to the successful manufacture of petrochemicals for the Amoco Corporation and the development of the company's information systems. Pearce graduated with high honors from Rose-Hulman Institute of Technology in 1940 earning a B.S. degree in chemical engineering. He also received a doctorate at MIT in chemical engineering in 1946 after an interruption of four years to serve as an officer in the U.S. Army chemical corps.

Pearce began his career with Amoco in 1947 and later served as director of project engineering, Amoco Chemicals. In 1960, he was named a division director, responsible for coordinating studies related to the commercializing processes for making chemicals from petroleum.

Pearce, who has been awarded 12 patents, served as Amoco's division director of process design and economics before being named coordinator of research in the planning department. From 1965 until his retirement in 1979, he was general manager in charge of the design, implementation and operation of Amoco's expanded business, technical and commercial information systems.

Doctor of Science

GEORGE F. RAPP, M.D.
Orthopaedic Surgeon
Indianapolis, Indiana

George Rapp is a noted surgeon who has made significant contributions to the development and design of artificial hips and advancements in the treatment of bone fractures. For nearly 30 years, Rapp has also served as a medical educator. He has taught orthopaedic residents and postgraduate education courses dealing with the treatment of scoliosis and other difficult spinal problems, knee injuries, hip replacement, and the development of new materials to promote bone healing.

Among his creations is a special hip prosthesis designed for displaced fracture of the femoral neck and certain other hip problems. He has conducted research in the use of electricity to stimulate bone growth.

Rapp is currently clinical professor of orthopaedic surgery at the Indiana University School of Medicine and he has served as chief of the orthopaedic service at St. Vincent Hospital for 14 years. Rapp received the M.D. degree from Indiana University in 1957.

Doctor of Engineering

CARL C. ROBINSON
Retired, President and Founder
Banner Paint Company &
Cypress Protective Coating Company
Jupiter, Florida

Indiana native Carl Robinson has been a successful entrepreneur who developed two companies in Missouri and Florida that exclusively manufactured chemical coatings.

Robinson learned the principles of being a successful businessman from his father who owned a Ford car dealership in Terre Haute. After studying at Rose-Hulman, Robinson worked for six years at Wabash Products in Terre Haute and then moved to St. Louis, Missouri, where he was employed for 15 years by U.S. Paint Co.

He left U.S. Paint to begin his first business venture, Banner Paint Co. in St. Louis. Banner Paint distributed its products nationwide to customers in the furniture manufacturing and metal fabrication industries. In 1960, Robinson founded his second company, Cypress Protective Coating, in Pompano Beach, Florida.

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 1943 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.

FEBRUARY 1943

Fred G. Berghoef, EE.....	Arlington, Virginia
George D. Blakey, ME.....	Palm City, Florida
Antonio Bogran, ME	San Pedro Sula, Honduras, CA
Ralph E. Brown, ME.....	Fort Wayne
Gene A. Coltrin, CE	Duncansville, Pennsylvania
Darrell E. Criss, EE.....	Terre Haute
Richard O. Driskell, ME	
Paul M. Gallatin, EE	Anderson
Walter E. Garrigus, EE.....	Terre Haute
Paul H. Guhl, CH.....	Indianapolis
Frederick J. Hill, CH.....	Fort Myers, Florida
Richard A. Holthaus, CH.....	Cape Coral, Florida
Howard H. Irvin, CH.....	Chicago, Illinois
Alan W. Ker, ME	Buffalo, New York
Fred L. Kolb Jr., ME	Palm City, Florida
Jack L. Loser, CH.....	Indianapolis
James S. March, ME	New Smyrna Beach, Florida
John E. Metz, ME	Indianapolis
Carl N. Miller Jr., EE.....	West Terre Haute
Robert E. Miller, EE.....	Caballo, New Mexico
Richard C. Mott, ME.....	Mount Prospect, Illinois
John T. Newlin, CE	Terre Haute
Joseph J. O'Connell, CH.....	Albuquerque, New Mexico
Robert R. Pease, ME	Terre Haute
Michael W. Percopo, CH.....	New York, New York
Joseph P. Pipp Jr., EE.....	Pittsfield, Massachusetts
William G. Prescott, CE	Columbus, Ohio
Paul E. Price, CH	Poland
Richard H. Raab, ME	Arnold, Maryland
Warren R. Rombough, CH	Solon, Ohio
Harmon E. Rose, CE.....	St. Mary of the Woods
William F. Rumbley, ME	Fresno, California
Wayne C. Shanks Jr., ME	Livonia, Michigan
William C. Soudriette, CH	Hot Springs, Arkansas
Charles T. Thomas, ME	Dallas, Texas
William W. Turner, CH	Indianapolis
Richard W. Van Kempema, CH.....	Crown Point
T. J. Warrick, EE	West End, North Carolina
William T. Weinhardt, ME	Dallas, Texas
John W. Welsh, ME	Marco Island, Florida
William A. Yoder, ME	Scottsdale, Arizona

