

Gary Polson, P.E. P.O. Box 1381, Stillwater OK 74076-1381 Phone (405) 377-7100

EDUCATION

5 April 2022

Degrees:

Bachelor of Science in Mechanical Engineering
Oklahoma State University 1973

Master of Engineering in Mechanical Engineering
Oklahoma State University 1975

Master of Science in Health, Physical Education, and Leisure Sciences
Oklahoma State University 1990

Brunswick, Mercury Marine, MerCruiser training courses & seminars including:

- Design for Assembly 1990
- Design for Manufacturing (6 Sigma) 1991
- Manufacturing Cycle Management 1991
- The Better Boating Course - Oklahoma Department of Public Safety 1991

- U.S. Power Squadron Boating Course 1991
- Customer Satisfaction Workshop 1991
- Total Cycle Time (Process Mapping) 1991
- Legal Advice for Product and Manufacturing Engineers 1991

- BAMP1 (Brunswick Advanced Management Program) Kellogg Executive Programs, Northwestern University 1992
- Dale Carnegie Strategic Presentation Workshop 1992
- Root Cause and Decision Analysis 1992
- Product Liability Issues 1992

- Strategic Planning 1993
- Designing With Plastics 1993
- 7 Habits of Highly Effective People 1993
- Sound and Vibration Short Course 1994

- Oklahoma Department of Labor Safety Seminar 1994
- Quality System Review 1995
- Process Improvement 1996

Classes, industry and technology development seminars including:

- Basic Fluid Power Research Center Annual Conferences. OSU. 1976-1977.
 - Design Engineering Course for Logic Cartridge Valves. Rexroth. 1982.
 - 1983 White House Symposium on Physical Fitness and Sports Medicine. 1983.
 - Advanced Applied Anatomy & Kinesiology. OSU. HPELS 5783. 1983.
 - National Strength and Conditioning Association Annual Conventions. 1983-1988.
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- Sports Equipment / Technology Problems and Programs. Sports Equipment and Technology Committee of the U.S. Olympic Committee. 1984.
 - American College of Sports Medicine Central States Chapter Annual Convention. 1984.
 - American Alliance of Health, Physical Education, Recreation, and Dance Annual National Conference. 1984.
 - Biomechanics of Humans in Motion. Oklahoma State University. HPELS 5743. 1985.
 - National Correctional Recreation Association Annual Conferences. 1987-1991 and 1994-2003.
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- Legal Aspects of Health, Physical Education, and Recreation. OSU. HPELS 5023. 1988.
 - Loctite Seminar. Tulsa. 1988.
 - Making Invention Pay. National Innovation Workshop. U.S. Dept. of Commerce. 1989.
 - Governor's Conference on Small Business. State of Oklahoma. 1990.
 - Accessing Patent and Trademark Information. Patent and Trademark Depository Library Program. U.S. Patent and Trademark Office. 1991.
 - Design Engineering Japan '91 Show & Plaza. Japan. 1991.
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- EAA Oshkosh '92. Oshkosh Wisconsin. 1992.
 - HPMV92 (Intersociety High Performance Marine Vehicle Conference and Exhibit). 1992.
 - Carderock Division of Naval Surface Warfare Center Dual-Use Technology Transfer Forum. 1993.
 - White House Technology Reinvestment Project. Dallas Briefing. 1993.
 - Small Boat Symposium. American Society of Nautical Engineers. Little Creek, Norfolk, Virginia. May 26-27, 1993.
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- Technology Reinvestment Project's Conference on Consortia. ARPA. 1994.
 - Keeping the Information Door Open. Oklahoma Public Meetings Law. OSU. 1994.
 - Putting the World Wide Web to Work for Your Company. Silicon Graphics and Netscape. 1995.
 - National Strength & Conditioning Association State Coaches Clinic. Oklahoma. 1995 and 2003.
 - Oklahoma Innovation Conference. State of Oklahoma. 1995.
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- Farming the Web: Exploring Agricultural Opportunities on the Internet. Oklahoma VoTech. 1996.
 - Seminar on Exporting Pleasure Boats to Japan. Japan Maritime Technology and Safety Bureau. Ministry of Transport. 1997.
 - Towns and Tribes Together (Strategic Plan for Economic Development). City of Stillwater. 1998.
 - Boating Writers International Meeting. IMTEC98. Chicago Illinois. 1998.
 - Technology Summit on E-Commerce. OSU College of Business. 1999.

