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Welcome to the latest issue of our newsletter. We try REALLY hard to publish this each month, but sometimes stuff happens, or you know, CRS flair ups occur. Of course, what's published in this newsletter is probably out of date, known by everyone already, or completely off-topic. Maybe everyone will like the pretty colors, but then your ink cartridge will probably run out after only printing a couple pages. This paragraph is what's known as "filler text", which we needed since we added the snazzy table of contents and this area was kind of empty.

Additionally, we have returned the "Classified Ad" section to the newsletter. This section will give you a space to advertise items you want to barter, swap, sale or trade. Or even a request for research material. Check it out. Contact the seller directly. Note personal email addresses are not listed on the public site. Contact the seller directly via his/her email addresses.

Check out our website for more info & photos:  
<http://www.ampscentralsouthcarolina.org/>



Visit us on Facebook at:  
<https://www.facebook.com/ampscentralsouthcarolina>

**Regular Meeting Minutes, 14 June, 2017**

Our last meeting was held on Wednesday, June 14, 2017 from 6-8 pm at the HobbyTown store in the Publix Shipping Center (North Pointe Shopping Center), Two Notch Road, Columbia (NE). We had 24 members in attendance. The modelers brought 15 models & figures for Show & Tell. We didn't have a raffle this month. Well, we did just have a REALLY awesome one the **previous** Saturday at our show. Please see our website for photos of the models that were brought in for Show & Tell, of the meeting, and of the raffle prize (if we had one).

- 1) M1A1 Abrams OIF (Academy + Tamiya Tracks), 1/35 – Ben Brandes
- 2) M109A6 Paladin (Italeri), 1/35 – Ben Brandes
- 3) M2A2 Bradley (Tamiya + AFV Club Tracks, scratch-built Vision Lenses from Party Ribbon). 1/35 – Ben Brandes
- 4) Oden (Unknown Manufacturer), 30mm – Tom McCoy
- 5) General Custer (Kirin), 1/50 – Tom McCoy
- 6) Laurent Gouvion, Marquis de Saint-Cyr, General of the Cuirassiers 1804 (St. Petersburg), 54mm – Tom McCoy
- 7) 10.5cm s.K.18 Howitzer (Toxso Model), 1/72 – Bob Kerfonta
- 8) King Tiger II (Porche) (Bought Built + Custom Dioramics Resin Building), 1/35 – Robin Evans
- 9) M40 155mm SP Howitzer “Two-fer” (Tamiya & AFV Club + Resin copy of the Tamiya Gun), 1/35 – Carl Wethington
- 10) Israeli M51 “Super Sherman” (Academy + Eduard PE, scratch-built Mantlet Cover), 1/35 - Matthew Goodman
- 11) SU-101 (Trumpeter + Magic Hobby Metal Barrel), 1/35 – Dave Varettoni
- 12) Panzer Kampfwagen II Ausf. F/G (Tamiya), 1/35 – Nicholas Sherrer
- 13) T-34/85 (Tamiya hull + CMK resin Turret & Chesapeake Model Designs resin Wheels, scratch made Handles), 1/35 – Dave Cicimurri
- 14) SU-100 (Tamiya Lower Hull & Resin Upper Hull + Aber turned Barrel, scratch-built Handles, Modified the Mantlet to SU-100), 1/35 – Dave Cirimurri
- 15) Millennium Falcon (DeAgostini + scratch-build Landing Gear & Details, Engines, Light Kit, 3D printed Cannons, Figure), 1/43 – Daniel Karnes

Photo Album on our webpage: <http://www.ampscentralsouthcarolina.org/meeting-photos.html>

**Business items:**

1) Treasurer’s report (corrected): Current bank balance is approximately \$5,263.45, including \$200 cash on-hand, and the remainder is in the bank account (pending a \$320 outstanding check to the RCSD for Show Security). Our show profit was \$652.71.

**Note:** We still had two outstanding NACM reimbursements. Please see the treasurer, Ralph Nardone, if you’re the last member who has not met your \$25 pledge. **If we don’t get your pledge soon, we’ll offer your paver stone to the general membership for purchase.**

**Reminder:** I will no longer be reminding members that the 2017 club dues are due. **If you haven’t paid your dues by this month (June), your name will be dropped from the current membership rolls.**

2) Show Report (see show stat slides in June’s newsletter). We had 36 AMPS entrants with 102 models. The Flight Deck side of the show had 20 entrants with another 55 models giving us a total of 157 models entered. We sold 14 vendor tables and awarded 71 AMPS medals.

3) We discussed and voted on the following”

- a. A “yes” vote on hosting a 2018 show.
  - b. A “yes” vote on inviting the IPMS Swamp Foxes chapter to co-host.
  - c. A “yes” vote on using the same venue.
- 4) We tabled discussion and voting on participation in the 2017 “Toy Soldier Show” at the SC State Museum. The issue remains open.
- 5) The floor was opened for new business:
- a. The HobbyTown will have a “new grand-opening” in July.
  - b. A suggestion was made to improve the entrance signage at our next show.
- 6) Mike Roof presented a “how to” demo on the use of artist dry pigments and chalk pastels

**Regular Show & Tell:** See the meeting photos for all of the completed and works in progress brought to this month’s meeting!

**Tentative Agenda, Regular Meeting, 12 July, 2017**

Our next regular meeting will be held on Wednesday, July 12, 2017, 6-8 pm, at the HobbyTown store in the Publix Shopping Center (North Pointe Shopping Center), on Two Notch Road, Columbia (NE).

