

'The Instruction Sheet'

IPMS / Granite State Modelers Club

Nashua, New Hampshire

Newsletter: February 2022

www.granitestatemodelersclub.org

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Facebook: IPMS/ Granite State Modelers Club

GSMC/IPMS meets the third Monday night (4th Monday in Jan & Feb) of each month from 7 to 9 PM at the Nashua Public Library, 2 Court Street Nashua, New Hampshire. Visitors are welcome to attend. Monthly show and tell pictures are posted on our website. Website maintained by Brandon Clifton.

Club Officers:

President: Mac Johnston (603-648-2244) macatflandersandpatch@hotmail.com

Vice President: Rich Filteau (617-592-4268) r.filteau@comcast.net

Secretary: Rodney Currier (603-726-3876) nickmatt2@roadrunner.com

Treasurer: Edward Mele IV (603-203-9878) emeleiv@gmail.com

Newsletter Editor: Russell Gosselin (603-361-2872) gosselin2112@gmail.com

Zoom Administrator: Bob Ferri (603-547-7456) ferri@gsinet.net

Meeting Reminders:

February 28, March 21, April 18

Weekend Build Sessions via Zoom:

Saturdays 1-4pm; Sundays 6-9pm

GSM voted in favor of sponsoring a trophy pack (\$30) for NoreastCon Region 1 Show.

With rising cost of almost everything these days, there was a discussion concerning the raising of entry fees for GraniteCon and trophy packs. Though GSM puts on a good model show with a usually high turnout of contestants, the fees keep the club from making a noticeable profit, as is the case with some neighboring clubs. It was decided to research what other clubs are charging for their respective shows. A final decision will be decided in the following months to come.

GSM's fashionwear dealer has retired. Mac and Russell both know alternative dealers and will gather information as to whether or not they are willing to take on GSM as potential clients.

Two GSM members attended the club meeting via Zoom. This will be an ongoing part of all future club meetings. Many thanks to Bob Ferri and John Rauscher for making this possible. It provides an excellent alternative means of participating at club meetings.

Mac will be holding a spot for GSM to have tables at the Hooksett Model Train show. It is an excellent PR opportunity for the club, as well as a great build day opportunity.



Making A 3D printed Star Trek Phaser

by John Cook

My wife and I enjoy 3D printing things. It's a fun and fairly easy way to create things that you just can't get any other way. There are lots of ways to 3D print and lots of ways to get files that are ready to be printed. We have a Prusa brand plastic filament printer and we get our files from Thingiverse.com, for free and CGTrader.com, for better ones you pay for. This project came from CGTrader.com

The phaser we printed is from the Star Trek series "Picard", which we enjoy. It's a medium sized hand weapon we thought would be a fun project. The project comes as about a dozen parts which you print and then sand smooth, paint and assemble. Total printing time was a few days which basically means you start up the printer for the bigger pieces and let it run overnight. Small parts print in an hour or two. The parts are printed in a plastic called PLA, which you buy as plastic filament on spools. It's important to keep your raw plastic very dry or it will absorb moisture from the air and cause problems.

Once printing is complete you have to prep for painting. 3D printing with filament printers leaves a lot of ridges where the layers of printing meet, these have to be filled and sanded until smooth. I used Alclad's black primer with microfiller and a series of increasingly finer sand papers and sanding cloths to achieve a smooth finish. This can be somewhat tedious, especially for parts that have a lot of corners and was probably the longest part of the project. Basically, I had to repeatedly sand and fill until the surface was uniformly smooth and polished.

Painting was actually the shortest part of the whole project. Most of the phaser is flat black, the same color as the primer so that solved most of the painting problem. The remaining sections are metallic colors so I used Model Master titanium and aluminum and airbrushed them on after masking with Parafilm "M". Parafilm "M" is a stretchy, waxy film that comes on a roll and has lasted me for years. It has no adhesive so the technique is to cut a length, stretch it so it's thin, then press the waxy film onto the surface to mask and your finger's warmth and pressure will make it stick lightly to the surface. Cut openings with a sharp Xacto blade. The nice part about this method is the "tack" is so low it will not damage a soft metallic finish.

The very front of the phaser is the emitter, which needs a realistic aluminum finish, so I took my first plunge into Bare Metal Foil and finished it with natural aluminum, which came out OK. The finish coat is a Model Master metalizer sealer.

