

NAMBA INTERNATIONAL PROPWASH

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President's Message

By Richard Romero
NAMBA President

As 2025 comes to a close, it's a great time to reflect on what has truly been another successful year for NAMBA and our members. Together, we've continued to strengthen our community, grow our events, and advance the hobby we all love.

Our Rules Committee, led by Tracy Osborne, has been hard at work meeting monthly to improve and update our rulebook. This year alone, they produced more than one hundred pages of updates, an incredible accomplishment that helps guide the future of NAMBA. I want to thank Tracy and the committee for their time, dedication, and leadership in shaping the growth of our hobby.

The NAMBA Board of Directors has also been meeting monthly, sharing ideas, planning future events, and exploring potential race sites. The teamwork and camaraderie built over the past couple of years have been remarkable, and the knowledge shared in these meetings has been invaluable. A special thank you goes to Eric and Kelly Canto for their ongoing efforts in ensuring these meetings remain productive and impactful.

By the time you read this, more than one hundred and twenty NAMBA members will have gathered at Sarno Lake in Melbourne, Florida, for the 2025 NAMBA Nationals, hosted by NAMBA District 3 and the Space Coast Rudder Busters. This year's Nationals mark an exciting milestone as the first to fully use the NAMBA RES system. From our merchandise store and QR-coded badges to the new audio/video clock and podium program, RES has streamlined the racing experience like never before. The podium program now automatically lists heat winners and allows the top three finishers to enter equipment information directly via tablet, saving time and preventing missing details. These tools, along with badge printing and the audio/video clock, are now permanent parts of the RES system.

I want to personally thank David Santistevan for his outstanding efforts and innovation. His work has truly been a game-changer for NAMBA and its members. This year's Nationals also featured the Alligator Alley test pond, giving competitors another resource to fine-tune their setups, one more reason attending Nationals is always a great experience. The Nationals Committee worked tirelessly for over a year, meeting multiple times per month to prepare for this event. It has been an honor to work alongside such dedicated individuals, and I know their efforts have created another unforgettable Nationals. I look forward to sharing more about the event in the next issue of the *Propwash*.

As 2025 is also an election year, members are voting for NAMBA President, Vice President, and District Directors in odd-numbered districts. I'd like to thank everyone who has stepped forward to serve in these roles. Your leadership and commitment

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ensure NAMBA remains the premier RC boating association in the country.

Looking ahead, District 8 will host the 2026 NAMBA Nationals from July 18–25 at Columbia Park in Kennewick, Washington. These Nationals will run alongside the H1 Unlimited Hydroplane Races during the Tri-City Water Follies, offering members an incredible opportunity to showcase our hobby on a grand stage.

To make hosting Nationals more accessible, NAMBA is also working to establish a permanent Nationals Committee. This committee will help districts that may not have the resources or vendor connections to organize the event on their own. By offering this support, we can continue moving Nationals across the country, ensuring more members can participate in our premier event.

Looking into 2026 and beyond, the future of NAMBA looks bright. We will continue working closely with clubs, districts, and committees to provide the tools needed to attract new members while supporting and retaining current ones. With Kelly Canto now serving as NAMBA's Social Media Chairperson, I am confident we have the right person to expand our outreach and promote our hobby nationally. In addition, our NAMBA storefront will be finalized in 2026, allowing members to order merchandise that represents both NAMBA and RC boating with pride.

As we reflect on 2025, I hope it has been a year filled with great memories, fun, and friendships on and off the water. Let us also take a moment to remember the members who are no longer with us, whose contributions helped shape the hobby we cherish today.

I wish you all continued success, good health, and good luck on the water. I look forward to seeing you at the pond!

Summer Safety Corner

By Lohring Miller
NAMBA Safety Chairperson

Even though we are well into the racing season, a few safety reminders are still relevant. Most of the country has been very hot and sunny this year. Sunburn is common. Use a suitable sunscreen. Hats and body coverings are even better. Heat related problems are serious. Prevention takes covering up, standing in the shade, and drinking lots of water or similar liquids.

The signs of heat exhaustion:

- Feeling faint or dizzy
- Heavy sweating
- Fast, weak pulse
- Nausea or vomiting
- Cold, pale, clammy skin
- Muscle cramps

If any of these are observed, get in a cool shelter and drink lots of water. Call 911 if the condition progresses.

The signs of heatstroke include:

- A body temperature above 103 degrees
- Red, hot, dry or damp skin
- Fast, strong pulse
- Headache
- Nausea or vomiting.
- Losing consciousness

If any of these conditions are observed call 911 and try to cool the person with cold water or ice.

Use caution when launching and retrieving boats. Look at the course for oncoming traffic. The person pictured below could have used a little more care.



Fires pose another potential for serious injury. Familiarity as well as proper charging with modern battery chargers has largely eliminated lithium polymer battery fires. Lots of water to cool the battery or sand to smother the fire is the proper response if one happens. Gasoline is much more flammable than methanol and nitromethane. Please be very careful around gasoline cans and don't smoke around either gasoline or other fuel. Use the right dry chemical extinguisher for a gasoline fire. Since gasoline floats, water will only spread a gasoline fire.

Save the adult beverages for after the racing. Be especially careful when celebrating with these guys.



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October 2025

It's easy to keep model boating a safe hobby. We all know how. Just keep reminding others when they have a lapse in judgment. It's everyone's job. Unlike this guy, keep your mind open.



Spring Proposal Voting

Back in April of 2025, the membership voted on two proposals.

- 1. Superboat Rules for Gas.
- 2. Modifications to the G Class engines in Section 27 of the NAMBA rule book.

Both have passed and you can view the rule book updates on the NAMBA web site.

25.8 % of the NAMBA membership voted with 88.1% of those who voted, were in favor of the passing of the two proposals.

If you run Gas powered boats, it would be to your best interest to follow up on the latest rule changes.



2026 NAMBA Nationals. Read on for more information ...

In Memory of ...

In April of this year we lost long time NAMBA member Greg Hill. Greg had been a NAMBA member since 1983 and resided in District 19 however he raced all over the country at the NAMBA Nationals and even showed the Aussies a few things about model boats while residing over there for a number of years.

Greg was most well known for his expertise with nitro engines and teaming up at the races with his son Justin Hill . However, it was Gregs' wife Sue Hill who held the family race team together as members of the Scottsdale Model Models who were the go to group traveling to races together and providing the social activities many members in District 19 enjoyed.

In July of this year, there was a Celebration of Life in honor of Greg in Prescott, Arizona. Of course it would not have been complete unless we also included honoring Justin Hill.

Raise a toast to the Captains!