**Tentative Agenda Business items:**

- 1) Treasurer’s Report:
- a. **Total Treasury** - \$5,263.45 (pending a \$320 outstanding check to the RCSD for Show Security)
  - b. **Bank Balance** - \$5,063.45 (pending a \$320 outstanding check to the RCSD for Show Security)
  - c. **Cash on Hand** - \$200.00 (with treasurer)
  - d. **2017 Show Profit** - \$652.71 (see P&L for full details)
- 2) Discuss and vote on participation in a large diorama project for the SC State Museum.
- a. A statement of requirements was sent to us from the museum through Dave Ciccimurri for a large diorama (1/72 scale) of a Vietnam fire support base – specifically, FSB RIPCORD.
  - b. Based on research and the time available, the project is feasible if we have enough members willing to volunteer to work on it. Completion date is mid-January 2018.
  - c. Mike Roof has met with and discussed the project with Dr. Fritz Hamer at the museum. After this meeting, in which we discussed the details of the proposed diorama along with its estimated costs, the museum is still interested in us doing it.
  - d. In regards to financing the project, a written contract would be made between the club and the museum. The club would pay the upfront costs from our treasury with the museum then reimbursing the cost of materials (to include the models) after receipt of receipts. It is

possible that the museum would give us an “initial construction draw” to get the project started.

- e. Total estimated costs will be about \$5,383 with the full acrylic box enclosure being the most expensive item (~\$2,600).
- f. Dr. Hamer will present his recommendations and requests to the museum’s director and let us know if they will do the project.
- g. The diorama would be constructed off-site, moved in modules to the museum, and then undergo final assembly. The club would be responsible for this. The museum would allow us to work on-site for the final assembly.
- h. Mike Roof will present a detailed briefing on the proposed diorama, after which we discuss and tentatively vote on accepting the contract under the above broad terms.

3) Discuss the possibility of the club participating in an “AMPS South Region Club Display” at the AAF Museum, Danville, VA. Objective is to gauge likely participation and interest.

4) Floor will be open for new business.

**Regular Show & Tell:** to follow the business portion of the meeting. Finished models, works in progress and cool new stuff – Bring it all with you to share!

*Mike Roof*

REMINDER: **The HobbyTown store will close at 7:00 pm (1900).** This means that all purchases at the store must be made before then so that the cash registers can be closed.

6:15 pm (1810): Admin business and Show & Tell.

6:50 pm (1850): Break: Shopping & Social Mixer. Cash registers close at 8:00 pm.

7:10 pm (1910): Reconvene: Continue Show & Tell: Builds and WIPs

8:00 pm (2000): Meeting ends (officially)

*Regular meetings are held on 2<sup>nd</sup> Wednesdays of each month at 6:00 pm (1800) at the HobbyTown store, 10120 Two Notch Road, Suite 5, Columbia, SC 29223, (803) 736-0959.*

## Up-coming Events

**AMPS Atlanta 2018**, Atlanta Armor, Figure, and Modeling Contest and Exhibition, February 16-18, 2018. Atlanta Marriott Century Center, 2000 Century Blvd., Atlanta, GA 30345, 404-325-0000.

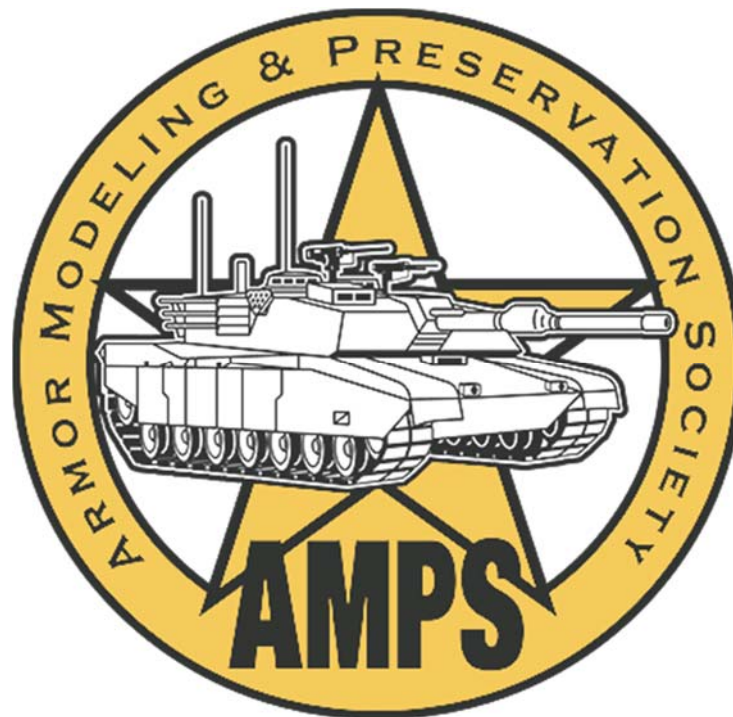
**2018 Show Theme: “REFORGER 1969 - 1989”** (Any Tracked or Wheeled Vehicle used by a NATO country during any REFORGER Exercises).

See the AMPS Atlanta Show page for info at:

<http://www.ampsatlanta.org/amps-atlanta-annual-show.html>



**AMPS 2018 International Convention**, Hope Hotel and Richard C. Holbrooke Conference Center, Dayton, OH, Phone: (203) 794-0600, May 3 to 5, 2018. **2018 Convention Theme: TBA.** See the AMPS Homepage for info at: <http://www.amps-armor.org/SiteShows/ShowMain.aspx?sid=71#Show-Theme>