Classes, industry and technology development seminars continued:

- First Lady's Conference for Emerging Businesses. Oklahoma Home Based Business Association 1999.
- Celebrating 6 Million Patents: Encouraging Future Progress. OSU Patent Library. 2000.
- Oklahoma Inventors Assistance Service Workshop and Inventors Fair. April 2000.
- Internet for Inventors. Oklahoma Inventors Assistance Service. July 2000.
- Seminar With the U.S. Patent & Trademark Office. Oklahoma Inventors Assistance Service. 2000.

- Failure to Warn: A Product Liability Issue. Boating Week 2000. Orlando Florida. 2000.
- Patents Customer Outreach 2001. U.S. Patent and Trademark Office. 2001.
- Oklahoma Inventors Assistance Service Workshop and Inventors Fair. May 2001.
- Licensing and Financing Workshop. Oklahoma Inventors Assistance Service. December 2001.
- Oklahoma Inventors Assistance Service Spring Workshop: Questions and Answers. 2002.

- Oklahoma Inventors Congress: Annual Conferences. 2002-present.
- Economic Development Generating Excellence (EDGE) Summit. State of Oklahoma. 2003.
- Family History Fall Seminar. Church of Jesus Christ of L.D.S. Norman Oklahoma. 2003.
- A Competitive Strategy for Funding R&D. SBIR/STTR Phase 1 Workshop. 2004.
- Researching the Market & Customer Validation. Oklahoma Technology Commercialization Center. 2004.

- Market Validation and Patent Claim Writing. Oklahoma Inventors Assistance Service. 2004.
- Oklahoma Comprehensive Wildlife Conservation Strategy Conference. Oklahoma Department of Wildlife Conservation. 2004.
- How to Work With a Manufacturer. Oklahoma Inventors Assistance Service Workshop. 2005.
- New Product Development: The Basics. Oklahoma Inventors Assistance Service Workshop. 2005.
- Oklahoma Inventors Assistance Service Spring Workshop. 2006.

- Patents, Trademarks & Copyrights. Oklahoma Inventors Assistance Service Workshop. 2007.
- Technical Assistance Workshop. Project FAITH. (Faith Communities and American Indian Tribes Helping Students Succeed). 2007.
- Body Armor Technology Presentation. Oklahoma State University. 2007.
- Researching Patent & Trademark Information. U.S. Patent & Trademark Office. 2007.
- Safety Management 101. Stillwater Regional Manufacturers' Council. 2008.

- National Boating Safety Advisory Council (NBSAC). 83rd Meeting. Orlando Florida. April 4-6, 2009.
- Websites for Manufacturers Workshop. Oklahoma Manufacturing Alliance. 2009.
- iThemes Bootcamp (WordPress theme software). Oklahoma City Oklahoma. 2010.
- Family History Conference. Church of Jesus Christ of Latter-Day Saints. Oklahoma City. April 2010.

Classes, industry and technology development seminars continued:

- Blue Print Basics - Convert Your HTML Site to Builder. iThemes WebDesign. January 6, 2011.
 - WordPress 3.1 Walkthrough. iThemes WebDesign. January 7, 2011.
 - Drive Traffic to Your Website With Social Media. Dianne Byrne of Megayacht News. Sponsored by Boat Writers International. February 17, 2011.
 - Creating iThemes Builder Child Themes. iThemes WebDesign. February 3, 2011.
 - Builder Style Manager Exposed. iThemes WebDesign. February 17, 2011.
 - WordPress 3.1 Overview. iThemes WebDesign. February 25, 2011.
 - Import/Export With iThemes Builder. iThemes WebDesign. February 25, 2011.
 - ABYC/CED Propeller Strike Injury Mitigation Project Update Webinar. December 12, 2011.
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- Introduction to the PluginBuddy Mobile Plugin. iThemes Web Design. February 6, 2012.
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- National Boating Safety Advisory Council (NBSAC) Strategic Planning Subcommittee Teleconference. April 25, 2013.
 - National Boating Safety Advisory Council (NBSAC) Prevention Through People Subcommittee Teleconference. April 29, 2013.
 - Ted^xOStateU. Oklahoma State University. Stillwater, Oklahoma. October 24, 2013.
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- National Boating Safety Advisory Council (NBSAC) Strategic Planning Subcommittee Teleconference. March 27, 2014.
 - National Boating Safety Advisory Council (NBSAC) Prevention Through People Subcommittee Teleconference. April 2, 2014.
 - Boat Oklahoma Safe Boating Course. Oklahoma Highway Patrol. Department of Public Safety. Lake Patrol Section. Cleveland Oklahoma. May 17, 2014.
 - ABYC Product Interface Committee T5 Safety Signs & Labels Review of Combined Labels Webinar. May 28, 2014
 - National Boating Safety Advisory Council (NBSAC) Prevention Through People Subcommittee Teleconference. September 14, 2014.
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- Ted^xOStateU. Oklahoma State University. Stillwater, Oklahoma. April 10, 2015.
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- Geico Bassmaster Classic brought to you by GoPro. Grand Lake / Tulsa, Oklahoma. March 4-6, 2016
 - GoPro Mounts & Perspectives. Go Pro camera accessories class held at Bassmaster Classic 2016. March 6, 2016.
 - ABYC Product Interface Project Technical Committee (PTC) Webinar on T-5 Safety Signs and Labels standard / technical information report discussing proposed changes. May 25, 2016.
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- National Boating Safety Advisory Council (NBSAC) 97th Meeting. March 23-25, 2017. Arlington Virginia.
 - How-to Guide for On-Page SEO (Search Engine Optimization) webinar. iThemes webinar. May 17, 2017.
 - Engineer a Better World. Oklahoma Engineering Conference. June 16, 2017. Oklahoma City, Oklahoma. Presentations included:
 - Symbology Recognition on Decals for Machinery.
 - OK Windfarm Projects.
 - Ethical Disasters.

Classes, industry and technology development seminars continued:

- ABYC Control Systems PTC Webinar on A-33 Emergency Engine/Propulsion Cut-Off Devices. Discussing comments. June 20, 2017.
- Persuasive Communication. Jennifer B. Gardner. Webinar. September 12, 2017.
- ABYC Marine Law Symposium. Charleston, South Carolina. April 10, 2018.
- Grow Boating Presents Findability University With Heather Lutze Part 2: Spy on Your Prospects. Webinar. April 17, 2019.
- Grow Boating Presents Findability University With Heather Lutze Part 3: Spy on Your Competitors in a Good Way. Webinar. May 1, 2019.

- Family History Conference. Single Adult Multi-Stake Activity, The Church of Jesus Christ of Latter-day Saints. Stillwater OK. April 27, 2019.
- The Expert Witness. Christina Paul, partner at K&L Gates Law Firm. ABYC Webinar. May 22, 2019.
- Oklahoma Engineering Conference. Oklahoma Society of Professional Engineers (OSPE). Oklahoma City, OK. June 21, 2019. Presentations included:
 - Passing on Institutional Knowledge. Trish Hatley of Freese & Nichols, and OSPE.
 - Making Safety Personal in the Oil & Gas Industry. Warren Hubler. Helmrich & Payne.
- A New Twist in Licensing: A Primer for Licensing Corporations: A Peek Under the Corporate Tent. Bob Oros. Inventor Society of South Florida Webinar. April 11, 2020.

- National Boating Safety Advisory Council (NBSAC) 102nd Meeting. Webinar. April 22, 2020.
- Oklahoma Engineering Conference. Oklahoma Society of Professional Engineers (OSPE). Webinar. June 18-19, 2020.
- National Boating Safety Advisory Council (NBSAC) 103rd Meeting. Webinar. July 28, 2020.
- The Silent Sound of Tornadoes. Brian R. Elbing of Oklahoma State University. American Society of Mechanical Engineers. Central Oklahoma Section. Webinar. October 22, 2020.
- Revealing Fayetteville - A New Landscape. Fay Jones. University of Arkansas. Landscape Architecture Practices of African American Burial Grounds Before and After Emancipation. Webinar. November 2, 2020.

