



**The Materials
Information Society**

Indianapolis Chapter

2010-2011 Yearbook

*I'D LIKE TO THANK THE ASM
INDIANAPOLIS CHAPTER MEMBERS
AND EXECUTIVE COMMITTEE FOR A
VERY SUCCESSFUL 2009-2010
CHAPTER YEAR. KEEP UP THE GOOD
WORK AND BEST WISHES FOR MUCH
SUCCESS DURING THE
2010- 2011 YEAR*

IMMEDIATE PAST CHAIR
HENRY J. WHITE, PhD, PE

ASM Int'l Indianapolis 2010-2011 OFFICERS

CHAIR

ANNE STOCKDALE, ROLLS ROYCE
Anne.stockdale@liberty.rolls-royce.com

VICE CHAIR

Dr. Li Li, PRAXAIR
Li.Li@praxair.com

SECRETARY

DAVE HERSHBERGER
davehersh@aol.com

TREASURER

LEE FLOWER, HAYNES INTERNATIONAL
lflower@haynesintl.com

2010-2011 Tentative Program

*Meeting will be on the third Monday of the month at Holiday Inn at the
Pyramids unless otherwise noted.*

MONTH	TOPIC	SPEAKER
SEPTEMBER	JOINT MEETING: ASME	TBA
OCTOBER	JOINT MEETING: FOUNDRY SOCIETY	TBA
NOVEMBER	PLANT TOUR HAYNES INTERNATIONAL	
DECEMBER	TBA	STEVE FERDON CUMMINS INC.
JANUARY	TRUSTEE VISIT	
FEBRUARY	SOCIAL	MICRO BREWERY
MARCH	STUDENT NIGHT	PURDUE UNIVERSITY
APRIL	PAST CHAIR/ AWARDS/ SCHOLARSHIPS NIGHT	DR. VENKAT ISHWAR HAYNES INTL.
MAY	INDY 500 MAINTENANCE FACILITY TOUR	
JUNE	GOLF OUTING	

Please visit www.asm-indy.org for updated information

PAST CHAIRS



Past Chairs' Night on April 19, 2007

1919-20	Paul O. Deeds	L	T. Hughel	1981-82	Kenneth H. Ryan	
1920-21	W.E. Hayward		1954-55	W.W. Brandel	1982-83	Thomas A. Taylor
1921-22	W.R. Chapin	L	Glenn A. Fritzen	1983-84	John Worden	
1922-23	A.L. Cramp		1955-56	Wayne H. Glover	L	Geraldine Vest
1923-24	H.R. Northrup	L	Lester E. Alban	1984-85	Murray Siegel	
1924-25	W.R. Chapin		1956-57	Edwin E. Tuttle	L	Dwayne L. Klarstrom
1925-27	W.G. Praed	L	G. A. Geopfert	1985-86	L. John Meyer	
1927-28	C.H. Beach		1957-58	George Shubat	L	Vi Byrd
1928-29	E.J.P. Fisher	L	L. J. Ewalt	1986-87	Russel Heath	
1929-30	Carl J. Winkler		1958-59	Carl E. Weber	1987-88	Kenneth A. Green
1930-31	W.T. Richards	L	C. T. Leaman	L	Diane Martin	
1931-32	E.S. Moore		1959-60	Charles C. Patton	1988-89	Charles Antony
1932-34	A.E. Focke	L	E. G. Ridoux	1989-90	B. Keith Moore	
1934-35	S.A. Silberman		1960-61	George F. Sommer	L	Jim Widomoyer
1935-36	R.L. Fitzsimmons	L	R. Schuhmann, Jr.	1990-91	Charles Antony	
1936-37	Herman A. Burkhardt		1961-62	Dean K. Hanink	1991-92	Linda Freund
1937-38	Ralph A. Thompson	L	J. S. Sabol	L	Murthy	
1938-39	Dewey M. Mead		1962-63	Peter C. Murphy	1992-93	Deborah S. Doan
1939-40	Robert L. Heath		1963-64	Vito V. Mitkus	L	Kristen Sunderson
1940-41	P.B. Jensen		1964-65	Theodore H. Carlson	1993-94	Wilford Boyland
1941-42	Harold H. Lurie		1965-66	William J. Unterberg	1994-95	Michael D. Leslie
1942-43	R.H. Stewart		1966-67	John R. Kildsig	L	E. P. Kvam
1943-44	W.E. Ellsworth		1967-68	William M. Button	1995-96	Charles Teague
1944-45	T.G. Harvey		1968-69	E. Scott Nichols	L	Mileta Tomorryc
1945-46	Paul F. Ulmer		1969-70	Carl F. Brandenburg	1996-97	Robin-Elizabeth Parsley
1946-47	Ralph Stahl	L	H. P. Haberstroh, Jr.	1997-98	Elizabeth Laura Stocker	
1947-48	A.J. Newsom		1970-71	Raphael Galerian	1998-99	James R. Woodruff
L	H. J. Bates		1971-72	Noble York	1999-00	William Jarosinski
1948-49	J.G. Worthington		1972-73	Donald A. Pearson	2000-01	Fred Baldwin
L	H. C. Dameron, Jr.		1973-74	Gordon H. Moline	2001-02	Raymond J. Sinatra
1950-51	John W. Watson		1974-75	Robert C. Tucker, Jr	2002-03	Ann Bolcavage
L	J. T. McCormack		1975-76	Leo M. Brown	2003-04	George Meng
1950-51	John E. Mitchell	L	Gerald L. Liedl	2004-05	Heng Huang	
L	F. C. Kroft, Jr.		1976-77	Richard R. Green	2005-06	Steve Maus
1951-52	H.J. Fletcher		1977-78	Donald R. Betner	2006-07	Tony Brozan
L	Hurst		1978-79	Dr. Leslie Stewart	2007-08	Mark Emerson
1952-53	Carl O. Sundberg		1979-80	Justin R. Drake	2008-09	Charles Reeves
L	C. R. Anderson		1980-81	Thomas C. Tsareff	2009-10	Henry White
1953-54	J.D. Duncan	L	W. E. Blatz			

Note: L – Lafayette, IN

2009 – 2010 EXECUTIVE BOARD MEMBERS

Chair
Henry White

hwhite@haynesintl.com

Treasurer:
Patrick Tillman

Patric.Tillman@sherrylabs.com

Vice Chair
Lee Flower
lflower@haynesintl.com

Secretary
David Hershberger
davidhersh@aol.com

Executive Committee Members

Yearbook	Andrei Ivanov	andrew_ivanov@praxair.com
Social	David Fleckenstein	Dfleck2@sbcglobal.net
Auditing	Steve Maus	steve.maus@westinstruments.com
Immediate Past Chair	Charles Reeves	creeves@uspatent.com
Publicity	Andrei Ivanov	andrew_ivanov@praxair.com
Finance	William Jarosinski	william_jarosinski@praxair.com
Nominating	Henry J. White	hwhite@haynesintl.com
Education	Heather Kopeschka	heather.m.kopeschka@rolls-royce.com
MEI	Bill Baker	Opw1329@cs.com
Golf	Ken Green	kenneth.a.green@rolls-royce.com
Historian	Thomas Tsareff	ttsareff@aol.com
Webmaster	James Woodruff	webmaster@asm-indy.org

FELLOWS OF ASM INTERNATIONAL

Dr. Arden Bement
Dr. William Brindley
Dr. Mysore Dayananda
Mr. Justin Drake
Mr. Glenn Fritzen
Dr. David Furrer
Dr. Richard Grace
Mr. Robert Herchenroeder
Dr. Marvin Herman
Mr. Frank Hermanek
Dr. Galen Hodge
Dr. Alexander King
Dr. Dwaine Klarstrom
Dr. Kishor Kulkarni
Dr. Gerald Liedl
Mr. Scott Nichols
Dr. Bal Nijhawan
Mr. Mike Rothman
Mr. George Shubat
Dr. Thomas Taylor
Dr. Robert Tucker

MEMBERS OF LONG STANDING

(* = life member)

50+ YEAR MEMBERS

* Mr. Norman B. Jones	75	* Dr. Richard E. Grace	60
* Mr. Stephen L. Lester	74	* Mr. W. H. Shafer	60
Mr. Tim D. Sanders	74	* Mr. Vito V. Mitkus	60
* Mr. John R. Kildsig	70	* Mr. Raymond J. Mayer	60
* Mr. Harold N. Myers	70	* Mr. Paul D. Bailey	59
* Mr. A. J. Newson	70	* Dr. Arden L. Bement	58
* Mr. Louis W. Mc Bride	69	* Mr. Thomas C. Tsareff	58
* Mr. John D. Burney	69	* Mr. Carl E. Weber	58
* Mr. G. R. Sippel	67	* Mr. Earl E. Jenkins	57
* Mr. Glenn A. Fritzlen	67	* Mr. Gerald L. Liedl	57
* Mr. B. Cotter C. Vaughn	66	* Mr. James E. Hamer	57
* Mr. Amiel Gelb	66	* Mr. Robert T. Duerigen	55
* Mr. Noble C. York	66	* Mr. Charles C. Myers	54
Mr. Ralph W. Stahl	66	* Mr. Robert W. Stusrud	54
* Mr. James C. Butler	66	* Mr. Karl E. Muszar	54
Mr. Ralph W. Stahl	66	* Mr. Richard H. Perkins	54
* Mr. George J. Shubat	63	* Mr. Donald S. Carter	53
* Mr. Lester E. Alban	63	* Mr. Robert B. Herchenroeder	53
* Mr. E. W. Larson	63	* Mr. E. E. Wene	53
* Mr. Justin R. Drake	62	* Mr. Scott Nichols	53
* Mr. Robert L. Hughes	62	* Mr. Murray Siegel	53
* Mr. William O. Trowsell	62	* Mr. Harry W. Carmichael	52
* Ms. Helen G. Wechsler	62	* Mr. John E. Henry	52
* Mr. Robert C. Behnke	62	* Mr. R. W. Dugan	52
* Mr. James C. Kenney	61	* Mr. Joseph J. Komenda	52
* Mr. Kay M. Shupe	61	* Mr. Raphael Galerman	51
* Mr. L. L. Webber	61	* Mr. Paul C. Becker	51
* Dr. Marvin Herman	61	* Mr. Charles R. Casey	51
* Mr. Russel V. Heath	61		
* Mr. William E. Blatz	60		

25+ YEAR MEMBERS

* Dr. Frank Galen Hodge	50	Mr. James C. Schluckbier	43
* Mr. Douglas M. Miles	50	Mr. Joseph R. Ward	42
* Mr. Frank J. Hermanek	50	Mr. William H. Brafford	42
* Mr. Ralph E. Litz	50	Mr. Lewis J. Meyer	42
* Mr. Robert S. Boles	50	* Mr. Raymond K. Chien	41
* Mr. Malcom D. Griner	50	* Mr. Dan W. Kerkhoff	41
* Mr. Thomas L. Rossell	50	Mr. Carl F. Musolff	41
* Mr. John B. Barclay	49	Mr. Roy Kent Stout	41
* Dr. Robert C. Tucker, Jr.	49	* Mr. D. R. Bowers	41
* Mr. Robert W. Evans	49	Dr. Yong-Ching Chen	41
* Mr. Cho-Yen Ho	49	Dr. Richard D. Zordan	40
* Mr. Richard A. Crawford	49	* Prof. B. Keith Moore	40
* Mr. Rodney L. Manns	48	Mr. Charles R. Reeves	39
* Mr. Wayne L. Seagren	48	* Prof. Mysore A. Dayananda	39
* Mr. Kenneth H. Ryan	48	* Mr. Thomas A. Blanchard	39
* Dr. Thomas A. Taylor	48	* Dr. Dwaine L. Klarstrom	39
* Mr. Gordon L. Starr	48	* Mr. H. Lee Flower	38
* Mr. Anthony J. Stavros	47	* Mr. Richard L. Wagner	38
* Mr. Maganlal J. Patel	47	Mr. Kenneth A. Green	38
* Dr. Harold H. Fukubayashi	46	Mr. Mike Dickerson	37
* Mr. Rick J. AndersonDecina	46	Mr. Murthy N. Nemani	37
Mr. Thomas J. Dunn	46	Mr. Timothy J. Pruitt	37
* Mr. Frank R. Knox	46	Mr. Peter M. Freeman	36
* Mr. Richard B. Green	46	Mr. James R. Woodruff	36
Mr. Michael F. Rothman	45	Mr. Marcus W. Abney	36
* Dr. M. L. Sutherland	45	* Mr. Freddy J. Smith	36
* Mr. Glenn W. Tuffnell	45	Mr. Nicholas E. Cherolis	34
* Mr. Roger R. Loeffgren	45	* Mr. Wilford B. Boyland	34
* Mr. Donald L. Elzy	45	Mr. Frederick E. Baldwin	34
* Mr. William D. Hollander	44	Dr. Kishor M. Kulkarni	34
Gary Garitson	43	* Mr. William R. Robertson	33
* Mr. Moshe M. Barash	43	Mr. David L. Hershberger	33
* Dr. Robert P. Walson, Ph.D	43	Mr. Randolph C. Helmink	33
Mr. Brian M. Clark	43	Mr. Allen W. Stebnicki	33

