

2007 CHS Hall of Fame Inductee - Dean Peterson, Class of 1950

EDUCATION

- B.S. General Engineering, with honors South Dakota School of Mines and Technology, Rapid City, South Dakota
- M.S. Mechanical Engineering (Optical minor) University of Rochester, Rochester, New York



Honors/Patents

- Sigma Tau/Tau Beta Pi - National Honorary Society
- FELLOW - Society of Photographic Scientists and Engineers 1974
- MEMBER
- American Society of Mechanical Engineers
- Society of Photographic Scientists and Engineers
- Triangle Fraternity of Engineers and Architects
Society of Photo-Optical Instrumentation Engineers
- Society of Plastic Engineers
- TOP ONE HUNDRED - Included in top 100 all-time graduates of SDSM&T. On the occasion of their centennial anniversary, 1985.
- ELDER - Presbyterian Church, USA
- PATENTS - Many patents: (mechanical, optical, electronic, process, etc.)



EMPLOYMENT HISTORY

- 1990 - Pacific Innovations, Escondido, California - Operate my own engineering consulting company

- 1989 -1990 - Signet Armorlite Inc., San Marcos, California - Director of Engineering
- 1987 - 1989 - American Optical Company, San Diego, California - Manager of Process Development
- 1983 - 1987 - Spin Physics - Division of Eastman Kodak, San Diego, California - Manager of Engineering - Systems Division
- 1981 -1983 - Nimslo Corporation, Atlanta, Georgia - Director of Engineering - Camera Division
- 1978-1981 - Fisher-Price Toys, San Diego, California - Manager of Engineering - Audio-Visual Division
- 1976- 1978 - Honeywell Test Instruments Division, Littleton, Colorado - Senior Technical Engineer, E-5
- 1968-1976 - Honeywell Photo Products Division, Denver, Colorado - Manager of Advanced Development / Mechanical Design
- 1956-1968 - Eastman Kodak Company, Rochester, New York - Senior Project Engineer
- 1954-1956 - United States Army - Microwave Radio Repairman, draftee, Korean conflict

IMPORTANT PRODUCTS / ACCOMPLISHMENTS

- Designed camera employing fully Automatic exposure control system - In conjunction with other engineers. Star Matic (Eastman Kodak)
- Designed original Instamatic camera, i.e., cassette-loaded amateur camera. (Eastman Kodak) (65 million units sold)
- Designed first successful Automatic-Focus camera (Honeywell, Photo Division)
- Designed low-cost, fixed head, hi-speed Oscillograph (Honeywell Test Inst. Div.)
- Designed clinical diagnostic and other high-technology Medical Instruments (Honeywell Medical Products Division)
- Introduced novel, childproof Phonograph and Cassette recorder (Fisher-Price) which became the most successful toys of all time in the F-P line

- Introduced high technology circuit board production incorporating ATE at border factory facility Tijuana, Mexico (Fisher-Price)
- Developed first successful, consumer operated Three-Dimensional print camera
- Designed Biomedical Equipment for OR and planned new product development strategy (Kimberly Clark Medical Products)
- Worked with foreign companies to negotiate terms, set up and run factories in Scotland, Mexico, Wales and Japan (Fisher-Price, Nimslo, Am Opt., E. Kodak)
- Developed state-of-the-art Fast Frame Video System, tape system, for video motion analysis; 1000 Frames/second (Spin Physics, Eastman Kodak)
- Developed and installed novel automated Manufacturing Process for production of ophthalmic lenses at border facility, Tijuana, Mexico (American Optical)
- Concepted and designed a Modular Ophthalmic Casting System capable of manufacturing state-of-the-art plastic lenses (Signet Armorlite)
- Conceptual design and patent for a Medical Device used in cardiovascular surgery using fluid-dynamically designed disposable (consultant for Galen Medical, PI)
- Designed novel Infusion Pump that provides constant delivery rates for extremely small fluid volumes. Patent in progress (For my own company, PI)
- Designed Mechanical Housing for state-of-the-art, Pen Top computer that will withstand extreme environmental abuse for Department of the army and the DOT. Planned and developed fixtures and equipment for production of this computer. (As a consultant to DATA Co, PI)
- Served as Expert Witness on cases involved 'with patent litigation.

SPECIAL SKILLS

- Managing technical personnel and Project management
- Machine and product design
- Design of precision plastic injection molded parts
- Design of metal parts: Castings, forging, sheet metal, screw machine, 4-slide, etc.

- Electro-opto-mechanical design of novel concepts
- Design, setup and installation of manufacturing (robotic) equipment
- First-hand production and manufacturing skills
- Design and development of automated manufacturing processes
- Management of manufacturing engineering and factory start-up
- Knowledge of regulatory and GMP practice as related to medical product production
- Teaching (University level: Machine design, analytical mechanics, etc.)
- Documentation, YH.5-1982 M etc.

FAMILY

- Married; two grown sons