My wife and I enjoyed making this project very much and most people seemed impressed with the result. We will do more like it with 3D printing as it's a great way to get subjects you can't get any other way.



Club Raffle Winners



John Rauscher

Pete Davis

Up Coming Events of Modeling Interest

| | | |
|------------|--------------------------------|------------------|
| March 26 | RepLicon 30 | Freeport, NY |
| April 2 | MosquitoCon Region 2 Show | Wayne, NJ |
| April 3 | Valleycon 31 | Chicopee, MA |
| April 3 | BuffCon 37 | Cheektowaga, NY |
| April 7-9 | AMPS Nationals | Newport News, VA |
| April 10 | DowneastCon 2022 | Sanford, ME |
| April 29 | NorEastcon@50 Region 1 Show | Latham, NY |
| May 14 | Northshorecon 2022 | Peabody, MA |
| July 20-23 | IPMS/USA National Convention | Omaha, NE |
| October 16 | GraniteCon 29 | Manchester, NH |

January Show & Tell



Paul Lessard built this 1/87 Sylvan Models '48-53 Chevrolet REO truck. He added windshield wipers, tailpipe, and new driver.



Paul Lessard built this 1/87 Sylvan – Ulrich '52 Ford COE tractor and '32 trailer. He added turn signals, trailer cables, and license plates.



Mac Johnston built this 1/72 Bismarck secondary turret from Takom.



Russ Gosselin brought in his Monogram 1/48 B-17G. He fulfilled his sadist compulsion by rescribing the raised panel lines.



Jody Kelm painted this 200mm bust of "Gyro Captain" from the Mad Max films.



Chuck converse refurbished this 1/72 Airfix Leopard I that he claims was built over 50 years ago.



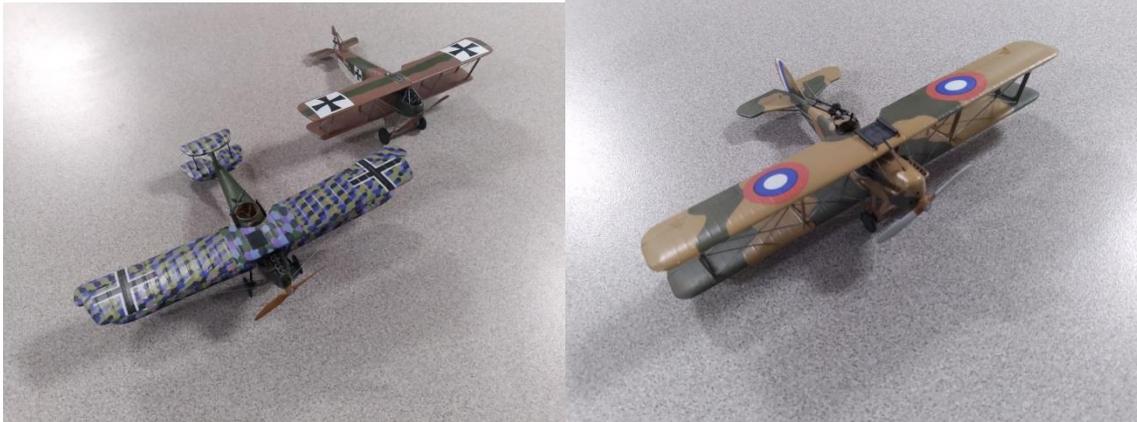
Chuck Converse built this 1/72 Leopard II from Dragon.



Rich Filteau built this 1/72 DC-3, where it will be a permanent resident at the Aviation Museum of NH.



