

# Mold Lines

JANUARY 2018



AN INTERNATIONAL PLASTIC  
MODELERS' SOCIETY CHARTER  
CHAPTER.



# IN THIS ISSUE...



## Model of the Year

### PLUS...



**Club News** brings us all the coverage of past and upcoming events from the Sonoran Desert Model Builders

In **Modeling Reviews** - Jeff Wallen brings us a review on Mission Models USA paint line



In **Tips & Tricks** - we show some quick tips to make your modeling easier

# Mold Lines

## WHAT IS IT?

Mold Lines is the official publication of the Sonoran Desert Model Builders Modeling club. We publish it on a monthly basis and it is your source for Club news, interviews, model reviews, photos or our member's modeling work as well as articles on modeling techniques and other articles of interest to our members.



## WHO ARE THEY?

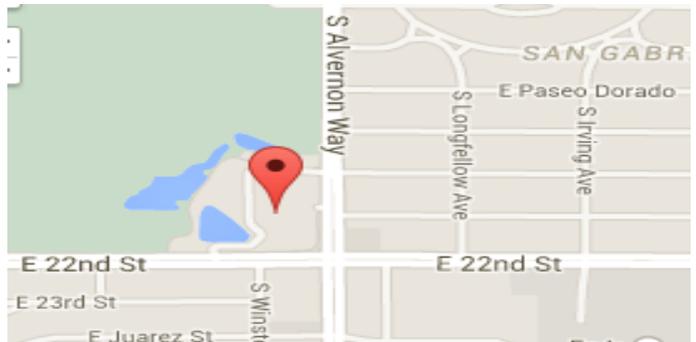
The Sonoran Desert Model Builders is a chartered IPMS model club in Tucson, Arizona dedicated to advancing each others skills through tip sharing, encouragement and, most importantly, hands-on building. Our members enjoy a deep camaraderie and level of respect for each other as well as a passion for model building. We build it all... cars, airplanes, armor, ships, figures, sci-fi...

**Our mission is simple... LET'S BUILD!**

## MEETING DATES 2018

JANUARY	.....	4
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MARCH	.....	1
APRIL	.....	5
MAY	.....	3
JUNE	.....	7
JULY	.....	5
AUGUST	.....	2
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OCTOBER	.....	4
NOVEMBER	.....	1
DECEMBER	.....	6

## WHERE CAN I FIND THEM?



We meet at the **Northwest corner of Alvernon and 22<sup>nd</sup>** from 6:30 to 8:30 P.M.  
1100 South Alvernon Way  
Tucson, AZ



# Editor's Workbench

Hello fellow modelers and dear friends.

The new year is officially underway in a way that almost seems too fast, but so far its already been a great start for our club. On January 13<sup>th</sup> we held our yearly Scale Model contest and Swap meet sponsored by Modelmania of Tucson. We had a fantastic time where we got to see many friends and enjoy the work of some of the best modelers in all of Arizona. We had a great turnout in the contest beating the number of entries from last year. Everyone who lent a hand and helped ensure the contest was a very pleasing event. Thank you all who supported the event.

I would like to take some time and congratulate some of our club members for their recent achievements. Annette Sostarich just recently had an article published in the IPMS Journal. If you are an IPMS member you may have seen her Explorer 1 rocket. Also Bob Duke and Bill O'Malley have photos of their work published in the 2017 Holiday edition of Great Scale Modeling magazine. As always their magnificent work is noticed.

This month as promised we bring you a short article on our 2017 Model of the year. This time is a wonderful 1/48<sup>th</sup> Scale Savoia Marchetti SM-79 by non other than Simon Herbert. I hope you guys enjoy the photos as much as we have in our meetings as he brought this beastie from box to display table.

We also bring you a review of Mission Models Polyurethane paint system. So far I have heard plenty of good things about their paints and now I am more intrigued to try them out.

This year we have a big event to look forward to. The IPMS Nationals will be hosted by the Craig Hewitt chapter in Phoenix, AZ. I know it still roughly 8 months away but some of us need that much time to prepare. So start sharpening the modeling knife and get ready for the good times in August!

Until next time.

*Dave Diaz*

Model on!!



### UPCOMING EVENTS

- **Make and Take at the Pima Air and Space Museum** - This event is designed to introduce children to the hobby of model building and the math and historical research used to build accurate scale models. It will be held on February 3<sup>rd</sup> , 2018 from 1:00 PM to 2:30 PM.



- **Support our Monthly raffle!** Each month during our club meeting we hold a raffle with new and used kits. For every 10 tickets sold one model will be given away. Tickets are only \$1 each.



**RECENT EVENTS**

**SCORPFEST V**



We held out annual Scale Model Contest and Swap Meet sponsored by Modelmania of Tucson on Saturday January 13<sup>th</sup>. It was great to see everybody having a great time, catch up with old friends from out of town and enjoy all the great work that was on display on the tables. Well done Scorpions!