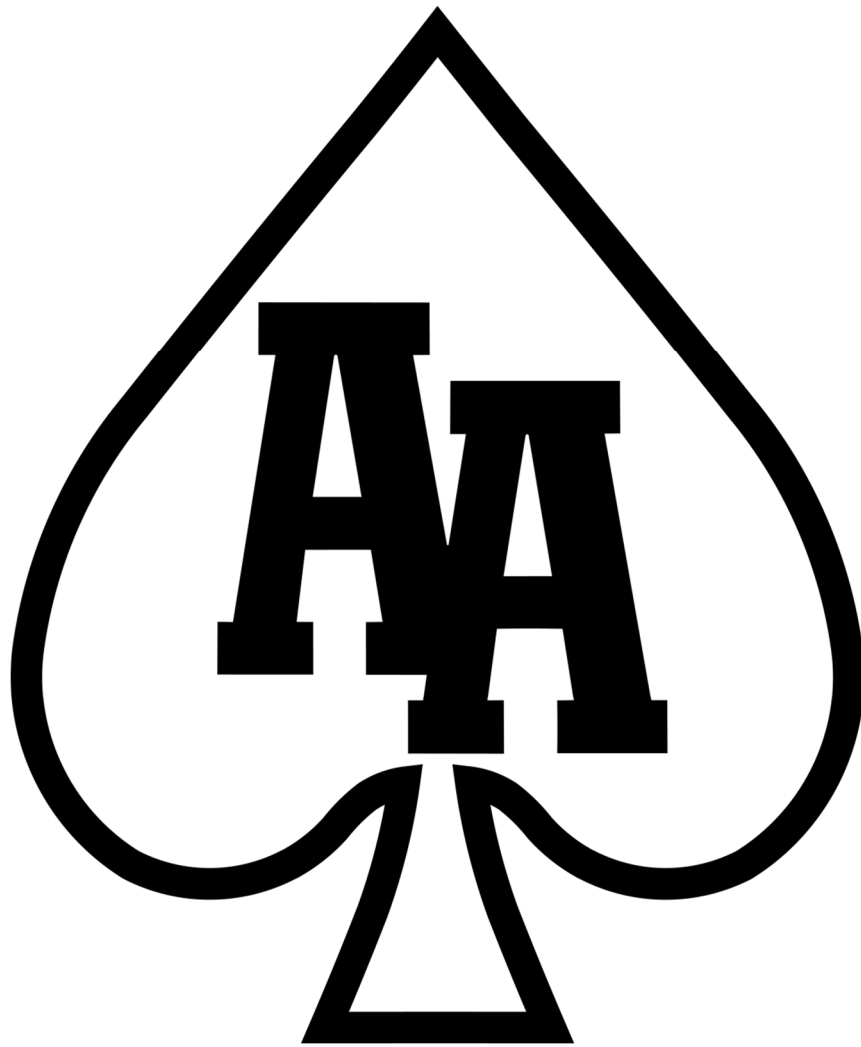
Many attended Greg Hill's Celebration of Life. This picture is a small sample size of the number of model boaters who traveled from Arizona, California, Colorado, and Montana.

Propwash Advertising Rates

- Classified Ad - \$10.00
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Please call the NAMBA office at (760) 522-9138 for more information or for special advertising requests.



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News From District 7

By John Borden

NAMBA District 7 Director

2025 has been a fantastic year for racing. We have been to San Antonio and Dallas, Texas and Lake El Reno, Oklahoma. It looks like we will be back in San Angelo, Texas in next year. We are looking at seven to eight races for 2026.

District 17 hosted a race in El Reno, Oklahoma. The race sight is fantastic. We had members from District 19 come over to play and help put on the event. I would like to thank all of the members of District 7, District 17, and District 19 for helping. We could not have put this race on without all of the help.

For their first race it went off well and next years will be bigger and even better.

Check out all the photos on the District 17 Facebook page: <https://www.facebook.com/profile.php?id=61572411433535> and the OKC (Oklahoma City RC Powerboaters) at <https://www.facebook.com/profile.php?id=61572530287751>



A view of the hot pits with a beautiful back drop of the race site.



This was special as Dale Roberts drove the Don Wahe's boat, Matt Baker with Wendall Barrow's, and Oscar Love with Jerry Wright's. Dale and Matt tide for first place and Oscar second place. It was a good memory seeing the boats out on the water racing in memory of District 7 members who had passed.



Scott Hamilton with his first win in Classic Thunderboat. David Baker in second and Brandon Borden in third place.

NAMBA District 7 Heart Of Texas Model Boat Club

Fast Electric racing on the first and third Saturdays of the month in Katy, Texas. Lots of racing videos on their Facebook page. <https://www.facebook.com/groups/330511467426467>



North Texas Battle Group:

<https://www.facebook.com/groups/215805551939828>

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A 3D printed RC Combat ship made its way to the pond and worked very well.



By David Santistevan
NAMBA IT Chairman

Getting the Most Out of RES at This Year's Nationals

The 2025 NAMBA Nationals will mark the first time the event is fully powered by the NAMBA Race Entry System (RES) — from the moment you register to the final checkered flag. RES was designed to modernize race management, and this year's Nationals will showcase just how much easier it makes life for both drivers and contest directors. Here's how to get the most out of RES throughout the week.

Stay on Top of Your Schedule with MyFeed

Drivers will no longer need to chase down paper printouts or listen for class calls over the PA.

With MyFeed, every driver gets a personalized schedule right on their phone, showing their classes, heat orders, and standings in real time. MyFeed also allows drivers to scratch themselves from heats without having to track down the CD.

Follow the Action with LiveFeed

Whether you're a competitor, spectator, or pit crew, LiveFeed keeps everyone connected to the race. Accessible from any web browser, LiveFeed displays live scores, current heat progress, and standings. At Nationals, it will also be running in Kiosk Mode on big screens around the site so the whole crowd can follow the action.

Smarter Event Check-Ins

This year's name tags come with built-in barcodes linked to RES. Drivers who purchased tickets for social events like the Welcome Dinner, Paddle Boat Race, or Awards Banquet will simply scan their badge for fast, paperless entry. This is just the start of what RES will bring to event access and member validation in the future.

Seamless Race Operations

Behind the scenes, RES is helping contest directors keep Nationals running smoothly. From heat setup and scoring to tracking scratches and resolving issues, the system reduces manual work and ensures accurate, transparent results. The time saved on paperwork is time given back to racing.

Quick Tips for Using RES at Nationals

- **Download the Latest App**
Just before Nationals begins, make sure you download or update to the latest version of the RES Mobile app from the Apple App Store or Google Play. This ensures you'll have access to all the newest features during the event.
- **Bring Your Phone**
Use MyFeed to check your heats, standings, and schedules anytime.
- **Watch the Screens**
LiveFeed will be running in kiosk mode on big displays around the site so you never miss the action.
- **Keep Your Badge Handy**
Your Nationals name tag includes a barcode. Use it to check in at social events like the Welcome Dinner, Paddle Boat Race, and Awards Banquet.
- **Scratch with Ease**
Can't make a heat? Use MyFeed to scratch yourself directly without chasing down the CD.
- **Need Help?**

David Santistevan and his team will be on-site to help you get started! Look for the Super Sonic Sheldon Hats for help with RES!!

The Future of NAMBA, Here Today

As NAMBA President Richard Romero has said, RES is the future of NAMBA. At this year's Nationals, you'll experience that future first-hand. The best way to get the most out of RES is simple: keep your phone handy, update to the latest app version, use MyFeed to manage your races, check LiveFeed to follow the action, and bring your name tag to every event.

This Nationals isn't just about racing boats — it's about seeing how technology is making our sport smarter, faster, and more connected.

Smart Name Tags

By David Santistevan
NAMBA IT Chairperson

New Look for Nationals: Smart Name Tags Powered by RES

At the 2025 NAMBA Nationals, competitors and attendees will notice something new hanging around their necks, redesigned, feature-rich name tags generated directly from the NAMBA Race Entry System (RES). While they may look like a simple badge at first glance, these name tags are packed with functionality that makes them one of the most useful additions to Nationals in years.

NAMBA Number Front and Center

As required by the NAMBA rulebook, the member's NAMBA number is prominently displayed at the top center of the badge. This makes it easy for race officials and fellow drivers to identify competitors quickly on and off the course.

Personalized Driver Information

Directly beneath the number, each badge highlights the driver's name, along with their city and state. This small detail fosters community by helping participants put names to faces and connect drivers with their regional roots.