- National Boating Safety Advisory Council (NBSAC) 104th Meeting. Webinar. November 5, 2020.
- ABYC Annual Meeting PTC webinar (S-32 and T-5 discussed). January 14, 2021.
- Unmanned Aerial Systems. Bart Estes. Central Oklahoma ASME. Webinar. March 22, 2021.
- ABYC PTC committee meeting on S-32 and T-5. Two days, April 15, 2021 and May 5, 2021.
- Air Force Tankers Yesteryear vs. Future (KC-135 & KC-46). Matt Guarnieri, Tinker AFB. Central Oklahoma ASME. Webinar. August 26, 2021.

Classes, industry and technology development seminars continued:

- National Boating Safety Advisory Committee (NBSAC) Virtual Meeting. October 21, 2021.
- Product Development & Commercialization: A Lab to Market Story. Ranji Vaidyanathan. Central Oklahoma ASME. Webinar. October 28, 2021.
- Regulations & Electrification. U.S. Coast Guard Risk Management Webinar series. November 9, 2021.
- National Boating Safety Advisory Committee (NBSAC) Teleconference. January 20, 2022.

- National Boating Safety Advisory Committee (NBSAC) hybrid meeting. March 28, 2022.
- Tulsa Boat Show. Attended 2004, 2006-2008, 2012-2017, 2019-2020.

EMPLOYMENT**1996 – Present Polson Enterprises, Stillwater OK, Owner – Consultant**

Provide market, business, technical, patent, product liability, regulatory, and competitive intelligence research to clients seeking assistance in commercializing new products, facing business decisions, or solving technical problems, primarily in the marine industry.

Use trade publications, patent databases, EPA filings, U.S. Government agency docket, databases, libraries, case studies, the Internet, trade shows, online polls, our files, interviews, and other sources to obtain information for clients and potential clients.

Projects have included marine drives, propellers, propeller injuries, boating accessories, recreational boats, commercial and military vessels, marine diesel engines, marine turbines, standby power generation, shipboard power, marine night vision, All Terrain Vehicle (ATV) product liability, kitplanes, haptic feedback, virtual pets, lawn mowers, large format digital imaging, medical devices, stud finders, equipment for installing underground utilities, remote boat monitoring, and virtual museums.

Create and provide online research portals for several industries, some of which generate funds through Google AdSense, Amazon, or other methods.

Determined level of uniqueness of inventions submitted to the Oklahoma Inventors Assistance Service, a State of Oklahoma program assisting independent inventors. Served as a member of their Invention Selection Committee. Reviewed over 300 inventions from 2000 - 2009.

Provide information and research services to companies worldwide.
Presenter at regional patent, invention, and market research seminars.

Launched and continue to webmaster RBBI.com, one of the first web sites for the Recreational Boat Building Industry. Launched RBBI Alert, one of the first breaking news email alert systems for the boat building industry.

Launched and operate Propeller Guard Information Center, now PropellerSafety.com. The site is an online information hub for those developing or researching propeller injury avoidance methods and devices. It covers the products available, proposed regulations, propeller injury accidents, propeller accident statistics, court cases, emerging technologies, U.S. Coast Guard propeller injury avoidance meetings, and promotes development of Virtual Propeller Guards. Virtual Propeller Guards are devices and methods used to detect people near the propeller or to predict their presence.

Originated several propeller safety devices, concepts, and methods, then placed them in the public domain. Developed our Aspects of the Debate Surrounding Propeller Safety Issues Chart. Put forth Propeller Safety Device Radar Plots as a method to simultaneously illustrate relative performance of multiple propeller safety devices in different accident scenarios. Suggested a new table format for reporting USCG annual boating accident statistics to reduce confusion between Event 1 and All Event statistics that was later adopted by the U.S. Coast Guard with modifications.

Authored a major report on a houseboat propeller safety regulation proposed and withdrawn by the USCG. Serve as an expert witness in propeller injury cases. Provide propeller safety information support to governments, media, individuals, companies, and legal firms. Assist in recreational boat propeller safety efforts worldwide.

Polson Enterprises continued

Review and respond to U.S. Coast Guard propeller safety proposals. Review responses of others for accuracy.

In cooperation with Courtroom View Network (CVN), blogged world wide coverage of the Robin Listman v. Outboard Marine Corporation propeller injury trial in November 2011 via CVN's live and recorded video feeds.

Assemble and maintain a major archive of propeller safety materials in paper and digital formats, including digital archives of media reports of propeller accidents worldwide. Post summaries of initial media coverage of individual propeller accidents. Provide enhanced online coverage of high profile current and historical propeller accidents.