Dr. S Krishna Srivastava	33	Dr. Amit Chatterjee	28
* Dr. Bal Raj Nijhawan	32	Ms. Christine L. Corum	28
Mr. Delbert L. Compton	32	* Wayne Mizer	27
Mr. Jeff G. Hughes	32	Mr. Stanley G. Gembolis	27
Mr. Mark S. Emerson	32	Dr. Ronald G. Iacocca, Ph.D	27
Mr. David D. McDevitt	32	Mr. Abner D. Joseph	26
Mr. Michael Katcher	31	Dr. William J. Brindley	26
Mr. Steven T. Harper	31	Mr. Dennis Glasgo	26
Mr. Thomas W. Ancich	31	Mr. Robert A. Miller	26
Dr. Adil A. Ashary	31	Dr. Mary Lee Gambone	26
Mr. David W. Abrams	31	Mr. Timothy H. Bellish	26
Steven Ferdon, P.E.	31	Mr. Michael L. Morgan	26
Mr. Rensen Wu	30	Mr. Randall J. Stafford	25
Dr. James W. Watson	30	Dr. David U. Furrer	25
Mr. Howard S. Savage	30	Mr. Michael B. Behling	25
Dr. James M. Carlson	29	Mr. Darrell Wisner	25
Ms. Deborah S. Doan	29	Ms. E. Laura Stocker	25
Mr. Steven J. Matthews	28		
Mr. Daniel L. Antle	28		

HISTORY OF THE INDIANAPOLIS CHAPTER

The Indianapolis Chapter of the ASM International was initiated as a chapter of the Steel Treating Research Society on January 2, 1919. On September 14, 1920 the Steel Treating Research Society consolidated with the American Society for Steel Treating into one organization. The first annual convention was held in Indianapolis in September, 1921.

The first educational series was inaugurated by Mr. H. B. Northrup in 1924. A comprehensive course covering Metallurgy of Iron and Steel from the ore to the finished product as well as heat treating was welcomed by industry.

On January 1, 1934, the American Society for Steel Treating changed its identification to American Society for Metals. Since that time, the Indianapolis Chapter has grown in stature and developed to become one of the leading ASM Chapters.

The 25th Anniversary celebration was held in November 1944 at the Murat Temple. James Worthington was chairman; National President Kent R. Van Horn and National Secretary and ASM founder Bill Eisenman were guests of honor at the affair, which enjoyed an attendance of over 500 persons.

Outstanding honors were bestowed on this Chapter in those years, including the awarding of the Sauveur Achievement Award to W. R. Chapin in 1936, and the election of Dr. A. E. Focke to the National Presidency in 1949.

The activities of the Indianapolis Chapter continued to become more diversified. Under the guidance of C. Sundberg, in 1952-53, duties and responsibilities of committees were outlined in detail to increase activity. Greater emphasis was placed on the chapter budget with the result being a steady buildup in the reserve. The 1957-58 administration inaugurated a Year Book to keep members better informed.

Emphasis was placed on education throughout the 1960's. In 1963 the Chapter joined with the Indianapolis Engineering Societies in inaugurating Career Guidance Day, where high school students are informed about careers in engineering. The Chapter regularly honored young local winners of Science Achievement Awards.

1964 marked the formation of the first 'Metals Engineering Course'. With a title of '*Elements of Metallurgy*', the chapter had hoped to assist industry with a subject for non-metallurgists, thus providing an education forum not available in Central Indiana. Class space at Butler University had been arranged by ASM organizers Tom Tsareff and Vito Mitkus. Hoping for 25 students, they were surprised with over 60. Hurriedly arranging for a second class room and some sharing of texts, each taught a class. This was the start of one of the major programs of the Indianapolis Chapter.

Chapter membership continued to grow. Joint meetings with the Purdue Chapter were well received. Plant tours of local industries became popular.

The high point of the 1968-1969 year was the 50th Anniversary of the Indianapolis Chapter. Scott Nichols was Chapter Chairman. Many local and national guests attended the festivities held at the Marott Hotel.

Honors continued by Mr. Dean K. Hanink's election to the ASM Board of Trustees. Dr. Robert Meyerhoff received the ASM Presidents Award for superb contributions to Student Affairs. In 1970, Thomas C. Tsareff received one of three national ASM Awards of Merit for services to the Chapter and the Society.

National honors continued to come to the Chapter. In 1970, four ASM members; T. G. Harvey, Dr. A. E. Focke, G. Shubat, and C. O. Sundberg were named Fellows of ASM for distinguished contributions to the materials field. Chapter members Don Betner and Wayne Hepfer were co-winners of the Francis F. Lucas Award for their superior metallographic exhibit at the Metals Congress.

In the 1974-76 period, Dean Hanink was elected as National President of ASM. Further national

recognition was gained when Wayne Hepfer received the Engineering Assistant's Award.

Several Chapter members served on national committees in this period. These included Betner on the Handbook Committee, Heath on the MEI Committee, and Siegel on the committee on Materials Availability. Noble York, a member of the Academy for Metals and the Materials Committee, served on the MEI committee.

All-day seminars on various Materials and Materials Engineering subjects were prominent among Chapter educational activities. MEI courses benefited many.

Emphasis on service and education has continued into the present decade. Chapter Scholarship program was initiated in 1981, with the first recipient being the Metallurgical Engineering Department at Purdue University.

Ensuing years showed a progression of excellent technical programs, seminars and other educational programs. With the primary theme of providing educational pursuits for industry, a series of early morning seminars allowed individuals that couldn't make evening programs to attend presentations from both Indianapolis industry and yearly Purdue University students.

History was made in the 1988-89 period. Recognized that engineering was not just a male occupation, Linda Cox Freund was elected as the first lady major officer.

During the 1990-91 period, Murray Siegel was appointed as Financial Committee Chairman with responsibilities of optimizing Chapter Investments. The technical program was highlighted by Chairman Chuck Antony's arranging a visit from NASA Astronaut Col. Schreiber. The Chapter could now witness ASM from space as well as on the surface of Planet Earth.

The 1991 plant tour of the Nucor continuous-cast steel mill in Crawfordsville, arranged by chairperson Linda Freund, provided a glimpse of the technical efficiencies required for competitiveness in today's global marketplace. Feedstock for this facility is 100% scrap material. The annual chapter yearbook also was reinstated under Linda after a short absence.

Past chapter chairman Thomas Taylor was named an ASM Fellow in 1992. Under chairperson Deborah Doan, student scholarships were increased in value. The chapter studied the organization of foreign based industry.

Crowning the 1993-1994 activities was the celebration of the Chapter's 75th anniversary with a gala celebration at the Westin Hotel. With two musical ensembles, a champagne dinner, and dancing, members celebrated "ASM Day", as proclaimed by the mayor Goldsmith's office, in grand fashion. Major addresses were given by John Simon (President, ASM International), Ed Langer (Managing Director, ASM International), Art Focke (Chapter Chairman Emeritus, 1932-34 and former National President, 1949) and our enthusiastic Chapter Historian, 'Welcome to the wonderful world of Metallurgy' Tom Tsareff. Chairman Bill Boyland, Russel Heath and the entire Gala committee planned a truly memorable event.

Science and technology continued to be keywords of the Indianapolis Chapter in 1994-95. Chairman Michael Leslie arranged many diverse and interesting programs, including two student-built non-polluting competition cars (both cars actually attended the Chapter meetings). Over 125 attended the plant tour of United Airlines Maintenance Facility where 737 aircraft are inspected and refurbished. Chapter outreach was expanded by conducting joint meetings with Muncie and Lafayette Chapters as well as with ASME. Further national honor came to the Chapter with the election of Dr. Kishor Kulkarni as an ASM International Trustee.

The 1995-1996 year began with some major revision to the Chapter Bylaws, allowing the Chapter to obtain not-for-profit status with the State of Indiana. Chairman Charles Teague arranged excellent technical programs and an impressive plant tour at the Caterpillar Large Engine plant in Lafayette, IN. With space donated by a local ISP, Chapter Secretary Jim Woodruff established the Indianapolis Chapter as one of the first with a web site on the Internet. The Chapter's Home Page featured all of the 1995-1996 activities, with links to and from the National Home Page.

Chairperson Robin Elizabeth Parsley put together an excellent program year for the 1996-1997 year using mostly local talent and operating the Chapter well within budget. The level of scholarships

awarded by the Chapter was increased to \$2000 and it was decided to add to that any golf outing profits to attract further sponsorship.

The 1997-1998 program year began with the Chapter arranging its September meeting as part of the National '97 ASM International Annual Event, which was held in Indianapolis. Many of the Directors and Officers of ASM International attended to hear Dr. Nicholas F. Fiore present an Outlook for the Materials Industry in the 21st Century. Another well-known speaker was metallographer George Vander Voort, who presented metallurgical investigation of the failed Three Mile Island nuclear reactor. Chairperson Laura Stocker retained the Chapter's coveted 5-star rating.

In 1998-1999, Chairman Jim Woodruff focussed on three goals; involvement from the south, outreach to education, and affordability for members. Two highly successful MEI courses were presented, and two extremely worthy students were presented Chapter scholarships. The lecture series included numerous and diverse subjects. Certainly, having the President of ASM International visit from Sandia National Laboratories discussing micromachines and their potential led us into the future. It was almost unbelievable to see a dust mite running on a working microgear nearly its own size.

This 1999-2000 year was most notable for the completion of the merger with the Purdue/Lafayette/Kokomo Chapter, increasing the roles of the Indianapolis Chapter to nearly 600. Chairman William Jarosinski, involved speakers from Haynes International in the merged area, and arranged a bus tour to see the Purdue Material Engineering facilities. Two scholarship, two MEI courses, and a short seminar on financial investing also highlighted the year. Ann Bolcavage did a great job of filling in for Secretary Carolyn Merritt who resigned to move away early in the year. With sadness, the Chapter noted the death of its most distinguished 75-year member and former ASM National President, Dr. Arthur Focke on August 20, 1999. Dr. Focke lived to celebrate the 50th anniversary of his national presidency (1949-50), and 67th anniversary of his Indianapolis Chapter Chairmanship (1932-33).

During the 2000-2001 chapter year Chairman Fred Baldwin launched the Chapter into the new century with a full set of technical programs and two highly successful MEI courses. His program demonstrated that not just engineering is important to ASM principles, but also that the furtherance of education and networking is necessary. Other interests were presented, such as the need for engineering thought in the activities of the Indianapolis Chamber of Commerce, preparation of savings plans for eventual retirement, and (since May marks the Greatest Spectacle in Racing), a presentation on non-destructive testing of high speed racing equipment components and the analysis of race car accidents contributing to safer cars. The plant tour was of Praxair Surface Technologies in Speedway, Indiana (recently proclaimed an official historic site in the field of metallurgy). Becoming more acquainted with the members of the former Purdue Lafayette/Kokomo Chapter was a highlight of the year for members who regularly attended the meetings.

The excellent performance of the officers and executive committee has continued to further the ideals and principles of ASM International and the long history of the Indianapolis Chapter in 2001-2002. Dr. Robert Tucker, FASM, was successfully nominated for Vice-president of ASM International. Dr. Thomas Taylor, FASM, was accepted as a member of the Election Committee. Assistance to the Purdue University Student Chapter has continued. The chapter website has been continuously maintained and improved by webmaster Jim Woodruff. The MEI education program has continued with excellent results. Efforts have been coordinated with ASM International to further membership procurement and retention. Two social events were held to encourage participation of spouses and members.

The joint meeting with the Central Indiana Chapter of the American Foundry Society was re-established in 2002-2003 after a long hiatus. In October, former Indianapolis Chapter Chairman Dr. Robert C. Tucker, FASM, was elected Vice President of ASM International. Scholarships were awarded to two local high school seniors, and plans were set in motion to include a Student Chapter Liaison position on the Executive Committee for the upcoming 2003-2004 Chapter year. A successful Chapter program was realized despite the difficult economic conditions in the area. Due to everyone's efforts, the Indianapolis Chapter maintained its vibrant 5-star status/2003 - 2004 found another progressive year added to the illustrious history of the Indianapolis Chapter, ASM International. A member of the Indianapolis Chapter, **Dr. Robert Tucker**, was elected **President of ASM International**.

Under the tutelage of Chairman George Meng, with the assistance of an excellent executive committee, the financial situation has improved. Updating of normal operations has produced more efficient format of the monthly newsletter and yearbook. Various cost-cutting studies have been effective, Technical programs and educational programs continue to enhance knowledge for industry participants. Our skilled webmaster, Mr. James Woodruff, rapidly assimilates program material and Chapter schedules into the Chapter Website. Educational programs included a highly successful Metals Engineering Institute course covering Thermal Spray Technology. Several past chairmen in advisory positions have worked with Dr. Meng for an efficient changeover for the incoming officers. The ensuing year will offer other challenges and all ASM participants look forward to further enhancing 'ASM – the Wonderful World of Materials and Material Sciences'.