Sponsor Recognition

Many badges will proudly display a sponsor designation, such as Platinum Sponsor, right on the tag. This not only gives well deserved recognition to sponsors but also ties them visually into the event experience.

Barcode for Check-Ins and Events

In the bottom corner, each tag features a unique QR/barcode tied to the RES system. At this year's Nationals, it will be used for quick and accurate identification of drivers, as well as check-ins at social events like the Welcome Dinner, Paddle Boat Race, and Awards Banquet.

Future enhancements will allow the barcode to validate NAMBA membership and integrate with other RES-driven race operations.

Official Branding

Each badge also carries the NAMBA International logo, a reminder that the Nationals represent the pinnacle of competition in model boating under NAMBA's proud banner.

Why It Matters

These new RES-generated name tags aren't just about looking sharp; they're about making Nationals run smoother and smarter. From ensuring compliance with NAMBA's numbering rules, to streamlining event check-ins, to recognizing sponsors, these badges are an extension of RES itself: modern, efficient, and built for the future of racing.

So, when you clip on your name tag at Nationals this year, know that you're not just wearing a piece of plastic, you're carrying the next step in NAMBA's evolution.



The 2026 NAMBA Nationals

By Jeff Barnhart
NAMBA District 8 Director



District 8 proudly presents the 2026 NAMBA Nationals celebrating 55 years of premier RC model boating competition! The location will be Columbia Park, Kennewick, Washington at the Columbia Park Family Fishing Pond.

The dates will be Saturday July 18 through Saturday July 25, 2026. Registration will open in February of 2026.

Please join us for the 55th Annual NAMBA Nationals. The nation's premier RC model boat racing event!

Watch top racers from across the country compete for the 2026 National Championships in a week long celebration of speed, skill, and competition.

This milestone event is held in conjunction with the H1 Unlimited Hydroplane Races. Part of the legendary Tri-City Water Follies Columbia Cup!

Event Highlights:

- RC Racing: Saturday, July 18 – Saturday, July 25, 2026
- H1 Unlimited Hydroplane Races: Sunday, July 26, 2026

Come for the boats. Stay for the community. Be a part of RC racing history!

Greetings from District 3!

By Eric Canto
NAMBA District 3 Director

We have had many great races in District 3 since the report in the last Propwash. The Brandon club hosted it's annual "Twin Rigger Shootout" and did a great job as always. Thanks to Ron Drake, Ralph Almirola and the entire Brandon club for continuing this well-attended event.

Next was the Miami points race. The racing and hospitality were fantastic at this race. The Miami club goes above and beyond to make sure every racer is welcomed and has a great time. Woody, Danny, and the entire R.A.M. crew work hard to provide great events for all racers.

The Clermont Water Bandits held the first ever R/C boat race at the new facility they have been building for some time now.

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The site has permanent bathrooms for the racers, a very tall drivers stand, and parking close to the launch area. Despite the heat, everyone enjoyed the race. We look forward to future events at this new race site.

The Space Coast Rudder Busters hosted a one-day race dubbed "The Melbourne Meltdown". The racers were excited to have a race on the same lake that will host this year's NAMBA Nationals. One last chance to hone their "home lake advantage" skills! We appreciate Richie, Francisco, Luis, and all the club members that worked hard to add this event to this year's race season!

I am happy to report that the NAMBA RES has become the gold standard at virtually all District 3 events. Racers and event organizers are enjoying "Racing Re-imagined"! David Santistevan and his team of developers have done a fantastic job in creating this game changing software.

As I am writing this, we have about one month left until the 2025 NAMBA Nationals. The following people comprise the committee for this year's Nationals. Ralph Almirola, Richie Lind, Kelly Canto, Raul Rodriguez, Alan Terry, Richard Romero, Ken Haines, and Al Waters.

Every one of them has put in countless hours in preparation for this epic event. It is inspiring to be involved with a group of highly talented people that seem to have no end to the effort they are willing to put in to better our hobby and NAMBA! From the bottom of my heart, THANK YOU!

Although not officially a committee member, David Santistevan has worked side by side with us to make sure that the RES accommodated the many special requests we had. I appreciate you, David!

In closing, I would like to take a moment to recognize a man who quietly does the work of many all by himself. Ken Haines is the District 3 Assistant Director. Ken is an innovator, and this has been valuable in both his racing and his efforts to advance the hobby. A perfect example of this is the NAMBA standard audio system that Ken researched and perfected.

The system is now being used by the Melbourne, Clermont, and Brandon clubs with great success. I am grateful for everything Ken does for District 3, NAMBA, and the hobby.

If you live outside of District 3, here is your personal invitation to join us. Pick one of our races and sign up! Let us know you are coming, and we will roll out the red carpet to make sure you have a great time.

Go Fast, Turn Right, Have Fun!

NAMBA Records

By Mark Grim

NAMBA Records Chairman

Greetings fellow racers.

NAMBA is now using the new (RES) system for timing of their heat races. Some districts have been using the system for heat races and the times are showing good results.

In April of this year, the Wavemasters RC club from District 9 put on a heat race at Kaiser Cove, Fremont California. On Saturday Alan Terry, NAMBA Gas Chairman laid down a time of 82.02 seconds in G-1 Mono. He has that new Assault mono hauling the mail.

On Sunday Joe Slaney with his Blazer P Sport Hydro turned in a 65.92 second heat. A few heats later, Jesse Alvitre with his Blazer Backlash put down a blazing 62.14 second heat. That is the fastest 6 lap time on the books. Congratulations to everyone at that race.

I am hoping more districts will start keeping more heat racing times so we can get more NAMBA heat racing records.



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The same weekend we were holding NAMBA Time Trials in Huntsville, Alabama. Jim Johnson came down from Virginia and brought his new P Limited Sport Hydro. After a few test runs and prop changes he ran a two way average of 92.78 miles per hour.

Brent Byers drove up from Texas and brought his new design P Sport Hydro. After a little tweeking he made a two way average of 99.60 miles per hour. He later made some passes over 100 but was unable to back them up.

In July we had a one day event however the weather was not in our favor. We did have some unbelievable one way passes from Jim Johnson with his P Limited Tunnel at over 92 miles per hour and his P Sport Hydro running 112 miles per hour.

Bob Londress came out with his brand new G-Limited Catamaran. After a few adjustments and prop changes he had it running really well. In SAW (Straight-A-Way) he ran a two way average of 50.69 miles per hour. And in 2-Lap Oval he started in the 40 second range and kept at it until he drove a really great time of 31.564 seconds.

Our next NAMBA Time Trials will be November 30 and December 1 in Huntsville, Alabama.

Hope to see you there.





Team USA Medals at the 2025 IMBRA Hydro and Offshore World Championships

For many years former NAMBA President Alan Hobbs had been traveling to Europe to participate in the IMBRA Championships. As time has gone by, the USA team of representatives has grown and figured out how to compete running low percentage nitro fuel and db levels of 80 with the sound meter placed at the shoreline. Nothing like what we have been accustomed to in NAMBA.

The event was held in August in Sette Loghi, Italy. It was a banner year for Team USA bringing home five medals.

Pictured above left to right in the back row are Mark Grim the Chief Mechanic, Lucas Mathews-Smith winning Gold, Doug Twaits Jr. winning two Golds, Brad Maglinger winning a Gold and a Bronze medal, and Team USA member Mike Ball.

Front row holding the USA flag is Team Leader William "Buckshot" Shackelford. Not pictured is Team USA Member Ralph Almirola.