OCTOBER 1943

Dean E. Albon, CH	Elkville, Illinois
Kenneth R. Allison, CE	Louisville, Kentucky
James F. Armacost, ME	Indianapolis
Charles K. Bresett, EECE	Carrollton, Texas
Lloyd A. Buchalter, ME	Wallkill, New York
Richard M. Buchanan, ME	Boise, Idaho
Robert P. Davis, CH	Union, Washington
Robert K. Drake, EE	Hendersonville, North Carolina
Richard C. Ellsworth, ME	Columbus
Raymond W. France, CH	Lake San Marcos, California
Harry D. Frye, ME	Green Valley Arizona
John F. Funkhauser, ME	Springfield, Illinois
James R. Garrett, ME	Wheat Ridge, Colorado
Vinton B. Haas Jr., EE	Mansfield Center, Connecticut
E. William Haley Jr. , CH	Akron, Ohio
Dwight P. Heath, ME	Victoria, Texas
W. David Helmick Jr., CH	New Kensington, Pennsylvania
Robert J. Howell, EE	Ellicott City, Maryland
James L. Johnston, EE	Forest, Virginia
William R. Kniptash , CH	Indianapolis
Gordon MacBeth, CH	
Charles R. McKinney, EE	Windsor, California
Edward Moller Jr., ME	Fort Worth, Texas
Frank W. Peak, EE	Evansville
J. Francis Pfrank, ME	Schaumburg, Illinois
John G. Povelites, CH	Los Alamos, New Mexico
Bruce E. Powell, CH	Kensington, California
Ernest F. Shell, ME	Louisville, Kentucky
James H. Shultz , EE	Zionsville
E. Harold Stanfield, CE	Memphis, Tennessee
Joe M. Valentine , EE	Greenwood
Thomas J. Weir , ME	Noblesville
W. Alan Winslow, CH	Evansville
Frank H. Winters, ME	Longboat Key, Florida

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 19, 1992

MATHEMATICS

** Benjamin Parker Nicholson Kingwood, Texas

MECHANICAL ENGINEERING

Dale Andrew Hendricks..... Terre Haute
* Douglas Gene SecristMentone

February 25, 1993

CIVIL ENGINEERING

Chad David Hurm.....Jasper
Marc Eric Neihaus.....Terre Haute
James William RhoadesThorntown

COMPUTER ENGINEERING

* Eugene M. Park.....South Barrington, Illinois

COMPUTER SCIENCE

*** Jason Robert Wilson.....Huntingburg

COMPUTER SCIENCE AND MATHEMATICS

** Clint Frederick LewsaderNaperville, Illinois

ECONOMICS

Jeffrey Lynn PapaElkhart

ELECTRICAL ENGINEERING

Steven Edward BakotaHighland
** Carl Glen CotterBrookville
Christopher Lee WilsonHartford City
††** Bin WuBei Jing, China

MATHEMATICS

††** Bin WuBei Jing, China

MECHANICAL ENGINEERING

David Scot Hessler.....Cambridge City
Graham T. Spencer.....Tipp City, Ohio

May 29, 1993

APPLIED OPTICS

**	Brent Charles Bergner.....	Highland
*	Joseph Ladd Binford III.....	North Vernon
***	Douglas Edward Childers.....	Lafayette
**	David Joel Fischer	Greenwood
	Bryan Scott Hales	Fenton, Michigan
	Patrick Christian Holmes.....	Chandler
	Jeffrey Dong Kwok	Valparaiso
G*	William Charles O'Connell	Evansville
	Dan Kelly Purvis, Jr.....	Indianapolis
	Gregory Brian Simons	Morris, Illinois
	Leif Christopher Sorensen	Munster
	Kevin Lewis Stultz	Chrisman, Illinois