## 2017 New Releases

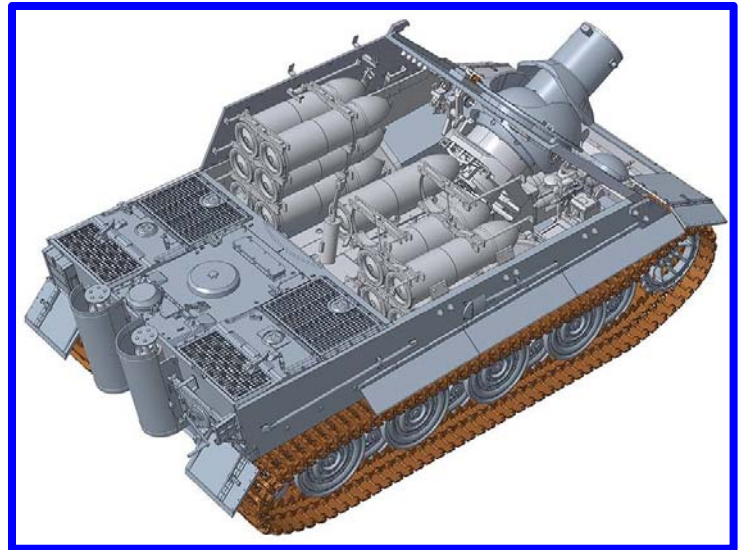
- **M752 Lance Self-Propelled Missile Launcher** – Dragon, 1/35<sup>th</sup> scale, kit #3576.

This M752 is understandably 100% newly tooled. Furthermore, it's the only full plastic kit of this US-manufactured tracked missile launcher currently available on the market.



- **Sturmtiger, w/ Full Interior** – Rye Field Model, 1/35<sup>th</sup> scale, kit # TBA.

*Sturmtiger* (German: "Assault Tiger") was a World War II German assault gun built on the Tiger I chassis and armed with a 380mm rocket-propelled round.



- **Kettenkrad, Sd.Kfz. 2 Kleines Kettenkraftrad Typ HK 101** – Italeri, 1/9<sup>th</sup> scale, kit #7404.

Working suspensions, openable lids, highly detailed engine, highly detailed decals sheet, running tracks, tool set.



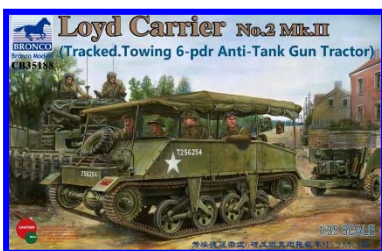
## Members Build Blogs

Build Blogs give an in-depth review of the construction process and allow the builders to share their knowledge. We are fortunate to have some of the members in our club with build blogs on modeling web sites.

Mike Roof has 2 on Track-Link.com:



MiniArt T-44 Soviet Medium Tank, Kit # 35193  
[http://www.track-link.com/forums/site\\_blogs/27686](http://www.track-link.com/forums/site_blogs/27686)



Bronco Loyd Carrier No. 2, Mk II (Tracked Towing 6-pdr Anti-Tank Gun Tractor), # CB35188, towing a Riich British Ordnance QF Mk. IV A-T Gun 6 Pdr, # 35042  
[http://www.track-link.com/forums/site\\_blogs/22053](http://www.track-link.com/forums/site_blogs/22053)

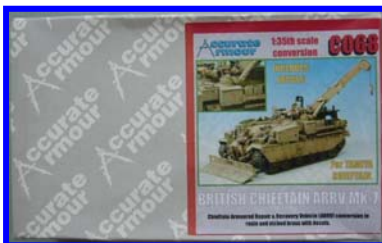
Jeff Nelson has 1 on Armorama.com:



Fine Molds Japan Ground Self-Defense Force Type 60 APC, FM40  
[http://www.armorama.com/modules.php?op=modload&name=SquawkBox&file=index&req=viewtopic&topic\\_id=213731&page=1#2056793](http://www.armorama.com/modules.php?op=modload&name=SquawkBox&file=index&req=viewtopic&topic_id=213731&page=1#2056793)

Additionally, Jeff did an In-Box-Review of this kit.  
<http://armorama.com/modules.php?op=modload&name=Reviews&file=index&req=showcontent&id=9272>

Keith Frape also has 2 on Armorama.com:



Chieftain Mk. 7 ARR (Tamiya + Accurate Armor Conversion)  
[http://www.armorama.com/modules.php?op=modload&name=SquawkBox&file=index&req=viewtopic&topic\\_id=241027](http://www.armorama.com/modules.php?op=modload&name=SquawkBox&file=index&req=viewtopic&topic_id=241027)



Up Armored Scimitar LEP with Bar Armor (AFV Club + Castoff Models Conversion)  
[http://armorama.com/modules.php?op=modload&name=SquawkBox&file=index&req=viewtopic&topic\\_id=212968](http://armorama.com/modules.php?op=modload&name=SquawkBox&file=index&req=viewtopic&topic_id=212968)

Bryan Moeller has one on Armorama.com:



Flakpanzer IV “Kugelblitz” (Cyber-Hobby's 1/35 scale “Orange Box” Series Kit #09 + Dragon's 1/35 Pz.Kpfw. IV Ausf. J Mid Production, Smart Kit #6556)

[http://www.armorama.com/modules.php?op=modload&name=SquadBox&file=index&req=viewtopic&topic\\_id=250681#2120546](http://www.armorama.com/modules.php?op=modload&name=SquadBox&file=index&req=viewtopic&topic_id=250681#2120546)

## Interesting Articles – The Glorified “Hot – Glue Gun”

During my time at Shaw this summer I discovered a program they have called MakerSpace. It's basically an engineer's playhouse with 3D printing, laser-cutting, CNC machines, and electronics galore. Because of this space I really got a chance to check out 3D printing and explore its possibilities for modeling.

