

ASMS

SPRUE EXAMINER



CASTING RADIAL ENGINES : BY RON MCCRACKEN



FUN WITH 3D PRINTING: SHAPEWAYS XM153 CROWS 2.

austinsms.com



January 2023

What's UP? Old Rumors & New Kits Tracked Topics

News • Articles • Features • Opinions • Advice •

CONTENTS

Page 3 The President's Soapbox

Page 4 House Cleaning

Page 5 3D Printing fun: Shapeways XM153 CROWS 2I

Page 8 Casting Radial Engines by Ron McCracken

Page 11 The Hobby Shop: Leander's new hobby shop

Page 12 What's Up Wid You?

Page 16 Old Rumors and New Kits:

Page 16 New and In View by Ron McCracken

Page 20 Shipping News - by Rick Herrington

Page 24 Tracked Topics by Panzer Lehr

ASMS Officers & Chairpersons

Tim Robb - President; president@austinsms.org

Ron McCracken - Vice-President; vicepresident@austinsms.org

Aaron Schmischny - Finance Minister; treasurer@austinsms.org

Rick Herrington - Secretary; secretary@austinsms.org

Rick Herrington - Newsletter Editor; editor@austinsms.org

Show Coordinator; showcoordinator@austinsms.org

Mike Gilsbach - Webmaster; webmaster@austinsms.org

Ben Morton - IPMS/USA Coordinator; chaptercontact@austinsms.org

Our Sponsors

Phil Brandt (in memorium)

Eric Choy Angela Forster

Jeff Forster Russ Holm

Rick Willaman Jack Johnston

Mike Krizan Rick Herrington

Aaron Smischney



www.austinarmorbuilders.com



www.kingshobbyshop.com



www.wmbros.com



www.ctsms.org

IPMS/USA Support the Troops Initiative

The IPMS/USA initiative was established to provide model kits, supplies and reference materials to our servicemen and women serving in combat zones, recovering in hospitals, and rehabilitating in specialized facilities. The program is expanding into other areas as well. Some local programs take place in USO facilities, some are centered around active duty personnel and are scattered across the country. The IPMS/USA Support The Troops program is still going full-tilt. The national program director is Jon Emery. Jon is accepting any and all contributions and is sharing them with all of the active programs around the country.

www.models4troops@gmail.com



www.austinsms.org

Austin Scale Modelers Society (ASMS) is a chartered chapter of International Plastic Modelers Society (IPMS/USA). ASMS meets on the third Thursday of each month. Annual dues for full membership are \$25/individual or \$30/family. The views expressed in this newsletter are those of the authors. It is intended for educational purposes only.

ASMS does not endorse the contents of any article.

PRESIDENT'S SOAPBOX

BY TIM ROBB



Happy New Year!

How many of us like me make a resolution on how many models we'll finish in the coming year? My goal is 12. It was 12 last year too and I finished 11. Close but no cigar.

I'm looking forward to seeing you all Thursday at our new meeting site, Dragon's Lair!





HOUSE CLEANING



ASMS MEETING

Third Thursday each month
7:00 pm - 8:45 pm
at Dragon's Lair
2438 West Anderson Lane
Suite B1
Austin, TX 78757
512-454-2399

No Reservations Neccessary!

ASMS Club Dues Are Due!

Annual ASMS club dues are \$25.00/individual
or \$30.00/family.

You may bring your dues to a club meeting or remit
same to ASMS, 111620 Via Grande Drive, Austin, TX
78739.