Economic changes in local and national affairs created a need for decision making by the Executive Committee. Throughout the 2004-2005 Chapter Year the thought was prevalent that two issues were at stake. Programs and activities needed to be developed to continue education efforts for the older, established members. Science and technology doesn't move rapidly, but rather it does move continually. Speakers were needed to cover the new material, items that individuals might not have had time to investigate. But at the same time, the influx of new, younger individuals needed a different approach. Two approaches were followed. The always excellent Metals Engineering Institute program "Induction Heating" was successfully presented. Student's Night with fine presentations by two members of Purdue University proved interesting. Then the decision to have Past Chairman's Night combined with a visit to the McKenzie Career Center proved valuable to both the Past Chairmen and to the faculty of the Center. It also provided the Chapter opportunity effort to show their continued interest in education. Chairman Dr. Heng Huang concluded his year with success and the Chapter has been turned over to Incoming Chairman Stephen Maus, who has been formulating plans for the next 12 months.

The 2005-2006 again proved to be a banner year. The efforts of the officers assisted in maintaining a 5-star chapter. Chairman Steve Maus and others studied activities of past years and adopted the lessons learned from successful programs. The new ASM Indianapolis year with new officers were charged by the outgoing officers to learn from the past but face the future with increased enthusiasm using information gained toward the progress being made in the Materials and Sciences Field. Once again it was recognized that the metallurgical world is a changing one. MEI courses will continue to serve not only those persons just entering the field but also those individuals with other subject credentials that need an acquaintance with the Materials Fields. Close support with the National Organization was instituted to form a partnership, not just a relationship. One of the strong points of any ASM chapter is the ability to maintain a constant progress toward the ideals of education and the development of engineers and technicians. With the continuing industrial movement of personnel, the 2006-2007 leaders of the Indianapolis Chapter were able to continue forward when key officers departed to new locations. A solid Executive Board that assumed extra work until other members became available to fill various slots kept interest and programs operating. Certainly, the presentation of Metals Engineering Courses with at times past chairmen as mentors as well as other members with expertise in specific subjects continues to be financially and technically rewarding leading to our goal of education progression. Social periods prior to technical sessions were well received giving members and guests a chance to become acquainted with diverse thoughts and knowledge of technical advances. Family social nights were also well planned and enjoyed. Excellent programs starting with Nanotechnology and concluding at years end with Metal Forming of materials for U.S. Marine Corps programs were interesting and informative. With incoming officers the Indianapolis Chapter continues on its every thought to increase membership and further inform the populace that ASM International is a vital, ever progressing organization moving forward toward the advancement of science and technology. During the 2007-2008 Chapter year the actions of many talented individuals served well to maintain the transmission of materials technology. Chapter activities were applied to education with awarding of scholarships. Members of the Chapter met in a social grouping thus providing cross discussion with spouses. A large contingent enjoyed a day of golf where business was frequently discussed. Members presented continuing education to both metallurgists and interested engineers with an MEI course. Interesting monthly lectures served to present new subjects. ASM activities continue with a look to the future, to maintain a lively organization. Challenges have been met with thoughtful effort. We know that once again, science and technology will continue and the Indianapolis group will strive to continue their pursuit for education excellence.

Rules For The Government Of The Indianapolis Chapter Of ASM International

(Revised September 1995)

ARTICLE I

NAME, PURPOSE, LIMITATIONS, AND DISSOLUTION

SECTION 1. **Name:** The name of this Chapter of ASM International, hereinafter called The Society, shall be the Indianapolis Chapter of ASM International, hereinafter referred to as The Chapter.

SECTION 2. **Purpose:** The Indianapolis Chapter is formed for the exclusive purpose of advancing, in its own geographical region, scientific, engineering, technical and practical knowledge, particularly with respect to the manufacture, treatment, selection and use of engineered materials, through education, research and the compilation and dissemination of information useful to the individual and beneficial to the general public.

SECTION 3a. **Limitations:** The Indianapolis Chapter shall operate only under the Charter granted to it by ASM International, giving it authority to carry on the work of the Society, subject to the rights, privileges, and obligations provided for in The Constitution and The Rules, for the Government of the Society, hereinafter called The Rules.

SECTION 3b. No part of the net income of The Chapter shall inure to the benefit of any private individual or company.

SECTION 3c. No substantial part of the activities of The Chapter shall consist of carrying on propaganda or otherwise attempting to influence legislation, or of participating in (including the publication or distribution of statements) any political campaign on behalf of any candidate for public office.

SECTION 3d. The Chapter shall not at any time possess powers, exercise authority or engage in activities, either expressly, or by interpretation, which are not permitted to be possessed, exercised, or engaged in by an organization exempt from Federal Income Tax. (For Chapters in the United States of America, attention is directed to Section 501 (c) (3) of the Internal Revenue Code of 1954 or the corresponding provision of any subsequent and future United States Revenue Law.)

SECTION 4. **Dissolution:** If the Chapter should return its charter to The Society for any reason, or should have its Charter revoked, the affairs of the Chapter shall be terminated immediately under the supervision of the Board of Trustees of The Society, hereinafter called The Board, and all funds or other property remaining after payment of debts and obligations of The Chapter shall be transferred to and paid to the Society.

ARTICLE II MEMBERSHIP

SECTION 1. **Classes of Membership:** The membership of the Chapter shall consist of individual, Student, Sustaining, and Retired Member classification. A Special Membership classification requiring a special or extra fee shall consist of Fellow, Honorary, Life and Distinguished Life Member.

SECTION 2. **Individual Member:** An Individual Member shall be any person

engaged in or interested in furthering the purpose of ASM international who has been elected to membership as provided for in Article II, Section 7.

SECTION 3. Sustaining Member: A Sustaining Member shall be any person, firm or corporate engaged in or interested in furthering the purpose of ASM International who has been elected to membership as provided for in Article II, Section 7. Each Sustaining Member shall designate one individual to act as the voting representative. This representative shall have all rights and privileges of an Individual Member.

SECTION 4. Student Member: A Student Member shall be any person engaged in or interested in furthering the purpose of ASM International whose principal occupation is attendance at an institution of learning as a graduate, undergraduate or cooperative student and who has been elected to membership as provided in Article II, Section 7. A Student Member shall remain eligible for this class of membership until six months, after his principal occupation ceases to be that of a student.

SECTION 5. Retired Member: A Retired Member shall be any person officially classified as retired from the occupation which they have maintained and specified as their means of full time employment.

SECTION 6. Special Membership Qualifications: Qualifications for Special Membership, consisting of Fellow, Honorary, Life and Distinguished Life, shall be as specified in the 'Rules for Government of ASM International', Materials Park, Ohio.

SECTION 7. Application and Election: Application for membership in ASM International shall be made in writing by the applicant. Such application shall be presented either to the Secretary of the Chapter or to the Managing Director at ASM International. All applications. presented to the Chapter Executive Committee shall be acted upon promptly and transmitted to the Managing Director.

SECTION B. Fees: The annual fee for all Classes of Membership shall be as specified by ASM International and the "Rules for the Government of ASM International", Materials Park, Ohio.

SECTION 9. Change in Class of General Membership: Any member who desires a change in class of general membership shall apply in writing to the Secretary of the Chapter or directly to ASM International.

SECTION 10. Change in Chapter Affiliation: A member of any class in good standing who desires to transfer affiliation from one Chapter to another Chapter shall make application. in writing to the Chapter to which he wishes to affiliate or to the Managing Director, ASM International, Materials Park, Ohio.

ARTICLE III MEETINGS OF THE CHAPTER

SECTION 1. Chapter Meetings: The annual meeting of the chapter shall be held in May of each year. The day and hour of the meeting, and the place thereof, shall be fixed by the Executive Committee. Other meetings of the Chapter shall be held periodically at such times and places as may be designated by the Executive Committee.

SECTION 2. Notice of Meetings: Written notice of each meeting of the Chapter, starting time, place and purpose of the meeting, shall be mailed at least one week before the meeting to each member of the Chapter.

SECTION 3. Voting and Representation: Each member of the Chapter, except a Student Member shall be entitled to cast one vote on all questions arising at meetings of the Chapter. A Sustaining Member, if a firm or corporation, shall designate an individual to represent it, and such individual shall be entitled to cast one vote for each firm or corporation represented by him. The application for membership of such firm or corporation shall contain the name of the individual designated to represent it, and such designation shall continue in force until another representative is designated in writing by such firm or corporation.

SECTION 4. Quorum: Twenty or more of the voting members in good standing of the Chapter shall constitute a quorum at any meeting of the Chapter at which business is transacted. The act of a majority of the voting members in attendance at any meeting at which a quorum is present shall constitute the act of the Chapter.

ARTICLE IV OFFICERS

SECTION 1. Designation: The officers of the Chapter shall consist of a Chairman, a Vice-Chairman, a Treasurer, and a Secretary.

SECTION 2. Tenure of Office: The officers shall be elected by the members of the Chapter at the April meeting of the Chapter. They shall take office until the close of the next succeeding annual meeting of the Chapter, and thereafter until their successors are elected and take office. In the event of a vacancy in the office of Chairman, the Vice-Chairman shall complete the un-expired term. In the event of a vacancy in any other elected office, the Executive Committee shall elect a successor to complete the un-expired term.

SECTION 3. Chairman: The Chairman shall preside at all meetings of the Chapter and at all meetings of the Executive Committee. The Chairman shall, in general, act as chief executive of the Chapter, subject at all times to the approval of the Executive Committee, and shall have such other powers and duties as may be prescribed by the Executive Committee.

SECTION 4. Vice-Chairman: The Vice-Chairman shall perform the duties of the Chairman in the event that the Chairman is absent or unable to act, and shall have such other powers and duties as the Executive Committee may prescribe.

SECTION 5. Treasurer: The Treasurer shall receive, hold and disburse all funds of the Chapter, and shall deposit the funds of the Chapter in such bank or banks as may be designated by the Executive Committee. The Treasurer shall make an annual report to the annual meeting of the Chapter which shall include, among other things, a detailed account of the funds received by the Chapter and sources thereof, a detailed account of the funds expended, and such other matters as the Executive Committee may require. The Treasurer shall forward a copy of such report to ASM International, Materials Park, Ohio, on or before the first day of June in each year. In addition, the Treasurer shall have such other powers and duties as the Executive Committee may prescribe. The Executive Committee of the chapter may provide a bond for any officer or member at its discretion.

SECTION 6. Secretary: The Secretary shall keep full minutes of all meetings of the Chapter and of the Executive Committee, and shall have custody of all papers and records of the Chapter. The Secretary shall keep a complete record of the members of the Chapter and their addresses, and at least twice in each year shall compare the same with the records of the National Office. The Secretary shall be responsible for forwarding a copy of the Annual Report to ASM International on or before the first day of June in each

year. The Secretary shall perform such other duties as the Executive Committee may prescribe. The Secretary or Chapter reporter shall submit a report in writing of each meeting of the Chapter as ruled by ASM International, and shall show the attendance of members and guests, the business transacted, including papers and discussions presented there and any other matters which the Chapter shall deem advisable to report.

ARTICLE V EXECUTIVE COMMITTEE

SECTION 1. Composition: The Executive Committee shall consist of the Chairman, Vice-Chairman, Treasurer, Secretary, immediate Past Chairman, and nine members at large.

SECTION 2. Tenure of Office of Elected Members: The elected members at large of the Executive Committee shall serve thereon for three years. They shall be divided into three classes. Each class insofar as possible, shall contain the same number of elected members at large as each of the other classes, and the terms of the several classes shall expire in successive years to the end that one-third of the members may be elected annually. At the April meeting of the Chapter in each year, the Chapter shall elect the successors to the members at large of the Executive Committee whose terms expire that year, excepting any member serving thereon by virtue of Article V, Section 3. The member at large so elected shall take office at the close of the annual meeting and shall hold office until the close of the annual meeting of the Chapter in the third year thereafter, and until their successors are elected and take office.

SECTION 3. Election of Additional Member or Members: If any elected member at large of the Executive Committee is elected an officer of the Chapter for a term which is concurrent with the term of his membership on the Executive Committee, the Executive Committee shall elect an additional member to serve the un-expired term in order that it at all times shall consist of 14 members.

SECTION 4. Vacancies: The Executive Committee by election shall fill any vacancy occurring in its membership. Any member elected to fill a vacancy shall complete the un-expired term of the member whom he/she succeeds.

SECTION 5. Meetings: The Executive Committee shall meet at the call of the Chairman or at the call of three members of the Executive Committee. At least three meetings of the Executive Committee shall be held during the year separate from regular Chapter meetings. The first meeting of the Executive Committee in each year shall be held not later than July 15th. A majority of the members of the Executive Committee shall constitute a quorum at any meeting of the Committee. The act of a majority of the members of the Executive Committee in attendance at any meeting at which a quorum is present shall constitute the act of the Executive Committee.