There is a learning curve to 3D printing, this was learning how to create something in a CAD program. Inkscape and Fusion360 are both free to use and have plenty of YouTube tutorials. One cool feature of Fusion 360 is that you can pull an item off of an image and it will create a 3D rendering of the item. It took some time to master, but I was able to pull a Knights Cross off of a photo and render it. Having the ability to do this opens many a door for creating scale figures or items. I've been trying to create figures of our club members posing on the King Tiger at Ft. Benning back in November, but the complexity of the photo is making it difficult.

Once the items are rendered in CAD and saved as files you can simply drag and drop the file onto the interface of the software that the printer uses to print. Once the item is there you can click on “print” and the software will take you through some final steps to create the “best” print based on what your needs are, such as density, and how to print the item to ensure even strength along the X, Y, and Z axis. After that it's really just watching the printer build layer after layer until the item is done.

3D printing has the potential to allow modelers to create anything they could think of, and even allow manufacturers' to sell files of kits and have them printed at home by the modelers. The only down side to 3D printing is the high cost of capital to get started. Aside from the cost, it is well worth exploring for modeling purposes.

Trevor Edwards  
Contributing “Wildcat” Chapter Member

## Interesting Articles – Humidity and Your Model

What is humidity? Humidity is the amount of water vapor present in the air. Water vapor is the gaseous state of water and is invisible to the human eye. Relative humidity is the amount of water vapor present in air expressed as a percentage of the amount needed for saturation at the same temperature.

While each and every scenario is different, spray painting is typically best done in environments



with a relative humidity of 40-50%. When the relative humidity level drops below 30%, problems begin to arise, one of which is the simple fact that paint dries increasingly fast at this level. You have to remember that the speed at which paint dries is directly influenced to the level of airborne moisture vapor. When there's no enough moisture vapor in the air, the paint will evaporate into the air in an attempt to create a balanced atmosphere. This can pose serious problems for workers who are trying to create an even, consistent spray paint job.

High humidity can be equally as problematic for workers attempting to spray paint a surface. As the humidity rises, it will take longer and longer for paint to dry. Depending on just how high the humidity rises, some paint may never dry, which of course is a severe problem for businesses that perform spray painting services. If the paint never dries, you won't be able to touch, let alone move/ship, the painted object.

A good rule of thumb is to maintain a 40-50% relative humidity in the area where you intend to spray paint. This is a stable environment that's not too dry but not overly saturated either.

Humidity can be monitored and controlled through the use of a commercial-grade humidifier, such as the ones offered here at SmartFog.com. The bottom line is that you need to keep tabs on the relative humidity of your workplace.

<http://www.smartfog.com/spray-painting-and-humidity-what-you-should-know.html>

The image shows a screenshot of the Smart Fog website. At the top, the 'Smart fog' logo is on the left, and contact information including 'Request Quote', phone numbers (1-800-921-5230, +1-775-954-0070), and email (info@smartfog.com) is on the right. A 'made in USA' logo is also present. Below the header is a navigation menu with links for 'WHY SMART FOG', 'PRODUCTS', 'TECHNOLOGY', 'COMPANY', 'CONTACT', and 'BLOG'. The main content area features the article title 'Spray Painting and Humidity: What You Should Know' in large blue text, with a sub-headline 'June 15th, 2015 by Smart Fog'. Below the text is a photograph of a paintbrush resting on a color chart. To the right of the article is a 'Recent Posts' section with four bullet points: 'The Growing Need for Industrial Humidifiers in Clean Rooms', 'How Industrial Humidifiers Control Electro Static Discharge in the Manufacturing Industry', '3 Benefits of Industrial Humidifiers in the Wine Industry', and '4 Ways Industrial Humidifiers Work in Print Shops'. At the bottom right is a 'SMART FOG NEWS' section with one bullet point: 'August 13 2014 Smart Fog introduces new Printing humidification'.

The following is an excellent web link that troubleshoots painting problems. It is broken down into four areas: Condition, Cause, Prevention and Remedy. Additionally, pictures are presented for each troubling area. I only wish I had looked at this site before I started modeling.

<http://modeltech.tripod.com/paintprobs.htm>

## PAINT PROBLEMS AND SOLUTIONS

By: Klaus Raddatz

Paint application seems to be one of those more difficult areas of modeling to master. It's not an exact science, and the number of variables involved and how they affect one another along with finish quality, can befuddle even an experienced painter. And while a lot of great tips, advice, and techniques show up almost everywhere, troubleshooting paint problems sight unseen, is still pretty tough.

So, to add to the troubleshooting information arsenal, I shoveled the dust off of my old reference books and put together a list of paint problems and their causes. Notice I didn't say a **complete** list. This list is by no means complete, as plenty of other problems exist, but I tried to pare it down to those that are more likely to be encountered in the little booth.

It's all in alphabetical order and broken down into four areas: Condition, Cause, Prevention, and Remedy. The numbered items in Cause and Prevention are relative to one another, for example, Cause number 1 for a given problem can be avoided by Prevention number 1 for that same problem.

I hope you find it useful.

Klaus

Phil Cavender  
AMPS # 3060, IPMS# 50085  
Editor, "The Wildcat"