Encourage college students searching for senior design, capstone, and thesis topics to consider propeller safety projects. Create web pages for suggested propeller safety topics, describe the problem, list reference materials, and solicit students and sponsors.

Monitor public, media, regulatory, and legal statements on propeller safety topics for accuracy. Publicly identify inaccuracies to prevent false statements from being perpetuated.

Fifteen plus years experience using U.S. Coast Guard (USCG) Boating Accident Report Database (BARD). Maintain fluency in BARD. Encourage USCG and the boating industry to encourage states no longer submitting their data to Public BARD to begin doing so again.

Produced a series of nine BARD instructional videos making it easier for boat builders to Post Sale Monitor their boats for safety issues. Created a chart showing how monitoring BARD fits into an overall Post Sale Monitoring safety program. Announced availability of these materials at a U.S. Coast Guard National Boating Safety Advisory Council meeting.

Developing a consumer guide for the selection of propeller safety devices.

Webmastered a major update, relaunch, and rebranding of the Propeller Guard Information Center (PGIC) as PropellerSafety.com in June 2011.

Encourage development of propeller guards using rear screen flaps or "lids" that swing up when underway to reduce drag.

Promote use of Technology Prizes as a means to overcome significant propeller safety design challenges.

Invented a virtual lanyard boat engine kill switch (engine cut-off) based on the integration of a Radio Frequency Identification (RFID) tag with a life jacket / Personal Floatation Device (PFD). The yet to be developed invention allows an operator to wear a special life jacket to prevent the boat from circling and striking them if they are ejected, prevent the boat from leaving the scene if they are ejected, and reduce their probability of drowning if they go overboard.

Invented a device limiting operation of rental vessels to those authorized to do so.

Authored histories of recreational boat propeller safety for the U.S. and for the U.K.

Broke an investigative news story on Yamaha UK flood rescue outboard propeller guards.

Polson Enterprises continued

Compile and update lists of certain types of boat accidents including: outboard motor flipped into boat, struck dredge pipe, bass boat operators ejected while underway in open water, entrapped by an open boat propeller, international tourist diving and snorkeling propeller accidents, and over the bow pontoon boat propeller strikes.

Authored paper on why outboard motors used in bass tournaments disproportionately break off and flip into boats.

Developing a network of propeller safety advocates around the world.

Design examples of warnings for boat propeller hazards for which the industry does not currently warn.

Published a paper on new ways to analyze boat coast down data.

Reduce complex situations and detailed information to easily understood graphics or artistic images for industry, religious organizations, legal professionals, and consumers.

1990 - 1996 Mercury MerCruiser, Stillwater Oklahoma**1990-1993 R&D Engineer**

Responsible for hydraulic power steering and trim systems. Co-invented a marine power steering valve (U.S. Patent #5,376,029). Assisted in the manufacturing startup of the power steering valve in Japan and Brazil.

Began supplying technical, patent, market, regulatory, and business information to the MerCruiser Engineering Department in 1992.

Provided information support to a counter-rotating propeller patent infringement case involving intervening rights.

1994-1996 Project Engineer

Part of the Technical Development Group. Information research responsibilities expanded over time (beginning in 1992) to include other MerCruiser departments, a joint venture in Japan, Mercury Marine, and Brunswick Corporation. Over 100 projects were completed.

Scouted outside technologies and estimated patentability of "in-house" inventions. Evaluated certain technologies proposed to MerCruiser / Mercury Marine for licensing, and rated their level of intellectual property protection. Scouted several industries as potential markets for Mercury Marine engines.

Closely followed emerging marine drive technologies and documented historical marine drive technologies.

Produced reviews of competitive stern drives, including performance tests and disassembly. Served as a liaison to U.S. Navy and Federal Labs. Co-authored a proposal from five companies and the Naval Surface Warfare Center for Defense Advanced Research Projects Agency (DARPA) dual use funds.

Developed a method and computer program to calculate position and acceleration from boat velocity data captured during performance testing and in coast down testing. Velocity vs. Time data was curve fit with physics equations allowing the calculation of drive thrust and boat drag. A few coefficients were able to represent hundreds of data points. The program also allowed "live" virtual races between two performance runs of the same boat outfitted differently, or between two different boats.