SECTION 6. Creation of Committees: The committees hereinafter named shall constitute standing committees of the Chapter. The executive Committee may create such other committees as it may deem advisable, and may determine the number of members and define the powers and duties of any committee so created. The chairman of each committee shall be appointed by the Chapter Chairman, subject to confirmation by the Executive Committee.

They shall take office immediately upon their appointment and shall hold office until the close of the next succeeding meeting of the Chapter, or for such shorter period as the Executive Committee may prescribe at the time of creating the committee. The Chairman and Secretary shall be members ex-officio of each committee.

(a) Program Committee: The Program Committee shall arrange for a suitable program, to be presented at each regular meeting of the Chapter. The Vice-Chairman shall serve as Chairman of the Committee.

(b) Entertainment Committee: The Entertainment Committee shall have charge of all other social activities of the Chapter.

(c) Membership Committee: The Membership Committee shall be responsible for all efforts to secure new members and to encourage membership growth.

(d) Educational Committee: The Educational Committee shall be in charge of all educational activities of the Chapter except the regular Chapter meetings..

(e) Budget Committee: The Budget Committee shall procure copies of the precious years' financial report and after discussion and consideration of program presented by all involved committee chairmen, shall prepare and submit to the Executive Committee a budget for the ensuing year. This proposed budget must be presented to all members of the Executive Committee prior to the commencement of the September regular meeting. The Executive Committee, after adopting the proposed budget, shall be notified of non-compliance to the budget on a monthly basis. The Budget Committee shall amend and revise the budget, if required, on a quarterly basis. The Chairman of this Committee shall be the Immediate Past Chairman of the Chapter. The Treasurer shall automatically be a member of the Committee.

(f) Arrangements Committee: The Arrangements Committee shall be responsible for providing facilities for the successful conduct of all regular meetings.

(g) Publicity Committee: The Publicity Committee shall be responsible for publicity for the Chapter and its activities, including meeting notices.

(h) Auditing Committee: The Auditing Committee shall audit the records and accounts of the Treasurer, verify the Chapter's bank balances, make a physical count of the Chapter's properties and investments., and render a report of its finding. to the annual meeting of the Chapter. No member of the Executive Committee or Budget Committee shall be a member of the Auditing Committee. The Third Past Chairman of the Chapter shall as Chairman of this Committee.

(f) MEI Committee: The MEI Committee shall be responsible for the publicity, applications, materials, classroom facilities and suitable instructor(s) for all MEI courses.

(j) Yearbook Committee: The Yearbook Committee shall be in charge of all operations necessary for the publication of the Chapter. Yearbook. The frequency of publication of the Yearbook shall be as designated by the Executive Committee.

(k) Financial Investment Committee: The Financial Investment Committee shall be in charge of investments over and above normal operating procedures . Its duty shall be to determine the optimum investments to maximize returns. A Financial Investment Chairman shall be appointed by the Chapter Chairman, subject to the approval of the Executive Committee. The Treasurer of the Indianapolis Chapter shall be automatically a member of the Investment Committee with authority to act as necessary in the best interest of the Chapter. Investment records shall be under control of the Treasurer as required for annual auditing.

SECTION 7. Additional Powers and Duties: Each of the standing and special committees of the Chapter shall be accountable to the Executive Committee. Each committee shall make such reports to the Executive Committee as may be requested of it by the Executive Committee, and such further reports as it may consider proper. The Executive Committee may define in greater detail the power and duties of any standing committee, and may confer upon any standing committee such powers and duties, in addition to those hereinabove prescribed, as it may deem advisable.

ARTICLE VI

NOMINATION AND ELECTION OF OFFICERS AND EXECUTIVE COMMITTEE MEMBERS

SECTION 1. Nominating Committee: The Nominating Committee shall consist of five members. The Second Past Chairman of the Chapter shall serve as Chairman of the Committee. The Vice-Chairman of the Chapter shall be a member of the Committee. Three additional members shall be appointed by the Nominating Committee Chairman. Any Chapter Member may be selected as a member of the Nominating Committee.

SECTION 2. Nomination: The Nominating Committee shall nominate at least one candidate for each office, and at least one candidate for each place on the Executive Committee which is to be filled by election at the April meeting of the Chapter. All nominations shall be submitted at the March meeting of the Chapter. Additional nominations for any office or place on the Executive Committee may be made from the floor, by a member in good standing, at the March meeting. Each nominee shall be a member of the Chapter in good standing and shall have consented to serve, if elected, in the position for which he/she is nominated. Any member nominated for the Office of Chapter Chairman shall have served at least one year as a Chapter Officer to be eligible for nomination. Any member nominated as other Chapter Officers shall have served at least one year on the Executive Committee of the Chapter before being eligible for such nomination.

SECTION 3. Election: If two or more nominations are made for any office or Executive Committee position, voting will be conducted by secret ballot at the annual election to be held at the April business

SECTION 4. Election by Acclamation: If not more than one person is nominated for each office, and for each place on the Executive Committee which is to be filled by election, the provisions of the preceding section shall be disregarded and the several nominees shall be elected by acclamation at the April meeting of the Chapter.

ARTICLE VII FINANCIAL MATTERS

SECTION 1. Dues: Each member of the Chapter shall pay the dues fixed by the Rules for the Government of ASM International in the manner provided therein, and at the time or times fixed by the Board of Trustees of ASM International.

SECTION 2. Compensation of Officers and Employees: The Executive Committee may authorize the payment of reasonable compensation to any officer or employees of the Chapter for services rendered to the Chapter by such officer or employee. It also may authorize the payment of reasonable expenses incurred by any officer or employee of the Chapter in the discharge of the duties of his/her office or employment.

SECTION 3. Disbursements: All checks and other instruments for the disbursement of Chapter funds shall be drawn in the name of the Chapter, and shall be

signed by any two officers.

SECTION 4. Fiscal Year: The fiscal year of the Chapter shall begin on July 1 and close on June 30.

**ARTICLE VIII
NATIONAL CONSTITUTION AND RULES FOR THE GOVERNMENT**

The Provisions, of the Constitution and Rules for the Government of ASM International are incorporated in the Rules for the Government, to the extent that they are applicable to the Chapter, and nothing contained herein shall be construed to be contrary to or inconsistent with the Constitution and Rules for the Government of ASM Intentional.

**ARTICLE IX
ADOPTION, AMENDMENT AND REPEAL**

The Rules for the Government may be adopted, and after adoption it may be amended or repealed, by the affirmative vote of a majority of the members of the Chapter present at any meeting of the Chapter which is called and conducted in accordance with the provisions contained in Article III hereof. The notice of such meeting shall clearly state that the Rules for Government is to be adopted, amended, or repealed, as the case may be. In the case of adoption, copies of the proposed Rules for the Government will be available from the Chapter Secretary on request. In the case of amendment, a copy of the proposed amendment shall be included in the meeting notice. The action of the Chapter in adopting, amending, or repealing the Rules of Government shall become effective immediately, unless the Chapter at the time of taking such action otherwise provides.

INDIVIDUAL CHAPTER MEMBERS

	Name			Affiliation	Email	Phone #
1	Mr.	Marcus	Abney	Fairfield Manufacturing	abn7@aol.com	(765) 772-4224
2	Mr.	David	Abrams	Tri Aerospace LLC	dabrams@Triaerospace.com	(812) 872-2400
3	Mr.	Nick	Adler	ALLISON TRANSMISSION INC	-----	-----
4	Ms.	Mahfuza	Ahmed	Cook Medical	ahmed.mahfuza@cookmedical.com	(800) 468-1379
5	Mr.	Lester	Alban	-----	-----	-----
6	Mr.	Mark	Alexander	ALLISON TRANSMISSION	-----	-----
7	Ms.	Alina	Alexeenko	Purdue University	alexeenk@purdue.edu	-----
8	Mr.	Carl	Allis	California Pellet Mill	allisc@cpmroskamp.com	(765) 362-2600
9	Mr.	Eric	Ambler	Electron Beam Welding Assoc	-----	(317) 637-5860
10	Mr.	Thomas	Ancich	Rolls Royce	thomas.w.ancich@rolls-royce.com	(317) 230-2969
11	Mr.	Mark	Anderson	General Motors	mark.l.anderson@gm.com	(317) 242-2597
12	Mr.	Matthew	Anderson	Cummins Emission Solutions	matt.anderson@cummins.com	(812) 377-7678
13	Mr.	Rick	Anderson-Decina	Cummins Inc	rick.j.anderson-decina@cummins.com	(812) 377-7090
14	Mr.	Dominick	Andrisani	Purdue University	andrisan@purdue.edu	-----
15	Mr.	Daniel	Antle	-----	danant45@yahoo.com	(317) 654-9998

16	Dr.	Adil	Ashary	Praxair Surface Technologies	adil_ashary@praxair.com	(317) 240-2620
17	Mr.	Ryan	Babbitt	ROLLS-ROYCE CORP.	-----	-----
18	Mr.	Robert	Bacallao	Indiana U	rbacalla@iupui.edu	(317) 278-0471
19	Mr.	Paul	Bailey	Mitchell & Scott Mach. Co.	-----	-----
20	Mr.	William	Baker	Interstate Castings	bill@iscastings.com	(317) 546-2427
21	Mr.	Frederick	Baldwin	Allison Transmission GM	fred.baldwin@allisontransmission.com	(317) 242-4528
22	Dr.	Yunusa	Balogun	Naval Surface Warfare Center	ybalogun@gmail.com	(513) 264-2063
23	Mr.	Pete	Barajas	ROLLS-ROYCE CORP.	-----	-----
24	Mr.	Moshe	Barash	Industrial Engineering	-----	(317) 497-3300
25	Mr.	John	Barclay	-----	barclay1@mindspring.com	-----
26	Mr.	Ali	Barrios	Haynes International	apbarrios@yahoo.com	(765) 456-6833
27	Mr.	Patrick	Beasley	ALLISON TRANSSION	-----	-----
28	Mr.	Paul	Becker	-----	mamasmama@aol.com	-----
29	Mr.	Robert	Behnke	-----	-----	-----
30	Mr.	Timothy	Bellish	Turbine Component Sales Inc	thbellish@aol.com	(317) 577-0340
31	Mr.	Larry	Belna	G.M. POWERTRAIN	-----	-----
32	Dr.	Vladimir	Belov	Praxair Surface Technologies	vlad_belov@praxair.com	(317) 246-2759
33	Dr.	Arden	Bement	NIST	arden.bement@nist.gov	(703) 292-8004
34	Mr.	Steve	Berenyi	Rolla Royce	steven.t.berenyi@rolls-royce.com	-----

35	Mr.	Timothy	Berg	Naval Surface Warfare Center Crane Div.	mville_bergs@comcast.net	(812) 854-4441
36	Dr.	Solomon	Berman	IBC Coating Technologies Incorporated	ibccoatings@in-motion.net	(765) 482-9805
37	Mr.	Brandon	Bernacchi	G&H Wire Company	brandon@ghwire.com	-----
38	Mr.	Allan	Bir	Mi-Tech Metals Incorporated	allan@mi-techmetals.com	(317) 346-6655
39	Mr.	Gregory	Blaisdell	Purdue University	blaisdel@purdue.edu	(317) 549-4290
40	Mr.	Thomas	Blanchard	Wellman Furnaces Inc	tablanchard@wellmanfurnaces.com	-----
41	Mr.	William	Blatz	Haynes International	-----	(317) 392-5434
42	Prof	John	Blendell	Purdue University	blendell@purdue.edu	(765) 494-0149
43	Mr.	Ronald	Block	Haynes International	rblock@haynesintl.com	(765) 456-6170
44	Mr.	Eric	Boes	Delta Faucet Company	eboes@deltafaucet.com	(317) 571-4316
45	Mr.	Paul	Bogdajewicz	Ajax TOCCO Magnethermic	pbogdajewicz@ajaxtocco.com	(317) 402-5514
46	Dr.	Ann	Bolcavage	Rolls-Royce Corporation	ann.bolcavage@rolls-royce.com	(317) 230-5228
47	Mr.	Robert	Boles	Swayne Robinson Company	-----	-----
48	Mr.	D.	Bowers	-----	-----	-----
49	Mr.	Bill	Bowman	-----	bbowman@magersci.com	-----
50	Prof	Keith	Bowman	Purdue University	kbowman@ecn.purdue.edu	(765) 494-6316
51	Mr.	Wilford	Boyland	-----	-----	(317) 230-3435