## Interesting Article – Book Review: Early US Armor

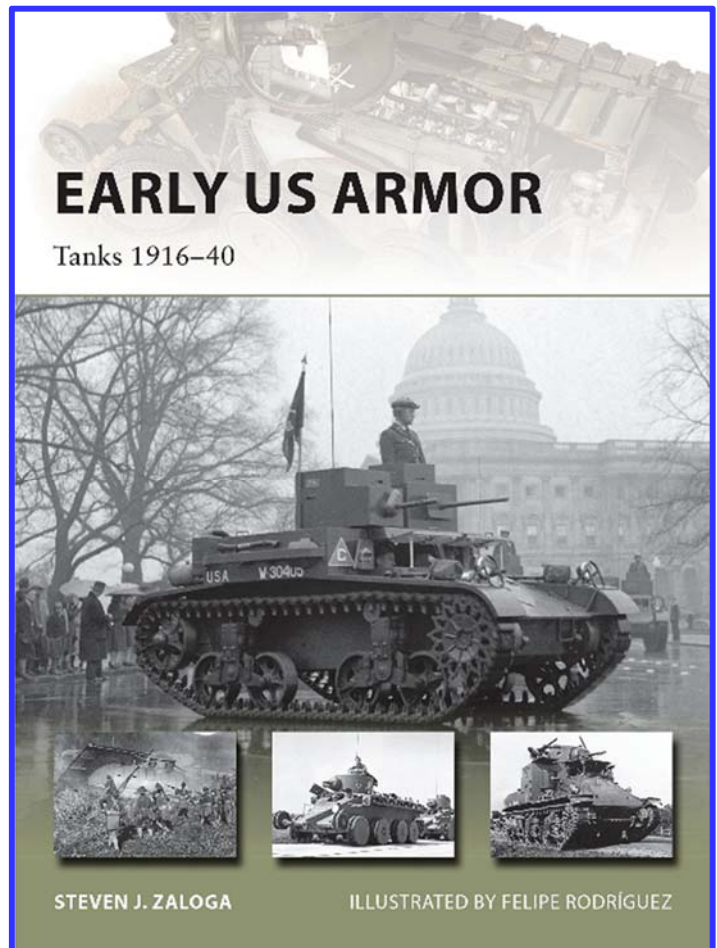
### Osprey ~ Early US Armor, Tanks 1916-40 (SC)

Author: Steven J. Zaloga  
Illustrations by: Felipe Rodriguez  
Company: Osprey Publishing  
ISBN: 978-1-47281-807-2  
Other Publication Information: 48 pages,  
paperback with 50 black & white photographs,  
12 color illustrations, and 1 color photograph.  
Price: \$18 (USD) (Currently on sale for \$9.75  
for Amazon Prime Members)

Steven Zaloga has produced yet another excellent work on armor history, this time focusing on the early American armored forces beginning in the primitive stages of armored vehicle development with the U.S. Army, and to a small degree the early uses of Armor by the U.S. Marine Corps.

#### American Tank Origins

This section addresses the developments of vehicles produced Holt Caterpillar and C.L. Best Company from agricultural tracked tractors into field artillery prime movers and other domestic developments such as the



CLB 75 Tracklayer build by C.L. Best company.

## **The Tank Corps**

The topic of this section zeroes in on how the U.S. Ordnance department obtained examples of foreign tanks during the First World War such as the French Renault F.T. 17 and the British Mark V tanks. The joint Anglo American venture of the Mark VIII heavy tank is also covered in this section.

## **Tank Corps Disbanded**

Following the conclusion of the Great War, support for further armored vehicle development began to wane and in this section the cause of these factors is unpacked. Further development of American versions for the F.T. 17 as well as the heavy tanks of the early armored forces is addressed with color illustrations that will be especially helpful for any modeler desiring to build some of the earliest examples of U.S. Armor.

## **Early Christie Tanks**

Other publications simply pass off Mr. Christie as an eccentric without going into much detail as to why he was characterized in this manner. Mr. Zaloga does a great job in this section detailing some of the strange behavior that Mr. Christie displayed while attempting to land lucrative contracts for building tanks for the U.S. Army in 1919-1924, including one example of Christie offering the Army the M1921 convertible tank for a whopping \$82,000 less testing costs.

## **Rock Island Arsenal Tanks**

This section chronicles the U.S. Ordnance departments own forays into tank development at Rock Island Arsenal from 1919-1931 including such designs as the T1 Medium tank and the T1E1 light tank.

## **The Christie Distraction**

The second attempt of Mr. Christie to land substantial contracts for building tanks is addressed in this section. Mr. Christie's publicity stunts and personal rapport with U.S. Army cavalry leaders such as George S. Patton are addressed as well as the eventual shift of his sales focus from U.S. military purchases to foreign markets are also covered. With the sales of his T3E1 convertible tank to Russia which later lead to the development of the Soviet Union's T-34, Mr. Christie had finally soured all ties with influential U.S. Military Officials.

## **Knox's Light Tanks**

Harry Knox also provided designs for the U.S. Military during the period the Mr. Christie offered his designs. Knox began with designs heavily influenced by British vehicles such as the Vickers six ton tank; however he eventually developed more successful and reliable vehicles than Mr. Christie, such as the M2A1 and M1 light combat car.

## **Combat Cars and Infantry Tanks**

This section addresses changes in development including increased armor protection, improved mobility, and better firepower of both machine guns and light antitank weapons like the 37mm cannon.

## **Cavalry Combat Cars**

The improved overall reliability of U.S. light tanks, known as cavalry combat cars at this time is addressed here. It includes a black and white photograph of Patton's M1A1 light tank during the Tennessee maneuvers of the Second Army in 1941.

## **Infantry Light Tanks**

This section chronicles the difficulties faced with the Army regarding its procurement budget during the late 1930's resulting in having to utilize common vehicles for both Cavalry and infantry units. A helpful table is offered comparing specifications of contemporary tanks offered in the 1930's.

## **Increasing Armor and Firepower**

The lessons that the Army was learning from armored warfare during the Spanish Civil War as well as the fall of France in 1940 are addressed in this section. Increased armor, firepower, and mobility were more and more at the forefront of U.S. Tank development after the war clouds gathered in Europe during the late 1930's.

## **The M2 medium Tank**

The development of a medium tank began in 1934 with the advent of the M2 Medium which sported more machine guns and a 37mm main gun, while also serving as a testbed for larger caliber main guns such as attempts to employ the 75mm pack howitzer.

