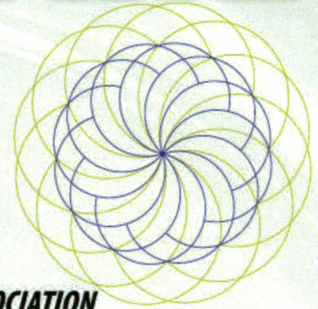


Annual Marine Propulsion Expo

Owned & Produced by:

NMMPA

NATIONAL MARINE PROPELLER ASSOCIATION



DECEMBER 7 - 10, 2023
BROWARD COUNTY CONVENTION CENTER
FORT LAUDERDALE, FLORIDA USA

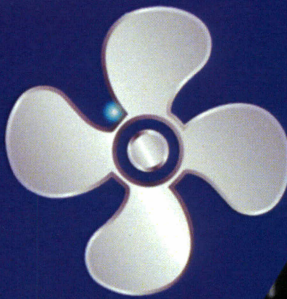
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PRESIDENT'S WELCOME MESSAGE

Dear Expo Attendees,

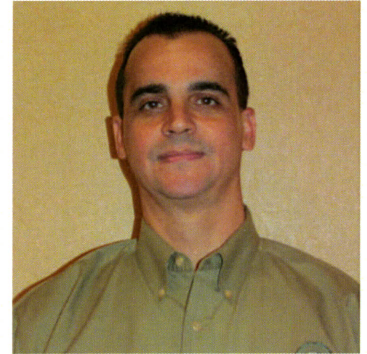
Since its inception in 1992, the NMPA Annual Convention has been a platform where marine propeller specialists could engage in thoughtful conversation, enjoy the close-knit camaraderie of our industry, and explore the continual evolution of marine propulsion. It was an international event attracting membership from across the globe. Now our annual gathering has gone through a metamorphosis of its own. In 2022, following the Convention we undertook a comprehensive review of the event, consulted with members, exhibitors, other stakeholders, and a few short months later the Annual Marine Propulsion Expo was born. On behalf of the Board of Directors, I want to welcome you to this revitalized reboot of the Convention, and I truly hope you will find the revamped event a great member to member networking, educational, vendor contact and consumer-oriented event. This year's Expo promises to be a hallmark occasion here in Fort Lauderdale, which is known as the Yachting Capital of the World.

Over the next few days, you will have the opportunity to engage with international and US-based exhibitors showcasing the latest advancements in propeller/propulsion systems, products, services and some of the latest scanning technologies. We are honored to host distinguished speakers and thought leaders who will share their insights during keynote sessions and educational discussions. These thought-provoking conversations will delve into the challenges and opportunities facing the marine industry, offering a glimpse into the strategies and innovations shaping its future.

This year we have added the NMPA Awards and I'm honored to be able to announce that we will be recognizing Jimmie Harrison of Frank & Jimmie's Propeller and Gary Linden of Linden Propellers with NMPA Founders Awards, given for distinguished service to the NMPA; while Yon & Mike Meyer of Pesco Co. will receive the NMPA President's Award of Excellence for their demonstrated strong work ethic, commitment to excellence and impactful service to the propeller repair industry. Please join me and the Board of Directors in congratulating these very deserving award recipients.

Of course, as is customary for NMPA, we will also have some fun along the way with social events that I hope you will attend. Fort Lauderdale is no Vegas, but it has a lot to offer from beautiful weather to a boating lifestyle and fantastic waterways, to great restaurants and more. Let's have some fun and make this Annual Marine Propulsion Expo a memorable one.

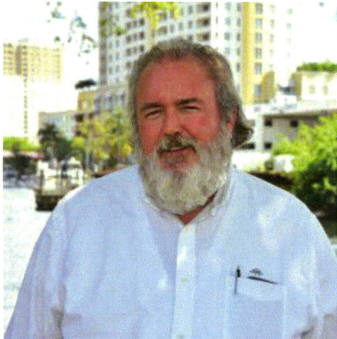
Sincerely,



A handwritten signature in black ink that reads "Mike James".

KEYNOTE SPEAKER INTRODUCTIONS

PHIL PURCELL



Prior to MIA SF, Phil Purcell was a partner and held senior management positions with Westport Shipyard of Washington State, the largest yacht builder in North America. During his tenure, Westport grew from a small company to a leader in the industry within the United States and internationally.