52	Mr.	Ken	Bradway	Loy Instrument, Inc.	mphillips@loy-instrument.com	(317) 356-6318
53	Mr.	William	Brafford	Tuffaloy Products, Incorporated	brafford@tuffaloy.com	-----
54	Dr.	John	Brannon	Brannon & Associates PC	john@brannonpatents.com	(317) 630-2811
55	Mr.	Michael	Brennan	Praxair Surface Technologies	michael_brennan@praxair.com	(317) 240-2329
56	Dr.	William	Brindley	Rolls Royce Corporation	william.j.brindley@rolls-royce.com	(317) 230-8908
57	Mr.	Carl	Brown	DIAMOND CHAIN CO.	-----	-----
58	Mr.	David	Brown	-----	dave_brown_2002@yahoo.co.uk	(765) 778 7809
59	Mr.	Tony	Brozan	Rolls Royce Corporation	tony.t.brozan@rolls-royce.com	(317) 709-1903
60	Mr.	Edward	Bryson	Sherry Labs	-----	-----
61	Mr.	Beau	Buente	NTK Precision Axle	bbuente@ntkaxle.com	(765) 656-1044
62	Mr.	Tyler	Bunch	Cook Medical	tyler.bunch@cookmedical.com	(812) 339-2235
63	Mr.	John	Burney	P. R. Mallory Company Inc.	-----	-----
64	Mr.	Eric	Bush	Rolls Royce	eric.l.bush@rolls-royce.com	(317) 230-2262
65	Mr.	James	Butler	Butler Components	-----	(317) 253-5143
66	Mr.	Barrett	Caldwell	Purdue University	bscaldwell@purdue.edu	-----
67	Mr.	Shelly	Caplinger-Cherry	Wellman Furnaces Inc.	scherry@cherryphotography.com	(317) 392-5475
68	Dr.	James	Carlson	Cook Incorporated	jim.carlson@cookmedical.com	(800) 468-1379
69	Mr.	Harry	Carmichael	Nonferrous Products Inc.	-----	(317) 738-2558
70	Mr.	Steven	Carr	ALFE HEAT TREATING INC.	scarr@al-fe.com	(260) 563-8321

71	Mr.	Donald	Carter	Hill & Griffith Co.	-----	-----
72	Mr.	Charles	Casey	-----	-----	-----
73	Mr.	Roger	Cash	-----	-----	-----
74	Mr.	Tim	Chaplin	Contour Hardening Inc.	tchaplin@contourhardening.com	(317) 876-1530
75	Ms.	Donna	Chastang	Harshman Middle School	dchas13@sbcglobal.net	(513) 965-0559
76	Dr.	Amit	Chatterjee	Rolls Royce Corporation	Amit.Chatterjee@rolls-royce.com	(317) 230-4435
77	Mr.	Weinong	Chen	Purdue University	wchen@purdue.edu	-----
78	Dr.	Yong-Ching	Chen	Cummins Incorporated	yong-ching.c.chen@cummins.com	(812) 377-8349
79	Mr.	Nicholas	Cherolis	Rolls Royce Corporation	cherolis@att.net	(317) 230-3069
80	Mr.	Chris	Chew	Bodycote Thermal Processing	chris.chew@bodycote.com	(513) 602-1939
81	Mr.	Raymond	Chien	Rolls Royce Corporation	raymondchien@yahoo.com	(317) 230-6737
82	Mr.	Christopher	Chlon	ALLISON TRANSMISSION, INC	-----	-----
83	Mr.	Martin	Christiansen	Haynes International Incorporated	mchristi1978@hotmail.com	(765) 456-6652
84	Mr.	Chris	Christianson	BLUEWATER THERMAL SERVICES	-----	-----
85	Mr.	Brian	Clark	Republic Engineered Products	bclark@republicengineered.com	(812) 375-0008
86	Mr.	Ross	Clodfelter	Nucor Steel Co	ross.clodfelter@nucor.com	(765) 364-1323
87	Mr.	Edward	Colvin	Alcoa	edward.colvin@alcoa.com	(765) 771-3208

88	Mr.	Delbert	Compton	-----	delbertcompton@comcast.net	-----
89	Mr.	Adrian	Conrad	RTI International Metals	aconrad@rtiintl.com	(317) 219-3191
90	Ms.	Linda	Cook	Rolls Royce	linda.cook@rolls-royce.com	(317) 230-2813
91	Mr.	Martin	Corless	Purdue University	corless@purdue.edu	-----
92	Ms.	Christine	Corum	Purdue University	corumc@purdue.edu	(765) 494-7530
93	Mr.	John	Cotner	Haynes International Corp.	jcotner@haynesintl.com	(765) 456-6268
94	Mr.	James	Coulson	Praxair Surface Technologies	james_coulson@praxair.com	(317) 240-2419
95	Mr.	David	Cox	Indiana Precision Grinding Inc	davecox@indianaprecisiongrinding.com	(317) 634-9620
96	Mr.	Ben	Crawford	Bodycote Thermal Processing	ben.crawford@bodycote.com	(317) 924-4321
97	Mr.	Richard	Crawford	-----	crawford@moneyconcepts.com	-----
98	Mr.	James	Creech	DIAMOND CHAIN CO.	-----	-----
99	Mr.	Christopher	Cremers	Rolls Royce	chris.cremers@rolls-royce.com	(317) 230-5564
100	Mr.	William	Crossley	Purdue University	crossley@purdue.edu	-----
101	Mr.	Mike	Curtis	REFRACTORY ENGINEER	-----	(317) 273-2000
102	Mr.	Brian	Dalder	Eli Lilly	bwdalder@lilly.com	(317) 655-1779
103	Mr.	Kris	Davidson	ROLLS ROYCE	-----	-----
104	Mr.	Brandon	Davis	MED Institute Incorporated	bdavis@medinst.com	(765) 463-7537
105	Mr.	Todd	Day	Thermo Transfer Inc.	renjhala@aol.com	(317) 398-3503
106	Prof	Mysore	Dayananda	Purdue University	dayanand@ecn.purdue.edu	(765) 494-4113

107	Mr.	Daniel	DeLaurentis	Purdue University	ddelaure@purdue.edu	-----
108	Mr.	Vinay	Deodeshmukh	Haynes International Incorporated	vdeodeshmukh@haynesintl.com	(765) 456-6212
109	Mr.	Sandeep	Deshpande	Intat Precision Incorporated	-----	(765) 932-5323
110	Mr.	Eric	Dill	Haynes International	edill@haynesintl.com	(765) 456-6258
111	Ms.	Deborah	Doan	Struers Incorporated	ddoan@struers.com	(765) 386-7132
112	Mr.	Matthew	Dolder	DIAMOND CHAIN	-----	-----
113	Mr.	Lane	Donoho	CMW Inc.	lhd@cmwinc.com	(317) 715-2129
114	Mr.	James	Doyle	Purdue University	jfdoyle@purdue.edu	-----
115	Mr.	Justin	Drake	Cummins Engine Co Inc	-----	-----
116	Mr.	John	Driscoll	Temco of Indiana Incorporated	jdriscoll@temcoinc.com	(317) 329-5066
117	Mr.	Robert	Duerigen	-----	rduerigen@aol.com	-----
118	Mr.	Kyle	Duffin	Med Institute Incorporated	duffin@medinst.com	(765) 463-7537
119	Mr.	R.	Dugan	Cummins Engine Company Inc	-----	(812) 378-7699
120	Mr.	Thomas	Dunn	Circle City Heat Treating, Inc.	tdunn@circlecityheattreating.com	(317) 638-2252
121	Mr.	Jeffery	Durborow	Praxair Surface Technologies	Jeffrey_durborow@praxair.com	-----
122	Mr.	Joseph	Dwyer	Rolls Royce	joc.dwyer@rolls-royce.com	(317) 230-8277
123	Ms.	Rita	Dwyer	Rolls Royce	rita.dwyer@rolls-royce.com	(317) 230-4978
124	Mr.	Gary	Eagle	LEP SPECIAL FASTENERS INC	geagle@lepinc.com	(765) 656-4330

125	Mr.	James	Eaton	BLUEWATER THERMAL SERVICES	-----	-----
126	Mr.	James	Ehlers	ROLLS-ROYCE	-----	-----
127	Mr.	Ryan	Elias	PURDUE UNIVERSITY	relics@purdue.edu	(765) 450-4503
128	Mr.	Tim	Ellsberry	TRW	tim.ellsberry@trw.com	(765) 429-1602
129	Mr.	Donald	Elzy	Allison Engine Company Inc	-----	-----
130	Mr.	Mark	Emerson	Rolls Royce Corporation	mark.s.emerson@rolls-royce.com	(317) 230-3664
131	Mr.	Pat	Ernst	ALLISON	-----	-----
132	Mr.	Robert	Evans	Midstates Wire	-----	(765) 362-2200
133	Dr.	Michael	Fahrmann	Haynes International, Inc.	mfahrmann@haynesintl.com	(765) 456-6471
134	Mr.	Sun-Drin	Fang	Haynes International Incorporated	-----	(765) 456-6000
135	Mr.	Thomas	Farris	Purdue University	farrist@purdue.edu	-----
136	Mr.	James	Faust	Conforma Clad	jim.faust@kennametal.com	(812) 981-8430
137	Mr.	Steven	Ferdon	Cummins Fuel Systems Business	Steve.e.Ferdon@cummins.com	(812) 377-4505
138	Dr.	Albert	Feuerstein	Praxair Surface Technologies	albert_feuerstein@praxair.com	(317) 240-2206
139	Mr.	David	Filmer	Purdue University	filmer@purdue.edu	-----
140	Mr.	Brad	Fix	Ryobi Die Casting USA Inc.	brad.fix@ryobi.com	(317) 421-3767

141	Mr.	David	Fleckenstein	CMW Incorporated	dfleck2@sbcglobal.net	(317) 882-6687
142	Mr.	H. Lee	Flower	Haynes International	lflower@haynesintl.com	(765) 456-6031
143	Mr.	Bill	Fohey	ROLLS ROYCE	-----	-----
144	Mr.	Michael	Foubert	Eli Lilly & Company	macmahonls@lilly.com	(317) 655-3665
145	Mr.	Steve	Fox	ALLISON TRANSMISSION, INC.	-----	-----
146	Ms.	Elizabeth	Frazee	ALLISON TRANSMISSION INC	-----	-----
147	Mr.	Arthur	Frazho	Purdue University	arthur.e.frazho.1@purdue.edu	-----
148	Mr.	Peter	Freeman	-----	pm.freeman@comcast.net	-----
149	Mr.	Glenn	Fritzlen	Haynes Intl.	gfritzlen@msn.com	-----
150	Dr.	Harold	Fukubayashi	Praxair Surface Technologies	hfconsulting@w4.dion.ne.jp	(317) 240-2506
151	Dr.	David	Furrer	Rolls-Royce Corporation	David.Furrer@Rolls-Royce.com	(317) 230-5094
152	Mr.	Jerry	Gahimer	Wellman Furnaces Inc.	jpgahimer@wellmanfurnaces.com	(317) 392-5475
153	Mr.	Raphael	Galerman	Olin Brass	Galerman	(317) 244-2461
154	Mr.	Scott	Gallagher	Panhandle Energy	Scott.M.Gallagher@SUG.com	(317) 879-3033
155	Dr.	Mary Lee	Gambone	Rolls Royce Corporation	mary.l.gambone@rolls-royce.com	(317) 230-2119
156	Mr.	Gary	Garitson	Cummins Engine Company Incorporated	gary.a.garitson@cummins.com	(812) 377-3835
157	Mr.	James	Garrison	Purdue University	jpgarriso@purdue.edu	-----
158	Mr.	Ronald	Gatte	RTI-Indiana	rgatte@indy.rr.com	-----

159	Mr.	David	Gatzke	Eli Lilly & Company	gatzke_david@lilly.com	(317) 276-7222
160	Mr.	Amiel	Gelb	-----	-----	-----
161	Mr.	Stanley	Gembolis	Steel Dynamics Incorporated	stan.gembolis@steeldynamics.com	(317) 892-7225
162	Mr.	Douglas	Gifford	Praxair Surface Technologies Incorporated	doug_gifford@praxair.com	(317) 240-2149
163	Dr.	Robert	Gillette	Gillette Spectroscopy Services	rgille6234@aol.com	(765) 452-7306
164	Mr.	Robert	Girdley	Wurth Service Suply, Inc.	rgirdley@servicesupply.com	(317) 704-8603
165	Mr.	Dennis	Glasgo	Nice Pak Products	glasgo@sbcglobal.net	-----
166	Mr.	Robert	Goetz	-----	rlg1362@aol.com	(317) 230-8323
167	Mr.	Sanjay	Gopalakrishnan	Rolls Royce	sanjay.gopalakrishnan@rolls-royce.com	(317) 230-8263
168	Mr.	Kent	Gordon	Praxair	kent_gordon@praxair.com	(317) 246-2742
169	Mr.	Jay	Gore	Purdue University	gore@purdue.edu	-----
170	Dr.	Richard	Grace	Purdue University	regrace@push.purdue.edu	(317) 494-0843
171	Prof	Alten	Grandt	Purdue University	grandt@ecn.purdue.edu	(765) 494-5141
172	Mr.	Kenneth	Green	Rolls Royce Corporation	kenneth.a.green@rolls-royce.com	(317) 230-5110
173	Mr.	Richard	Green	-----	rbgreen@ameritech.net	-----
174	Mr.	Jeffrey	Griesenauer	Rolls Royce	jeffrey.b.griesenauer@rolls-royce.com	(317) 230-6644
175	Mr.	Malcom	Griner	-----	grinerm@sbcglobal.net	-----
176	Ms.	Jennifer	Grubb	Rolls-Royce	jennifer.clevenger@alumni.rose-hulman.edu	(317) 230-6239

