

# **HONOR SEMINARS**

**of  
Metropolitan  
Dayton**

**2008 – 2009  
Forty Seventh  
Annual Report**

***Honor Seminars  
of  
Metropolitan Dayton, Inc.***

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Annual Report***

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Honor Seminars of Metropolitan Dayton, Inc.  
140 East Monument Avenue

Dayton, OH 45402

## ***FOREWORD***

The Honor Seminars of Metropolitan Dayton was organized in 1962 as a non-profit corporation having as its goal the function of providing for outstanding area high school students the opportunity to learn from and interact with highly qualified professional people from the greater Dayton area. To accomplish this goal, two separate seminar programs are established each year for selected juniors and seniors as an extracurricular activity. Effective use of the community resources is thereby utilized to develop the student who has demonstrated the desire and ability for high achievement. These seminars have been directed toward the understanding and appreciation of advances in modern sciences, technologies, and the humanities. They are meant to provide enrichment to the students' background, to aid in the development of independent thinking and the stimulation of individual creativity, and to lend assistance in defining personal career objectives. This annual report represents completion of 47 years of service to the community.

In 1973, the Honor Seminars of Metropolitan Dayton, Inc. joined the Affiliate Societies Council (ASC) of Dayton to provide Honor Seminars with a permanent headquarters address. ASC is an independent, tax-exempt, 501c3 organization.

Seminar programs in recent years have been directed toward increased participation of the students and have emphasized discussions of the topics with seminar leaders. This mode of operation has helped to make the contents of the seminars meaningful to the students and to satisfy their intellectual curiosities. Some of the seminars are conducted within the working environments of the individual seminar leaders, permitting them to use a variety of demonstration materials pertinent to their profession and permitting the students to acquire deeper insights into the functions performed by these professionals in today's society. Honor Seminars is an educational program established in the spirit of voluntary participation. All operations of the program are conducted without compensation or honoraria for the service of the individuals. The continued success of the Honor Seminars program is the direct result of the strength of the seminar leaders who constitute the faculty and the foresight of the officers and

members of the Board of Directors. These professional individuals give gladly of their time and efforts to bring their knowledge and experience in a wide variety of fields. Their individual contributions are pointed out in this annual report of the activities for 2008-2009.

Students of exceptional ability and promise are selected on an impartial basis from the public and private schools of the greater Dayton metropolitan area. The Principals and Counselors of these schools prior to the student's junior year provide nominations of candidates. Also qualified students may self nominate through a process identified on the HSMD website <http://www.wright.edu/~dan.voss/hsmd/>. An experienced Admissions Committee determines the selection of students from those nominations. Those students who displayed and maintained through their weekly attendance the very highest level of interest, initiative, talent, and scholarly activity are listed in this report of activities.

This year, as in the past, the program for the junior students was directed toward the basic sciences and mathematics in preparation for the senior program. Building on the junior year base, the senior program involves more applications technology and provides the senior students with opportunities to gain insight into work being performed at the leading edge of scientific endeavor.

The Honor Seminars of Metropolitan Dayton, Inc., serves a unique and fundamental need for the Montgomery-Greene-Miami County community. The cooperation and backing of the companies and institutions with which the seminar leaders and board members are affiliated have been substantial. The generous financial support, in this community, provided by the many supporters (listed at the end of the report) is appreciated and indicative of their desire to maintain this exceptional opportunity for our outstanding high school students. The Dayton Area Chamber of Commerce recognizes The Honor Seminars of Metropolitan Dayton, Inc., as an ongoing benefit to the community which merits contributory support from sponsoring organizations.