Phil brings a unique perspective to the marine industry, having traveled extensively around the globe. Embracing other cultures and working in emerging markets has allowed him to be engaged in the international marine business and implement collaborative processes to grow opportunities, research, and new ideas. Phil's vision is to leverage his experience, knowledge, and personal relationships with industry and educational leaders for the betterment of the region.

In 2023, Phil was once again named one of the most influential business leaders in the "Florida 500", a list produced and published by Florida Trend, which has been the authoritative voice of business, news, information and insight for Florida's business leaders for more than 60 years.

GREG SHARROW



Greg Sharrow is the Cofounder, CEO and President of Sharrow Engineering and Sharrow Marine, and the visionary behind the groundbreaking Sharrow™ Propeller. The original inspiration for the idea came from Greg's desire to eliminate unwanted noise that comes from drone blades. By dramatically reducing or eliminating tip vortices, Greg

was able to reduce the noise that is produced by propellers, when compared to conventional blades.

During the R&D and design process, Greg discovered many other advantages for the Sharrow™ Propeller and it has since been recognized as the first major innovation in propeller technology since the 1830s. The Sharrow MX™ was selected as one of TIME's Best Inventions of 2023, and is the winner of the 2022 Marine Power Innovation Award from Boating magazine, and the 2020 Miami International Boat Show Innovation Award.

Today, Sharrow Engineering holds over 125 patents worldwide. The propellers are machined in the U.S. by a team of world-class engineers in the Detroit area.

Agenda: Thursday, December 7th

6:00pm – 9:00pm	Industry Welcome Reception (Venue: Boatyard 1555 SE 17th Street, Fort Lauderdale, FL 33316) <ul style="list-style-type: none"> • President's Welcome and Event Schedule • Sponsor and Exhibitor recognition • Cocktails and Networking
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Agenda: Friday, December 8th

8:00am - 10:00am	NMPA President's Industry Breakfast – Palm B Ballroom, 2nd Floor, <ul style="list-style-type: none"> • President's Welcome Remarks • Keynote Address-1 - Phil Purcell, President/CEO, Marine Industries Association of South Florida • Keynote Address-2 - Greg Sharrow, President, Sharrow Marine
10:00am - 10:15am	Break
10:15am - 11:00am	Session 1: HOW PROPELLERS GENERATE NOISE AND VIBRATION [ROOM # 208]
	<p>This presentation is intended to be a “practical primer” about propeller-generated noise and vibration – the not-so-hidden consequence of the useful forces that push and maneuver a boat. Propellers are just one player in the three-part harmony that make up the “hydroacoustic” system of Formation-Transmission-Response. Join HydroComp's Jonas Armstrong for an introduction into how propellers generate noise and vibration, the mechanisms of noise transmission and response, and some suggestions for mitigation.</p> <p>PRESENTER: JONAS ARMSTRONG, NAVAL ARCHITECT, HYDROCOMP, INC.</p>
11:00am - 11:15am	Break
11:15am – 12:00pm	Session 2: HIGH SPEED VIBRATION, LEAKING SHAFT SEALS, AND PREMATURE CUTLESS BEARING WEAR: IS THERE AN OVERLOOKED COMMON DENOMINATOR? [ROOM # 208]
	<p>Boaters, boat repairers, propeller and propulsion systems professionals alike have encountered high speed vibration, leaking shaft seals, and premature cutless bearing wear. While sometime the reason and the problem are clear, there may be an underlying common cause to these problems that is being overlooked. This presentation will consider the possibility of a common denominator that may be being overlooked and the solutions professionals should be ready to use.</p> <p>PRESENTER: JONATHAN LUCCO, VP, ISOFLEX TECHNOLOGIES INTERNATIONAL</p>
12:00pm – 1:15pm	Lunch
1:15pm – 2:00pm	Session 3: TECHNOLOGY, A FALSE SENSE OF SEAWORTHINESS, OR A FORMULA FOR EXPENSIVE FAILURES? [ROOM # 208]
	<p>Two decades ago, a 35-foot center console boat, priced under \$100,000, was considered substantial. If damaged, local marine assistance towed it, and repairs, including fresh bottom paint, cost around \$8,000. Today, 45-footers with million-dollar values abound. Despite similarities in accidents, modern boats face harsher judgments. Four experts, including a manufacturer's representative, may declare a total loss, reducing a million-dollar vessel to scrap value. Contemporary boats boast technological sophistication, resembling cars with powerful yet compact propulsion systems. Despite the allure, this complexity raises questions about safety, repairability, and the consequences of malfunctions. This presentation delves into the challenges and concerns surrounding the technology of modern recreational boats, exploring whether technology is a foe or friend, its repairability, and safety after maintenance.</p> <p>PRESENTER: CAPT. CHRISTOPHER KARENTZ / S-E-A LTD., SENIOR MARITIME CONSULTANT</p>
2:00pm - 2:15pm	Break
2:15pm – 3:00pm	Session 4: COMPARING VESSEL PERFORMANCE USING DATA [ROOM # 208]
	<p>This session will briefly delve into the history of cupping propellers and examine the purpose, effects on performance and methods of measuring the cup. You'll hear the pros perspective on modifying and quantifying propeller cup and what tools are needed to get it right. Learn about feathering and use of new technology like Veem Interceptor Strips.</p> <p>PRESENTER: BRYAN R. EMOND, S-E-A LTD., DISCIPLINE LEAD, MARITIME/SENIOR PROJECT ENGINEER</p>

