

**THE BROADAXE**  
NEWSLETTER  
of  
THE SHIP MODEL SOCIETY OF NEW JERSEY  
*Founded in 1981*



Volume 32, Number 2

February, 2014

**MINUTES OF THE REGULAR MEETING  
February 25, 2013**

21 members, one guest (**Ken Whitehead** from Brooklyn NY) and one visitor came together at the Milburn library to talk about ship modeling, display their work in progress and learn about using an airbrush.

The meeting was called to order by club president **Tom Ruggiero** at 6:45. The library is insisting that we leave the premises at 8:45 so in order to get as much meeting time as possible we are attempting to start fifteen minutes before seven. This means that the executive committee meeting will be scheduled a little earlier and we hope that all the members will try to arrive earlier. Every attempt is being made to shorten the business part of the meeting. One way to do this is to assign various old business items to individuals who will keep the membership informed of continuing developments. Another suggestion was to notify the board of items to be presented as "new business" before the meeting. The intent of all these efforts is to concentrate on the show and tell; tool talk, tech session and refreshment break parts of our meetings.

**Jason Clark** was unanimously elected to membership in the club. Welcome aboard!

**We are encouraging members and guests to attend our meetings.** If you are at all interested in model shipbuilding you will receive a **warm welcome**. Members range in experience from those making their first effort to old salts [who are more than happy to share their expertise if asked]. Ship modeling is not a competitive event; it is an exercise in creative problem solving. Few people who have not put their hand to this or something similar can appreciate the skill needed and the beauty of the results.

**Come join a group where your efforts will be understood and appreciated.**

**Treasurer's Report**

The complexities of dealing with the proceeds from the auction and the ongoing sale of **Bob Brehm's** estate has made it impossible for **Ken Schuetz**, our treasurer to give us a precise itemization of our expenditures, income and balance. As we stated last month, however, we remain solvent and our income continues to exceed our expenses.



**OLD BUSINESS**



The Joint Clubs Conference is April 26<sup>th</sup>. Don't forget to send in your fees as soon as possible because the price increases as the date approaches. You will find the registration form under "What's New" on our club site.

- <http://www.shipmodelsocietyofnewjersey.org/whats-new.php>
- <http://www.ctshipmodels.org/>
- <http://www.ctshipmodels.org/images/special%20events/NEC14FLYER.pdf>

## Admiralty Workshop

**Jim Lavelle** has succeeded in arranging for an Admiralty workshop to be given at **Tom Ruggiero's** house June 7<sup>th</sup> and 8<sup>th</sup>. Holding it in this area will lower the total cost of the workshop because we don't have to arrange for hotel rooms, transportation and meals. Right now the workshop is fully subscribed. This is a partial list of the demonstrations and mini-lectures scheduled.

### Demonstrations:

1. Making various types of splices
2. Seizing lines and blocks
3. Tying the most frequently used knots
4. Making a mouse and eye
5. Creating realistic foot ropes and rope coils
6. Blackening metal parts, preparation, and chemicals used for various metals, etc.

### Mini-lectures:

1. How to manage workflow
2. Overview of the sail making process: materials used, shaping, sewing, and attaching ropes to sails, etc.
3. Wood selection: favorite types of wood for various parts of the build, woods used for contrast, etc.
4. Finishing techniques. Products used, where and when. Special finishes such as beeswax and turpentine.

We'd like to express our gratitude to **Jim Lavelle** for his tenacity and effort. Without his optimism and perseverance this workshop would not be taking place. Thanks Jim!

## Bahrs Luncheon

We are looking forward to our annual luncheon at Bahrs restaurant, which is becoming a club tradition. **Tom McGowan** was there recently and noticed that the restaurant is selling souvenir glasses with **Henry Schaefer's** name on them. Henry Schaefer, of course, donated many ship models to the restaurant where they remain on exhibit. The glasses are proving to be very popular and we hope the manager will have enough in stock for us to purchase some when we have our luncheon. The date is Saturday, April 5th at 1 PM. **Mason Logie** will be in touch with Bahrs to confirm the arrangements. The price for the luncheon will be \$40 per person but the club will pay five dollars of that so the net fee is \$35. Please bring your \$35 dollars to the next meeting. **Roy Goroski** asked if Bahrs was interested in

hosting a ship model display and Mason told us that Bahrs had already discussed this with him and were very interested.