Events

Winterblitz
01/21/2023
19124 Hwy 6
College Station, TX

Club Quarterly Contests

Monthly Meeting Presentations:

FUN WITH 3D PRINTING: SHAPEWAYS XM1153

CROWS II

BY RICK HERRINGTON

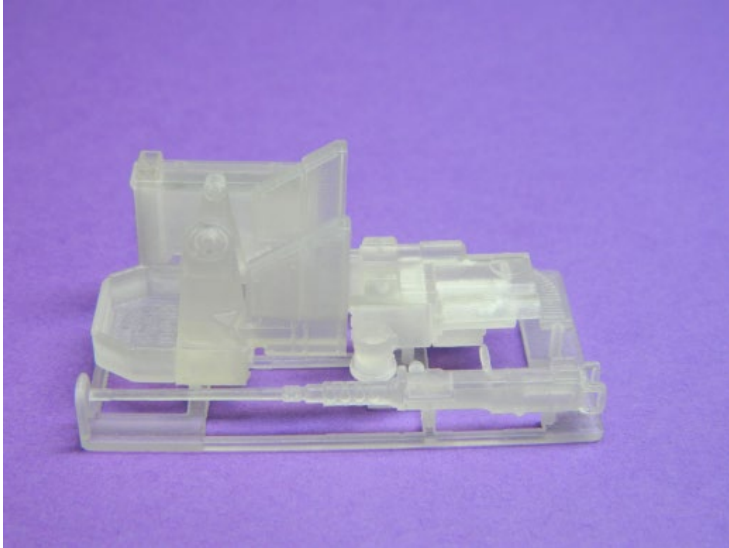


Most everyone who models has run into that version of a model not provided in kit form that you want to build or to build it you would have to rob it out of a \$60.00 kit you've got in your stash thus turning that kit into a spare parts box.

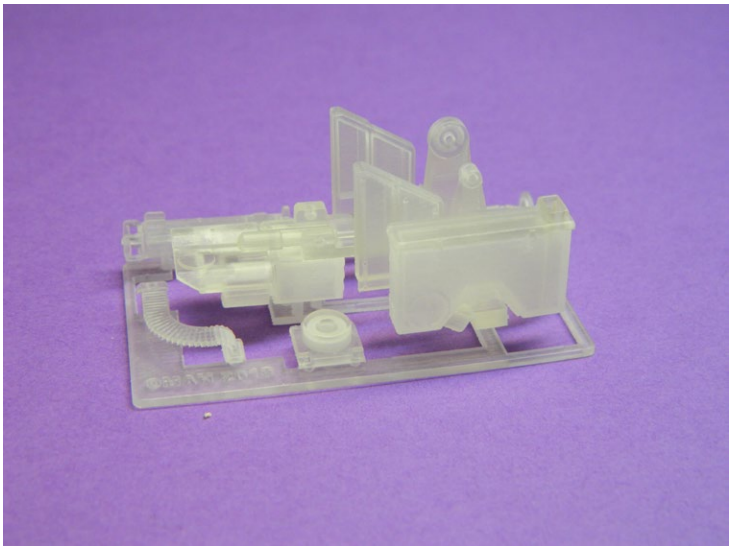
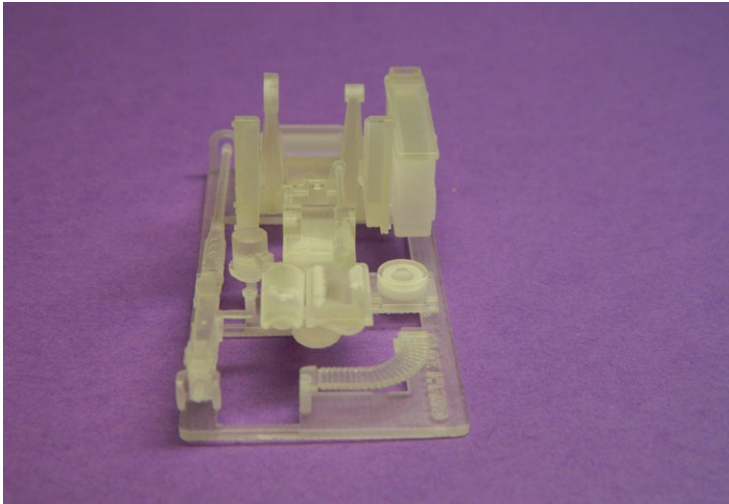
I was trying to find a CROWS II (Common Remote Operated Weapon System) unit I could add to an M1 without buying a \$60.00 kit to do so. Bronco used to make a kit of it but they are few and far between now even on E-bay.