A well deserved congratulations go to Team USA as they represented very well the United States and model boaters everywhere with their success.



When traveling to the Las Vegas race you can always find large groups of racers having dinner together

Here are our current class leaders:

- ♦ G-1 Mono – Ron Fassl Jr.
- ♦ G-1 Catamaran – Ron Fassl Jr.
- ♦ G-1 Sport Hydro – Brent Shoup
- ♦ G-1 Outrigger – Steve Lopez
- ♦ G-1 Crackerbox – Tom Cinquegrani
- ♦ Sportsman Mono – Mark Rehling
- ♦ G-Ltd Catamaran – Richard Romero
- ♦ Jersey Skiff – Lenny Blake
- ♦ Classic Thunderboat – Steve Lopez
- ♦ GX Twin Outrigger – Russ Stark
- ♦ GX-2 Mono – Ron Fassl Jr.
- ♦ GX-2 Catamaran – Michael Cinquegrani
- ♦ GX-2 Sport Hydro – Rylee Hilton
- ♦ GX-2 Outrigger – Ron Fassl Jr.
- ♦ GX-2 Crackerbox – Tom Cinquegrani
- ♦ G-Ltd Mono – Cole Forrest

And a big congratulations to our 2025 rookies: **Camden S., Carson S., Noah R., Mason W., Kaiden W., and Hudson T.** It's inspiring to see new faces joining the District 19 family and making their mark.

This season also brought us some exciting firsts. We celebrated two first-time winners, Jason Wade, who earned his win in Lake Havasu, and Chris Meeler, who made a stunning debut in Tucson by taking first place in Sportsman Mono in his very first race. Chris has since caught the RC boating bug, adding to his fleet, traveling to Legg Lake in Los Angeles, and already making plans to follow district racing in 2026. That's the spirit we love to see!

Our largest race of 2025 was the **Kim Grim Memorial** at Legg Lake, where we saw an incredible **214 boats** in attendance. This event, hosted by the Amigos-Rebel Racing Team, was a special tribute to Hall of Fame member Kim Grim. A heartfelt thank you goes out to Schlene Boundy, Sean Boundy, and Mark Grim for organizing such a meaningful memorial. In true Kim fashion, Saturday featured a wonderful potluck lunch that brought everyone together and reminded us of the community spirit she always fostered.

Another highlight was the long-awaited return to Mission Bay in beautiful San Diego. Thanks to the hard work of our Co-Contest Directors, Bill Bridge and Jim Osborne, along with Al Waters and

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News From 19

Richard Romero
NAMBA District 19 Director

As 2025 winds down, I'm excited to reflect on another outstanding year for District 19.

For the third year in a row, we've held strong at 255 members, and our boat counts continue to grow. With two races still to go, we're averaging 176 boats per race, up from 166 in 2024 and 145 in 2023. The numbers speak for themselves: D19 is moving in the right direction.

By the time you read this, some of us will be in Melbourne, Florida, enjoying the NAMBA Nationals hosted by District 3 and the Space Coast Rudder Busters. When we return, our season will wrap up with the final race of 2025 in Tucson, Arizona. This double-points event will be our last District Benefit race of the year and promises to be an exciting showdown, with most class championships to be decided.



Richard Van Leuven can be seen at District 19 and 20 races. Follow him on You Tube at "Utah As We See It".

the San Diego Argonauts, the event was a fantastic success. From overnight parking arrangements to flawless race setup, Bill and the team went above and beyond. The Argonauts kept everyone well-fed with lunches both days, and Bill and Al treated us to a top-notch burgundy and peppercorn tri-tip dinner with all the sides. Add in the perfect weather, and it made for a weekend we won't soon forget. We're already looking forward to heading back to San Diego in 2026.

While we didn't make it to Phoenix, Arizona this year, our NAMBA Nationals overlapped with the Rum Racing Team's annual dates. We hope to return to Kiwanis Park in 2026.

This year's races would not have been possible without the hard work and dedication of our hosting clubs. To each of you, we extend our deepest gratitude:

London Bridge Model Boat Club
Loose Cannons Racing
Tucson Model Boat Club
Sin City Racing
Amigos / Rebel Racing
San Diego Argonauts / Scottsdale Model Boaters
Outlaw Racing

Your time, effort, and passion make these events possible, and we truly appreciate everything you do to keep our district racing strong.

As we celebrate this season's successes, I want to take a moment to acknowledge something important: none of this would be possible without the dedicated volunteers who organize and run our events. Whether you're attending a local

club race, a district race, or a NAMBA national event, remember the countless hours of effort these individuals give behind the scenes. Please take a moment to thank them and let them know how much their hard work means.

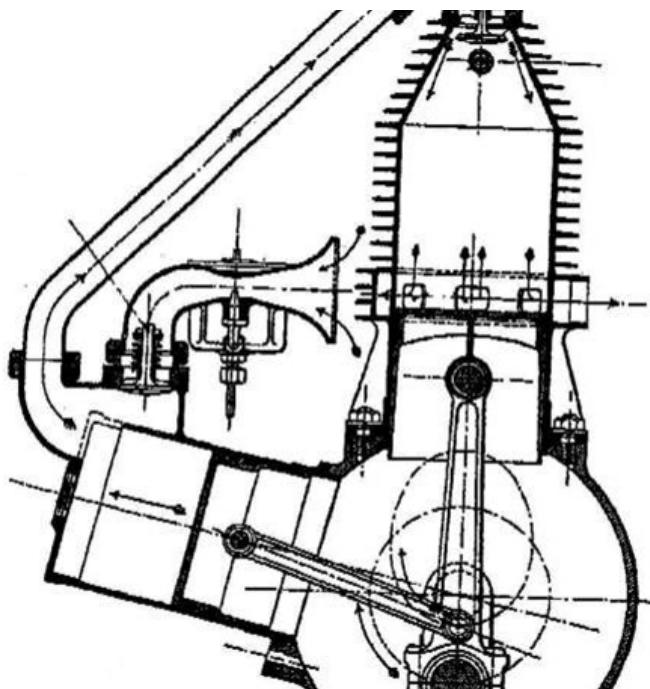
I'm looking forward to closing out the year with all of you in Laughlin, Nevada for our year-end banquet this December. Until then, good luck, safe racing, and I'll see you on the water!

Gas Engines Part 1

By Lohring Miller
NAMBA Safety Chairman

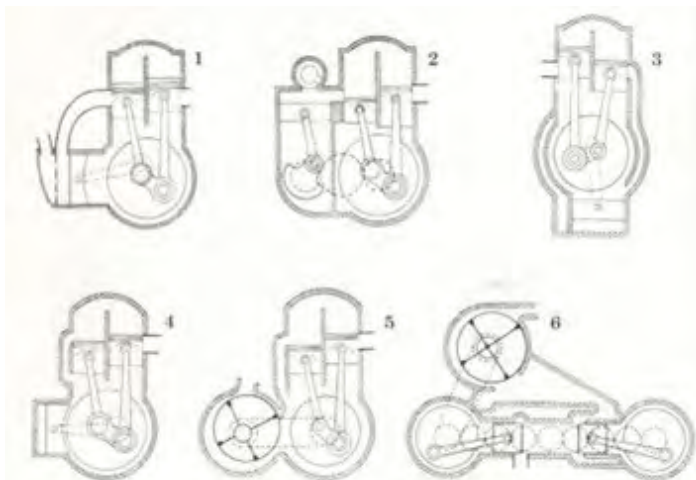
Gas power dominates our racing today. These articles will be a review of what it takes to build a race winning engine. First some history and basic two stroke principles.