## RECENT EVENTS

- **Monthly Club Meeting** – The SDMB held their monthly meeting on January 4th, 2018 from 6:30 pm to 8:30 pm. Our first meeting of 2018! We had a good time with plenty of great looking models on display.

Derek Campbell shared with us his latest Roman era figure. The Murmillo Gladiator, which happens to be my favorite Gladiator. This figure is by Scale 75 and it is 75mm.



*"Hollywood has it all wrong. It's amazing what you can learn while building a model."*

-Derek Campbell



The Murmillo was class of gladiator during the Roman Imperial age. His name means "sea fish" and they usually fought against another class of gladiator, the Retiarius whose equipment was a trident and a net, symbolizing the fisherman. The match was a symbolic one between the fisherman and the fish. Gladiators often fought specific classes and was not the free for all often depicted in movies.

## **RECENT EVENTS**



JR's UH-60 Huey by Revell

*See more awesome  
model photos from our  
meeting at:  
[www.sdmb.yolasite.com](http://www.sdmb.yolasite.com)*



Chuck Wacker's 1/72 Tiger I

# *SDMB Model of the Year*

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As is our club's tradition every December we have a contest to determine what was the best model build during that year. The only requirement to enter it that the model has to have been finished that year and we select the winner based on popular votes from our club members. Our model of the year for 2017 was Simon Herbert's beautiful Savoia Marchetti SM-79.



By Simon Herbert

The kit was produced by Classic Airframes in 1/48 and has been out of production for some years. When one turned up for sale in my local hobby store (Ace Hardware on 22nd St. in Tucson) I snapped it up. I have always liked the SM79 "Spaviero" ("sparrow") for its tri-motor configuration, unique looks, and special place in aviation history.



The kit is mainly injection-molded styrene, but also contains resin and photo-etched parts. The model is rather "bare-bones" by today's standards, but with some additions and TLC, can be turned into a presentable finished kit.

# *SDMB Model of the Year*

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The kit represented is not a torpedo-carrying version, so I had to scratch-build much of this using the spares box and other items.

## **Torpedo:**

- Using a 1/48 scale Heinkel 111 torpedo as a start, this lengthened a scale 18" using plastic tubing to conform to the Italian aerial torpedo length.
- Scratch-built the wooden break-away airfoil (white) at rear.
- The twin torpedo propeller blades were re-shaped with rounded profiles per prototype.
- Scratch-built torpedo rack, sway-braces and release wires.



# SDMB Model of the Year

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For the build I designed a special adjustable jig from two adjustable angle squares for holding the model during stages of airbrushing, (*See Mold Lines for February 2017 for an article on this tool – editor*) and is something I'll be able to use in the future.

## Additional Improvements:

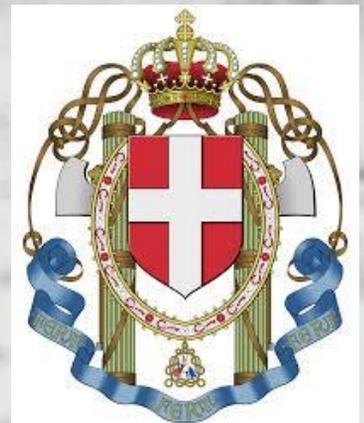
- Tail bracing wires (three per side) from piano wire.
- Installed replacement aerials from shaped brass rod.
- Aerial wires with grey invisible thread (painted black).
- Scratch-built DF loop aerial from soldered brass wire.
- Rebuilt landing gear hubs with aluminum tubing.
- Scratch-built dorsal gun from parts box (7 pieces total).
- Scratch-built dorsal position doors from plastic card stock.
- Scratch-built the wind generator (starboard side fuselage).
- Added photo-etched seatbelts (Eduard).
- Running and wing navigation lights from plastic rod.
- Replaced resin pitot tubes with piano wire.
- Flattened main wheels and tail wheel for greater realism.

# *SDMB Model of the Year*

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# *SDMB Model of the Year*



**278-3 is shown in the configuration  
of its last mission from  
Benghazi, Libya April 21, 1941**

# Modeling Reviews

## Mission Model Paints

By Jeff Wallen



Recently I decided to give the Mission Models paint system a try after seen their display at the GSL Model Car Championship The paints are part of a certainly different paint system.

For full product information please do go to the link below.

<https://www.missionmodelsus.com/pages/product-information>

The paint system includes Acrylic paint packaged in a 1oz bottle that also contains a mixing ball. They also have thinner and a Polyurethane mixing additive.

# Modeling Reviews

Sample mixing ratio per web site:

20 to 30% MMP thinner to 2 parts paint (2 or 3 drops thinner to 20 drops paint plus 2 drops of Poly. Typically 1 part equals 10 drops. PSI 10, 15, 20 depending on your needs.

*“MMP Poly will increase flow from the airbrush, slower drying times, added blending times for fine brush painting, durability and increased leveling properties. In addition you will find a durable finish with a slight eggshell finish which is perfect for washes eliminating the need for further clear coating.”*



For the test I used an old NASCAR body that was already primed, painted a Tamiya Brown and seal coated with a dull coat. The reason for this was I also wanted to try out the hairspray chipping technique using the MM paints. For the test I am going to do my best to stick with the mix ratios the manufacturer recommends.