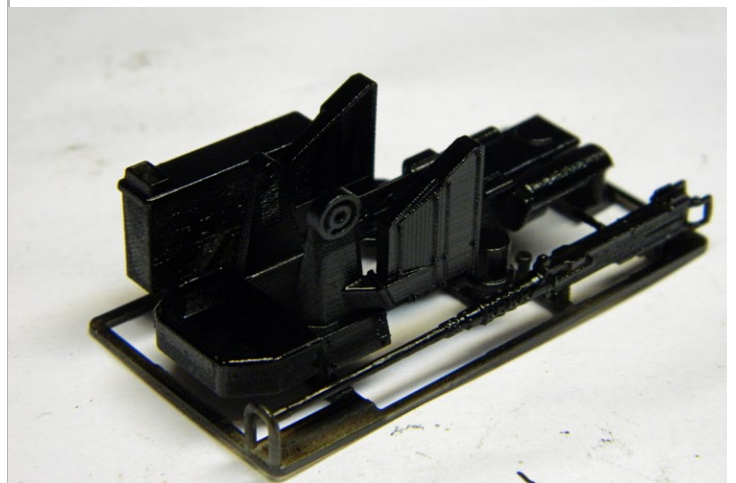
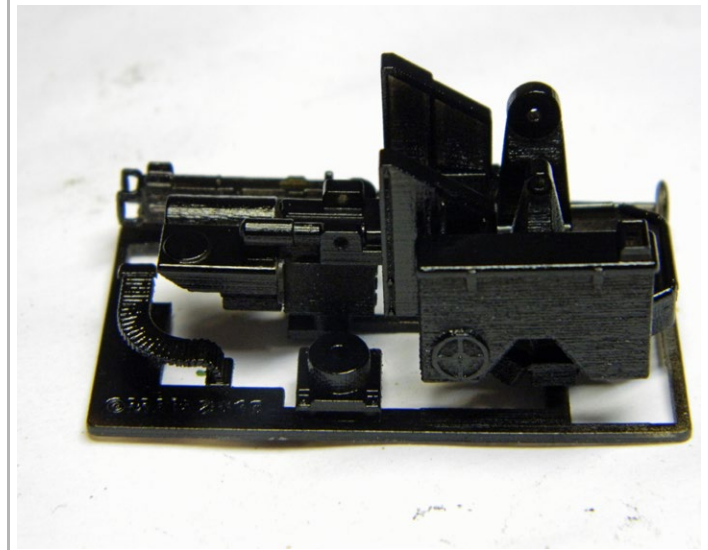
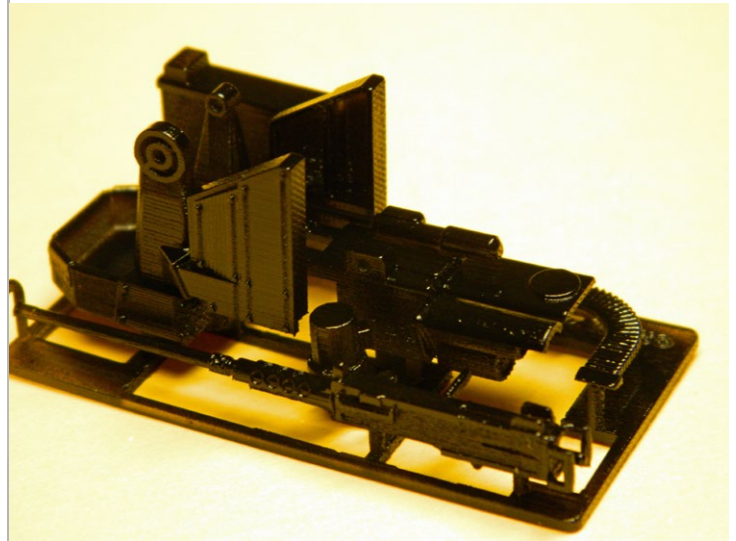
Hopefully most of you are familiar with the company Shapeways. They make 3D printed articles out of all different kinds of materials. Check out their web site www.shapeways.com. After doing a quick search I was fortunate to find a CROWS II unit for sale. In all honesty I had previously ordered an S-38 Schnellboot bridge from them which I was very happy with. The CROWS unit looked promising and was half the price of ordering an additional kit to rob it from.



