



# American Men & Women of Science

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This edition of *American Men & Women of Science* profiles more than 130,000 active North American scientists, with cross-references to earlier editions for persons deceased. It also includes scientists from outside the United States and Canada if the majority of his/her work was performed within North America. Scientists from the entire range of sub-disciplines are included, from physical, biological, computer and health sciences to engineers and mathematicians.

Biographical profiles typically include the following data:

- Birth/death dates and places
- Citizenship
- Spouse's/children's names
- Field of specialty
- Educational background/honorary degrees
- Professional experience

- Honors and awards
- Memberships
- Research/publication information
- Contact information (address, fax and e-mail)

The 8th volume of the set, the Discipline Index, organizes entrants by 192 subject specialties, based on the National Science Foundation's Taxonomy of Degree and Employment Specialties. In addition, the set includes statistical information showing the distribution of scientists by age and discipline and an annotated list of major award winners, including the Nobel Prizes, Crafoord Prize, National Medal of Science and other honors awarded since the previous edition.

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*American Men & Women of Science*  
24th Ed. About 9,100 pp. in 8 vols.  
2007 in Print.  
ISBN: 978-1-4144-0647-3.  
Order #GML26608-225622.

eBook ISBN: 978-1-4144-3399-8.  
Order #GML26608-239166.  
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AMERICAN MEN & WOMEN OF SCIENCE ■ 22nd EDITION

Intern & asst resident med. NY Hosp. 1952-1954; chief psychiat consult, Mass Rehab Ctr. **Memberships:** Am Psychiat Assn; AAAS; sr mem. **Research Statement & Publications:** Schizophrenic psychopathology; perceptual processes; properties of psychiatric drugs; history of psychiatric ideas; methods of schools. **Mailing Address:** 151 Brattle St, Cambridge, MA 02138.

**HAVENS, TIMOTHY JOHN.** SUPERCONDUCTING MAGNET DESIGN, MAGNETIC RESONANCE IMAGING. **Personal Data:** b Bismark, NDak, February 1, 1952; m 1981; Janine Ley, c Garrett, Stanley & Luke. **Education:** Eckerd Col. BS, 1980; Col William & Mary, MS, 1981, PhD(physics), 1985. **Professional Experience:** SR ENGR, GEN ELEC MED SYSTS, 1980-; grantee, NSF, 1993-1991; Fed Educ Econ Security Act, Higher Educ Coop Demonstration grant, 1968-1969; res fel, Med Univ SC, 1986; Asst prof physics, Francis Marion Univ, 1985-1990; Res fel, Oak Ridge Nat Lab, 1979. **Research Statement & Publications:** Develop superconducting magnets for use in magnetic resonance imaging systems; granted 4 patents. **Mailing Address:** 1208 Madison Ave, Florence, SC 29501. **E-Mail:** [timothy.havens@med.gmc.edu](mailto:timothy.havens@med.gmc.edu)

**HAVENS, WILLIAM WESTERFIELD, JR.** NUCLEAR PHYSICS. **Personal Data:** b New York, NY, March 31, 1920; m 1944, Aikine Morris; c Nancy E (Hasty) & Cynthia (Gosline). **Education:** City Col New York, BS, 1939; Columbia Univ, MA, 1941, PhD(physics), 1946. **Professional Experience:** EMER PROF PHYSICS, COLUMBIA UNIV, 1955-; dir, Energy Res Ctr, 1976-1985; dir, Div Nuclear Sci & Eng, 1961-1985; NSF sr fel, 1959-1960; RES SCIENTIST, COLUMBIA UNIV, 1941-; From asst to prof, Columbia Univ, 1946-1955; mem, Nuclear Cross Sect Adv Group, AEC. **Memberships:** AAAS (pres, 1967-1968); fel Am Phys Soc (dep secy, exec secy, 1965-90), emer exec secy, 1991-); Sigma Xi; Am Assn Physics Teachers. **Research Statement & Publications:** Electronics; neutron spectroscopy; meson physics; electromagnetic accelerators. **Mailing Address:** 219 Palisade Ave, Dobbs Ferry, NY 10522.

**HAVENSTEIN, GERALD B.** ANIMAL GENETICS. **Personal Data:** b Manhattan, Kans,

1909; mgr, Struct & Mat Sect, 1964-1967; sr tech engr, Astronaut Div, Ling-Temco-Vought, 1961-1964; teaching asst astronaut & astronaut, Mass Inst Technol, 1960-1961; res staff mem, Mass Inst Technol, 1959-1961; group super dynamics, Chance-Vought Corp, 1951-1958; group leader struct & adv design, Canadair Ltd, 1948-1951; jr res officer, Struct Lab, Nat Res Coun Can, 1947-1948; Stress analyst, Bristol Aeroplane Co, Ltd, 1946-1947. **Memberships:** Assoc fel Am Inst Aeronaut & Astronaut. **Research Statement & Publications:** Aerospace dynamics and flutter; acoustics; applications of Monte Carlo methods. **Mailing Address:** 210 Willow Brook Rd, Earthville, VA 22936.

**HAVLAND, MERRILL L.** FUEL TECHNOLOGY & PETROLEUM ENGINEERING. **Personal Data:** b Ridgville, Ind, January 31, 1933; m 1952, Phyllis Bissel; c Lynn, Mark & Jonathan. **Education:** Purdue Univ, BS, 1954, MS, 1956. **Honors & Awards:** Henry Ford Mem Award, 1961. **Professional Experience:** RETIRED, automotive develop specialist, Exxon Chem Co, 1987-1995; res assessment mgr, Res BS, 1986-1987; dept res engr, 1976-1986; mem staff, Mech Eng Sch, Wayne State Univ, 1956-1961; from jr res engr to sr res engr, Gen Motors Corp, 1956-1976. **Memberships:** Soc Automotive Engrs, Soc Tribol & Lubrication Engrs, Sigma Xi; Am Soc for Testing & Materials. **Research Statement & Publications:** Measurement of flame and end gas temperatures in automotive engines and jet engine combustors; lubrication of sliding systems; power transmission fluids; vehicle fuel economy improvement; marketing automotive lubricant additives. **Mailing Address:** 1432 Bales, Birmingham, MI 48009.

**HAVLAND, ROBERT (PAUL).** ELECTRICAL ENGINEERING, ENVIRONMENTAL SCIENCES. **Personal Data:** b Cleveland, Ohio, October 18, 1913; m 1937, Opal Dorf; c Kay, Jean & Jon R. **Education:** Mo Sch Mines, BS, 1939. **Professional Experience:** Mem, Fed Commun Comm/World Admin Radio Conf Adv Cont, 1974; CHIEF ENGR, MINILAB INSTRUMENTS CO, 1973; mem common adv sub-cont, NASA, 1965-1973; mem cont sci & arts, Franklin Inst, 1959-; mem spec conf space technol, Nat Adv Comt Aeronaut, 1958; Mem, Test Equip Group, Res & Develop Bd, 1951; engr, Gen Elec Co, 1947-1972; Res asst - Schuller Assoc, Wash, State Univ, 1933-1947; mem IRE, IEEE, Int Soc Opto-

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