**Senior Participants 2008 – 2009**

**Alter High School**

**Casey Miller** 5990 Munger Road  
Dayton 45459

**Cameron Smith** 1135 Ridgeway Road  
Dayton 45419

**Bellbrook High School**

**Kevin Scherer** 510 Silvercrest Terrace  
Dayton 45440

**Julia Woodruff** 2029 N Sheffield Drive  
Bellbrook 45305

**Brookville**

**Alex Ewers** 421 S Wolfcreek Pike  
Brookville 45309

**Centerville High School**

**Sean Behm** 6360 Luntshire Court  
Centerville 45459

**Chaminade-Julienne High School**

**Sarah Krug** 410 Allenhurst Avenue  
Vandalia 45377

**Greeneview High School**

**Evan Muller** 5082 Spahr  
Jamestown 45335

**Miamisburg High School**

**Michael Fontaine** 9714 Pellston Way  
Miamisburg 45342

**Nathan Hoagland** 1807 Lord Fitzwalter Drive  
Miamisburg 45342

**Oakwood High School**

**Claire Roess** 140 Patterson Road  
Dayton 45419

**Lauren Sobol** 130 Wisteria Drive

Dayton 45419

**Stebbins High School**

**Lee Christophers**

3825 Berrywood Drive  
Dayton 45424

**Valley View High School**

**Michael Boyd**

12334 Havermale Road  
Farmersville 45325

**Vandalia Butler High School**

**Jessica Blaza**

7045 Meeker Commons Lane  
Dayton 45414

**Xenia High School**

**J. Chika Morah**

1384 Regency Dr. N.  
Xenia 45385

**Yellow Springs High School**

**Ben Miller-Jacobson**

1117 Livermore Street  
Yellow Springs 45387

## **Seminars of the Senior Participants**

<b>Dr. James R. Gord</b> AFRL-Propulsion Directorate	<b><i>Better Propulsion through Light</i></b>
<b>Dr. Peter Torvik</b> AFIT, Retired	<b><i>Disasters in Engineering</i></b>
<b>Mr. David Hime</b> AFRL	<b><i>How I benefited from HSMD</i></b>
<b>Mr. Bryan Suddith</b> Kids Vote	<b><i>Democracy and youth responsibilities</i></b>
<b>Ms. Cherie Adams</b> Boonshoft Museum	<b><i>The Explorer</i></b>
<b>Dr. Mary White</b> WSU-Medical School	<b><i>Medicine and Engineering</i></b>
<b>Judge Walter Rice</b> US Courts	<b><i>Justice in broad terms</i></b>
<b>Prof. Maher Amer</b> WSU-Engineering	<b><i>Atoms: the building Blocks of the Universe</i></b>
<b>Prof. Maher Amer</b> WSU-Engineering	<b><i>10 Lectures to understand the World of Materials</i></b>

**Junior Participants 2008 – 2009**

**Archbishop Alter High School**

<b>Alexander W. Cattran</b>	853 Lincoln Woods Ct Kettering 45429
<b>Jacob S. Schreck</b>	5641 King Arthur Dr Centerville 45429
<b>Jennifer E. Shal</b>	1222 Ravelle Ct Bellbrook 45305

**Beavercreek High School**

<b>Nandini K. Srinivasan</b>	314 Hampton Pl Xenia 45385
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**Bellbrook High School**

<b>Kaitlin S. Bernard</b>	1176 Little Sugarcreek Rd Dayton 45440
<b>Andrew R. Ritzel</b>	4014 Locus Bend Dr Dayton 45440

**Brookville High School**

<b>Hannah R. King</b>	24 N. Hill St Brookville 45309
<b>Leah A. Shurte</b>	7719 Number Nine Rd Brookville 45309

**Carroll High School**

<b>Erin N. Baldwin</b>	1156 Oakdale Ave Dayton 45420
<b>Timothy B. Corcoran</b>	2166 Pine Knott Beavercreek 45431
<b>Lauren A. Dull</b>	538 Viking Landing Ct Beavercreek 45434
<b>Kay E. McArdle</b>	1788 Grand Portage Trail Xenia 45385
<b>Dianne M. Minardi</b>	3752 Silverleaf Ct Beavercreek 45430

