

## **Seminar Descriptions**

Updated 7/21/10

Changes 7/21:

- Added Russell Brown

Changes 7/4:

- Added Session number and re-ordered in that sequence
- Added Brian Baker
- Added Tuskegee Airmen
- Added Ask an Expert series and ABC classes

Changes 6/28:

- Updated Dave Weeks info
- Updated title for Robert Butler

Changes 6/10:

- Updated Tom Grossman info
- Dave Weeks replaces Mike Mackowski for Real Space talk

Changes 6/3:

- Added Capt. Richard Dann

Changes 5/31:

- Updated Tom Grossman's Workshop
- Added Barrett Tillman

## Wednesday, August 4

### 1. **Adult Building Class: Diorama Bases and Scenery** – SuzAnne Christ

We will provide a starter set from Woodland Scenics, including a base, ground cover, foliage, etc. to create the perfect backdrop on which to place your scale equipment.

Suzanne Christ will lead the class.

### 2. **Adult Building Class: Painting Figures** – Jim Stute and Bill Dunkel

This class will focus on painting faces and achieving realistic shadows and highlights on figure models. Because of the number of techniques planned, this will be a three-part course over a three day period. The total fee is still only \$20 and you take the completed figure home.

## Thursday, August 5

### 3. **The Art of Automotive Detailing** – Darryl Peters

This session will cover the art of detailing automotive subjects (engines, transmissions, etc.) using common household items. Realistically detailing automotive models can be a significant challenge for the modeler. However, many readily available items can be used to detail the chassis, engine, and interior. The house and hardware store are filled with items that can be used to generate realistic automotive model details. This seminar will present tips on detailing automotive models and will also include a mini-seminar on resin casting. This session will be interactive and questions are highly encouraged. Electronic copies of the presentation will be available to attendees.

### 4. **Table Top Machining** – David Morton

David Morton, a nationally known car modeler, will demonstrate how to use a Sherline tool to manufacture your own parts. He will provide a basic introduction to machining simple parts (pulleys, tank barrels, wheels for tanks, and various other parts). The seminar will cover safety, the advantages of owning a lathe vs. a mill, truing a part, boring holes, polishing and parting off parts. We will also discuss printed reference material, the pros and cons of various manufacturers tools and online video tutorials.

### 5. **The Chemistry of Modeling** – Bill Sanborn

A little about plastic, solvents and glues from a PhD chemist who also builds some great models.

### 6. **The Art of Real Space Modeling Research: The Saturn IB** - David Weeks

Renowned space modeler David Weeks will describe his scratch built 1/48th scale Saturn IB. He will explain his construction techniques but mostly focus on the research necessary for a detailed project like this. He will talk about using the two existing Saturn IB artifacts as reference and the pitfalls thereof. Mike Mackowski will be there as well with some announcements and cool door prizes.

### 7. **Choosing and Using Your Airbrush Equipment** - Ken Schlotfeldt

Ken will present how to choose the right airbrush for your application and media, and how to use and maintain your airbrush for optimum performance. He will discuss related terminology, spray pressures, paint preparation, helpful accessories, spraying, cleaning, maintaining, and troubleshooting of your airbrush and related equipment. Ken Schlotfeldt is the President of Badger Air-Brush Co., and has worked in the airbrush industry for over 30 years. [Once each, Thu and Fri, 90 minutes each]

**8. Adult Building Class: Painting Figures, Part 2** – Jim Stute and Bill Dunkel

This is part two of three classes.

**9. Building Vacuform Models** – Russell Brown

Phoenix chapter member Russell Brown specialized in building vac-form kits, particularly airliners from Welsh Models. In this demonstration, Russell will show the techniques he uses to make a sturdy model from those thin sheets of thermoformed plastic. Welsh Models has greatly improved the quality of their kits in recent years, and most now feature an easily built vacuform fuselage with the remainder of the kit made of resin or metal. Russ will demonstrate techniques typically used to prepare and build these kits.

**10. Airbrushing Clinic** - Tom Grossman

This will be a 90 minute lecture/demo that would be on tips and tricks to add artistic flair to your models, including tricks on masking. Tom is the Marketing Education and Media Director for Iwata airbrushes as well as a dealer/distributor for them.

**11. Scale Model Photography** - Alan Warner

With the right equipment, proper technique and some experience you can take good photos of your models. Today's cameras are so advanced it is much easier for anyone to obtain quality results. This presentation will compare simple point and shoot compact cameras to full featured SLRs. Alan will discuss the equipment you need and how to use it, including how more capable equipment affects the results you can achieve.

**12. Ask An Expert: Painting**

If you didn't get a chance to ask your question in the other seminars, or just had something out of the blue, here is your chance. We will have a panel of experienced modelers in an open forum session to answer your questions on this topic.