## Bob Brehm's Tools Estate

There seems to be a hiatus in the sale/auction of those items from **Bob Brehm's** basement that would be of interest to ship modelers. The current plan is to have 10% of the proceeds go to the club and the rest to Lyle, Bob's widow. **Tom McGowan** and **Michael Storch** have been working to categorize, list and value the enormous quantity of tools. The valuation is to be determined based upon the retail value, with an adjustment for condition, i.e. never used, slightly used or used. The details of the sale/auction [where, when, and how] are still being worked out. We will keep the membership informed as to the particulars.



## NEW BUSINESS

**Tom McGowan** brought in some mini brushes from **Bob Brehm's** estate and sold them; one dollar for 10 and two dollars for 25.

**Jeff Fuglestad** brought in some wood salvaged from downed trees and offered it for free to anyone who was willing to mill it to usable sizes.



## BOOKS AND PUBLICATIONS

Remember that you can now fill out and print your *Show and Tell*, *Books and Publications* and *Tool Talk* forms on your computer before you come to the meetings. The forms can be found on the website under the heading "Resources" On the "Resources" page you will see "Downloads" at the lower left. Keep clicking and you will be able to add your information directly onto the form and then print it. This is intended to help you fill out the forms more completely and to give you more time to interact with your friends at the meeting rather than scribble out your notes as fast as you can.

Forms Link:

<http://www.shipmodelsocietyofnewjersey.org/downloads.php>



## WEBSITE & LENDING LIBRARY

**Website:** <http://www.shipmodelsocietyofnewjersey.org/>

Missed one of the past issues of the Broadaxe or need to look up a previous article... Did you know that back issues of the Broadaxe dating from 2002 to the present are available online at the club's website?

<http://www.shipmodelsocietyofnewjersey.org/broadaxe-online.php>

Model Ship World Links to other club's newsletters

<http://www.shipmodelsocietyofnewjersey.org/important-links.php>

Resources Available on the club's website:

**Club Library - The Ship Model Society of New Jersey**

<http://www.shipmodelsocietyofnewjersey.org/important-links.php>

**Lending Library:**

<http://www.shipmodelsocietyofnewjersey.org/club-library.php>

**ModelShipWorld.com:**

<http://modelshipworld.com/>



## TECH SESSION

We are also hoping for a revived focus on tech sessions. They do not have to be individual efforts but can be a collaborative effort between several members who might be approaching some aspect of modeling in different ways. It would be wonderful if over the span of two or three years every member had participated in a text session.

Ed. Note: Use your imagination to come up with new topics. Here are but a few more examples of potential

tech session topics: Casting, Photo Etching, etc., etc., etc. Please bear in mind that if a topic interests you, then you can be assured that others in the group will share your interest. Also note that **you do not need to be an expert in a topic**; you need only to be open to the possibility of learning something new and sharing it with others.

**Everyone (and we do mean everyone)** [regardless of your modeling level or expertise] has at least one thing that they can share with the collective group. We all gain from the sharing of information.

### Chuck Passaro's Airbrush Tech Session

Although some of us may already own an airbrush, it is quite possible that we don't know how to use it properly and/or that the airbrush we own is unsuited for the tasks we have in mind. **Chuck Passaro** gave us a very enjoyable and informative tech session on the selection, use and care of airbrushes.



Chuck began by discussing the equipment necessary. There are several major brands of airbrushes; (listed in ascending order of quality), Badger, Paashe and Iwata among them. With the increase in quality and price you get increased control and the ability to paint finer lines,



with Iwata, for example, being able to paint a pencil thin line.



