

James C. Hobbs II



Education:

1937 Graduate of Thomas W. Harvey High School

Member of Football, Track, and Wrestling Teams

Member of Point and Merit Board, Astronomy Club, Study Hall Committee, and Varsity H Club

President of Harvey Club

Member of Debate Team

1938 Graduate of Mercersburg Academy: Scientific Studies

1941 Graduate of Purdue University: Mechanical Engineering

Lincoln Electric Company: Welding Engineering

Babcock Wilcox Company: Electric Arc Welding

Professional Experiences in Engineering:

Worked on weapon systems during World War II that involved torpedo net defenses and making the 75mm Howitzer available for mountainous use. He also developed a technique to fabricate valves and process piping for the Manhattan Project.

Development of medical equipment (heart-lung pumps, oxygenators) for blood processing and open-heart surgery.

Engineer member of one of the first five open-heart surgical teams in the United States.

Developed first controlled rate/volume angiographic injector for heart examinations.

Developed, manufactured, and marketed the world standard Lymph Injector for the detection of cancer

Inventor/Patentee:

Has over 35 patents as either sole or joint inventor including:

Angiographic injector that is widely used for heart catheterization procedures

Cyclotron produced isotopes for the detection of tumors

High efficiency solar water heater panels

Non-injurious system for crowd control

Single source light system for illumination and occupancy control

Civic Leader:

Piedmont College:

Trustee/Chairman for 12 years

Awarded Honorary Doctor of Science degree

Established astronomical courses and facilities to enlarge science curriculum

Boy Scouts

Committee Chairman and Scoutmaster

Dade County School System

Chairman of Magnet School Advisory Board

Lecturer during high school Inventor's Week

Lecturer for detention students

YMCA

Fund raising campaigns

Mercersburg Academy

Involved in the funding and establishment of an astronomical complex for space curriculum

Hobbs Foundation

Founder and president to support health, religious, engineering, and arts research

Inducted:

Member of The Harvey Alumni Association

Distinguished Graduates

June 1, 2000