**13. Adult Building Class: Armor Weathering** – Craig Davis

This class will feature the techniques used to capture the wear and tear of the battlefield in your tank models. A kit will be included.

**16. Armor of the Vietnam War** - Jim Mesko

This presentation will cover the various types of armored vehicles used throughout the Vietnam War, starting with French armor in 1945, the early ARVN AFV's, the American deployment of armor, and the ending battles between ARVN and NVA armor. The seminar will concentrate on the wide variety of vehicles used in Indochina and Vietnam, along with unusual markings. If time permits there will be a question and answer period

at the end of the presentation. Jim is a writer for Squadron Signal Publications well-known in IPMS circles and a regular at the Nationals.

**17. Naval Aviation: Cadet to Fleet Attack Squadron in the 1950s** – Jack Anderson

A Phoenix IPMS chapter member, Jack will discuss the training and development of Naval Aviators following the Korean War. The talk will focus on the various missions assigned to attack and special attack squadrons deployed on carriers and the rapid changes and introduction of new, higher performance carrier aircraft from 1954-1958.

**18. Battleship *Arizona*: The New Model, The New Interpretation** – Daniel Martinez

Daniel Martinez is the chief historian at the USS *Arizona* Memorial in Pearl Harbor, Hawaii and has appeared on numerous television documentaries. This presentation will cover a new interpretation of the colors of the USS *Arizona*.

**20. The Centennial of Naval Aviation** – Capt. Richard Dann, US Navy

On May 8, 1911 Navy Capt. Washington Irving Chambers, officer in charge of aviation, prepared the requisition for the Navy's first aircraft to be purchased from aviation pioneer and inventor Glenn H. Curtiss. In the 100 years since, Naval Aviation has figured prominently on both the national and international stage during both peace and wartime. Capt. Dann will talk about the Navy's preparations of the Centennial of Naval Aviation that is taking place throughout 2011.

**21. U.S. Naval Air Superiority** – Tommy Thomason

The history of the development of carrier-based jet fighter aircraft for the U.S. Navy from the Phantom I to the Phantom II, including the parallel efforts required to make carriers compatible with jets and create new air-to-air weapons to deal with the jet bomber threat. The characteristics of propeller-driven and jet-propelled airplanes are compared and contrasted. Research programs will be briefly described along with summary histories of each Navy jet program.

**Friday, August 6**

**25. Automotive Gloss Finishes** - Bill + Dick Engar

“Dem Brudders” will start by covering automobile modeling with an emphasis on improving basic construction and getting a great gloss shine and finish and sharp looking interior. They will also discuss gloss and metal finishes on aircraft and other types of models.

**26. Airbrush Hands-On Workshop** - Tom Grossman

This will be a 90-minute long, hands-on session where you would actually use an airbrush in a class-like setting. You can learn how to increase your creative expression with a new piece of equipment. Participants will be eligible for specially priced airbrush packages. Hands-on participation will be limited to 12 people per session. There is no additional fee, but to reserve a spot, contact Tom directly at [tom@hummingline.com](mailto:tom@hummingline.com) or 719-268-9848 and for information about the specials.

- 27. Choosing and Using Your Airbrush Equipment - Ken Schlotfeldt**  
Ken will present this 90-minute seminar a second time.
- 28. Painting Realistic Figures & Animals – Robert Butler**  
Outlined in this seminar: Color Mixing Explained-selecting the best color pallet for Human Figures and Realistic Animals in miniature. Light and Shadow-Shading and Highlighting with an Airbrush, Matching Values-Working with The Gray Scale, Techniques and Tips from a life time in the Arts. Printed text/charts will be provided. Robert Butler has created artwork for: The Discovery Channel, The Smithsonian, Museums, Educational Institutions and private collections worldwide. [90 minutes]
- 29. Finishing Techniques using MIG Productions Products – Rick Lawler**  
Rick will discuss and demonstrate the various techniques used in the application of pigments in conjunction with other finishing products, i.e. artist's oils, washes, filters, etc. The intent of the seminar will be to briefly discuss the basics of pigment applications and then move on to demonstrations of more advanced techniques used to achieve realistic finishes on models. Questions and interaction with those in attendance and will be encouraged and the topic can be somewhat dictated by this interaction.
- 30. Scratchbuilding – Dave Straub**  
Well known airship modeler, Dave will explain how to get started in scratch building. He will cover the research, photos, drawings, type of tools and materials one can use. Dave will show how to carve and machine masters for making molds as well as casting tricks for both resin and metal. He will also describe how to make your own decals.
- 31. What Judges Look For – Mike Polk**  
The IPMS/USA Head Judge will explain what criteria judges use in evaluating contest entries. He will point out what matters most and how judges make those tough decisions on Friday night.
- 33. The Art and History of the Obscure Kit - Bill + Dick Engar**  
Bill and Dick, always known for their off-beat column in the IPMS Journal, will take a whimsical look at the art and history of some more obscure models such as ITC dog kits and Aurora's monster kits, Weird-ohs and Fink models.
- 34. Ask An Expert: Armor**  
If you didn't get a chance to ask your question in the other seminars, or just had something out of the blue, here is your chance. We will have a panel of experienced modelers in an open forum session to answer your questions on this topic.
- 35. How to Host an IPMS National Convention – SuzAnne Christ**  
SuzAnne is the spouse of convention chair Dick Christ and is essentially the vice-chair. She will describe all the little details needed to ensure the Nats runs smoothly. If you've ever considered having your home chapter host one of these bashes, here's a great chance to get some inside information.