There are two major types of airbrushes; single action and double action. The single action airbrush has a button that, when depressed, turns airflow on. Paint is sprayed from the moment the button is pressed until it is released. Double action airbrushing involves two motions; pressing down on the buttons starts the airflow and pulling rearward increases the amount of paint injected into the airflow. This backwards and forwards motion allows the user to control the amount of paint released and to vary the density of the sprayed paint.

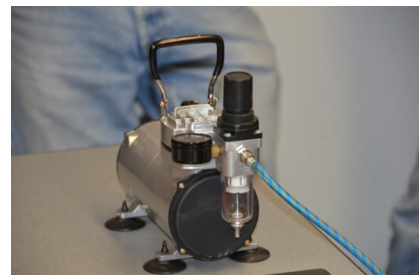


The width of the line is controlled by the distance between the airbrush and the object to be painted. The closer the airbrush is the finer the line will be. The greater the distance, the wider the line will be and the paint will be more dispersed. The thickness of the line is

also determined by the fineness of the needle, the width of the exit cone and the viscosity of the paint, thinner paint producing a finer line and more viscous paint a thicker line. Different artists prefer different thicknesses of paint, which can be controlled by the amount of dilution with the appropriate thinner.



Powering Chucks' airbrush is a small and relatively quiet air compressor. The compressor Chuck uses costs about \$40, and can be regulated to supply air pressure between 10 and 60 PSI. Many air brushers put a moisture trap between the compressor and the airbrush but Chuck feels that for our relatively limited use this is unnecessary. Air pressure is adjusted by turning a knob and is chosen based on the application.



On some airbrushes the paint container is an integral part of the airbrush while others have removable bottles operating on the siphon principle. Chuck prefers the integral version because it is easier to clean and less

cumbersome to use. Airbrushes use a thinner formulation of paint than a person would use with a brush. The painter has the choice of thinning paint or purchasing paint designed specifically for airbrushes. Chuck uses the pre-thinned version produced by Badger. If the desired color is not available straight from the bottle, it can be mixed in the airbrushes' container.

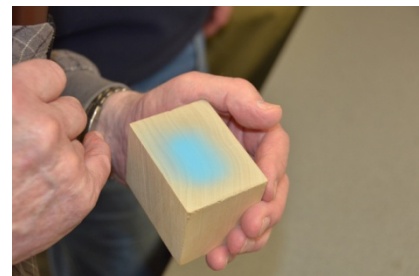


While there are several different ways of masking an area to be painted, Chuck showed us the method that he prefers. Chuck uses a piece of stiff paper or thin board cut to the shape he desires and then holds it against or near the surface he wants to paint. Holding it against the surface will produce a sharp line while moving it a little bit away will produce a softer edge. Another masking method is to use Frisket, which is a sticky film that can be applied to the surface, painted over and then removed.

Frisket also comes in a liquid form, which is applied to the surface, allowed to dry, painted over and removed.



The biggest obstacle to getting excellent results on wood is inadequate preparation. Painting wood requires a somewhat thicker paint formulation because excessive water in the paint will raise the grain and produce a fuzzy effect. It is very important to fully prepare the surface before painting. Chuck carefully sands the wood, finishing with 620-grit sandpaper.



It is very important to be sure that the airbrush is clean before putting it away because paint, once dried in the airbrush, is very difficult to remove. When changing colors, Chuck cleans the brush by running airbrush paint cleaner through the airbrush until it comes out clear. Because these are water-based paints there is no need for an elaborate spray booth or air purification system.

*Please see page 14 for Airbrush Links.*

Tech session for the next meeting will be on soldering.





### AARDVARK WORKSHOP

We want to thank Tony and Sally Alworth for the continuing use of the Aardvark quilt shop (748 Speedwell Ave. Morris Plains, next to the Plaza Restaurant). The February 15 meeting was attended by Tom Ruggiero, Roy Goroski, Jim Lavelle and of course Tony Alworth. Club members who have not attended an Aardvark meeting are missing a very enjoyable experience. It's a combination of working on your model, learning about new techniques, helping others deal with difficulties and good old-fashioned water cooler gab.

The next Aardvark meeting will be March 15<sup>th</sup> and all future meetings are scheduled for the third Saturday of the month.