Provided information support to corporate staff, new product development teams, safety teams, strategic planning teams, international joint venture teams, and quality system review teams at MerCruiser, Mercury Marine, and Brunswick. Served on the MerCruiser Engineering Department safety team. Served on Quality System Review (QSR) teams examining MerCruiser and Mercury Marine departments. Encouraged research in the use of sensors to detect people near propellers. Promoted use of Internet tools in many business, marketing, and customer service applications. Co-created a mock-up for Mercury Marine's first website in 1995.

Have since performed eight research projects for MerCruiser, one for Mercury Marine, and assisted other Brunswick units.

11/1982 – Present Strength Tech, Inc. Stillwater OK, Owner

Created this family business to commercialize, produce, and market new strength training products. Invented the Okie Grip barbell collar (U.S. Patent #4,639,979), a safety device to hold weight plates on a weight lifting bar.

Conducted design and safety reviews of athletic facilities, and authored the Institutional Weight Room Design Manual. Created the Weight Room Percentage Chart for estimating a lifter's maximum lift from several reps at a lighter weight, or for use in calculating the amount of weight to load for percentage based workouts.

Designed and manufactured weight lifting equipment for use in prisons, judged prison power lifting meets, and lifted in prison power lifting meets as a guest lifter.

Provide upholstery products for recovering weightlifting equipment in prisons.

Launched StrengthTech.com (September 1995) an online source for information on correctional recreation and weight lifting in prisons. Used the web site and personal contacts to influence state and federal legislators attempting to ban weight lifting in prisons. Attended and spoke at several National Correctional Recreation Association annual conferences. Developed a Weightlifting in Prisons bibliography and continue to assist those performing research in this field.

Scouted potential applications of strength training principles to livestock to build muscle and improve physical performance.

Exhibited our products at many regional and national trade shows. Use PayPal and the Internet as a delivery system for downloadable posters.

1974 - 1983 Charles Machine Works (Ditch Witch), Perry OK, Hydraulic Engineer

Designed mobile hydraulic systems including open center, closed center, load sensing, electro-hydraulic and hydrostatic systems for tractors, trenchers, backhoes, and other mobile construction equipment.

"Plumbed" dozens of prototypes and worked with a large number of vendors in developing and qualifying hundreds of components.

Assisted in troubleshooting complex hydraulic problems in the field, on the assembly line and in production equipment after the normal chain of troubleshooters were unable to resolve the problem. Created hydraulic schematics for current and historical products.

Designed a complex hydraulic system and manifold for a tractor mounted vertical drill (U.S. Patent #4,475,604) used to install ground source heat pump systems.

Invented the hydraulic "Auto-Crowd" an automatic control system used to maximize trench production rates, decrease fuel consumption, and reduce operator fatigue. Represented Ditch Witch in the Basic Fluid Power Research Consortium, a cooperative research effort between several companies and Oklahoma State University. Promoted the development of hydraulic digging chains. Participated in several new product design reviews and new product safety reviews.

Have since performed several research projects for Charles Machine Works and appeared in a television commercial for them.

PATENTS

- U.S. Patent #4,639,979. Okie Grip barbell collar.
- U.S. Patent #5,376,029. Recreational marine power steering unit.
- My patents and websites have been cited by over 225 U.S. patents.

LICENSES & AFFILIATIONS

- Licensed Professional Engineer in State of Oklahoma #11896 - 1980-present
- Certified Strength and Conditioning Specialist by the National Strength and Conditioning Association #86236 - 1986-2011
- Oklahoma Genealogical Society - member 2020-present
- Boat U.S. - member 2017-present
- Bass Angler Sportsman Society - member 2014-present
- Society of Naval Architects and Marine Engineers - member 2010-present
- American Society of Mechanical Engineers - associate member 1975, member 2007-present
- Boat Writers International - member 2000-present
- Investigative Reporters & Editors - member 2014-2021
- Society of Competitive Intelligence Professionals - member 1993-1996, 1998-2000
- Oklahoma Inventors Congress - former chapter chairman, Board Member 1998-present
- Oklahoma Correctional Association - member 1990 & 1996
- American Society of Safety Engineers - member 1989-1991
- American Correctional Association - member 1988-2016
- National Correctional Recreation Association - corporate member 1987-2003
- Oklahoma Draft Horse and Mule Association - member 1984-1985
- Cherokee National Historic Society - member 1984
- National Strength and Conditioning Association - member 1983- February 2018
- The United States Weightlifting Federation - corporate member 1983-1987
- United States Olympic Society - member 1979-1987
- Cherokee Nation - tribal member 1979-present