177	Dr.	Mark	Gruninger	Praxair Surface Technologies	mark_gruninger@praxair.com	(317) 240-2102
178	Mr.	Joseph	Guzzi	Rolls Royce	josephguzzi@rolls-royce.com	(317) 435-9605
179	Mr.	Dean	Hackett	Praxair Surface Technologies	dean_hackett@praxair.com	(317) 240-2208
180	Mr.	Kamran	Hafeez	ROLLS-ROYCE CORP.	-----	-----
181	Mr.	James	Hamer	Rolled Alloys Inc	-----	-----
182	Mr.	Mike	Hamilton	GREAT LAKES PRROCESS CONTROLS,	mhamilton@glprocess.com	(317) 773-2752
183	Dr.	Qingyou	Han	Purdue University	hanq@purdue.edu	(765) 494-5866
184	Ms.	Marja	Hanninen	Rolls Royce	marja.hanninen@rolls-royce.com	(317) 230-3811
185	Mr.	Dennis	Hansen	-----	dhansen2020@aol.com	(248) 763-6649
186	Mr.	Mark	Hanshaw	ALLISON TRANSMISSION INC	-----	-----
187	Mr.	Carl	Hardwick	CHRYSLER	-----	-----
188	Mr.	Steven	Harper	-----	scapharper@yahoo.com	-----
189	Mr.	Kyle	Hassler	Rolls Royce	-----	-----
190	Mr.	JC	Hatton	CANTON DROP FORGE	-----	-----
191	Mr.	Andrew	Havics	pH2, LLC	aahavics@ph2llc.com	(317) 718-7020
192	Mr.	Brian	Hawkins	Praxair Surface Technologies	brian_hawkins@praxair.com	(317) 240-2147
193	Mr.	Matt	Hawkins	SIKORSKY	-----	-----
194	Mr.	Russel	Heath	General Motors Corp.	-----	(317) 230-5119

195	Mr.	Stephen	Heister	Purdue University	stephen.d.heister.1@purdue.edu	-----
196	Mr.	Martin	Heller	CERAMTEC	-----	-----
197	Mr.	Randolph	Helmink	Rolls Royce Allison	randolph.c.helmink@rollsroyce.com	(317) 230-4298
198	Mr.	Jeff	Hemmer	Bodycote Thermal Processing	jeff.hemmer@bodycote-na.com	(317) 924-4321
199	Mr.	Rick	Hendrickson	ALLISON TRANSMISSION, INC.	-----	-----
200	Mr.	John	Henry	Cummins Engine Co Inc	-----	(812) 377-5081
201	Mr.	Ivan	Herbert	ROLLS-ROYCE	-----	-----
202	Dr.	James	Herchenroeder	Magnequench International	jwh@magnequench.com	(859) 734-9345
203	Mr.	Robert	Herchenroeder	-----	bob@bairngar@usanet1.net	(765) 452-5834
204	Dr.	Marvin	Herman	General Motors Corp.	-----	(317) 230-4488
205	Mr.	Frank	Hermanek	-----	fhermanek@aol.com	(317) 919-0775
206	Mr.	David	Hershberger	-----	davehersh@aol.com	(317) 535-0587
207	Mr.	Jeff	Higbie	ROLLS ROYCE CORP	-----	-----
208	Mr.	William	Hill	Praxair Surface Technologies	william_hill@praxair.com	(317) 240-2163
209	Mr.	John	Hillenbrand	BODYCOTE THERMAL PROCESSING	-----	-----
210	Mr.	Tom	Hirschinger	ALLISON TRANSMISSION	thomas.hirschinger@allisontransmission.com	(317) 242-2566
211	Mr.	Neil	Hitchman	Praxair	neil_hitchman@praxair.com	(317) 240-2670
212	Mr.	Garry	Hixson	Continental Machining Product	-----	(219) 279-2984

213	Mr.	Cho-Yen	Ho	Cindas/Purdue University	-----	(317) 494-9393
214	Dr.	Frank	Hodge	Materials Technology Institute	fgnhodge@direcway.com	(765) 453-6457
215	Mr.	Greg	Hoffman	ALLISON TRANSMISSION	-----	-----
216	Mr.	William	Hollander	Harrison Steel Castings Co Inc	hollandd@hscast.com	(765) 762-9036
217	Mr.	Kenneth	Hopper	B&H Industries Corporation	bhindustries@sbcglobal.net	(765) 794-4428
218	Ms.	Diana	Horvath	Quality Assurance Corporation	dkayhorvath@yahoo.com	(317) 481-0150
219	Mr.	Dan	Hostetler	Medtronic Sofamore Danek	danehostetler@yahoo.com	(574) 371-3436
220	Mr.	Dustin	Hostetler	Best Bolt Products	dhostetler@bestbolt.com	(317) 244-2320
221	Mr.	Gary	Howard	Howard Engineering Company	gv_howard@yahoo.com	(317) 796-0564
222	Ms.	Kathleen	Howell	Purdue University	howell@purdue.edu	-----
223	Mr.	Bryan	Hoyt	Metal Technology of Indiana Incorporated	info@metaltechcoatings.com	(765) 482-1100
224	Ms.	Ivana	Hrubud	Purdue University	ihrubud@purdue.edu	
225	Ms.	Joan	Huddleston	Praxair Thermal Spray Products	Huddleston	(317) 240-2213
226	Mr.	Jeff	Hughes	Cummins Engine	jeff.g.hughes@cummins.com	(812) 524-6641
227	Mr.	Robert	Hughes	-----	-----	-----
228	Mr.	Ryan	Humes	Rolls Royce	-----	-----
229	Mr.	Dennis	Hunley	Quality Assurance Corporation	qualitydgh@aol.com	(317) 481-0150
230	Ms.	Kathy	Hunter	Rolls Royce	kathy.k.hunter@rolls-royce.com	(317) 230-3496

231	Mr.	Liaquat	Hussain	Rolls Royce	liaquat.hussain@rolls-royce.com	(317) 230-5722
232	Mr.	Carl	Hutzler	PRAXAIR SURFACE TECH	carl-hutzler@praxair.com	(417) 513-6990
233	Mr.	Inseok	Hwang	Purdue University	ihwang@purdue.edu	-----
234	Dr.	Ronald	Iacocca	Eli Lilly & Company	rgiacocca@lilly.com	(317) 433-9386
235	Mr.	PK	Imbrie	Purdue University	imbrie@purdue.edu	-----
236	Mr.	Mike	Inderhees	ELLISON TECHNOLOGIES	Inderhees	-----
237	Mr.	Dan	Ireland	Promex Technologies, LLC	direland@usbiopsy.com	(317) 736-0128
238	Mr.	Walter	Isenberg	Caterpillar	isenberg_walter_s@cat.com	(317) 448-5669
239	Mr.	Andrei	Ivanov	Praxair, Inc.	andrew_ivanov@praxair.com	(317) 240-2494
240	Mr.	William	Jarosinski	Praxair Surface Technologies	william_jarosinski@praxair.com	(317) 240-2471
241	Mr.	Earl	Jenkins	Stellite Coatings	-----	-----
242	Mr.	Aaron	Jennings	Rolls Royce	aaron.p.jennings@rolls-royce.com	(317) 332-6178
243	Mr.	Ren	Jhala	Thermo Transfer Inc.	renjhala@aol.com	(317) 398-3503
244	Mr.	Martin	Jischke	Purdue University	mcjischke@purdue.edu	-----
245	Prof	David	Johnson	Purdue University	davidjoh@purdue.edu	(765) 494-7009
246	Mr.	Timothy	Johnson	ROLLS-ROYCE	Jim.h.johnson@rolls-royce.com	(317) 230-2964
247	Mr.	Bob	Jones	LEP Special Fasteners	jruch@lepinc.com	(765) 654-0477
248	Mr.	Norman	Jones	-----	-----	-----
249	Mr.	Patrick	Jonte	Delta Faucet Company	pbj@deltafaucet.com	(317) 848-0602

250	Mr.	Abner	Joseph	Roche Diagnostics	abner.joseph@roche.com	(317) 521-2269
251	Mr.	Roy	Justice	Technology Service Corporation	roy.justice@tsc.com	(812) 245-8017
252	Mr.	Tom	Kanaby	CPM	kanabyt@yahoo.com	(765) 362-2600
253	Mr.	Michael	Katcher	Haynes International Incorporated	mkatcher@haynesintl.com	(765) 456-6281
254	Ms.	Kim	Keafer	LEP Special Fasteners	kkeafer@lepinc.com	(765) 654-0477
255	Mr.	Bret	Kelley	Allison Transmission	bret.kelley@allisontransmission.com	(317) 242-6846
256	Mr.	Adam	Kempers	ROLLS-ROYCE CORP.	-----	-----
257	Mr.	James	Kenney	-----	jkenney50@att.com	-----
258	Mr.	Dan	Kerkhoff	-----	-----	-----
259	Ms.	Nicole	Key	Purdue University	nkey@purdue.edu	-----
260	Mr.	John	Kildsig	-----	-----	-----
261	Dr.	Seoggwan	Kim	MED Institute Inc	kim@medinst.com	(765) 463-7637
262	Dr.	Alexander	King	Purdue Univ	-----	-----
263	Mr.	Robert	King	Praxair	robert_m_king@praxair.com	(317) 240-2134
264	Mr.	Andrew C.	Kinney	Rolls-Royce Corp.	-----	-----
265	Mr.	Jeff	Kirchner	High Performance Alloys	-----	(765) 675-8871
266	Dr.	Dwaine	Klarstrom	Specialty Metals Consultancy L	dklarstrom@comcast.net	(765) 883-7852
267	Dr.	Ardy	Kleyman	Praxair Surface Technologies	ardy_Kleyman@praxair.com	(317) 240-2607

268	Mr.	David	Knox	Rolls-Royce Corp.	-----	-----
269	Mr.	Frank	Knox	-----	frankdorothyk@msn.com	-----
270	Mr.	Michael	Knox	Bishop Steering Technology Incorporated	mikek@bishopsteering.com	(317) 585-5785
271	Dr.	Klod	Kokini	Purdue University	kokini@purdue.edu	(765) 494-5349
272	Mr.	Joseph	Komenda	Jomar Enterprises Incorporated	brenkomen@aol.com	(317) 849-0716
273	Mr.	John	Konzen	Fountaintown Forge	jkonzen@fountaintownforge.com	(317) 861-5403
274	Mrs	Heather	Kopeschka	Rolls Royce Corporation	heather.m.kopeschka@rolls-royce.com	(317) 230-8760
275	Mr.	Joshua	Krieger	Cook Medical	joshua.krieger@cookmedical.com	-----
276	Dr.	Keith	Kruger	Haynes International	kkruiger@haynesintl.com	(765) 456-6098
277	Mr.	Jeff	Kuhns	Allison Transmission	-----	-----
278	Dr.	Kishor	Kulkarni	Advanced Metalworking Practices	kmkulkarni@aol.com	-----
279	Dr.	Matthew	Kush	Rolls Royce Corporation	matthew.t.kush@rolls-royce.com	(317) 230-6393
280	Mr.	Jim	Laird	-----	-----	-----
281	Dr.	Chaman	Lall	Metal Powder Products	clall@metalpoderproducts.com	(317) 571-3706
282	Mr.	Brian	Large	LEP Special Fasteners	jruch@lepinc.com	(765) 654-0477
283	Mr.	E.	Larson	Alcoa	-----	-----
284	Mr.	Jack	Laugle	Jack W Laugle	jack@innovative-castings.com	(317) 738-5966