The Shapeways kit comes printed in a clear resin and needs to be cut away from its runners.



I primed the kit in Tamiya Gloss black to make cutting it away from the runners easier. Check for rough spots in the print that need to be sanded before doing so.



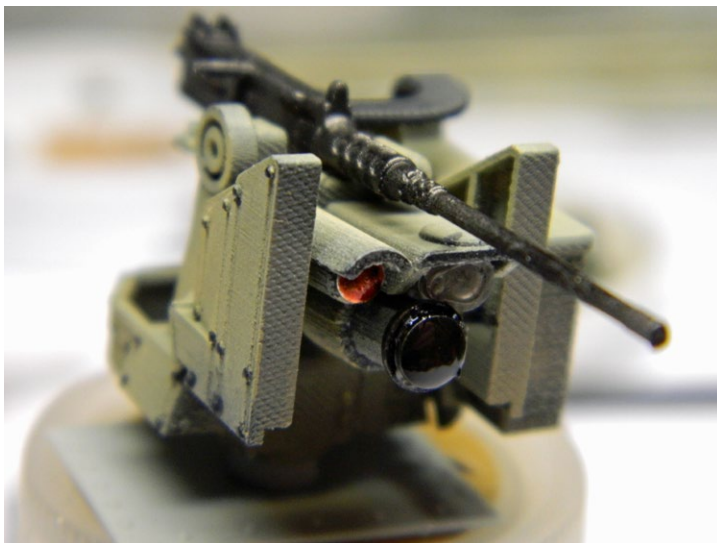
No instructions or photos of the finished product are provided with the kit so it's best that you know what your finished product is going to look like. In this case the World Wide Oracle provided what I needed.

After construction I added some lenses from the parts box. These really enhanced the look of the finished kit.

You might notice the striations in the printing. I was OK with these showing in my final model although you can spend the extra time in smoothing these out if you choose to.



This is a great little kit. It's ready to add to your MRAP or M1A1.



CASTING RADIAL ENGINES

by Ron McCracken



As most of you know who model radial engine powered aircraft, the quality of engines supplied in the kits varies greatly. Some, frankly speaking, really detract from what are otherwise decent kits. Of course one can obtain aftermarket (usually resin) engines, but by the time you buy replacements for a twin (or heaven forbid, a four engine) aircraft you can easily invest as much in engines as the kit itself.

One solution is to make resin duplicates of better engines from other kits. This need not imply the need for large numbers of molds. For U.S. WW-II aircraft a sum total of five basic engine types covers most use cases:

- Wright R-1820 (single-row, 9 cylinders) – B-17, SBD
- Wright R-2600 (twin-row, 14 cylinders) – A-20, B-25, TBF, SB2C
- Pratt & Whitney R-1830 (twin-row, 14 cylinders) – C-47, B-24, F4F

- Pratt & Whitney R-2800 (twin-row, 18 cylinders) – P-47, F6F, F4U
- Wright R-3350 (twin row, 18 cylinders) – B-29

I recently had a need for a couple of R-2600 engines and used the ones supplied in the new Airfix B-25 kits as my pattern. The Airfix B-25 engine used as a pattern was engineered to use an identical part for the front and rear row of cylinders, so I only needed one two-part mold to make both rows of cylinders. Airfix also provided the gearbox at the front of the engine as a separate part. I duplicated that with a one-part mold. All this involved was fastening the flat rear face of the kit part to the bottom of the mold box, and covering it with rubber.