AWARDS

- 1966 Will Rogers Memorial Rodeo Calf Scramble Winner (funds to purchase heifer)
- 1967 Welch Oklahoma Grand Champion Angus Heifer
- 1967 REA Day Vinita Oklahoma Grand Champion Heifer
- 1967 Coffeyville Kansas Inter-State Fair Jr. Grand Champion Angus Heifer
- 1967 Coffeyville Kansas Inter-State Fair Open Grand Champion Angus Heifer
- 1967 Craig County Oklahoma Free Fair Grand Champion Heifer
- 1967 Muskogee Oklahoma State Fair Jr. Grand Champion Angus Heifer
- 1985 State of Oklahoma Super Heavyweight Power Lifting Champion
- 1996 Achievement Award. National Correctional Recreation Association
- 1997 John Pike Memorial Award. National Correctional Recreation Association

VOLUNTEER PROJECTS

- 1983-1987 Oklahoma State University Track Team - video taped track meets and a world class pole vaulter for immediate technique adjustments, operated Accutrack photo finish system, assisted at thrower and vaulter practices, drove vans to meets, helped take care of the food on trips, and assisted at a pole vault camp
- 1985 Oklahoma State University Women's Basketball Team - video taped games and tagged footage with local radio play by play from a crows nest high over the court in Gallagher-Iba Arena
- 2004-present webmaster PropellerSafety.com and its predecessor, the Propeller Guard Information Center
- 2004-present Stake financial clerk for The Church of Jesus Christ of Latter-day Saints - responsible for financial records for a stake, assist with record keeping problems in 11 church units in the region, train clerks, and processed advance ticket sales for a Tabernacle Choir at Temple Square concert
- August 2012 - August 2014 helped manage the physical distribution of food at a church food bank one Saturday a month
- 2013 Church tornado debris removal work project team volunteer for several weekends following May 2013 tornadoes in Oklahoma

PUBLICATIONS

- Institutional Weight Room Design Manual. Gary Polson. Strength Tech, Inc. 1991.
- Leisure Alternatives Funnel Chart. Gary Polson. MerCruiser. 1994.
(Portions republished as Funnel Vision. Boating Industry. May 2005. Pg. 12.)
- Weight Room Safety Strategic Planning. Gary Polson. Published as a six part series in Strength & Conditioning Journal, a publication of the National Strength & Conditioning Association. August 1994-June 1995.
- Virtual Pet Secrets magazine. Edited by Polson, G. H&S Media. 1997.

ASSISTED STUDENT PROJECT

- Designing an Intelligent Propeller Safety System. Bram van der Vlist of Eindhoven University of Technology (The Netherlands). 2005. Gary Polson, Polson Enterprises, Client and Expert.
- Human Body Detection Methods: A Literature Review. Bram van der Vlist of Department of Industrial Design. Eindhoven University of Technology (The Netherlands). 2005.

INTERNET PUBLISHED PAPERS & MATERIALS

- Boaters vs. PWCs: Can Some Answers Be Found in Prior Recreational Conflict Research. Polson Enterprises. 1998.
- Innovation Lag. Polson Enterprises. 1999.
- Virtual Propeller Guard Presentation. Polson Enterprises. 1999.
- U.S. Commercialization of Innovative, Propeller Driven, Recreational Marine Drive Designs. Polson Enterprises. 2000.
- Propeller Driven Recreational Marine Drives: Learning from the Past with an Eye to the Future. Polson Enterprises. 2001.
- U.S. Large Vessel & Ship Populations. Polson Enterprises. 2001.
- State Budget Shortfalls Impact Correctional Recreation: The View From Both Sides. Gary Polson. Strength Tech, Inc. Presented at the 2002 National Correctional Recreation Association Annual Conference in Omaha Nebraska. 2002.