285	Mr.	Michael	Leak	Nucor Steel Co	mike.leak@nucor.com	(765) 364-1323
286	Dr.	Kang	Lee	Rolls Royce Corporation	kang.n.lee@rolls-royce.com	(317) 230-4469
287	Dr.	Alan	Leewood	MED Institute Inc	leewood@medinst.com	(765) 463-7537
288	Mr.	Kris	Leming	REXNORD INDUSTRIES, LLC	-----	-----
289	Mr.	Shawn	Leonard	CHRYSLER GROUP	-----	-----
290	Mr.	Stephen	Lester	Permanent Magnet Castings Co.	-----	(317) 547-1336
291	Dr.	Li	Li	Praxair Surface Technologies Inc	li_li@praxair.com	(317) 240-2664
292	Mr.	Gerald	Liedl	Purdue Univ	liedl@ecn.purdue.edu	(317) 494-4100
293	Mr.	John	Lindsay	Petersen Engineering	dlindsay@pei-engineering.com	(317) 217-1701
294	Mr.	Ralph	Litz	Pyro Engineering Inc.	rlitz@webtv.net	(812) 988-4253
295	Mr.	Conan	Locke	Diamond Chain Company	clocke@diamondchain.com	(317) 613-5702
296	Ms.	Teresa	Lockhart	ROLLS-ROYCE	-----	-----
297	Mr.	Roger	Loefgren	-----	-----	-----
298	Mr.	James	Longuski	Purdue University	james.m.longuski.1@purdue.edu	-----
299	Mr.	Lee	Lopes	Rolls Royce	lee.lopes@rolls-royce.com	(317) 230-4576
300	Mr.	Marty	Losch	Haynes International Inc	mlosch@haynesintl.com	(765) 456-6052
301	Dr.	Richard	Luedemann	Cook Incorporated	rluedemann@cook-inc.com	(812) 339-2235
302	Mr.	Pierre	Luthi	Praxair Surface Technologies	Pierre_Luthi@praxair.com	-----
303	Mr.	Cecil	Lykins	Rolls Royce	brad.lykins@rolls-royce.com	(317) 230-2206

304	Mr.	Anastasios	Lyrintzis	Purdue University	lyrintzi@purdue.edu	-----
305	Mr.	Rodney	Manns	Grove Manufacturing Company	-----	-----
306	Ms.	Karen	Marais	Purdue University	kmarais@purdue.edu	-----
307	Mr.	Johnny	Mathes	LEP Special Fasteners	jruch@lepinc.com	(765) 654-0477
308	Mr.	Steven	Matthews	Haynes International Inc	smatthews@haynesintl.com	(765) 456-6233
309	Mr.	George	Maus	Daimler Chrysler	-----	(765) 854-4570
310	Mr.	Stephen	Maus	West Control Solutions	steve.maus@westinstruments.com	(317) 626-6118
311	Mr.	Raymond	Mayer	Bridgeport Brass Co	-----	(317) 244-2461
312	Mr.	Louis	Mc Bride	General Motors Corp.	-----	-----
313	Mr.	Bob	McCulley	-----	robertm914@aol.com	(765) 454-1880
314	Mr.	David	McDevitt	Olin Brass	-----	(317) 484-5621
315	Mr.	Troy	Mcgranahan	ROLLS-ROYCE	-----	-----
316	Mr.	Brian	McMasters	Rolls-Royce North America	brian.mcmasters@rolls-royce.com	(317) 230-8262
317	Dr.	Nacera	Meck	Haynes International	nsmeck@haynesintl.com	(765) 456-6262
318	Mr.	Colin	Meidell	-----	colinmeidell@gmail.com	-----
319	Ms.	Elisabeth	Meissner	Rolls Royce	elisabeth.meisner@rolls-royce.com	(317) 230-4534
320	Mr.	Jeff	Melsheimer	Cook Incorporated	jeff.melsheimer@cookmedical.com	(812) 339-2235
321	Ms.	Priscila	Mendes	CUMMINS	-----	-----
322	Mr.	James	Merk	MED Institute Incorporated	jmerk@medinst.com	(765) 463-7537

323	Mr.	Charles	Merkle	Purdue University	merkle@purdue.edu	-----
324	Mr.	Neil	Merrell	Contour Hardening Incorporated	tchaplin@contourhardening.com	(317) 876-1530
325	Mr.	Dave	Messmer	Contour Hardening Inc.	tchaplin@contourhardening.com	(317) 876-1530
326	Mr.	Lewis	Meyer	TK Engineering Associates Inc.	john.meyer@ae.ge.com	(513) 552-5638
327	Mr.	Dan	Michael	Nucor Steel	dan.michael@nucor.com	-----
328	Mr.	Tom	Mikesell	ALLISON TRANSMISSION	-----	-----
329	Mr.	Douglas	Miles	Douglas Miles & Associates	-----	(317) 842-0136
330	Ms.	Anji	Miller	PW-IAT	anjaynette.Miller@pw.utc.Com	(317) 821-2030
331	Mr.	Chad	Miller	Caterpillar Motoren GmbH	millecm@cat.com	-----
332	Mr.	Robert	Miller	Deloro Stellite	bmiller@stellite.com	(574) 534-2585
333	Mr.	Vito	Mitkus	Naval Air Warfare Center	-----	(317) 353-7019
334	Mr.	Wayne	Mizer	Loy Instrument Company	-----	(317) 356-6318
335	Mr.	Greg	Monnin	ALLISON TRANSMISSION INC	-----	-----
336	Prof	B.	Moore	Indiana University	kmoore@iupui.edu	(317) 274-5148
337	Mr.	Michael	Morgan	Emcon Technologies	michael.morgan@emcontechologies.com	(812) 341-2344
338	Prof	Issam	Mudawar	Purdue University	mudawar@ecn.purdue.edu	(765) 494-5705
339	Mr.	Michael	Muller	FANUC	-----	-----
340	Ms.	Roberta	Mullins	Cummins Incorporated	roberta.l.mullins@cummins.com	(812) 377-1490
341	Mr.	Carl	Musloff	Cummins Incorporated	carl.musloff@gmail.com	(812) 377-7662

342	Mr.	Mike	Mustin	AMERICAN SUPERABRASIVES	-----	-----
343	Mr.	Karl	Muszar	M E I Inc	kmuszar@iquest.net	(317) 842-1906
344	Mr.	Charles	Myers	-----	myersch@iquest.net	-----
345	Mr.	Harold	Myers	United Foundries Corp	-----	-----
346	Mr.	Wilbert	Nagel	ROLLS-ROYCE CORP.	-----	-----
347	Mr.	Murthy	Nemani	TRW	marty.nemani@trw.com	(765) 429-1823
348	Mr.	John	Newman	Indy Seal and Rings Manufacturing Incorporated	Indyseal@aol.com	-----
349	Mr.	Richard	Newsome	Rolls Royce	rick.w.newsome@rolls-royce.com	(317) 230-8151
350	Mr.	A.	Newson	Schwitzer Division	-----	-----
351	Mr.	Scott	Nichols	-----	escott3836@aol.com	-----
352	Dr.	Bal	Nijhawan	U N I D O Metallurgical Ind	nijhwaj@aol.com	-----
353	Mr.	Andys	Norris	ROLLS-ROYCE CORP.	-----	-----
354	Mr.	Christopher	Norris	Rolls Royce	christopher.j.norris@rolls-royce.com	(317) 230-2764
355	Ms.	Julie	Oehme	ALLISON TRANSMISSION, INC.	-----	-----
356	Mr.	Peter	Ostermeier	Praxair-Surface Technology	peter_ostermeier@praxair.com	(317) 246-2704
357	Mr.	Nathan	Ottow	Rolls Royce	nathan.w.ottow@liberty.rolls-royce.com	(317) 230-6760
358	Dr.	Viswanathan	Panchanathan	Polaris Rare Earth Materials	prempolarisrem@yahoo.com	(317) 817-0391
359	Ms.	Christine	Paszkiel	Delphi Automotive Systems	-----	(765) 451-3089

360	Mr.	Maganlal	Patel	MJP Metallurgical, Inc.	maganjp@msn.com	(812) 372-5820
361	Mr.	Larry	Paul	ThyssenKrupp VDM USA Inc	larry.paul@thyssenkrupp.com	(765) 675-9964
362	Ms.	Belinda	Pearson	TRW Automotive	belinda.pearson@trw.com	(765) 429-1851
363	Mr.	Carl	Pena	Endress and Hauser Flowtec AG, Division USA	-----	(317) 535-1335
364	Mr.	Richard	Perkins	-----	-----	-----
365	Ms.	Christine	Pflueger	Rolls Royce	christine.d.plueger@rolls-royce.com	(317) 230-8777
366	Mr.	Michael	Pierce	Rolls Royce	michael.k.pierce@rolls-royce.com	(317) 230-3444
367	Dr.	Lee	Pike	Haynes International Inc	lpike@haynesintl.com	(765) 456-6208
368	Mr.	R Byron	Pipes	Purdue University	bpipes@purdue.edu	-----
369	Mr.	James	Placke	Rolls Royce	james.e.placke@rolls-royce.com	(317) 230-3418
370	Dr.	Jeffrey	Platt	Indiana University	jplatt2@iupui.edu	(317) 274-7229
371	Mr.	Rick	Platt	ALLISON TRANSMISSION, INC.	-----	-----
372	Mr.	Pat	Poer	AIRGAS	patrick.poer@us.linde-gas.com	(812) 525-8977
373	Mr.	Romothee	Pourpoint	Purdue University	timothee@purdue.edu	-----
374	Mr.	Timothy	Pruitt	Rolls Royce Allison	timothy.j.pruitt@rolls-royce.com	(317) 230-3728
375	Mr.	Li	Qiao	Purdue University	lqiao@purdue.edu	-----
376	Mr.	Tom	Quigley	Princeton One	thomas.quigley@princetonone.com	(317) 257-5411
377	Mr.	Raymond	Quiroz	Kamic Corporation	rquiroz@kamiccorp.com	(812) 342-8000

378	Mr.	Karthik	Ramani	Purdue Univ	-----	(317) 494-5725
379	Mr.	Roy	Rapp	Twigg Aerospace Corporation	-----	(765) 342-7126
380	Mr.	Charles	Reeves	Woodard, Emhardt, Moriarty, McNett & Henry LLP	creeves@uspatent.com	(317) 634-3456
381	Mr.	Robert	Ress	Rolls Royce North American Technologies	bob.ress@liberty.rolls-royce.com	(317) 230-3928
382	Mr.	Jeffrey	Reynolds	ROLLS-ROYCE	-----	-----
383	Mr.	Doug	Rich	ALLISON TRANSMISSION	-----	-----
384	Mr.	Mark	Richeson	Haynes International Inc	mricheson@haynesintl.com	(765) 456-6258
385	Mr.	Timothy C	Riley	-----	riley.timothy@remyinc.com	-----
386	Ms.	Julie	Robbins	CUMMINS, INC.	julie.l.robbins@cummins.com	(812) 377-3960
387	Mr.	William	Robertson	The Anderson's	Robertson	(219) 626-2522
388	Ms.	Donna	Robinson	WF Meyers	donna.robinson@insightbb.com	(812) 275-4485
389	Mr.	William	Rodger	ROLLS-ROYCE	-----	-----
390	Mr.	Francis	Rodriguez	HTI Heat Treat Specialists	chirod@callhti.com	(574) 722-2814
391	Mr.	Thomas	Rossell	La Salle Steel Co	-----	-----
392	Mr.	Michael	Rothman	Haynes International Inc	mrothman@aol.com	-----
393	Mr.	Dolan	Ruggles	Nucor Steel - Indiana	dj.ruggles@nucor.com	(765) 364-1323
394	Mr.	Brian	Rummel	CUMMINS	-----	-----

395	Mr.	John	Rusek	Purdue University	rusek@purdue.edu	-----
396	Mr.	Jeffery	Russo	Haynes International Incorporated	jrusso@haynesintl.com	(765) 456-6029
397	Mr.	Kenneth	Ryan	Allison Engine Co	mrkenryan@comcast.net	(317) 230-3211
398	Mr.	Duane	Sailors	Logan Stampings Inc	d.sailors@loganstampings.com	(574) 722-3101
399	Mr.	Bob	Salisbury	Omega Micro Technologies, Inc	rsalisbury@omegamicrotech.com	(765) 775-1011
400	Mr.	Tim	Sanders	Loy Instrument Company	tsanders@loy-instrument.com	(317) 356-6318
401	Mr.	Howard	Savage	-----	-----	-----
402	Mr.	James	Schluckbier	-----	jcbier@iquest.com	-----
403	Mr.	Derek	Schmitt	CHRYSLER LLC	-----	-----
404	Mr.	Steven	Schneider	Purdue University	steves@purdue.edu	-----
405	Mr.	Douglas	Schwerin	Rolls Royce	douglas.m.schwerin@rolls-royce.com	(317) 230-8131
406	Mr.	Wayne	Seagren	Mi-Tech Metals Incorporated	-----	(317) 549-4290
407	Mr.	Craig	Sederholm	Rochester Metal Products Corporation	csederholm@rochestermetals.com	(514) 223-3164
408	Mr.	W.	Shafer	Cindas/Purdue University	-----	-----
409	Ms.	Carrie	Sharkey	Rolls Royce	carrie.sharkey@rolls-royce.com	(317) 230-5567
410	Mr.	Tim	Sheridan	ROLLS-ROYCE CORP.	-----	-----
411	Mr.	Jeremy	Shifflett	OERLIKON GRAZIANO	-----	-----