This article shows how the two-piece mold was created and used.



The biggest problem with casting radial engines (aside from needing a two-part mold) is getting the resin to fill all the mold without leaving trapped air pockets. That means creating a way for the air to escape from the mold cavity for each cylinder. You can't just make the mold and drill out holes – the silicone rubber will just spring back into the drilled opening and fill it in again – much like self-sealing fuel tanks on an aircraft.

So, you have to temporarily glue bits of plastic rod or wire to the rear faces of the cylinders and cast the passages into the mold.

You also have to add an opening into which the resin can be poured during the casting process. Figure one shows a row of cylinders with a short length of plastic rod or tubing to provide the pour opening, and one bit of plastic rod glued to the high point of each cylinder to provide escape openings for the trapped air. Don't worry if the lengths aren't all exactly the same. I'd suggest using white glue to tack these items in place, that way they can be removed later without damaging the kit engine used for a pattern.

With the pattern preparation complete, it is time to prepare for casting the top half of the two-part mold. Find (or make) a suitable size plastic box, large enough to leave a bit of open space all around the engine, and deep enough to hold enough mold rubber to completely cover the engine and its pour opening. Into the bottom of this box, place a layer of modeling clay about 1/8" deep. (This clay must be a type that does not contaminate the mold rubber. Most companies that market silicone rubber also can supply compatible clay) Now, take your pattern and press the rods you added earlier into the clay until the end of each is covered. (That is why the exact lengths don't matter – the clay deals with length variations)

Now you are ready to mix the first batch of silicone and cast the first half of the mold. Gradually add rubber to the mold box, giving it time to "level" itself, until the level comes about halfway up the sides of each cylinder. Surface tension will cause the rubber to have a concave contour where ever it meets the pattern – this is not a problem. Now let the first half cure (cure time will vary depending on the silicone rubber you use).



The first mold rubber pour completed

Once the first pour has cured, take a sharp knife and cut a V-shaped notch in one corner. This creates an index to make it easy to get the two mold halves aligned properly when in use.



Then paint the exposed rubber surfaces with mold release. You can buy a commercial product, or you can make your own by mixing petroleum jelly with mineral spirits. Place the mold release only on the silicone rubber; you don't need to gum up your pattern with it (and some commercial products react with the styrene plastic – not what you want). Now, mix a second batch of rubber and finish filling the mold box.

Once the second pour has cured, remove the entire mold from the box and carefully separate the halves. If you did a good job with your mold release, they should separate cleanly. Then remove your pattern and the mold is ready for use.

Now, a word about casting resins. For very detailed work like engines, you want the lowest-viscosity resin you can get – in other words, a watery consistency rather than a syrupy consistency. Also, you want a relatively slow-curing resin to give yourself plenty of working time. I myself use Micro-Mark CR-600. It is a two-part resin that uses equal amounts of part A and part B. That makes measuring easy. It gives at least a couple of minutes of working time before it starts to thicken. The down side is, it'll take up to an hour to fully cure. Once cured, it is pure white in color. One hint – the directions say to mix no less than a two-ounce batch. Well, I've found you can get away with a teaspoon of each part and it'll still cure. You might get away with using even less, but get too little and no matter how thoroughly you mix, it'll never cure completely, and worse can stick to your mold and ruin it. (This is experience talking)

To prepare the mold for use, apply a thin layer of petroleum jelly to the outer edges of the mold. This is to provide a seal between the mold halves to prevent liquid resin from leaking out of the mold cavity.

Now mix your resin and begin casting by first filling the lower half of the mold. Use a toothpick to tease out any air bubbles that get trapped in recesses, such as the ends of the rocker arm boxes. That's the reason you need working time.