- Technology Forecast: A Customer Validation Tool. Polson Enterprises. 2004.
- Fishing Games: The Evolution of Virtual Fishing Games. Polson Enterprises. 2004.
- Marine Stern Drive Production Volumes and Market Shares: An Overview. Polson Enterprises. 2004.
- Marketing New Marine Drive Concepts Similar to Outboards and Stern Drives: A Difficult Path for Independent Inventors and Small Companies. Polson Enterprises. 2005.
- Houseboat Propeller Injury Avoidance Measures Proposed and Withdrawn by the U.S. Coast Guard: An Analysis by the Propeller Guard Information Center. Gary Polson. Polson Enterprises. 2010.

- History of Boat Propeller Safety Issues & the Propeller Safety Movement. Gary Polson. PropellerSafety.com. 2013.
- UK History of the Boat Kill Cord & Propeller Safety Movement. Gary Polson. PropellerSafety.com. 2013.
- Public Comment on USCG-2013-0437. Recreational Boating - Estimating Benefits of Reducing Injuries. Gary Polson. PropellerSafety.com. Dated August 26, 2013.
- Approaches to Prevent Outboard Motors From Flipping Into Boats After Striking Floating or Submerged Objects. Gary Polson. PropellerSafety.com. 2013. Updated 2014 and 2018. Published Supplement #1 in 2020.
- Why Outboards Used in Bass Tournaments Disproportionately Break Off & Flip into Boats Compared to Other Outboard Motors. Gary Polson. PropellerSafety.com. 2019.

- Series of nine U.S. Coast Guard Boating Accident Report Database (BARD) training videos for boat builders Post Sale Monitoring accidents involving their vessels. Gary Polson. PropellerSafety.com. 2020.
- U.S. Coast Guard Boating Accident Report Database (BARD) Search Strategies to Identify Boat Accidents Involving Vessels Built by a Specific Boat Builder. Gary Polson. PropellerSafety.com. 2020.
- Analyzing Recreational Boat Acceleration & Boat Coast Down Data: A New Approach. Gary Polson. PropellerSafety.com. 2021.

EXAMPLES OF ONLINE TOOLS, CHARTS, & INFORMATIONAL WEB SITES CREATED

Boating Industry

- Marine Drive Design Blog. Launched 2002.
(Covers marine drive designs and technologies)
- Power Boat Market Research Statistics. Re-launched 2003.
- Propeller Guard Information Center. Launched 2004, major update June 2011.

- Boat Carbon Footprint. Launched 2007.
(Covered marine emissions related to global warming)
- Aspects of the Debate Surrounding Propeller Safety Issues Chart. 2008.
Updated 2014.
- Propeller Safety Device Radar Chart. 2008.
(Displays relative performance of multiple devices in multiple scenarios)

- Mitigating Boat Propeller Injuries & Fatalities Chart. 2013.
- UK Boat Propeller Safety Interactive Timeline. 2013.
- Outboard Motor Log Strike Mode by Speed and Resistance to Impact Chart. 2016.
- Bass Boat & Motor Design Flow Chart for Preventing Injuries & Fatalities From Outboard Motors Entering the Boat After Striking Submerged Objects. 2016. Updated 2021.

- Why Outboard Motors on Bass Tournament Boats Break Off and Flip into Boats Chart. 2019.
- Process for Post Sale Monitoring of Power Boat Accidents Chart. 2020.

Boaters

- Propeller Calculator. Launched 1997.
- Power Boat Manufacturers Links. Launched approx. 1997.
- Yacht Manufacturers Directory and Information Center. Launched 2006.
- Outboard Motor Manufacturers Directory and Information Center. Launched 2006.

Market Research and Independent Inventors

- How to Learn About an Industry or a Specific Company. 1995.
- Industry Portals / Industry Hubs. 1997.
- How to Learn About a Company by Examining its Products. 1999.
- How to Conduct a Patent Search. 2000.

- Evaluating Inventions: Improving the "Potential for Success" (PFS) of Inventions, Novel New Products & Processes. 2000.
- Economical Prototypes: Constructing Prototypes on a Tight Budget. 2000.
- Invention Commercialization Process: Marketing an Invention. 2007.

Miscellaneous

- Correctional Recreation: A Bibliography. Approx. 2003.
- Weight Lifting in Prisons: A Bibliography. Approx. 2003.

- The Church of Jesus Christ of Latter-Day Saints Charts. 2011.
- Cherokee, Choctaw, Chickasaw, Creek, Seminole Genealogy Records. 2017.