**Centerville High School**

**Kayla N. Bruggeman**

9311 Leafy Hollow Ct  
Dayton 45458

**Michael R. Glynn**

6642 Imperial Woods Rd  
Dayton 45459

**Kunal B. Karani**

10701 Willowbrook Rd  
Centerville 45458

**Kettering-Fairmont High School**

**Maryann K. Bennett**

2371 Rockwell Ct  
Kettering 45420

**Northmont High School**

**Carly A. Pike**

4658 Rathburn Dr  
Englewood 45322

**Oakwood High School**

**Catherine G. Clemmens**

1304 Hathaway Rd  
Dayton 45419

**Tiffany N. Corbean**

25 Oakwood Ave  
Dayton 45419

**Erin K. Golden**

150 Hadley Ave  
Dayton 45419

**Hilary E. Paisley**

188 Lookout Dr  
Dayton 45419

**William H. Reese**

219 East Dr  
Dayton 45419

**Stebbins High School**

**Robert W. Christoffers**

3825 Berrywood Dr  
Dayton 45424

**Rachel A. Feltner**

602 Bueno Ct Apt. A  
Dayton 45431

**Vandalia-Butler High School**

**Stephany R. Roberts**

504 Goldleaf Ave  
Vandalia 45377

**West Carrollton High School**

**Christopher M. Boyd**

1110 Mayrose Dr  
West Carrollton 45449

***Sydney M. Coy***

***Hannah E. Fournier***

3407 Alex-Bell Rd  
West Carrollton 45449

6330 Karlsridge Dr  
Dayton 45459

## **Seminars of the Junior Participants**

<b>Dr. Steven Fiorino, Lt Col, USAF</b> Air Force Institute of Technology	<b><i>Climate Change</i></b>
<b>Mr. Dan Bibby</b> Miami Valley Regional Crime Lab, retired	<b><i>Forensic Science</i></b>
<b>Dr. Larry Dosser</b> Mound Laser and Photonic Center	<b><i>Laser Material Processing</i></b>
<b>Judge Steve Wolaver</b> Greene County Common Pleas Court	<b><i>Criminal Justice System</i></b>
<b>Gov Bob Taft</b> University of Dayton	<b><i>Politics</i></b>
<b>Dr Ken Wright</b> Beta Lasermike	<b><i>High Tech Manufacturing</i></b>
<b>Dr Ryan Thomas, Capt, USAF</b> Air Force Institute of Technology	<b><i>Cyber</i></b>
<b>Dr. Peter Torvik</b> Air Force Institute of Technology, retired	<b><i>Engineering Disasters</i></b>
<b>Ms. Cheri Adams</b> Boonshoft Museum of Discovery	<b><i>Celestial Navigation</i></b>
<b>Dr. Mike Eismann</b> Air Force Research Laboratory	<b><i>Spectral Remote Sensing</i></b>
<b>Mr James Ambrose</b> James T. Ambrose LLC	<b><i>The Making of Trial Lawyer</i></b>
<b>Dr. William Wiesel</b> Air Force Institute of Technology	<b><i>Space Travel</i></b>

**Dr. Rubin Battino**

Wright State University

*Thermodynamics*

**Maestro Neal Gittleman**

Dayton Philharmonic

*Behind the Scenes at DPO*

**Dr. Doug Dudis**

Air Force Research Laboratory

*Energy Options and the  
Future: Plenty of  
Sunshine*

**Dr. Peter Raeth**

Ball Aerospace

*Computer Science*

**Dr Donald Geiger**

University of Dayton

*Science of World Food  
Supply*

**Dr Raghu Srinivasan**

Wright State University

*Material Science*

**Dr Brad Liebst**

Air Force Institute of Technology

*History of Flight*

**Mr. Dean Christolear**

Norwood Medical

*Design of Experiments*

## **BOARD OF DIRECTORS**

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### **Committee Chairmen**

Col. (Retired) Zdzislaw H. Lewantowicz Georgia Tech Research Institute – Dayton	Nominations
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Dr. Daniel Voss Wright State University	Orientation
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## **Members**

<b>Mr. Clark Beck</b>	<b><i>Wright State U. (Ret), CEPEC Associates</i></b>
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<b>Dr. Stephen W. Schneider</b>	<b><i>AF Research Laboratory, Sensors Dir.</i></b>
<b>Dr. Kenneth L. Schepler</b>	<b><i>AF Research Laboratory, Sensors Dir.</i></b>
<b>Ms. Lola Turner Signom</b>	<b><i>NCR Corporation</i></b>
<b>Dr. Violet R. Strahler</b>	<b><i>Dayton Public Schools (Ret), U. of Dayton</i></b>
<b>Dr. Peter J. Torvik</b>	<b><i>AF Institute of Technology (Prof. Emeritus)</i></b>
<b>Mr. Richard Wells</b>	<b><i>Delphi Chassis Systems</i></b>
<b>Dr. P. Kelly Williams</b>	<b><i>University of Dayton</i></b>

## **Board Members Emeriti**

<b>Dr. J. Donald Hastings</b>	<b><i>E.G. &amp; G. Mound Applied Technology (Ret)</i></b>
<b>Mr. Ambrose B. Nutt</b>	<b><i>Wilberforce U., U. of Dayton (Ret)</i></b>
<b>Mr. R. Max Peterson</b>	<b><i>Attitude/Motivational Consultants</i></b>

## **CONTRIBUTORS**

Companies and individuals throughout the Greater Dayton Area provide generous support to the Honor Seminars of Metropolitan Dayton, Incorporated. Following is a list of those donors, who have given their permission to be listed in this report, many have donated anonymously.

**Mr. and Mrs. Brad Baldwin**  
**Mr. and Mrs. Lawrence Bernard**  
**Patricia Brechlin**  
**Mr. & Mrs. Doug Bruggeman**  
**Mr. and Mrs. Christoffers**  
**Mr. and Mrs. William B. Clemmens**  
**Mr. and Mrs. Thomas Corcoran**  
**Mr. Dan and Dr. Cindy Dull**  
**James K. and Janice M. Glynn**  
**Zdzislaw H. Lewantowicz**  
**Mr. and Mrs. Michael J. McArdle**  
**Dr. Michael J. and Mrs. Lauren S. Minardi**  
**The Paisley Family**  
**Root Equipment (Dr Matthew Kabrisky)**  
**Dr, Som & Gita Soni**



*The ancient Greek art in our corporate logo is known as the "Lamp of Knowledge" which is symbolic of the major goal of Honor Seminars. It represents the academic achievement and dedication of self-improvement through life long learning. Thus, it is appropriate to encompass this art within our corporate logo.*

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