CHEMICAL ENGINEERING

	Russell Gordon Adams	Newport, Kentucky
	David Bradley Anderson	Princeton
**	Enrico Anthony Antonini, Jr.	New Brighton, Pennsylvania
R**	Charles Leon Arvin.....	Vincennes
	John Robert Biddle	Brazil
	Chad Robert Braunecker	Tell City
	David Charles Brombaugh.....	Carmel
	Perry Lewis Carr	Middletown
*	Paul William Carter	Anderson
R	William Jon Culiver.....	Evansville
	Chad Richard Davis	Terre Haute
**	Robert Douglas Hastings.....	Terre Haute
	Gregory Allen Jensen	Princeton, Illinois
C	Christopher Douglas Kilander	Crown Point
*	Christopher Scott Kraus	New Alsace
	Bryon C. Kuglin.....	Crestline, Ohio
*	Gerard James Madlambayan III	Brampton, Ontario, Canada
*	Robert Michael McCauley	Syracuse
	David Wade Merrell	Brookville
	William Martin Mounts	Terre Haute
††**	Alan Lee Peacock	New Palestine
	Brian Scott Poole.....	Pryor, Oklahoma
**	Christopher Reed Posey	Terre Haute
††	William Wayne Schomer	Terre Haute
	Arden Duane Stiers	Anderson
	Lars David Swanson	Moline, Illinois
*	Andrew John Weber	Washington
	Barry Joseph Weisman	Jasper

CHEMISTRY

**	Bryan Cordell Duffy	Belleville, Illinois
**	Brian Kent Goodman	Granger
	Bryon Matthew Mish	Hammond
††**	Alan Lee Peacock	New Palestine
††	William Wayne Schomer	Terre Haute
	Ivan Douglas Williams	Rockville

CIVIL ENGINEERING

Thomas Clark Campbell.....	Charlestown
C Robert Michael Coop.....	Indianapolis
Daniel Joseph Corey	Terre Haute
C Christian Bingham Crosby.....	Toledo, Ohio
Kevin Louis Ehrenreich.....	Williamsville, New York
** Jared Kirk Frederick.....	Brazil
Kevin Douglas Greene	Fishers
Tracy Alan Grunden	Lebanon, Illinois
C* Rhett Thomas Harper	Darien Centy, New York
* Loren Neal Heinze	Bertha, Minnesota
Mark Eric Henke	Jasper
** Christopher N. Jobe	Dugger
C** Adam Lee Kluemper.....	Washington
C John Allen Lukowski.....	East Chicago
Scott Michael O'Neil.....	Crown Point
Linn Christian Oelker.....	Lawrenceburg
C Eric Merritt Smith.....	Clinton
Steven Heath Sunberg	Okeana, Ohio
C Michael Lewis Turchi.....	Linton
Michael Richard Waldbieser.....	Terre Haute
C Matthew Wayne Warstler.....	Garrett
C* Mark Wills Williams.....	Shelbyville
Patrick Wayne Zaharako	Columbus

COMPUTER ENGINEERING

Keith Macon Ambrose	Covington
** Michael F. Farrell.....	Lawrenceburg
David Edward Huey.....	Bryant
Danny Rex Kouder, Jr.....	Cedar Lake
Matthew Paul Morley	Columbus
Raman Neil Ohri	Zanesville, Ohio
Alan James Schnarr	Jasper

COMPUTER SCIENCE

AF Bruce David Artman	Fairfax, Virginia
** Todd Ronald Eigenschink	Oconomowoc, Wisconsin
David Isaac Goodman.....	Omaha, Nebraska
** Thomas Hall Hopson	West Salem, Wisconsin
Anthony Michael McAllister	Seymour
AF, R Andrew Patrick McConnell	Richmond, Virginia
Michael Wayne Palmer	South Whitley
Gregory Jon Parkhurst	Wauwatosa, Wisconsin
Walter Brian Pressler	Fort Wayne
R* Bradley Thomas Rodeffer.....	Rensselaer
Jason David Snyder	Sand Springs, Oklahoma

COMPUTER SCIENCE AND MATHEMATICS

*** Jeffrey Scott Little	Madison
R** Kenneth Arthur Schmidt, Jr.	Corydon
** Stephen Dale Smalley	Glen Burnie, Maryland

ECONOMICS

R Kevin Ray Neier.....	Coatesville
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ELECTRICAL ENGINEERING