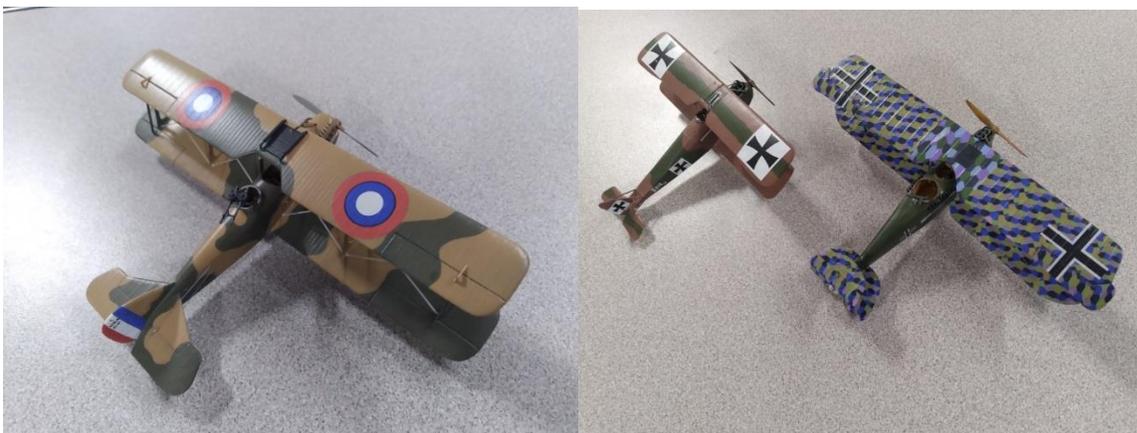
Pete Davis built this 1/35 KV-1 from Tamiya. He enjoyed working the grass into his weathering palette.



John Walker flew into the club with these birds of WWI. Hannover CL.IIIa (white 4), Schlachstaffel 20, Thonne-le-Pres, France 10/04/1918. It is an Airfix kit with scratchbuilt interior, Warbirds lozenge, and rigged with EZ Line.

Halberstadt D.II of unknown unit somewhere on the Western Front. The kit is Pegasus short run, with plastic and white metal parts; and aerodynamically shaped rod for the interplane struts. Rigged with white EZ Line tinted with silver water based marker.

Packard LePere Lusac-11, unknown unit or location. Some of these American built aircraft were sent to France before the Armistice, but too late to see any combat. The kit is Roseplane vac-form, with some white metal parts. Scratchbuilt Scaff ring and many added details. Rigged with EZ Line tinted with water based marker. Note: much of the interlane bracing was actually flat bar stock which was represented on the model using Evergreen 10X20 Thousandths plastic. The ribbing on the undersides of the flying surfaces was replicated with thin strips of masking tape sprayed over with multiple layers of primer.





Pete Davis built this 1/35 Matilda from Tamiya.



John Rauscher built this Mad Max inspired vehicle from the chassis of a 1/35 tamiya German 8-Rad armored car.



John Rauscher titled this piece "The pigeon has the right idea."



John Rauscher is working on these 1/72 models from ACE: Austin armored car and FV-622 Stalwart Mk. II.



Lyn Cushman built this 1/35 German Waffen Tragger from Trumpeter.



Lyn Cushman built this Borg cube from the Star Trek series.

Hobby Shop Directory

These are the hobby shops that support us and our efforts year after year. Most give our club members discounts, They support our club contests, and stock the supplies and new kits we crave.

Hobby Emporium (978-649-5055) 440 Middlesex Rd Tyngsboro, MA 01879
The Spare Time Shop (508-481-5789) 222 E. Main St Marlboro, MA 01752
North East Trains Model Center (978-532-1615) 18 Main Street Peabody, MA 01960
Double Play Hobby (603-582-4224) 187 Elm St. Milford, NH 03055
Hobbies With A Twist, LLC (603-223-0132) 1 Depot St Concord, NH
Elite Hobbies (603-749-0800) 90 Washington St Unit 334 Dover, NH
Granite State Hobbies 20 Pleasant St. Claremont, NH (603-504-5605) ajmsugaring@icloud.com
Minuteman Scale Models 472 Amherst St. Suite 21 Nashua, NH (603-921-5048)
Boomer's Books & Empire Models 273 North Stark Hwy Weare, NH (603-529-5644)

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Address: _____
If Renewing _____ First _____ Middle _____ Last _____

City: _____ State: _____ Zip: _____

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Signature (required by P.O.) _____

Type of Membership Adult, 1 Year: \$30 Adult, 2 Years: \$58 Adult, 3 Years: \$86

Junior (Under 18 Years) \$17 Family, 1 Year: \$35 (Adult + \$5, One Set Journals) How Many Cards? _____

Canada & Mexico: \$35 Other / Foreign: \$38 (Surface) Checks must be drawn on a US bank or international money order

Payment Method: Check Money Order Credit Card (MC/VISA/DISC)

Credit Card No: _____ Expiration Date: _____

Chapter Affiliation, (if any): _____

If Recommended by an IPMS Member, Please List His / Her Name and Member Number:

Name: _____ IPMS No.: _____

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