Agenda: Friday, December 8th (cont'd.)

3:15pm – 5:00pm	Session 5: TRUEPROP SOFTWARE COMPUTERIZED PROPELLER INSPECTION [PALM BALLROOM B]
	<p>Join TrueProp Software for a live demonstration of computerized propeller inspection, including new methods to digitally inspect propellers almost anywhere. This interactive seminar includes scanning propellers with digital pitchometers as well as hand-held 3D scanners. TrueProp will guide users through the inspection process to show how damage is identified and how it can be repaired. TrueProp will also be debuting a new to the industry computerized propeller inspection device. This new “kit” based pitchometer system is easy to ship and setup, allowing propeller shops to start running ISO-484 inspections on propellers up to 48 inches. Come get your questions answered and see the latest generation in prop measurement technology!</p>
	PRESENTERS: ADAM KAPLAN, HYDROCOMP/TRUEPROP
5:00pm – 7:00pm	NMPA MARINE INDUSTRY COCKTAIL HOUR & PROPULSION EXPO EXHIBITOR PREVIEW [PALM BALLROOM]

Agenda: Saturday, December 9th

8:00am – 10:00am	<p>Propulsion Expo Awards Breakfast & Annual Meeting</p> <ul style="list-style-type: none"> President’s Welcome Remarks & Association Update NMPA Inaugural Awards Presentations Annual Board of Director Elections
10:00am – 3:00pm	Expo Consumer Day
10:00am – 3:00pm	SHARROW MARINE DEMONSTRATION BOAT RIDES (RSVP REQUIRED)
	<p>Sharrow Marine will showcase their Sharrow Propeller in action, on the water, for registered attendees to experience. Demos will take place on Saturday and Sunday and are available only through reservations. There are multiple vessels and times available, and each boat ride will accommodate a maximum of six people.</p>
3:00pm – 5:00pm	<p>Field Trip: FRANK & JIMMIE’S PROPELLER SHOP TOUR</p> <p>FJ Propeller has one of the largest repair facilities in our business where the luxury yacht market requires high quality repairs & modifications to be performed. Our shop layout and equipment allow us to process efficiently a high volume of work to demanding quality levels. Demonstration of how we have developed and utilize non-contact, 3D scanning technology into our business. Refreshments to follow tour hosted by FJ Propeller and PropSpeed. <i>A special thank you to Frank and Jimmies for opening up their shop to Expo attendees to tour, for product demonstration and networking.</i></p>

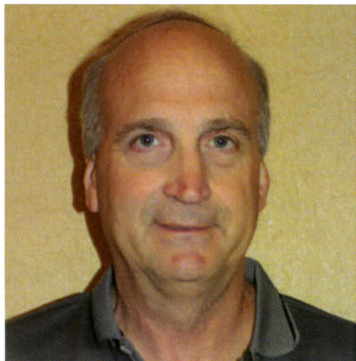
Agenda: Sunday, December 10th

10:00am – 3:00pm	Expo Consumer Day
10:00am – 3:00pm	SHARROW MARINE DEMONSTRATION BOAT RIDES (RSVP REQUIRED)
	<p>Sharrow Marine will showcase their Sharrow Propeller in action, on the water, for registered attendees to experience. Demos will take place Saturday and Sunday and are available only through reservations. There are multiple vessels and times available and each boat ride will accommodate a maximum of six people.</p>