## **Marine Corps Tanks**

This brief paragraph addresses the Marine Corps entry into Mechanization with the use of Marmon- Harrington CLT-3's from 1935-39 and its use of the M2 Medium as the only occurrence of its use in combat during WWII with the Marines in the Battle for Guadalcanal in August 1942.

## **Export Tanks**

This paragraph notes Marmon-Harrington armor sales to both Mexico and the Netherlands as well as the Caterpillar Tractor Company's sales of light tanks to Afghanistan.

## **In Retrospect**

In the two paragraphs of this section the contributions of early U.S. tanks are noted which led to more successful and recognized vehicles such as the M3 Lee medium, M4A1 Medium, and the M3 & M5 light Stuart tanks.

## **Further Reading**

Zaloga closes with a brief description of the records and other works that he consulted to author this book.

## **Index**

In conclusion I highly recommend this excellent publication by Steven Zaloga. He continues to address lesser known yet important subjects in armored history with this new work and addresses several key details to what impacted the American Armored forces spanning from 1916 until just before the U.S. Military's entry into hostilities in 1941. I especially appreciated the sections on the Christie tanks, as many publications give this vehicle a quick wink and fail to provide the significant details about why the U.S. Army initially held his unorthodox vehicles with interest only to later reject them after having to deal with Mr. Christie's odd and frustrating behavior.

Ben Brandes  
Contributing "Wildcat" Chapter Member



## Interesting Article – How To Get That Extra 0.5 Point Bonus for References

At our recent show, I spent 4 hours in the judging pit gaining my Table Captain pin, and noticed that several entries did not provide any reference sheet, thereby throwing away a free ½ point. And that half-point could have taken you up one award level.

OK, so what is a Reference Sheet? It is a document of 2-pages or less that provides an information link between the research they performed (in the proper FORMAT) and the (changes made by the modeler of his/her, the LINK) finished model being judged. For a full description go to <http://amps-armor.org/SiteMain/AMPSJudgingSystem.aspx> and you'll find the official description.

First you will need a bibliography of your research. That will list the title of the reference, Author, Publisher, location of publisher and date; very similar to what you did for papers back in school. Then you will need to show what that reference taught you and how you incorporated it into your model - for example "this book showed the differences in the turret and stowage from a T-34/85 from Factory "X" and from Factory "Y".

Here is an example of how I list the bibliography (The FORMAT):

- "M5 Stuart Tank - Walk Around", by Jim Mesko, Squadron/Signal, Carrollton, TX, 2010  
*This reference provided info on tool location.*
- "British Tanks in Normandy", by Ludovic Fortin, Histoire & Collections, Paris, France, 2010  
*This reference provided accurate placement of the unit markings on the rear of the vehicle.*

You may also include photos in your research, and this might help with the info below. Please note that you must include how you used that reference, just listing the title of the book will not work and you will not get the half-point.

Now your research will have to provide a LINK, both direct and/or in-direct, to the model.

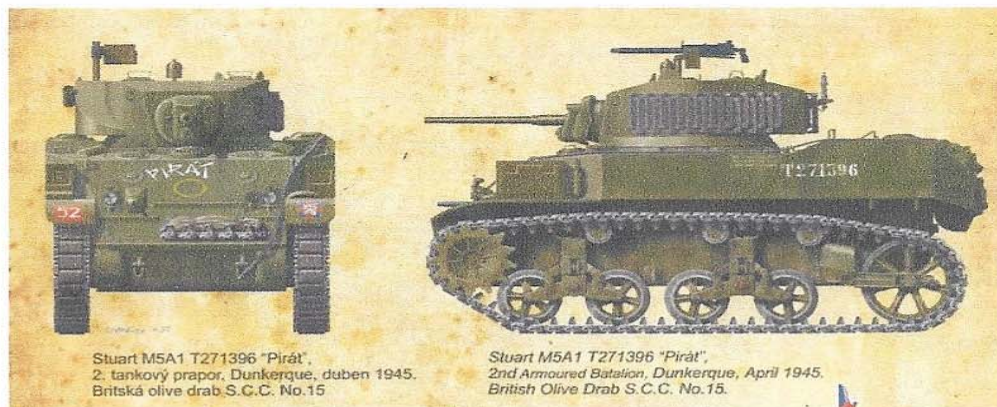
- A direct link will show, for example, you have taken a photo of a vehicle and built it exactly as shown in the photo. Also, the examples above also constitute a direct link.
- An in-direct link is you have shown a vehicle from unit X but you built your model as another vehicle in the same unit but not the one pictured. For example, you are building a Sd.Kfz. 184 Ferdinand at Kursk and you are modeling 'turret number' 134, but applying the decals, your 134 fell apart and you not have any extras of the same number with the kit or in your spares box, but you found 132 in the same style/font. So you are depicting a different vehicle in the same unit.

I do my reference sheets as a simple Word document and attach photos as needed. Here is a sample of one of my reference sheets:

**REFERENCE SHEET:  
Czech Independent Brigade M5A1  
Dunkirk, France, 1945**

**References Used and Research Description:**

- Black Lion decals provided these two reference photos



- "M5 Stuart Tank - Walk Around", by Jim Mesko, Squadron/Signal Publications, Carrollton, TX, 2010

*this reference provided info on tool location,*

- "British Tanks in Normandy", by Ludovic Fortin, Histoire & Collections, Paris, France, 2010

*this reference provided accurate placement of the unit markings on the rear of the vehicle*

Since I have started using this type of reference sheet, I have always gotten my bonus point. It's easy to do and worth the time you spend crating this document.