# Modeling Reviews

*Airbrush: Pasche Talon (38mm head)  
Regulator Setting: 15 psi (pounds per inch)  
Color: MM Highway Yellow (MMP-041)*

*"Do know I conducted  
the test in my garage  
above 90 degrees!"*



## Test one setup:

Paint Mix 40 drops from bottle > 5 drops of Thinner > 4 drops of Poly

***Test spray the paint was too thick and didn't spray at all.***

## Test 2 adjustment

Increased pressure to 20 psi and then to 25 psi, now paint is flowing.

***But this is not an even spray and was blotchy.***

## Test 3 adjustment

Added 2 drops of thinner and 1 drop of Poly.

We are still at 25psi air pressure!  
***Starting to get better flow but have a little tip dry. Cleaned the tip off and now we are getting a reasonable flow of paint. After a little more painting the flow is good.***

# *Modeling Reviews*

## Time for applying paint to the car body.

- I applied the paint thin and it took several passes to fully cover the side of the car body. Pigments are fantastic with really nice consistent color. Almost found it hard to mess up!
- One side of the car I applied several coats for full coverage. The yellow covered the brown base coat very nicely.
- Opposite side I applied a thinner coat of paint to test the hair spray technique and its effects with a lighter coat of paint.
- The paint dried by the time I finished cleaning the air brush. To my surprise the lacquer thinner I normally clean with reacted to the paint and made a mess. So I guess that is not such a good idea for cleaning.

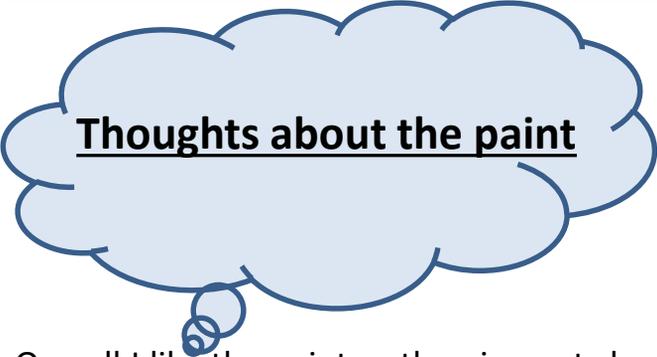


## Test Results

Really liked how the paint covered but was not satisfied with how it sprayed. I feel that was my fault, not the paint and lack of precise measurements along with weather conditions being hot. Will need to do another test to get more comfortable with this paint and the mixture to use.



# Modeling Reviews



## Thoughts about the paint

Overall I like the paint as the pigments look even better than Tamiya or any other acrylic paint I have used. It dries to a more satin to dull finish, not a full on dull finish if you will.

How about the mixture? Well MMP claim you can paint straight out of the bottle. Hmm not in my test anyway. Maybe it was too hot in the garage. I do agree that you should not have to use as much thinner. For me and I want to stress "FOR ME" a 50/50 mix is where I start with paint.

Another thing on the mixing of the paint, I will most likely measure the paint properly instead of just straight out of the bottle. *Just another variable in the test you should know about!*

How about the Poly? Love the concept and will have to use this paint system more to fully see the benefits. Might be the reason the finish was a slight satin as opposed to a Dull finish.

Cost is another factor I have to mention. \$5.75 for paint and then between \$9 and \$10 for the thinner and Poly is no cheap date. Truly on board with using the correct line of products for any paint. Just asking for trouble if you don't. Indeed this is expensive paint. If you are happy with the acrylics you use then stick to what your comfort zone is. If you do try this new paint system test, test and test to know how it works before you use it on your model project.

I would recommend this paint system. Only CON I see is the price.



## Quick Tips!

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1. If you like to paint using oils a good tip is to use an airtight container and using to store you oils palette. This will keep the oils out of the way, avoid accidents and more importantly extend the life of your palette by a couple of days.





## Quick Tips!

2. When painting tools on armor models cut small strips of paper and slide them under the tools to protect the surface of the model from accidental paint spills and avoid having to go back and clean up mistakes later.





## HOW CAN I JOIN THE SDMB?

Test the water before you join!

*Here's how:* Drop by and say "hello" at one of our monthly meetings (see our Next Meeting page for date and location details). If you like what you see and hear then drop by again the next month and be sure to bring your questions and we'll help you get started! The first two meetings are free so drop on by! After your second meeting we would appreciate you joining our club. Our club dues pay for various things such as community programs and sponsorships of trophies in contests. We are happy to have visitors but even happier when you join our club of award winning modelers.

Visit our website at [www.sdmb.yolasite.com](http://www.sdmb.yolasite.com)

You can also find us on Facebook.



Find us on  
Facebook



SDMB is an affiliated club of the International Plastic Modeler's Society

[www.IPMSUSA.org](http://www.IPMSUSA.org)

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