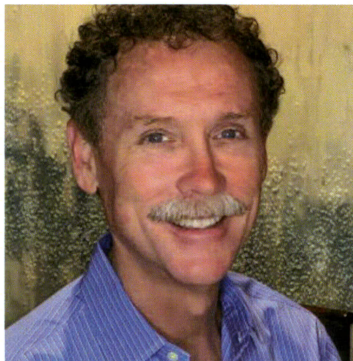
INAUGURAL NMPA FOUNDERS AWARDS AND PRESIDENT'S AWARD OF EXCELLENCE RECOGNIZES THE SIGNIFICANT CONTRIBUTIONS OF LONG TIME ASSOCIATION MEMBERS

Exciting news from the NMPA Board of Directors this year! As part of the revitalization of the annual member event now rebranded the Annual Marine Propulsion Expo, the Board is spearheading the initiative launch of a special awards program that will shine a spotlight on the fantastic contributions and achievements within the marine propulsion community.

The first of the new Annual Marine Propulsion Awards is the **NMPA Founders Award**, designed to honor individuals who have rendered distinguished service to the NMPA and the broader industry community. This year's recipients are Gary Linden of Linden Propeller Co. in Dubuque, Iowa, and Jimmie Harrison of Frank and Jimmies Propeller Shop in Fort Lauderdale, FL.



Gary Linden
Linden Propeller



Jimmie Harrison
Frank & Jimmie's Propeller

Gary Linden, Founder and President of Linden Propeller Co. in Dubuque, Iowa, has led the company since its establishment in 1983, overseeing its consistent growth. With a dedicated team of experienced propeller technicians, Linden Propeller Co. prioritizes superior customer service, seasoned technical expertise, and the delivery of high-quality products with a commitment to timely turnarounds. Specializing in inboard and outboard propeller repair, handling various alloys, the company also provides True Prop Software Scanning, consultation, and repairs. Gary Linden, with over 40 years of boat maintenance experience, is recognized as an icon in the propeller business. Serving three consecutive terms as President of the National Marine Propeller Association, he remains dedicated to staying at the forefront of propulsion technology. Linden Propeller Co. is a major distributor of top-quality products and maintains a vast inventory of both new and reconditioned propellers. Utilizing advanced technology like the Linden DDS Scan Arm and Prop Press 360, the company ensures precise three-dimensional analysis and correction of propellers. With established partnerships nationwide, Linden Propeller Co. addresses issues for clients where ever they are located. As a charter member actively involved in the National Marine Propeller Association, Gary Linden emphasizes long-term customer relationships and unwavering commitment to excellence, ensuring promises on job completion dates are upheld with a dedicated crew.

ANNUAL MARINE PROPULSION EXPO

Jimmie Harrison is a native of Fort Lauderdale and has been the owner of Frank & Jimmie's Propeller in Fort Lauderdale since 1991, taking over from the original founders, his father HVJ "Jimmie" Harrison and his partner Frank Baron. He is currently Chairman of the Board of the Marine Industries Association of South Florida and a recipient of the 2015 MIAASF Award of Excellence.

As a teenager in 1973, Jimmie began working at Frank & Jimmie's after school and during the summers. Since becoming owner, he has grown the company, adding locations in: Miami, The Dominican Republic, Puerto Rico, Nassau, Venezuela, and Colombia. He is a founding partner of Neptune Boat Lifts, which manufactures boat lifts in Fort Lauderdale, and Neptune Atlantic Boat Lifts, a sales, installation, and service company in Key Largo.

Jimmie served as Past President of the National Marine Propeller Association for four terms and is a past Chairman of the City of Fort Lauderdale's Marine Advisory Board. He has actively sponsored and/or supported numerous NMPA and local Fort Lauderdale events and led the conceptualization of the "Design, Build, and Race Your Propeller" events at NMPA Conventions and at local high schools and MIAASF events, with the goal of introducing youth the marine industry and to careers in the propeller industry. An avid boater and offshore racer, Jimmie is the current National and World Champion in the Super Stock class.