Once that's satisfactory, put the upper mold half in place (about now you'll really start to appreciate that notch you cut previously) and finish filling the mold, continuing to pour until you see resin in each of the air relief holes. Now set the mold aside for an hour or so until the resin cures. Then remove the finished part the same way you did the original pattern, and trim away the flash, relief vents, etc.

And there you have it – a way to create copies of radial engines to enhance the detailing of your models without spending yourself into penury.



THE HOBBY SHOP: LEANDER'S NEW HOBBY DESTINATION BY RICK HERRINGTON

Leander has a new hobby shop...and yes it's literally called The Hobby Shop. Folks who visited Ground Zero Hobbies will recognize some familiar faces.

The address is [900 Lacy Drive, Leander, TX](#). It's very close to the Chick Fil A so you can get some munchies when you visit.



If you're running low on paint The Hobby Shop has a great selection of paint including Vallejo and Tamiya.



The Hobby Shop has a great selection of Gundam, aircraft, armor and ship kits. It also caters to the RC enthusiasts and even has an indoor racing track.



What's Up wid You?

ASMS/Bill Delk sponsors an on-line ZOOM meeting with whoever wants to join us to talk about models and life. It happens almost every Sunday at 4:00.

Contact Bill Delk to have him send you a link to be able to get into the meeting.

Everyone is welcome.

Bill Delk`s e-mail address
Falconfyredeuce@gmail.com.



This month's meeting was the club's annual White Elephant contest and Model of the Year Competition.

The White Elephant part of the meeting involve bringing a kit received previously at a Christmas party.

The Model of the Year competition has all the previous winners of Model of the Month

competing for best model of the year. Needless to say the tables were filled with great models.



Mike Gilsbach had two models on the table. His previous monthly winner, the Antarctic Explorer was there as well as a Tamiya Toyota Supra.





Harold Stiemans had several monthly winners on the table including his SAS Jeep, Skyraider and HE-219. The 1/48 Tamiya HE-219 took the honors for Model of the Year.

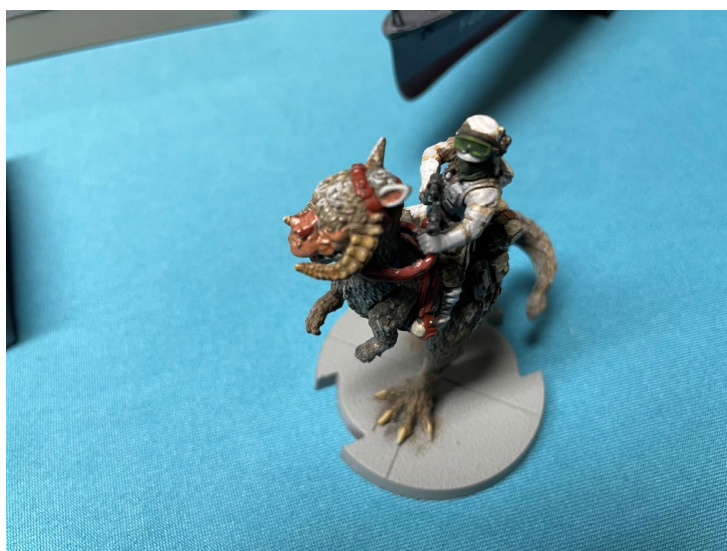


Rick Herrington shared a couple of ship models and a Rebel Tauntaun rider with the group.