412	Dr.	Sungbo	Shim	Rolls Royce Corporation	sungbo.shim@rolls-royce.com	(317) 230-8782
413	Dr.	Tetyana	Shmyreva	Praxair Surface Technologies	tetyana_shmyreva@praxair.com	(317) 240-2376
414	Mr.	George	Shubat	Diamond Chain Company	-----	-----
415	Mr.	Kay	Shupe	-----	-----	-----
416	Mr.	Murray	Siegel	-----	-----	-----
417	Mr.	Raymond	Sinatra	Rolls Royce Corporation	raymond.j.sinatra@rolls-royce.com	(317) 230-5152
418	Mr.	Jeffrey	Sipf	Haynes International	jsipf@haynesintl.com	(765) 456-6622
419	Mr.	G.	Sippel	-----	-----	-----
420	Mr.	Joe	Sliger	ALLISON	-----	-----
421	Mr.	Clayton	Smith	Rolls Royce	clayton.smith@rolls-royce.com	(317) 230-3936
422	Mr.	Freddy	Smith	-----	-----	-----
423	Mr.	Marv	Snider	ALLISON TRANSMISSION	-----	-----
424	Mr.	Steven	Sonin	Purdue University	sson@purdue.edu	-----
425	Mr.	Gary	Spencer	ALLISON TRANSMISSION	-----	-----
426	Dr.	Krishna	Srivastava	Haynes International Inc	ksrivastava@haynesintl.com	(765) 456-6210
427	Mr.	Randall	Stafford	Cummins Incorporated	randy.j.stafford@cummins.com	(812) 377-3279
428	Mr.	Ralph	Stahl	Stahl Engineering Company Incorporated	stahlengineering@yahoo.com	(317) 923-5054
429	Mr.	Ross	Stahl	Mi-Tech Metals Incorporated	rstahl@mi-techmetals.com	(317) 549-4290

430	Mr.	Dave	Stanton	AFC-HOLCROFT	-----	(248) 268-4040
431	Mr.	David	Stanton	Heat Treat Specialists	htspecialists@gmail.com	(317) 289-4131
432	Mr.	Gordon	Starr	-----	gstarr@iquest.net	-----
433	Mr.	Anthony	Stavros	-----	-----	-----
434	Mr.	Allen	Stebnicki	-----	-----	-----
435	Mr.	Brian	Steinkamp	Contour Hardening Inc.	tchaplin@contourhardening.com	(317) 876-1530
436	Mr.	Max	Stewart	Contour Hardening Inc.	tchaplin@contourhardening.com	(317) 876-1530
437	Ms.	E. Laura	Stocker	Rolls-Royce Corporation	elstocker@comcast.net	(317) 230-4516
438	Mr.	Danny	Storm	Contour Hardening Inc.	tchaplin@contourhardening.com	(317) 876-1530
439	Mr.	John	Storm	Contour Hardening Inc.	tchaplin@contourhardening.com	(317) 876-1530
440	Mr.	Roy	Stout	Mitchel & Scott Machine Co Inc	roystout@hotmail.com	(317) 684-8234
441	Mr.	Robert	Stusrud	Allison Engine Co	Robert.w.Stusrud@allison.com	(317) 230-3768
442	Mr.	John	Sullivan	Purdue University	john.p.sullivan.1@purdue.edu	-----
443	Mr.	Chin-The	Sun	Purdue University	sun@purdue.edu	-----
444	Mr.	Dengfeng	Sun	Purdue University	dsun@purdue.edu	-----
445	Mr.	Keith	Susko	Exotic Metal Treating Inc	ksusko@exoticmetaltreating.com	(317) 784-8565
446	Dr.	M.	Sutherland	Indiana Testing Labs	Sutherland	-----
447	Mr.	Tim	Sutter	Arvin Sango Incorporated	timsutter@hotmail.com	-----

448	Mr.	Cecil	Taylor	CMW	cat@cmwinc.com	(317) 634-8884
449	Mr.	James	Taylor	Rolls Royce	james.taylor@rolls-royce.com	(317) 230-8184
450	Dr.	Thomas	Taylor	Praxair Surface Technologies	-----	-----
451	Mr.	David	Tays	Hi Temp Incorporated	dtays@gibraltar1.com	(812) 663-4114
452	Mr.	Charles	Thomas	Nitrex Incorporated	chuck.thomas@nitrex.com	(317) 346-7700
453	Dr.	Malcolm	Thomas	Rolls Royce Corporation	malcolm.c.thomas@rolls-royce.com	(317) 230-4624
454	Mr.	Ronald	Thomas	Rolls Royce	-----	(972) 690-8865
455	Mr.	Patrick	Tillman	-----	ptillman1@gmail.com	-----
456	Mr.	Denny	Tindall	Contour Hardening Inc.	tchaplin@contourhardening.com	(317) 876-1530
457	Prof	Rodney	Trice	Purdue University	rtrice@purdue.edu	(765) 494-5149
458	Mr.	William	Trowsell	-----	-----	-----
459	Mr.	Mike	Trueblood	CUMMINS	-----	-----
460	Prof	Kevin	Trumble	Purdue University	driscol@ecn.purdue.edu	(765) 494-4114
461	Mr.	Thomas	Tsareff	-----	Ttsareff@aol.com	-----
462	Ms.	Mary Ann	Tucker	The Tucker Group LLC	rctucker@aol.com	-----
463	Dr.	Robert	Tucker	The Tucker Group LLC	rctucker@aol.com	(813) 991-9921
464	Mr.	Glenn	Tuffnell	-----	gtuffnj@aol.com	-----
465	Mr.	Robert	Udell	-----	-----	(317) 849-4102
466	Mr.	Bruce	Underwood	SHERRY LABS	bruce.underwood@sherrylabs.com	-----

467	Mr.	Maurice	VandenBergh	VandenBergh and Associates	mo_VandenBergh@earthlink.net	(317) 718-8403
468	Mr.	B. Cotter	Vaughn	Nav. Avionics Ctr.	-----	(317) 823-4714
469	Mr.	Nancy	Vesely	Mi Tech Metals	nvesely@mi-techmetals.com	(317) 549-4290
470	Mr.	Urmi	Vidyarathi	Cook Incorporated	urmi.vidyarathi@cookmedical.com	(812) 339-2235
471	Mr.	Gary	Voiles	DIAMOND CHAIN CO.	-----	-----
472	Mr.	Brian	Wade	CHRYSLER	-----	-----
473	Mr.	Richard	Wagner	TechniHeat Engineering Co Inc	-----	(317) 432-6074
474	Dr.	Ron	Walling	Cummins Incorporated	ron.p.walling@cummins.com	(812) 377-4774
475	Dr.	Robert	Walson	Walson & Co Inc	rwalson@sbcglobal.net	(317) 251-9157
476	Dr.	Daming	Wang	Praxair	daming_wang@praxair.com	(317) 240-2586
477	Mr.	Joseph	Ward	Indianapolis Casting Corporation	josephward@hotmail.com	(317) 352-4784
478	Mr.	Richard	Warns	CHRYSLER LLC	-----	-----
479	Mr.	Sean	Warrenburg	Rolls Royce	sean.warrenburg@rolls-royce.com	(317) 230-8950
480	Dr.	James	Watson	NUCOR Steel	we4watsons@sbcglobal.net	(765) 364-1323
481	Mr.	L.	Webber	Ertel Manufacturing Corp.	-----	(317) 636-3531
482	Mr.	Carl	Weber	Lindberg	stahlengineering@yahoo.com	(317) 924-1313
483	Ms.	Helen	Wechsler	-----	-----	-----
484	Mr.	Terrence	Weisshaar	Purdue University	weisshaar@purdue.edu	-----
485	Mr.	Sean	Weist	Weist Technology Corporation	-----	(317) 222-1504

486	Mr.	E.	Wene	-----	-----	-----
487	Ms.	Faith	Wenschhof	-----	dewenschhof@yahoo.com	-----
488	Dr.	Henry	White	Haynes International	hwhite@haynesintl.com	(765) 456-6207
489	Mr.	Richard	Wiegand	Major Tool and Machine, Inc.	rwiegand@majortool.com	(317) 917-2607
490	Ms.	Ann	Wilkerson	ALLISON TRANSMISSION	-----	-----
491	Mr.	Alan	Williams	Tube Processing Corporation	awilliam@aerofab.com	-----
492	Mr.	Demetrius	Wilson	Rolls Royce	demetrius.i.wilson@rolls-royce.com	(317) 230-8140
493	Mr.	Jim	Wilson	Raytheon Technical Services	james_w_wilson@raytheon.com	(317) 306-7714
494	Mr.	Darrell	Wisner	Duke Energy Corporation	-----	(317) 838-6926
495	Mr.	Paul	Wlodarczyk	Knauf Insulation	paul.wlodarczyk@knaufinsulation.com	(317) 398-4434
496	Mr.	James	Woodruff	Talon Test Laboratories	webmaster@asm-indy.org	(317) 273-0633
497	Mr.	Nathan	Wright	Tru-Cal Incorporated	natewright@tru-cal.com	(317) 402-0021
498	Dr.	Guocai	Wu	Sirkorsky Aircraft	guocai.wu@sikorsky.com	(203) 383-8061
499	Mr.	Rensen	Wu	Hayes International Corporation	rwu@haynesintl.com	(765) 456-6850
500	Dr.	Ray	Xu	Rolls-Royce	ray.xu@rolls-royce.com	(317) 230-3203
501	Dr.	Shuo	Yang	MED Institute, Inc	yang@medinst.com	(765) 464-0817
502	Mr.	Les	Yocum	Alcoa	les.yocum@alcoa.com	(765) 426-1162
503	Mr.	Noble	York	Metallurgical Consultants	-----	(317) 271-8175
504	Mr.	Harvey	Zhang	CUMMINS	-----	-----

505	Mr.	Tom	Zhang	-----	tomzhang@rocketmail.com	-----
506	Dr.	Richard	Zordan	-----	rzordan@earthlink.net	-----

Bold- deceased

----- if you wish to make changes to your affiliation, email address or phone number, please contact asm-indy@gmail.com

SUSTAINING MEMBERS

Biddle Precision Components

701 South Main Street Sheridan, IN
46069-1340
(317) 758-4451

Circle City Heat Treating, Inc.

Mr. Thomas J. Dunn
tdunn@circlecityheattreating.com
2243 Massachusetts Ave Indianapolis,
IN 46218-4341
(317) 638-2252

Cummins, Inc.

Dr. Yong Ching Chen
yong-ching.c.chen@cummins.com
2402 Broadmoor Ln Columbus, IN
47203
(812) 377-8349

Electron Beam Welding Assoc

1556 Deloss Street Indianapolis, IN
46201-3904
(317) 637-5860

Loy Instrument Company

Mr. Tim D. Sanders
tsanders@loy-instrument.com
8455 E 30th St Indianapolis, IN 46219
(317) 356-6318

Olin Brass

Mr. David D. McDevitt
1510 Lincoln Knolls Dr Edwardsville,
IL 62025-4119
(317) 484-5621

Stahl Engineering Company Incorporated

Mr. Bob Rodewald
stahlengineering@yahoo.com
1800 N Meridian St #600 Indianapolis,
IN 46202-1411
(317) 923-5054

Twigg Aerospace Corporation

Mr. Roy Rapp
659 East York Street Martinsville, IN
46151-2549
(765) 342-7126

Our Advertisers

See What the Finest Products Can Do For Your Laboratory

Sample Preparation Equipment

Metallographs



Hardness Testers



For more information, free literature,
or met-tips, contact your local
LECO Representative.

NEAL SHAW
877-877-4377
Ext. 5586

Elemental Analysis



OES



C, S, N, O, H

Accessories and Supplies



LECO Corporation
3000 Lakeview Avenue • St. Joseph, MI 49085-2396
Phone: 800-292-6141 • Fax: 269-982-8977
info@leco.com • www.leco.com • ISO-9001 • No. FM 24045
LECO is a registered trademark of LECO Corporation.

- **Met Supplies Catalog**
(form no. 203-826)
- **Inorganic Supplies Catalog**
(form no. 203-959)

Our Advertisers



SMA Systems, Inc.
Industrial Heat Processing Equipment

Tel: (317) 984-4433
Fax: (317) 984-4477
EM: theiden@smasystems.biz

*Specializing in Energy
Reduction Solutions*
www.smasystems.biz

Proudly Representing:
Eclipse, Inc.
Exothermics
INEX, Inc.
RKC Instrument
Siemens Combustion Controls
Waukee Engineering

High Performance Alloys, Inc.
444 Wilson Street, P.O. Box 40
Tipton, IN 46072

*Serving the needs of industry
with nickel and cobalt based
alloys since 1994!*



www.HPAlloy.com

Phone: (800) 472-5569 "HPALLOY" (765) 675-8871 Fax: (765) 675-7051
JEFF KIRCHNER, Sales & Mktg. Manager • Jeff@HPAlloy.com

**MONEL® HAYNES® STELLITE® INCONEL® NITRONIC® HASTELLOY®
BAR SHEET PLATE SPECIALS FASTENERS**