### THE PINNANCE GROUP

The next pinnacle meeting will be held March 22<sup>nd</sup> at Barry Rudd's house.



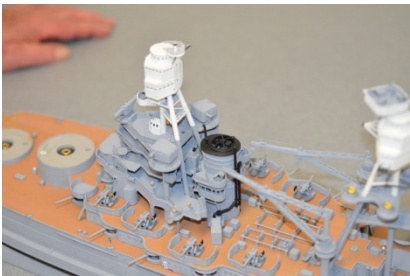
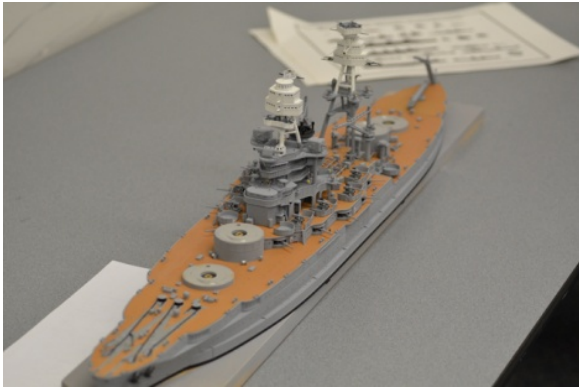
### SHOW AND TELL

At recent meetings we have had a wide variety of show and tell items, many of them work in progress rather than finished projects. Some of our members are still working on their first or second model while others have lost count of their show and tell presentations. We are highly appreciative of members who take the time and effort to bring their models in and share their successes and frustrations.

Ed. Note: **Please do not feel that you can only bring in finished models.** Works in Progress are highly desirable and stimulate a lively discussion.



Ozzie Thalmann is working on a 1:200 scale Trumpeter kit of the *USS Arizona*. Last month he brought in the bottom part of the hull. This month he has brought in the upper section. He has mechanized this ship so that the rudder, props, turrets, guns, rangefinder, crane, catapult and lights will be working. Unfortunately, Ozzie will have to wait until August to complete his model because the motors which he uses are on backorder. Once they become available everything will be connected and ready to go. Ozzie uses timing pulleys and timing belts to ensure that all the working parts turn at a scale speed. Ozzie is a master of soldering and lathe work and drive trains and we hope that he will help us learn about these skills in a future tech session.



**Richard LaRue** brought in his model of the *Elsie*, an American schooner. “The schooner *Elsie* was built in 1910 at the Arthur D. Story shipyard in Essex, Massachusetts. She was “smart, able and beautiful,” a proud member of Gloucester’s once famous salt fishing fleet and a contender in the International Fishermen’s Races of 1921. *Elsie* was designed by Captain Thomas McManus and built for the Atlantic Maritime Company of Gloucester and Boston. On her maiden trip she landed over 280,000 pounds of salt cod in Gloucester. In 1916, *Elsie* was sold to the Gorton-Pew Company for whom she continued to be a top producer. After a short stint under Canadian ownership, in 1921 the vessel was taken over by the Frank C. Pearce Company and brought back to Gloucester. It was under the ownership of Pearce that *Elsie*, with Captain Marty Welch in command, challenged the Canadian fishing schooner *Bluenose* in the International Fishermen’s Races of 1921. *Elsie* had earned the right to represent Gloucester in the Race by out sailing four other local schooners. Despite gallant efforts in the two races, which were held off the coast of Nova Scotia that year, *Elsie* lost to the *Bluenose*. The *Elsie* was lost in January 1935 in the Gulf of St. Lawrence. “(Cape Anne Museum)







Richard is building the Model Shipways 1/8 inch to the foot scale kit. Richard had difficulty assembling the parrels and the gaffs. He's about three quarters done. He still has to finish the stern and detail the fishing dories. Richard used spray cans to paint the hull.