	Clay Allen Armstrong.....	Loogootee
*	Scott Joseph Beach	Vincennes
	Marc Andrew Bouton	Hampshire, Illinois
	Jeff Allen Brier.....	Russiaville
**	Eric Ronald Brodeur.....	Fall River, Massachusetts
*	Brice Alan Bucher.....	Marshall, Illinois
*	Warren Phillip Bullock	Middletown
A	Robert William Cain.....	Daleville
	Brian Charles Dougherty.....	Terre Haute
*	Steven DeWayne Dunn	Princeton
*	Daniel Paul Engel	Cheviot, Ohio
*	Arthur Nello Giannini, Jr.....	Munster
	Scott Alan Gilmour	West Terre Haute
	Gregory Lane Hendrick.....	Decatur, Illinois
**	Brent William Hoffman.....	Sellersburg
	James Edward Hughes.....	Dillsboro
	Joseph Lee Johnson.....	Pittsboro
	Eric Junsu Jun	St. Louis, Missouri
G	Harold Glen Kays, Jr.....	New Salisbury
	Steven Thomas King.....	LaPorte
**	Todd James Lemon.....	Columbia City
**	Jason Trevor Livermore.....	New Ulm, Minnesota
	Mark Howard Mars.....	Paris, Arkansas
	Stephen Eric Mattingly	Dale
	Wesley Barton Maxie	Brownstown
	Patrick Dylan McCrudden	Troy, Michigan
*	Jason Allen Mix	Monte Vista, Colorado
G***	Barry Steven Moffitt.....	Pendleton
***	Theron William Nelson	Oakland City
AF	Raymond Orie.....	Downington, Pennsylvania
	Brent Allen Reyher	Brazil
*	Frederick Gray Robbins.....	Columbia, South Carolina
	Thomas Corey Schultz.....	New Palestine
	Ronald Lee Shaffer II	Danville, Illinois
	Matthew Lawrence Stamm	Glendale, New York
	Patrick John Townsend	Crown Point
	Irvin John Vanderpohl	Greensburg
	Stephen Michael Varga	Cedar Lake
**	David James Walker	Lubbock, Texas
***	James Russell Webster.....	Davison, Michigan
	Thomas Matthew Webster	Sunman
**	Matthew David Werner.....	Merrillville
	Timothy Gene Wiley.....	Indianapolis
	Troy Alan Wilhelm	St. Leon
	Michael Brian Wonder	Washington
*	Jonathan D. Yoder.....	Middlebury

MATHEMATICS

**	Michael Duane Galloy	LaPorte
***	Trevis J. Litherland	Winslow
††G**	Coey Dean Minear.....	Fridley, Minnesota
††**	Donald Wayne Stanton.....	Seymour
††***	Mark Andrew Stremler	Port Huron, Michigan
	Timothy Allen Watson	Jeffersonville
	William E. Whitlow	Piqua, Ohio
*	Daniel Lee Wilson	Mayfield, Kentucky

MATHEMATICS AND COMPUTER SCIENCE

*** Anthony Lee Hinrichs Des Moines, Iowa

MATHEMATICS AND ELECTRICAL ENGINEERING

* David Brent Pottschmidt.....Brownstown

MECHANICAL ENGINEERING

* Kyle Christopher Arnold	Clayton
David Willard Badger, Jr.	Henryville
R** David William Bailey.....	Alexandria, Virginia
Jason Christopher Bone	Portland
*** Charles Laton Brads	Clayton, Ohio
James Anthony Broskow.....	Buffalo Grove, Illinois
Brian Duane Brown.....	Kendallville
Chad Robert Brown.....	Vevay
Jason Farrell Brown.....	Haubstadt
Caleb Douglas Buchanan	St. Francisville, Illinois
Joseph L. Butcher	Ellettsville
Kevin Michael Cahill	Terre Haute
Richard Andrew Campbell	Elgin, Illinois
** Sean Daniel Chambers.....	Mitchell
Mitchell Cheatham	Reelsville
Stephen Lee Coffey	Middletown
** Richard James Comer, Jr.....	Owensville
Mitchel Ryan Deckard	Mishawaka
Todd Alan DeVore.....	Wapakoneta, Ohio
Jeffery Howard Dove.....	Indianapolis
Robert Allen Dove	Indianapolis
** Jonathan Michael Drew.....	Terre Haute
G** Bryan Douglass Drummond	Fort Wayne
** Paul Martin Fathauer	Oakwood, Illinois
Paul Joseph Fessel	Floyds Knobs
Timothy Paul Fiedeldey.....	Aurora
Todd Joseph Foreman	Greenfield
C Richmond Todd Fox	Indianapolis
** Mark Aaron Fozkos.....	Highland
Jeffrey Linn Geesaman	Dunkirk
* Eric Stephen Geib	Palmyra, Pennsylvania
G*** Spencer Lee Geswein	Fowler
Scott Douglas Gilkison.....	Middletown
William John Haas	Avon, Ohio
Jeffrey James Haggerty	Lake Fenton, Michigan
Chaka Hannah	Panama City, Florida
Matthew Joseph Harbert	Kettering, Ohio
Richard Earl Helfert.....	Tennyson
Jason Ryan Jeffries	Jasper
** Claude Matthew Johnson IV	Anderson
Anthony Ray Jones	West Terre Haute
Andrew James Kasal	Tinley Park, Illinois
Brian Lawrence Kendall.....	Mooresville
* Michael Thomas Kridner.....	Chenoa, Illinois
Robert Russell Lamberson	Dannebrog, Nebraska
** Cory Benson LaRoche	Plainfield
*** Jonathaon C. Lawrence.....	Greensburg
** Eric Brian Link	Portland
Jay Christopher Lorentz.....	Slippery Rock, Pennsylvania
Kenneth Wayne Mangis	Kirklin