Two stroke engines have fascinated engineers since they were invented by Dugald Clerk in 1881. The promise of one power stroke per revolution was counter acted by the need to charge the cylinder with an outside system. Many elaborate schemes have been devised to solve this problem. DKW motorcycle engines illustrate successful, but complex, approaches to the problem. There is another way. In 1889 Joseph Day invented a valveless, two stroke engine that used the crankcase as the scavenging pump. This engine was largely overlooked for high power and was used where low cost, light weight, and simplicity were critical. Outboard engines, chain saws, and inexpensive motorcycles were some of the main applications. However, in the ruins of East Germany after World War II, this simple engine was reborn.



Clerks Engine

The East German government was interested in proving the superiority of their sportsmen and, in 1953, promoted Walter Kaaden to head of the racing department of MZ (Motorradwerk Zschopau) motorcycles in East Germany. Kaaden was forced to build simple engines because his factory had been looted and only had very limited resources. However, he had the rich, German two stroke history (his father was a chauffeur at the DKW factory) and he had worked as an engineer on the V 1 cruise missile. The government "suggested" that Daniel



DKW Engines

Zimmerman share his disk valve design and Kaaden applied it along with the scavenging system developed in 1926 by Adolf Schnürle to the crankcase scavenged engine. He experimented with the tuned exhaust system developed in 1951 by Erich Wolf at DKW. Kaaden understood the wave nature of two strokes, and he used oscilloscopes to study the wave action in the exhaust.

In 1954 he had simple crankcase pump induction engines producing 100 horsepower per liter. By 1961 his engines were producing twice that power. That year Ernst Degner, the champion factory rider, defected to the West and took the MZ engine designs to Suzuki. He won the 50 cc world championship the next year and the Japanese two strokes dominated motorcycle racing for the rest of the decade.

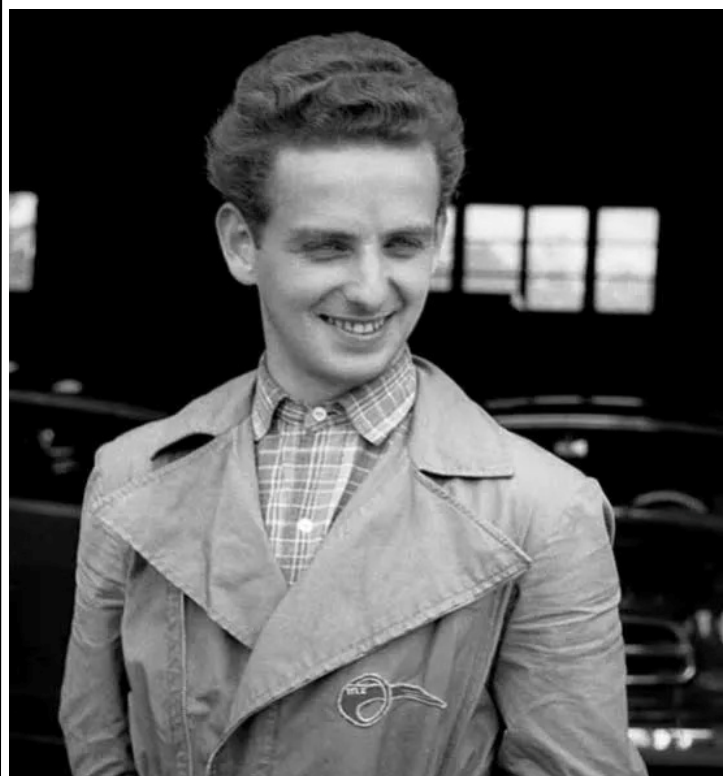
Eventually the East German government was interested in proving the superiority of their sportsmen and, in 1953, promoted Walter Kaaden to head of the racing department of MZ (Motorradwerk Zschopau) motorcycles in East Germany. Kaaden was forced to build simple engines because his factory had been looted and only had very limited resources. However, he had the rich, German two stroke history (his father was a chauffeur at the DKW factory) and he had worked as an engineer on the V 1 cruise missile.

The government “suggested” that Daniel Zimmerman share his disk valve design and Kaaden applied it along with the scavenging system developed in 1926 by Adolf Schnürle to the crankcase scavenged engine. He experimented with the tuned exhaust system developed in 1951 by Erich Wolf at DKW. Kaaden understood the wave nature of two strokes, and he used oscilloscopes to study the wave action in the exhaust. In 1954 he had simple crankcase pump induction engines producing 100 horsepower per liter. By 1961 his engines were producing twice that power. That year Ernst Degner, the champion factory rider, defected to the West and took the MZ engine designs to Suzuki. He won the 50 cc world championship the next year and the Japanese two strokes dominated motorcycle racing for the rest of the decade.

Eventually Suzuki 50 cc, 2 cylinder two strokes developed 17.5 hp at 17,300 rpm or 350 hp per liter. Their outlawed 3 cylinder, 50 cc RP8 developed 19 hp at 20,000 rpm.



Walter Kaaden



Ernst Degner

One of the big problems in a two stroke is getting the exhaust out and the new mixture in. A four stroke uses a full stroke of the piston as a positive pump to do this for both the intake and exhaust. The two stroke depends on pressure differences to do this in less than ½ of the piston stroke. In the Late 1960s and 1970s Dr. Gordon Blair at the Queens University in Belfast did a test program for Yamaha on two stroke design. Like Kaaden, he understood that flow in an engine was caused by the resonate effects between the various engine parts.

(Continued on next page)

He used this to develop a computer power prediction program. A refined version of this program is available as EngMod2T. He also developed a method to test scavenging efficiency. From this and dyno testing he found the scavenging effectiveness of various transfer passage shapes. The best (cylinder 14) and worst (cylinder 12) of these are shown below. These days even better designs have been developed.