When Model Shipways was operating a store in Bogotá, New Jersey, one of the models in the window was the *Sultana*. At that time, Model Shipway's was selling the *Sultana* kit with a fully carved hull and lead cannons (the cannons have since succumbed to lead disease). The original *Sultana* was built in 1767 for Thomas Asquith, a wealthy merchant. Soon after her completion Asquith sold her to the British Admiralty for service as a revenue cutter patrolling the North American coast.

This prototype model was bought by **Jeff Fuglestad** when the shop was being closed. The model was built by Ed Stanza. Howard Chapelle drew the original plans. The attractiveness of the model in the window inspired **Barry Rudd** to build it as his first ship model.







**Tony Alworth** has owned and sailed catboats of this type for many years. They were originally designed for fishing and clamming in the shallow waters of Cape Cod Bay and other inshore New England waters. They are very stable and spacious for their size. There are still hundreds sailing the waters of the Northeast. Tony is working on a highly modified, three-quarter inch scale, Bluejacket kit. The prototype was 22 feet long. This is Tony's second model of the boat and he intends to give it to his daughter (Ginnie) as a wedding present. He has scratch built all the interior work. The decks and cockpit floor are planked with strip wood. The transom, coaming, seats, cabin sides and cabin top have been reworked to make the model more true to the original design. The details of the cockpit are from Tony's memory of owning a boat like this. The mast, boom, gaff and rigging have also been altered. Tony is using Krylon spray paint, red for the bottom of the hull and dark green above the waterline.



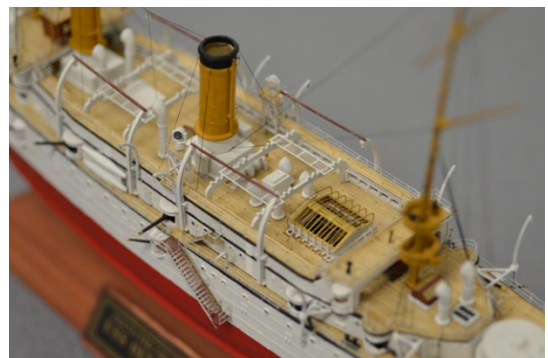
## Featured Modeler



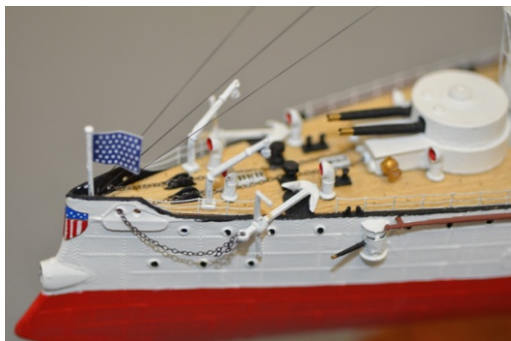
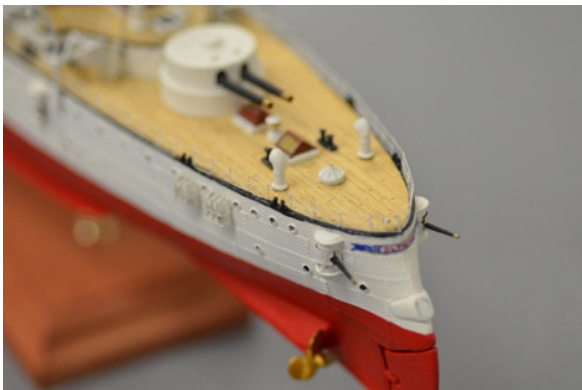
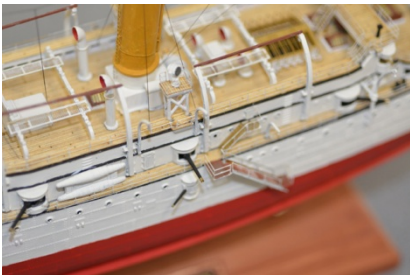
"The *USS Olympia* was launched on November 5, 1892 and put into commission on August 5<sup>th</sup> 1895. In 1898 she was Commodore George Dewey's flagship at the battle of Manila Bay. The *Olympia* was re-commissioned in 1916 and became the flagship of the patrol force Atlantic Fleet, escorting convoys and patrolling off Nova Scotia. In 1918 she sailed to Murmansk to take part in the ill-fated Allied intervention against the Russian Bolsheviks. In 1921 *USS Olympia* carried the body of the Unknown Soldier back from France. She is permanently docked at Penn's Landing in Philadelphia and is open for public viewing. She is one of only four warships representative of that time, and the only American warship from the Spanish-American war still in existence." (Patrick McSherry, *Cruiser Olympia*)