	William Frederick Mathies, Jr.	Dayton, Ohio
**	Brett Phillip Mazany	Noblesville
	Gregory Clarence Meyer	Osgood
*	Eric Anthony Mihal	Gary
***	Leonard Joseph Muhlenkamp	Portland
*	Peter James Murfey	Valparaiso
	Clark Randall Newton	Los Alamos, New Mexico
	Corey James Ottens	Morrison, Illinois
	Michael John Pogue	Bremen
	Wyatt Kyle Powell	Greentown
	Chad Brian Powers	Brocton, Illinois
	Jeffrey Thomas Rafter	Greenfield
	Timothy Edward Ream	Clay City
	Kelby V. Ridenour	Wabash
	Joseph Paul Ritz	Newton, Illinois
	Gerald Yetive Ruppert	Huntington
	Joseph Edward Schmits	Evansville
	William David Sider	Indianapolis
	Eric Daniel Smith	Augusta, Maine
**	Gary Lawrence Solbreken	Willmar, Minnesota
	Douglas James Sowder	Hebron
A	Edwin Wilson Stacy	Lowellville, Ohio
**	Paul Ryan Stafford	Sullivan
*	Jason Andrew Staley	Indianapolis
††**	Donald Wayne Stanton	Seymour
	Daniel Patrick Steele	Danville
	Eric Paul Steinbach	Manawa, Wisconsin
	Andrew George Stiles	Newburgh
*	Norman Wade Stockton	Morgantown
††***	Mark Andrew Stremler	Port Huron, Michigan
	Brian Calvin Taylor	Fairbanks, Alaska
**	Derek Timothy Taylor	New Palestine
	Steven Charles Taylor	Lowell
	Ethan Rene Warner	Crawfordsville
	Alan Lee Welch	Versailles
C	Jonathan Ashley Whitcomb	Terre Haute
	Ronald Duane White	Shelbyville
	Robert Edward Wood	Lake Havasu, Arizona

MECHANICAL ENGINEERING AND ECONOMICS

***	Dylan Clark Schickel	New Albany
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PHYSICS

**	Jeffrey T. Miheve	Wyoming, Michigan
††G**	Coey Dean Minear	Fridley, Minnesota
	Douglas Charles Pearson, Jr.	Hilliard, Florida

Master of Science

May 29, 1993

APPLIED OPTICS

Steven Michael Blair.....Crown Point
"Photochromic Methyl Violet as a Holographic Medium"
Thesis Advisor: Professor A. Siahmakoun

Eric Anthony RothHobart
"Direct Fabrication and Testing of Fiber Optic Microlenses"
Thesis Advisor: Professor Robert M. Bunch

BIOMEDICAL ENGINEERING

Royce Frederick Low.....Westport
"Mechanical Properties of a
Hydroxyapatite-Polymethylmethacrylate Bone Cement Composite"
Thesis Advisor: Professor Samuel F. Hulbert

Brett Thomas WeinzapfelEvansville
"A Catheter-Tip L-Lactate Sensor for In-Vivo
Measurement of Plasma Lactate Concentration"
Thesis Advisor: Professor Lee R. Waite

James Morris WinkleyIndianapolis
"An In Vitro Study of Crevice and Galvanic Corrosion
of SS316L, Co-Cr-Mo, Ti-6%Al-4%V, and cpTi"
Thesis Advisor: Professor Samuel F. Hulbert

CHEMICAL ENGINEERING

Daqing Shi.....Shanghai, P. R. China
"Study of Controlled drug Release Systems
Using Biodegradable Polylactic Acid"
Thesis Advisor: Professor Samuel F. Hulbert

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Thesis Advisor: Professor Daryl L. Logan

ELECTRICAL ENGINEERING

Larry Edward ConradPlainfield
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on Electrical Power Systems"
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Jack Eugene Fulton, Jr.Bloomfield
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 Thesis Advisor: Professor James R. Eifert

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