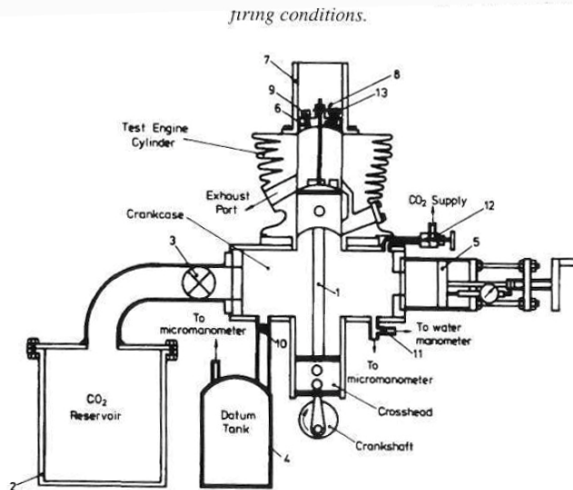
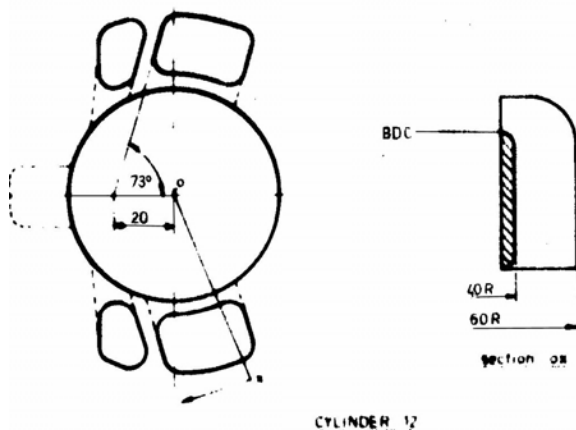
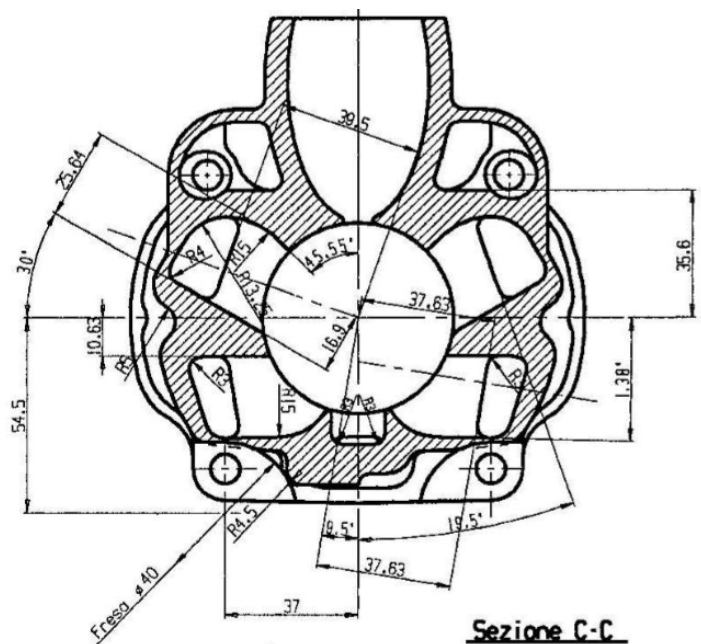
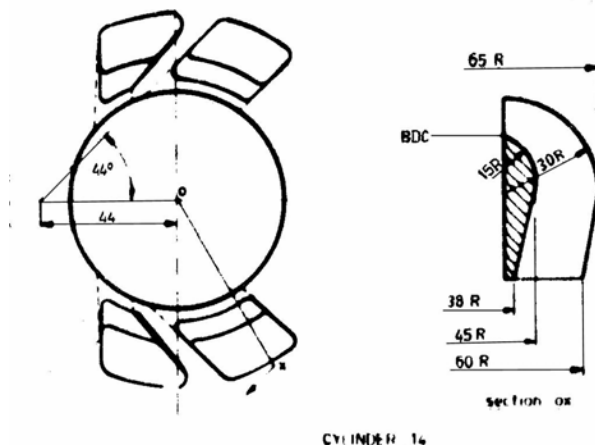


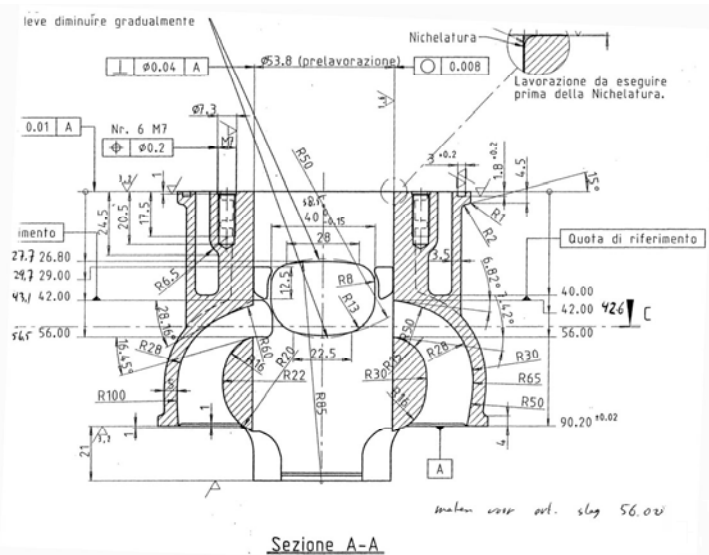
Fig. 3.6 QUB single cycle gas scavenging apparatus.



Blair's worst #12 and best #14 transfer designs



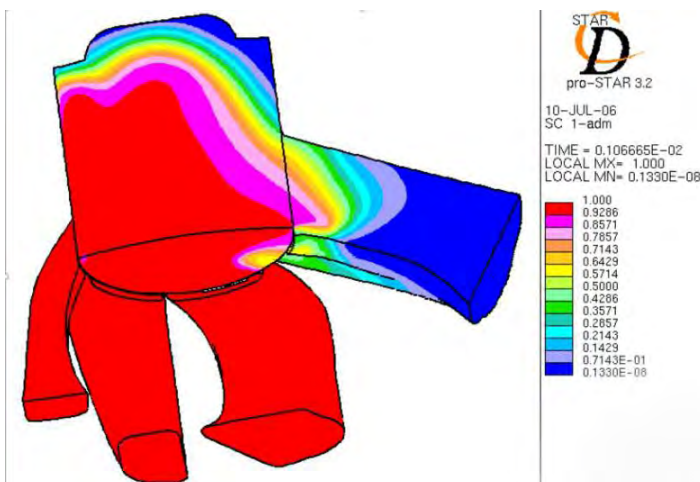
Aprilia transfer plan section



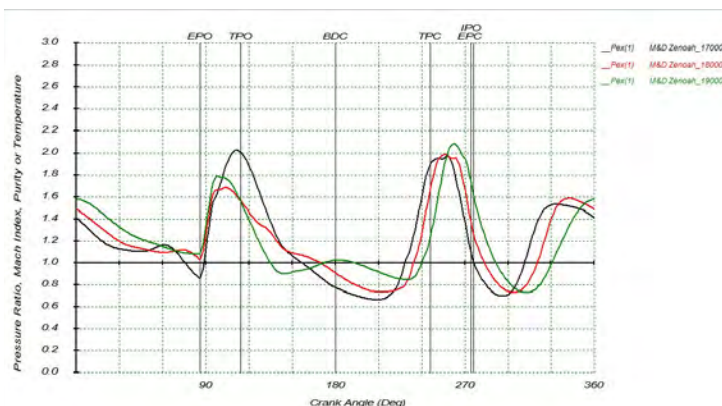
Aprilia transfers horizontal section

The idea is that the transfer design directs the fresh mixture away from the exhaust port, up the back of the cylinder, and over the top of the cylinder pushing the exhaust gas ahead of it. This happens around bottom dead center when the transfers are fully open and the tuned pipe is producing low pressure at the exhaust port. The one component responsible for at least half the power of our engines is the tuned exhaust system. The way the system does this is by creating high and low pressure pulses that are timed to the engines porting. Dropping the pressure in the cylinder while the transfer ports are open encourages flow into the cylinder while increasing the cylinder pressure just before the exhaust port closes supercharges the cylinder. Our open transfers are a lot less efficient at directing flow. However, our tuned pipes still work well as the graph below shows. EPO is exhaust port opening, TPO is transfer port opening, TPC is transfer port closing, EPC is exhaust port closing, and IPO is intake port opening. The supercharge is equal to 13 to 14 psi boost

depending on rpm. Future articles will look at tuned pipe design, Zenoah porting, dyno testing, and the nature of “gasoline”.



Aprila scavenging flow



Exhaust port pressures in a Zenoah

Thank You To Our 2025 NAMBA Nationals Sponsors!

By Kelly Canto

NAMBA Social Media Chairperson



The 2025 NAMBA Nationals was an incredible success, and we want to take a moment to extend a huge thank-you to all our sponsors. These epic events would simply not be possible without their support and dedication to our sport.