Tim Darrah  
AMPS #2545, IPMS/USA #8821  
Contributing "Wildcat" Chapter Member

**Editor's Note:** Below is the Optional Research Bonus slide from the AMPS Judge's Certification Training.

If a modeler has found or knows of specific information unique to the vehicle he/she is portraying, it's the modeler's responsibility to include this in their Optional Research Bonus document to inform the Judges. By doing so, not only might the modeler gain the extra ½ point, but he/she likely would also prevent the judges from deducting points because they were not aware of this information.

Examples could be:

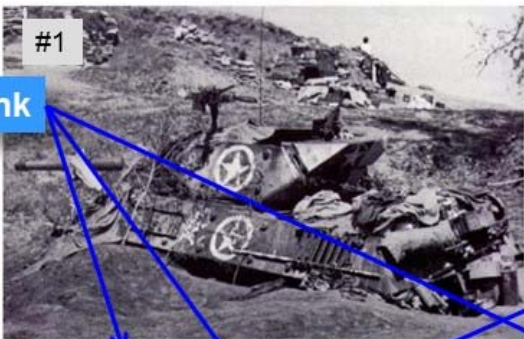
- Shiny plastic sticker markings.
- Molded ridges on rubber tires.
- A specific paint color or finish (i.e.; gloss).
- A non-standard weapon.

## Judging Criteria

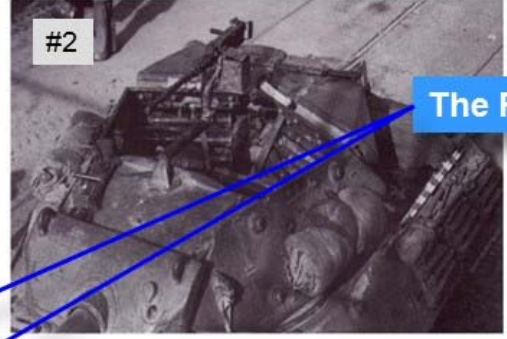
### Optional Research Bonus:

M10 at ANZIO    M10 mid-production 601st TD, Anzio, Italy 1944

#1



#2



**Markings:** *Allied Tank Destroyers* by Bryan Perrett, page 10  
Osprey Vanguard 10, Osprey Publishing Ltd, London, 1979


**MG Mount:** *Allied Tank Destroyers* by Bryan Perrett, page 12  
Osprey Vanguard 10, Osprey Publishing Ltd, London, 1979

**Description of Research:**

- This model represents a mid production M10 in action February 1944 at Anzio with the **601<sup>st</sup> Tank Destroyer Battalion**.
- The vehicle is dug in as per **image #1** and uses similar markings, being the last TD (12) in Alpha Company.
- Image #2** shows a field mod Anti-Aircraft MG mount also photographed in Italy during 1944.
- The **camouflage colors** follow Mike Chappell's color plate in *Allied Tank Destroyers* by Bryan Perrett, plate B-1.

**References:**

*Allied Tank Destroyers* by Bryan Perrett, Osprey Vanguard 10, Osprey Publishing Ltd, London, 1979  
*Allied Tanks Italy: World War Two* by Bryan Perrett, Tanks Illustrated No. 20, Arms and Armour Press Ltd, London, 1985  
*U.S. Tank Destroyers in Combat 1941-1945* by Steven J. Zaloga, Concord Publications Co., Hong King, 1996  
*M10 and M36 Tank Destroyers 1941-53* by S J Zaloga, Osprey Publishing, Oxford, 2002



*Armor Modeling & Preservation Society*



## The USA Historical AFV Register

Mike Roof has provided us with a great link he found that may be of interest to all.

"For those who are interested in preserved AFVs or photographing them for research, here's a link to the latest issue of the AFV Register Organization's "The USA Historical AFV Register."

The register is broken down by state and city, with the AFVs listed along with their exact locations (to include GPS lat/long coordinates). This is a good list to keep saved on your computer.

If you travel around you can plan accordingly (look up your travel destination or itinerary stops to see what interesting AFVs might be there), and if you need reference material on a particular vehicle, you can often contact one of your "virtual" friends online who lives near an exhibit to take some pictures for you".

<http://afvregister.org/Downloads/The%20USA%20Historical%20AFV%20register%204.0.pdf>

### The USA Historical AFV Register

*Armored Fighting Vehicles Preserved  
in the United States of America*

V4.0

March 2016

**Michel van Loon  
Neil Baumgardner**

For the AFV Association



Picture by Paul Hannab

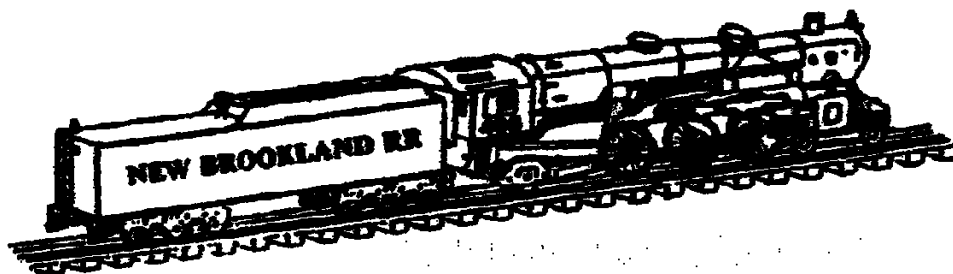
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### Classified Ads

All submissions for entry into the Classified Ads section should be submitted to the editor two (2) weeks prior to the monthly AMPS meeting. Next submission deadline will be April 26, 2017.