**Jason Clark** brought in his model of the *Olympia*, the 1/232 scale Encore Models kit. The kit includes two sheets of photo etch and various other additions to upgrade the old Revel kit. Jason had to make several alterations to improve the kits accuracy. The model is painted to represent the ship's appearance in 1899. Jason used the book "the American Steel Navy" as a source of period photographs. The rigging on the model is made from a special stretch polymer, E-Z Line, which will not break if accidentally touched. It comes in two or three thicknesses and four or five colors. Jason bought it from Freetime hobbies and it is made by Berkshire Junction. **Chuck Passaro** uses it to serve shrouds and other lines.

E-Z Line: <http://www.berkshirejunction.com/ezline.html>  
Freetime Hobbies: <http://www.freetimehobbies.com/>







## TOOL TIME



Needing to replace the universal joint [blade height adjuster] on his Byrnes table saw, **Michael Storch** found himself in need of Allen wrenches. Using the six sided wrenches from one of the big-box stores was unsatisfactory. They did not fit properly and bent alarmingly when force was applied. Not wishing to do possible damage to his saw, Michael looked for an alternative solution and found them at KC Tool, specialists in high quality German manufactured tools. The sales rep recommended a 22 Piece Ball End Hex L-Key Set from Wiha.

Ed. Review: The combination of an extremely knowledgeable sales staff, excellent selection of tools, easily navigated website, and great pricing were hard to resist. Best of all, the tool worked like a charm.

KC Tool: <http://www.kctoolco.com/Ball-End-Hex-L-Key-22-Piece-Set-Metric-Inch-p/36900.htm>

Michael recommends a periodic cleaning and lubrication of the blade height adjustment screw and shaft. Any light oil [WD-40] is fine.



## CANDID SHOT



The next club meeting is March 25 at 6:45.



The '**BROADAXE**' is published monthly by The Ship Model Society of Northern New Jersey, a nonprofit organization dedicated to teaching and promoting ship modeling and maritime history. Membership dues are \$25.00 for the first year and \$20.00 per year thereafter

Visit our Web Site at:

<http://www.shipmodelsocietyofnewjersey.org> where a Web version of the **BROADAXE** can be found. The **BROADAXE** is distributed by both US mail and e-mail in PDF format.

Regular meetings are held on the fourth Tuesday of every month at 7:30 P.M., at the Millburn Free Public Library, 200 Glen Avenue, Millburn, New Jersey. Guests are always welcome.

Contributions to the **BROADAXE** are always welcome, and SMSNNJ members are encouraged to participate. Articles, shop hints and news items may be submitted directly to The Editor as typed manuscript or electronic files, either on discs or by e-mail. Handwritten notes or other materials will be considered depending on the amount of editing and preparation involved.

The **Broadaxe** is written by Larry Friedlander, edited by Michael Storch, and distributed by Chuck Passaro and Ollie Ericksen.

Your ideas and suggestions are always welcome in the Broadaxe. Please submit them to Larry Friedlander.

If any member would like an email copy of the roster please drop a note to Larry Friedlander at the email address listed at the end of the Broadaxe. If there is an error on the roster let Larry know and the roster will be amended. Please make sure that your spam filter is not blocking emails from Chuck Passaro because if it is, you won't get the Broadaxe and member bulletins. You can eliminate the filtering by adding Chuck Passaro's email address to your contact list. Please keep the secretary informed of any changes so that the roster can be kept current. If you would like a printed copy of the roster please send a SASE to the secretary (address at the end of the Broadaxe) and one will be mailed to you. Rosters are also available at the monthly meetings.