From the High Points Sponsors, Class Sponsors, Raffle Sponsors, Welcome Dinner Sponsor, every contribution made a

difference and helped create a week filled with competition, camaraderie, and memories. A special shoutout also goes to the NAMBA Hall of Fame for keeping us fueled up each morning with the Krispy Kreme Donuts!

This year, we were fortunate to have support across multiple levels of sponsorship:

- ◆ **Title Sponsors:** Zipp Kits and Offshore Electrics
- ◆ **Platinum Sponsor:** NAMBA RES David Santistevan, Savox, and TFL
- ◆ **Gold Sponsors:** Tenshock, and Buckeye Racing
- ◆ **Silver Sponsor:** River City Marine Engines
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Their contributions, generosity, and passion for RC boating make events like the Nationals possible, and on behalf of every racer, family member, and fan—thank you.

Racers, the next time you purchase any product for RC boating, remember the sponsors that support us. Remember to Support those that Support us!

San Diego Racing Makes a Comeback

By Al Waters

NAMBA Secretary

2018 was the last year there was District 19 Heat Racing at the San Diego Model Yacht Pond in Southern California. A venue known for hosting week long National events, Nitro Inboard and Outboard circuit racing, the Nitro Scale Unlimited Hydroplane circuit, and the big one. The Bill Muncey Memorial which was always tied in with the Mission Bay “Big” boat circuit every September. It had all disappeared the past half dozen years.

Maybe it was a challenge or maybe it was “we can do this again” but Bill Bridge from the San Diego Argonauts and Jim Osborne of the Scottsdale Model Boaters decided to give it a try and host a District 19 race as part of the Heat Racing Championship Points Series.

Needless to say, there were going to be many obstacles.

1. No public parking between the hours of 10:00 PM-6:00 AM
2. No people walking the park from 2:00 AM-4AM
3. Water level high enough to safely run boats.
4. Boaters who do not like racing in saltwater
5. Hotel rates as ComiCon was in San Diego
6. Could the race financially support the park permit fees.

These were just a few of the opportunities that needed to be dealt with. Read on and you will see how they pulled it off.

(Continued on next page)

There is no doubt if trailers can not be parked overnight at the race sight, you will lose most of your entrants. And with no racing since 2018 in San Diego and no overnight parking of trailers, why even try and host a race. However, after months of contacting at least a half dozen city departments and being passed around from one to the next, the club eventually found the correct people to talk to. The club was now on their way.

Summer time hotel rates, ComicCon and lets face it, San Diego is beautiful in the summer. That would be another deterrent. Then there is racing on salt water. Enough to keep a few more entrants from entering. But that did not stop the guys.

When all said and done, permits were in place, there were new buoys, newly refurbished start tables and a first rate trailerable drivers stand that had the best view of the course of any in the district.

All that was needed now were entrants and some more helping bodies to pull it off. That is when you know who supports you and who your friends are. And they discovered there were plenty of them.

On Friday morning setup, Al Waters and Jim Osborne trailered the drivers stand to the hot pit area. Bill Bridge, Pete Peraino, Lenny Blake and David Bowles (London Bridge Model Boat Club) set up the drivers stand, hot pit area, sound system and race course. Others who were entrants, too many to name lend a hand also. It was all coming together.

Come race day on Saturday and Sunday, NAMBA President Richard Romero called all of the races. The San Diego Argonauts Sail Division cooked lunches which were hot dogs and hamburgers with all of the fixins.



The traditional John Perry aquatic trophies were awarded with the "Winner Take All" trophy for Classic Thunderboat

Bill Bridge did not want gift cards for awards so we went with the traditional John Perry aquatic sculptures. No two trophies were alike so we let the winners select their favorite choices.

On Saturday at the end of the day the final heat was the Classic Thunderboat San Diego Cup "Winner Take All Final", Mike Cinquegrani who during open water and most of his races could not finish a heat. However, when it came down to when it counted the most, he ran away from the field for the win.

Another tradition brought back by the San Diego Argonauts was the Saturday night BBQ. Unlimited Burgandy and Peppercorn marinated Tri-Tip including choices of salads, rolls and beverages. A great way to end the day of racing.

Sunday was another good day of racing and it ending on a great note because we got even more help with the tear down and putting everything away from racers like Mike and Tatiana



The BBQ was loaded with Tri-Tip while Bill Bridge was buttering the buns.

Mooers and some Argonaut Scale Division members (Tug Boats and Steamers). And lets not forget April Kelly and KC Hazen who ran the scoring and timer tent.

The reaction from the entrants appeared to be positive that weekend so word on the street is that Biil Bridge and Jim Osborne will be back as Contest Directors in 2026 with another District 19 heat race in San Diego.



Michael Graves at the Salt Away pump station. A biodegradable green friendly concentrated water based solution when mixed with water will dissolve, release and remove salt crystals from any surface. No need for rinsing.

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Hall of Fame Takes Care of It's Own

By Al Waters
NAMBA Secretary

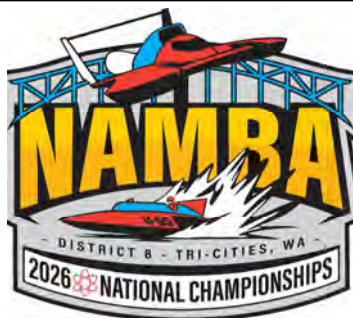
It was recently discovered that Hall of Fame Member and one of the original members of NAMBA, Chuck McGaughy's Hall of Fame plaque was destroyed in a house fire.

NAMBA Hall of Fame Chairman Robert Holland jumped right on that one and commissioned Hall of Fame member Dave Bestpitch to replace the one destroyed with a new plaque.

Chuck has been a continuous NAMBA member since our beginning in 1970. He was a District 1 Director for many years leading to being inducted in to the NAMBA Hall of Fame in 1983. Chuck eventually moved to the west coast and became a member of the San Diego Argonauts.

At the July San Diego Argonauts Heat Race, Chuck, his wife Carole and daughter Linda spent the day with us. There were many stories to tell as long time boaters Henry Velasco, Don Maher, Pete Piraino, Lenny Blake, and Mike Mooers greeted Chuck.

The real reason for all of this celebrating was to stop the racing and have Hall of Fame member Tracy Osborne present Chuck McGaughy with his new Hall of Fame plaque. It was an emotional moment for many and a very nice touch to someone who has contributed so much to NAMBA over his racing career. Thanks Chuck!



July 18-25, 2026
Mark it on your calendar

Your NAMBA Social Media Chair

By Kelly Canto
NAMBA Social Media Chairperson



Hello everyone! I'm Kelly Canto, your NAMBA Social Media Chair, and I have to say, it's been an exciting ride so far! Since stepping into this role, I've had the chance to connect with so many of you, and it's been amazing watching our community grow stronger every day.

Have you seen the new Meet & Greet posts on Facebook? They've been such a fun way to introduce racers from all over the NAMBA Nation and learn more about the people who make this hobby so special.

Want to be featured? If you are a vendor or would like your race team showcased, or if you have a piece of NAMBA history or exciting news to share, please reach out to me! Please send information to letsrunboats@yahoo.com. I'd love to shine a spotlight on your story. If you are not following us on Facebook, go to NAMBA International and click like.

By the time you read this, the 2025 NAMBA Nationals will have already taken place, and what an amazing event it was!

Now, we're already looking ahead to the 2026 NAMBA Nationals happening July 18-25, 2026 in Washington State. Stay tuned for updates and all the exciting things happening across the NAMBA Nation!