**36. Adult Building Class: Painting Figures, Part 3** – Jim Stute and Bill Dunkel

This is part three of three classes.

**37. Colors & Markings of 147th Aero Squadron Colors and Markings (Nieuports and Spads)** - Alan L. Roesler

The presentation will include color profiles and photos, and black/white photos of numbered (fuselage) Nieuport 28s and Spad XIII's, identifying and showing the pilots assigned to each aircraft, as well as cowling and wheel cover colors for each of three flights: A, B and C. Top wing numbering and squadron insignia would also be discussed.

**38. Photo Essay: Classic Civilian Aircraft** – Brian Baker

A member of the original group that founded the first IPMS chapter in Phoenix, Brian will be sharing a small portion of his extensive collection of aircraft photos.

**39. U.S. Navy Attack Aircraft Development** – Tommy Thomason

The history of the development of carrier-based attack aircraft for the U.S. Navy from World War II to the present day, including the creation of new weapons to increase strike effectiveness and features like stealth to improve survivability. Brief histories of all the major and most minor airplane and weapon programs are covered as well as false starts.

**40. The History and Modeling of Flying Boats** – Dave Straub

In this presentation, Dave will cover the history of flying boat, particularly on their heyday in the 1920s and 30s. He will focus mostly on civilian aircraft and will discuss what kits are available of these classic seaplanes.

**41. Showdown at Little Big Horn: The Epic of Custer's Last Stand** – Daniel Martinez

While Daniel Martinez is primarily known for his association with the USS *Arizona* Memorial in Pearl Harbor, he has also researched this classic battle of the American West.

**42. Whirlwind: The Air War Against Japan** – Barrett Tillman

Barrett Tillman will describe the research and writing of *Whirlwind*, his best-selling study of all allied air operations over Japan. He will answer questions from the floor, and will have copies of several of his books before and after the event.

**43. Armor of the Vietnam War** - Jim Mesko

Jim will give a repeat presentation of his seminar from Thursday.

**Saturday, August 7**

**Judges Critique** – Assorted National Judges

On Saturday morning, there will be a panel of national judges in the contest room that will "critique" models, if the modeler brings them to the table. They will look over your model and tell you what is wrong and what is right. It's a good way to get specific hints and tips and expert feedback on your work. They will not compare models, only critique the model in front of them.

**46. Painting Dinosaurs with an Airbrush** – Robert Butler

Robert will describe how to use your airbrush to paint dinosaurs from concept sketch all the way through to a finished life restoration. Topics will include researching your subject, Conceptual Design Sketches/Color Studies-Applying the Patterns of the Natural World. Complete Color Mixing for Paleo Subjects. Rendering Teeth, Eyes and Claws . Printed text/charts will be provided. [90 minutes]

**48. The Art of Automotive Finishes – Darryl Peters**

The challenge of an apparently flawless automotive model finish has prevented many modelers from attempting automotive subjects. This seminar will review basics for body preparation, the many types of paints available to the modeler, and will also include a mini-seminar on decal application. The speaker is a chemist by training, and will discuss different paints ranging from automotive refinishing products to hobby enamels and lacquers. Suggestions and tips will be provided for safety, priming and sealing, extracting paints from spray cans, thinner mixing ratios, general airbrushing techniques, airbrushing procedures used to get high quality finishes, how to repair mistakes, and final finishing techniques. The seminar will be interactive and questions are highly encouraged. Electronic copies of the presentation will be available to attendees.

**51. Ask An Expert: Aircraft**

If you didn't get a chance to ask your question in the other seminars, or just had something out of the blue, here is your chance. We will have a panel of experienced modelers in an open forum session to answer your questions on this topic.

**53. Tuskegee Airmen**

The Tuskegee Airmen were the first African American military aviators in the United States armed forces. The Tuskegee Airmen were subject to racial discrimination, both within and outside the army. Despite these adversities, they flew with distinction. A representative from the local Archer-Ragsdale Chapter will tell their story.

**54. Adult Building Class: Aircraft Weathering – Roy Sutherland**

You'll get to practice that perfectly weathered and faded paint job on an aircraft kit. Roy Sutherland will show you all the tips and tricks, with all the paint and tools included and you take the finished product with you.