Please keep your contact information up to date. Your email address is particularly important because that is the main avenue of communication for club announcements. In case of emergencies such as last-minute cancellations due to weather, emails will be sent to the members.

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*Founded in 1981*

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**Michael Storch**  
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**Clifton, NJ 07012**

**NEXT MEETING:**

**March 25, 2013**

**MILLBURN PUBLIC LIBRARY**

Thanks go out to Chuck for his excellent tech session on air brush equipment and techniques last month. His presentation demystified the process and made it more accessible. Bravo!



**The Tech Session** for the March meeting will be a video and discussion on the different types of soldering techniques and the appropriate equipment needed.

**Please note that the Executive Committee** we will start the business meeting at 6:45 “so that we can get to the fun stuff more quickly.”

## Airbrush Links

### GETTING STARTED

#### **WHICH AIRBRUSH IS THE BEST?**

<http://www.craigcentral.com/models/ab.asp>

#### **Choosing the Right Airbrush:**

<http://www.airbrushguru.com/choosing-the-right-airbrush.html>

#### **BEGINNING AIRBRUSH TIPS - VOLUME I "GETTING STARTED"**

<http://www.goldenpaints.com/technicaldata/airtips.php>

#### **BEGINNING AIRBRUSHING TIPS - VOLUME II "SPRAYING, DRYING & MASKING"**

<http://www.goldenpaints.com/technicaldata/airtip2.php>

#### **Start Airbrushing – Part 1**

<http://www.iwata-medea.com/resources/start-airbrushing/start-airbrushing-part-1/>

### AIRBRUSHES

#### **Badger**

<http://www.badgerairbrush.com/>

#### **Paasche**

<http://www.paascheairbrush.com/>

#### **Iwata**

<http://www.iwata-medea.com/airbrushes-and-compressors/>

#### **Video: Iwata Airbrushes – An Introduction**

[http://www.youtube.com/watch?feature=player\\_embedded&v=cxI3FRitKao](http://www.youtube.com/watch?feature=player_embedded&v=cxI3FRitKao)

[Excellent description of the Iwata airbrush product line]

- *Iwata Custom Micron Series Airbrushes:* <http://www.dickblick.com/products/iwata-custom-micron-series-airbrushes/>
- *Iwata Hi-Line Series Airbrushes:* <http://www.dickblick.com/products/iwata-hi-line-series-airbrushes/>
- *Iwata HP Plus Series Airbrushes:* <http://www.dickblick.com/products/iwata-hp-plus-series-airbrushes/>





Presents

## **The Jim Roberts Award**

The Jim Roberts Award has been created in memory of Jim Roberts, one of the founding members of our club. As a modeler, Jim was noted for the craftsmanship, beauty and attention to detail of his models. The criteria we have selected for this award are designed to identify the model that best exemplifies the standards to which Jim aspired.

### **Categories of Judging**

***Effort:*** Apparent\* amount of work expended on the model.

1. **Complexity of prototype** ~ apparent complexity of the actual vessel on which the model was based.
2. **Number of skills required to create the model.**
  - i.e.: Woodworking, metalworking, rigging, carving, diorama building, water, weathering, flags, decorations (including painting of friezes and small work) or any other skills evident in the making of the model.

***Construction\*\*:*** Fit of the components.

1. **Mastery of skills** ~ how well did the modeler use the necessary skills required to create the model.
  - i.e.: Woodworking, metalworking, rigging, carving, etc.
2. **Integration of the parts** ~ fit and/or quality of the component(s) that makes up the model.

***Finish:*** Scale, consistency and uniformity of surface treatment.

***Proportion:*** Appropriate size of components in relation to each other in the designated scale.

***Over-All impression:*** (The “WOW” effect)

1. **An evaluation of the model’s realism.**
2. **The esthetic effect the model has on the viewer.**

\* Where the term “apparent” is used it is meant to represent the judge’s personal evaluation without recourse to information from the modeler.

\*\* In the event of a tie, the “Construction” category score will be used as the tiebreaker to determine the winner