**For Sale:** Eliere Tolan wants to sell a DML1/35 King Tiger, Henschel turret with zimmerit (kit 6208). He also has two photo etch sets (Eduard and Voyager) and two aluminum gun barrels as well. The kit has been opened, but not the bags. This is an early version kit and does not have the molded on zimmerit that later versions of this kit does, but the kit does have Atak zimmerit, which can be applied separately if so desired. \$60.00. Buyer pays postage. See Wildcats Build Site on Facebook for pictures. **Contact Eliere Tolan.**

**For Sale:** Tamiya T34/ 76 with New Connections metal gun barrel and Eduard photo-etch for sale ~ \$48. **Contact Tom McCoy.**

**For Sale:** John Sherrer has a large number of DML/Dragon figure kits that he would like to begin divesting himself of in the coming months. They are too numerous to list. Contact John directly for specific kits he has in his stash. **Contact John Sherrer.**

**Wanted:** I am looking for the Eduard (35 233) 1/35 photoetch M110A2 SPH update set for the Italeri M110/M1102, and M107 kits. As with the Hobby Fan resin Kit, I kept waiting to buy one until it also was gone! -- Are you picking up a recurring theme here? **Contact Carl Wethington.**

**Wanted:** I am looking for the Hobby Fan (HF001) 1/35 resin M110A2 SPH update set for the Italeri M110/M1102, and M107 kits. As you can tell from the item number it was the first resin detailing kit make by Hobby Fan. It was an excellent set that replaced much of the traditional Italeri soft detail, and included an outstanding loader / rammer section. I kept waiting to buy one -- until, well, it was gone! If you come across one, I would be glad to "rent" the set to make resin masters for my M110 and M107 kits. Thanks for any leads you can offer!  
**Contact Carl Wethington.**

### **“The Day Room”**

*In the US military, most company-level units have a “day room” in the barracks where the troops hang-out, relax, and BS. When you want to learn the latest in “rumor control,” you swing by the day room and chat-up the Joes and Janes hanging out there. They might not always get it right, but they’re always willing to tell ya just what they think! So, welcome to “the Day Room...”*

A BIG “thank you!” to those Wildcats who submitted an article last and/or this month.

Don’t forget about the upcoming events to show our support.

Also don’t forget to send me your favorite techniques you’ve learned through the years. We all would benefit. I’ll include them in our next newsletter.

Finally, if you aren’t a member of AMPS, now is the time to join. ***Join AMPS Now!***

<http://amps-armor.org/>

Happy modeling,

*Phil Cavender*

Editor, “The Wildcat”, AMPS Central SC “Wildcats”

### **Special Note:**

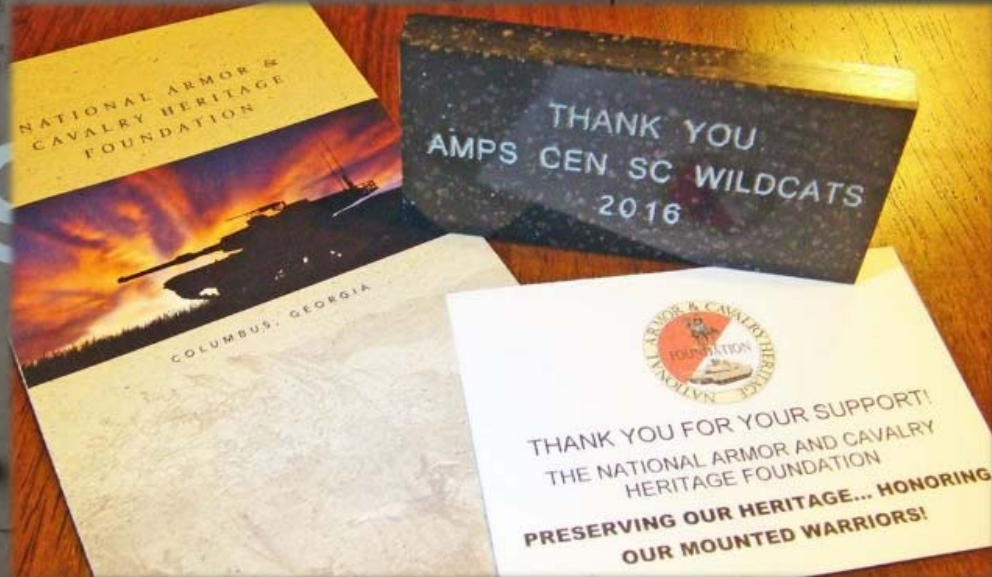
The March/April 2017 issue of Boresight included a full-page spread of our chapter’s NACM Heritage Foundation “Memorial Paver Program” Chapter Donation Challenge poster.



## Who is up to the CHALLENGE?



### NACM Heritage Foundation "Memorial Paver Program" Chapter Donation Challenge



As an acknowledgement of our appreciation for the work being done by the National Armor & Cavalry Museum (NACM), and in an effort to support them, our AMPS chapter voted in November, 2016, to make a donation to the museum's Heritage Foundation's "Memorial Paver Program." This is a fund raising effort intended to help raise the money needed to build a permanent home for the NACM. Our club members decided to donate \$250 out of our treasury. In addition to this donation, ten members decided to make extra individual donations of \$25 each, for a grand total of \$500 from the AMPS Central SC "Wildcats".

The NACM will one day be the place that armor fans and military history buffs have always wanted to see in the United States. However, the museum's staff and volunteers are not waiting for a "pie-in-the-sky-some-day", but are working hard today to preserve, conserve, memorialize and educate. AMPS Central SC "Wildcats" are proud to be able to contribute to that mission.

***We challenge all other AMPS Chapters to step up and donate to this excellent cause.***



The "Wildcats" who went the extra mile to make individual donations are (l to r): Jeffrey Nelson, Phil Cavender, Mike Roof, David Varettoni, Michael Child, Ralph Nardone, and Tom Wingate. Not pictured are Clint Mcleod, Carl Wethington, and Bryan Mueller.