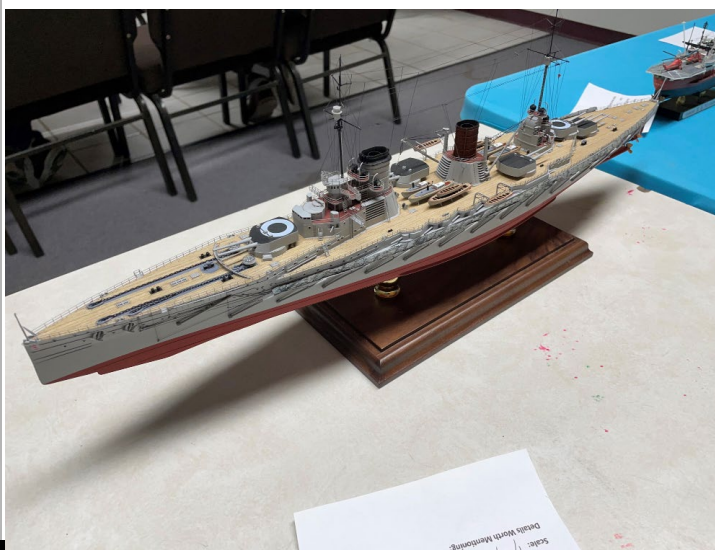
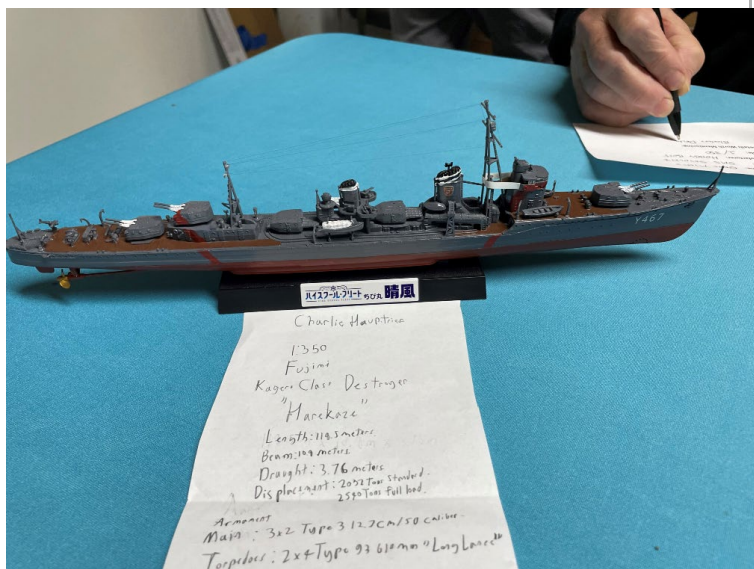




Gene Myers brought back his SMS Seydlitz, a WW1 German battleship.



Charlie M shared his Kagero class IJN destroyer.



Ron McCracken brought in a 1/72nd scale Studebaker truck.



There were three models competing in the White Elephant contest. The winner of the contest was Jorge Martins 1/72nd Junkers JU-86K by Italeri.



Jorge marked it in Portuguese livery.

Second place went to Rick Herrington with his 1/35th Tamiya Marder 1A2.



Third place went to Tim Robb with his 1/48 Eduard P-39Q.



This month's program was by Ron McCracken. Ron put on a demonstration of how to rig bi-planes. Thank you Ron!



Thanks to all the members that brought in their work to share with the group. See you at the meeting!

Takom has also released an alternate parts variant, the AH-64E Apache Guardian.

Old Rumors and New Kits

New and In View Aircraft by Ron McCracken

Generally, after Christmas one gets back to the normal routine, and gives one's wallet a rest. But this year may be the exception (with regard to the wallet) because there's a lot of interesting stuff appearing just over the horizon. New-tool kits are out this month for everything from biplanes to UAVs. First place for new stuff goes to Clear Prop! with three brand-new kits. Takom comes in second with two new helicopters. But almost everyone has new-part variations on previous releases that might also prove interesting.

1/35th Scale:

Takom has released a new-tool AH-64D Apache Longbow.



1/48th Scale:

Academy has announced a new tool A-10C



Academy is re-releasing its 1987-vintage F4U-4 Corsair 'Battle of Chosin Reservoir' with some new parts.



Clear Prop! Is releasing a new-tool Bayraktar TB2 UAV. This is a Turkish aircraft that has been produced for export to several countries, including Ukraine.



