



## The Latest News from AeroSouth - December 2022



### The Great December Daggerboard Deal - ONLY FIVE LEFT!

Surprise your favorite sailor with a **BIG** present under your Christmas tree this year.

Order a beautiful AeroSouth **Sabre Daggerboard** before 12/31/2022 and receive a free set of our popular **Mainsheet Hanger Clips**.

Our Sabre Daggerboard is not only the **world's fastest board** for the **SOL, Sunfish and Sunfish clones**, but it comes with a **strong rubber stop** pre-installed with stainless steel hardware.

This offer is limited - **only five** of our popular Sabre Daggerboards remain in stock! Orders must be placed by 12/31/2022 through the **AeroSouth Store**.

### Beautiful and Fast - The Sabre Daggerboards

It is probably one of the least appreciated components of a small sailboat, the daggerboard (or centerboard). Compared to the sail, its exposed area is very small - well under 5% in the case of board boats like the SOL, Sunfish, Rocket, Laser, etc. And yet it must balance out the powerful forces that a sail



creates, even in the highest winds, and do this with the least possible additional drag force.

The board does this by producing a side force, or lift, in the terminology of wing designers. As opposed to early boards - which were little more than planks of wood - our **Sabre Daggerboard** is designed using the same methods as for the world's best sailplanes, whose wings are considered the most efficient of any aircraft. In fact, the shape of the Sabre daggerboard seen here is similar to the wings of modern aircraft such as those from **Jonker Sailplanes** of South Africa. This is no accident, but the result of AeroSouth's decades-long expertise in both hydrodynamics and aerodynamics.

Ideal for the SOL, Sunfish and Sunfish clones. Available for sale now and delivery before Christmas from the **AeroSouth Store**.



## Own a Piece of Sailing History - the FS Rudder Blade

When we announced the **FS Rudder Blade** two years ago, it represented the first time a surface-piercing rudder has been designed specifically to minimize **Free Surface** drag and **Weather Helm** without reducing side force effectiveness. It remains the only production rudder blade of its kind in the world, marrying the benefits of beautiful sapele wood and carbon fiber.

As much as we like the FS, our new **Model V** rudder blade comes close to the FS in overall performance, but does not require carbon fiber, which has doubled in price in the past year. Wanting to keep our prices to you as low as possible, we have decided to put further production of the FS on hold until carbon comes back down, and focus instead on the new Model V.

If you would like to own a piece of sailboat history, we have ONE FS rudder blade left in our inventory. As with all our rudder blades and daggerboards, each one is unique and has received its final shaping and surface coating from its designer, AeroSouth owner & president Kent Misegades.

Ideal for the SOL, Sunfish and Sunfish clones. Available for sale now and delivery before Christmas from the **AeroSouth Store**.



## Model V Rudder Blade Update

As reported in our November newsletter, our new **"Model V" rudder blade** sets a higher standard in performance for small sailing craft such as SOL, Sunfish and Sunfish clones. It also redefines value with its highly affordable price of \$300.

The images shown here depict a pre-production Model V attached to our Sunfish "mule" used for testing our latest ideas. As with the FS blade, the Model V makes use of existing rudder attachment hardware including the "pop-up" feature when sailing in shallow waters. In addition to clear-coated blades, we plan on offering it in a number of bright colors.

"V" for Vertical, for higher performance, lower drag, and low weather helm. **"V" for Victory** for those who sail with it. The new Model V will be available from the [AeroSouth Store](#) soon, so watch for further news!



## It's Winter - Time to Upgrade Your Fleet with AeroSouth Performance Components

Unless you are in Florida or one of the other warmer climates in December, your sailboats are tucked away now for the winter. At AeroSouth we are enjoying a breather from a record year and running at full capacity since last winter. We use this time to refine existing products and production methods, and to pursue some new ideas, often suggested by our customers.

We also take advantage of the quieter times of the year to restock our **inventory** so we can keep our shipping times to a minimum when the sailing seasons returns in the spring. **Wise leaders** of sailboat fleets and sailing schools spend the winter months making needed repairs, replacing worn-out boats and parts with new ones.

**AeroSouth never stops working for you!** Should your fleet want to upgrade through use of our products, **contact us now**. Make sure to also ask about **fleet discounts**. And if you have a need for something that does not exist on the market, let's discuss ways to bring it to fruition. (Top image courtesy [Dinghy Dames](#) of Tampa, FL)

## The Science of Sailing: The Galilee Boat



During the month of December, Christians the world over celebrate the birth of **Jesus Christ**, the most momentous event in the history of mankind. Although Jesus was born in Bethlehem and raised in Nazareth, where he learned the skills of a carpenter, much of his adult life was spent on the shores of the **Sea of Galilee** (also called Lake Tiberias).

Some of the Bible's most gripping stories took place on the lake, for instance **Matthew 8:23-27**, when Jesus calmed the waters:

*23 Jesus' disciples went with him as he left in a boat. 24 Suddenly, a severe storm came across the sea. The waves were covering the boat. Yet, Jesus was sleeping. 25 So they woke him up, saying, "Lord! Save us! We're going to die!" 26 Jesus said to them, "Why do you cowards have so little faith?" Then he got up, gave an order to the wind and the sea, and the sea became very calm. 27 The men were amazed and asked, "What kind of man is this? Even the wind and the sea obey him!"*

Little was known about the boats used by fisherman at this time, until one was found in 1986 in shallow waters by brothers **Moshe and Yuval Lufan**, fishermen from Kibbutz Ginnosar, north of Tiberias on the west side of the lake. Their discovery and the recovery of what has become known as the **"Galilee Boat" or the "Jesus Boat"** has been well documented, for instance [in this video](#).

While one thinks of these small fishing vessels, capable of carrying 10-12 men, their nets and their catch, primarily as rowboats, they did apparently include a simple square rig as shown in the images here as well as on paintings and mosaics found in numerous archaeological sites around the lake. This makes perfect sense, as the Sea of Galilee is know for its winds, which can, as we read in the Book of Matthew, become quite fierce.

While recounting the stories of the birth and early life of Jesus and his Apostles this Christmas, pay particular attention to the mention of boats and sailing vessels. Using a tool such as **Bible Gateway**, one finds the word "boat" mentioned 48 times and the word "sail" 33 times in the Bible. As sailors, this brings us a bit closer to the challenges they faced some two thousand years ago.

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**AeroSouth Technology LLC**

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