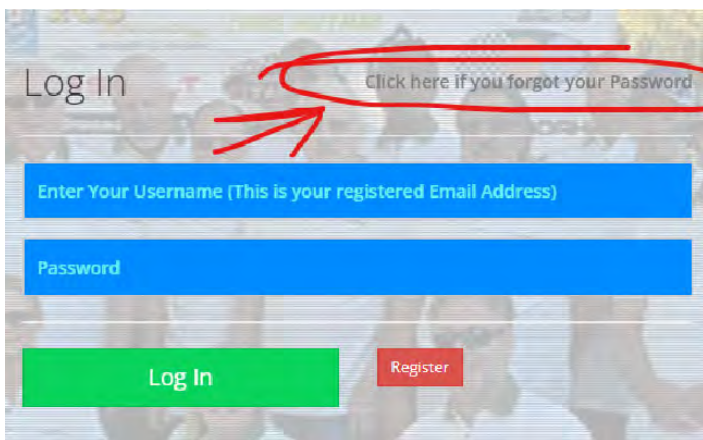
Make your plans. 2026 NAMBA Nationals in Tri-Cities, Washington

The Secretary News: Finishing Up!

By Al Waters
NAMBA Secretary

Lets get started. This is where I get to write about all the things that come across my desk between the Propwash back in April and today's October edition.

1. There have been a few comments that members do not care for reading the in color version of the NAMBA Propwash because it opens up like a magazine turning page to page. They would prefer the standard PDF version where you scroll vertically to read. So this version will be in the standard PDF. If you prefer the page flipping, just let me know.
2. Elections for NAMBA President, NAMBA Vice President, NAMBA Secretary and odd numbered District Director positions. This is the first time I can recall that we do not have at least two members running head to head for any of these positions. So a vote of confidence is requested from the membership for NAMBA President Richard Romero, Vice President Karl Loveless, and District 19 members for Richard Romero as District 19 Director. All other odd numbered District Directors will automatically roll over and continue in their positions for the next two years.
3. The NAMBA Membership Portal. Now that more members are using the NAMBA RES (Race Entry System), they need to know their user name and password. And even if you don't use the RES, you need to know your user name and password to log in to your account to change your personal information like address, e-mail, a different password, or add a member of your family to your account. On the web site member.namba.com click on log in. You will get a new page like the picture below. As it reads, **Click here if you forget your password.**



Within a minute or two you will have your password. I have tested it on a desk top, lap top, tablet and cell phone. It works.

4. By the time you read this edition of the NAMBA Propwash you will be close to renewal time for 2026. Here is how it is going to work. We are getting pretty proficient at processing our back ups and rollovers for the Membership Portal and the NAMBA RES. Our down time will be short. In the past we would shut for a few weeks and it would be the last of November and the first week of December. Now we will shut over the Thanksgiving holiday weekend and be back and ready to roll Monday December 1, 2025 for 2026 memberships and site insurance renewals. To help you remember, you will continue to receive the secure auto e-mail weekly until such time you renew. If you do not receive that e-mail, it can only be

because you have not updated your e-mail address or your security parameters are so tight with your e-mail server not much of anything that is mass e-mailed will go through for you. We have a service where e-mails go out sporadically throughout the day to help avoid this. We are sending them. But that does not guarantee that your ISP is allowing them through for you. And check your Junk Mail once a week.

On the subject of renewals. Once you have an account in the Membership Portal with NAMBA, you do not need to create another account EVER. You may lose your NAMBA number if you step a way for a few years but you do not go away. Just log in and renew.

5. I need to take a moment and thank those who contribute to the Propwash newsletter. I send out an e-mail requesting articles to no less than 30 people. There are those that like to race but not contribute to putting on a race. And there are those who like to read, but not contribute to writing. I get it. Those who have contributed to this newsletter are the same members who step up time after time. They give us the opportunity to know is going on in their districts, learn NAMBA's safety concerns and read tech articles for those that want to understand how our stuff works. I am pretty sure that they don't get a lot of thank you's but they do what they so that the rest of us can just go run our boats. So I do thank you very much.

That being said, I also want to thank the Propwash advertisers who have supported for so many years.

If I am not still packing when you read this, I am traveling across the United States from SoCal to Melbourne, Florida or already there at the NAMBA Nationals.

I have been given three warnings upon arrival. Make it four.

1. Pepper spray does not work because Alligators are not mammals.
2. Run away in a straight line if you see an alligator.
3. Have plenty of robotic rabbits for the Burmese Pythons.
4. And don't be such a tourist weenie.

The Propwash

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The NAMBA Election Page



**NAMBA President
NAMBA District 19 Director
Richard Romero**

My name is Richard Romero, and I am honored to announce my candidacy for re-election as NAMBA's District 19 Director for a sixth term and as your NAMBA President for a third term. I have had the privilege of serving NAMBA in many capacities: two terms as Vice President, multiple terms as District 19 Director, and as Vice President of my home club, the Tucson Model Boat Club, where my RC boating journey first began. These roles have allowed me to work closely with passionate members at every level of our organization.

Over the past four years, District 19 has grown in membership in three of those years, and we remain committed to attracting new boaters while retaining current members. Through sportsmanship, camaraderie, and mentorship, we are fostering the next generation of RC boating enthusiasts. I firmly believe that NAMBA's long-term growth and success will continue to be built at the club and district level, and it has been my privilege to work alongside some of the finest individuals in the hobby.

As your President, I am proud of what we have accomplished together. By empowering members to lead and serve on key committees, including our Rules Committee, Board of Directors, and our newest addition, the NAMBA Nationals Committee have created a culture of collaboration, flexibility, and shared vision. I am also excited about the work of our Social Media Chair, Kelly Canto, whose enthusiasm and creativity have been invaluable in expanding NAMBA's reach. We have also seen significant progress in technology, with the RES program evolving into a complete race management system, a true game-changer for our members. These initiatives reflect our commitment to moving NAMBA forward while staying true to the values that make our organization strong. I am deeply grateful for your trust and support over the years. Together, we've built momentum, and I believe our best days are still ahead. I would be honored to earn your vote for another term as NAMBA President and District 19 Director.



**NAMBA Vice President
Karl Loveless**

Thank you for giving me the opportunity to introduce myself. My name is Karl Loveless. I reside in Utah and have been in model boating for 25+ years. I have had the pleasure of serving as a past Club President, District 20 Director and the NAMBA Vice President for the previous two terms. I have appreciated the opportunity to learn from some of the best people in the hobby. I have gained a greater understanding on how we can better support our members.

Thank you for the trust you've placed in me. It means a great deal. I'm excited about the opportunity to serve in a greater capacity and continue contributing to our shared success.

I look forward to collaborating with our team to continue driving meaningful progress, fostering innovation, and supporting our shared goals.

Over the past two terms, I've had the privilege of serving alongside passionate members who share a deep love for our hobby. My commitment remains unwavering: to foster growth, strengthen our community, and ensure the long-term vitality of model boating for generations to come.

NAMBA is more than an organization. It's a family united by creativity, competition, and camaraderie. I'm excited about the future we're building together and will be grateful for your continued support and your vote of confidence.

Let's keep the momentum going!



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Revised October 2025

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Cloud Computing

noun \ 'klaud\ \kəm-'pyüting\



Sharing a Common Center

1. *The delivery of computing resources such as servers, databases, applications over the Internet ("the cloud").*
2. *A business strategy for controlling IT infrastructure and support costs while expanding scalability and reliability.*
3. *The ability to deliver access to the same computing resources to a staff regardless of their location.*
4. *The benefits of enhanced IT security systems and protocols.*



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