The second Annual Marine Propulsion Expo Award is the **NMPA President's Award of Excellence**, a nod to individuals and companies who've shown a strong work ethic, dedication to service, and exceptional performance in the propeller and marine service and repair industry. Think dedication, leadership, innovation, and industry impact. Hats off to this year's awardees, Mike and Yon Meyer of Pesco, Inc. in North Charleston, South Carolina. Their outstanding work sets the bar high for the entire industry!

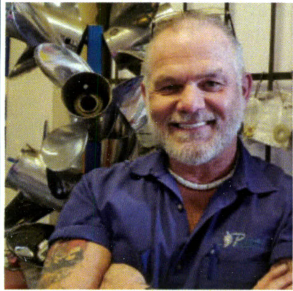


From R - L: Yon Meyer, Mike Meyer and Joycelyn Meyer PESCO. Inc.

Founded in 1988 in Charleston, South Carolina, PESCO Inc. stands as a pioneering force in the propeller repair equipment industry. The company, founded by Michael Meyer and Yon

FIVE CANDIDATES NOMINATED FOR 23 - 24 BOARD

In accordance with the NMPA By-Laws, the Board appointed Nominating Committee has presented the slate of candidates below for the 2023 - 2024 Elections. The candidates vying for election or re-election to Officer or Board of Director positions will be voted on by the membership during the Annual Meeting on Saturday, December 9th at Annual Marine Propulsion Expo. Results will be announced following voting at the Annual Meeting and in a post-Expo edition of the NMPA E-news.



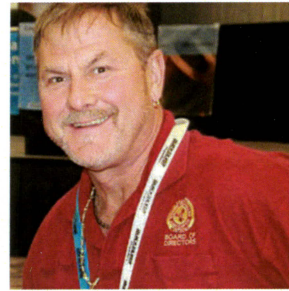
Vice President Candidate
Stew Foster,
Prop Masters Inc.,
Airdrie, Alberta, Canada



Treasurer/Secretary
Candidate
Brian Cann,
Henry H. Smith Co.,
Algonac, Michigan



Director Candidate
George Peter,
Cool Breeze Marine
Osage Beach, Missouri



Director Candidate
Darren Prouty,
Precision Propeller
Spokane, Washington



Director Candidate
Greg Sharrow,
Sharrow Marine
St. Clair Shores, Michigan

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Meyer has been committed to creating user-friendly equipment that streamlines propeller repair processes, eliminating wasted time and effort.

Michael Meyer, a graduate of the General Motors Institute (now Kettering University), earned his Bachelor of Science Degree in Automotive Mechanical Engineering in 1977. Yon Meyer, on the other hand, graduated from Charleston Southern University in 2001 with a Bachelor of Science degree in Computer Science and Math.

The Meyer family's achievements extend to their daughter, Jocelyn, who graduated from UNC-Chapel Hill in North Carolina in 2011 with a major in Biology and minors in Spanish & Anthropology. Jocelyn completed her MD and MBA at UNC-Medical School in May 2017, concluding her residency in Seattle, Washington, in June 2021. Currently, she is pursuing a Fellowship at Stanford in California, marking an impressive journey in the medical field.

Pesco throughout the years has been a regular exhibitor at the NMPA Annual Convention, with Mike serving as a speaker during the educational sessions, and Yon and Joycelyn meeting with their NMPA customers on the Convention Exhibit Floor. As a speaker, Mike's knowledge and perspectives were always popular at Convention and his session both informative and entertaining. Mike was also a regular writer in the NMPA newsletter The Leading Edge, sharing unique ideas and suggestions that all had the same theme, which was to improve the skills, knowledge and professionalism of NMPA members.

PESCO Inc. is renowned for offering pitch blocks catering to a wide range of propellers, including those from ACME, Bombardier Evinrude/Johnson, Dymex, Honda, Mercury Marine, Mercruiser, Zeus Drive, Michigan Wheel, OJ, Solas, Suzuki, Turbo/Stiletto, Volvo Penta, and Yamaha. The company's commitment to innovation and excellence is reflected in its comprehensive range of offerings, contributing to its success in the industry.



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