Kinetic is releasing an F-16D Block 30/40/50 (two-seater variant) based on their earlier F-16 kits with some new parts.



Eduard is re-releasing its Clerget-powered variant of the Sopwith F.1 Camel in a Weekend Edition kit. Remember, Weekend Edition kits usually do NOT include photo-etch, resin, or masks but are otherwise complete.



Eduard is re-releasing its Spitfire Mk.Vb early production in a Weekend edition kit with new decals.



Meng is releasing an F-4E (late) Phantom II based on last year's F-4G kit with some new/revised parts.



Trumpeter is re-releasing their 2022 Mi-4A Hound kit with new decals.



1/72nd Scale:

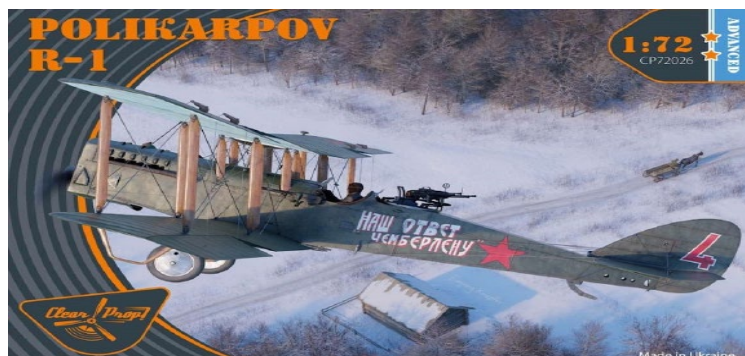
AZ Model is releasing a new-parts variant of their He 162, the He 162A-9 Salamander



Clear Prop! has released a new-tool DeHavilland DH.9a Early Version. They were extensively used by the RAF. For what it is worth, the Engineering Division of the USAAS also built a handful, under the USD-9A designation.



Clear Prop! has also announced a Polikarpov R-1, which is a Russian-built DH.9a.



Eduard has re-released its B-25J Mitchell Strafer in a Profipack edition with five decal options.



Fine Molds has announced an F-4C Phantom II 'Wolfpack 1967' based on their earlier Phantom kits. This was Robin Olds' outfit and the markings options include aircraft he flew.



Fine Molds has announced an F-4J Phantom II 'Midway 1978' depicting aircraft from the USS Midway's 1978 cruise, again based on their earlier Phantom kits.



Hasegawa has re-released its F/A-18E Super Hornet in VX-31 "Dust Devils" markings.



Hasegawa has re-released their F-15J Eagle in '303SQ Komatsu Special 2022' markings.



Hasegawa has re-released their F-4EJ Kai Phantom II in '8SQ Misawa Special 2003' markings.



AA Models (aka Modelsvit) has announced an AM-1 Mauler kit. However, according to the history shown on the Scalemates web site, this kit was originally released by Siga, then ACE. If so, it is no prize (I built the Siga kit). So, I'd wait until someone reviews the kit before buying unless you just gotta have a Mauler in the collection.



Modelsvit has released a Mirage 2000-5F kit based on their 2021 new-tool Mirage 2000-C.



Plus Model has released a Martin T4M-1 torpedo bomber, a subject dear to the hearts of between-the-wars U.S. Navy fans. For those unfamiliar with the company, they mostly specialize in aftermarket upgrade parts, e.g. wheels, engines, etc. but have begun issuing a few complete kits.

plus model

1/72

**Martin T4M wheel version**

Sword is releasing a new-parts T-39N Sabreliner based on their 2022 new-tool T-39A. Externally, the difference is a third cabin window added on each side, and of course the decals.



1/144th Scale:

Platz has announced an F-16N Fighting Falcon in "Top Gun" aggressor squadron markings.

ファルコンのトップガン仕様を作る!



So there you have it – a pleasantly surprising collection of new goodies to keep post-holiday blues away as we begin the new year.

Shipping News

by Rick Herrington

Ahoy mates! A good bit of new releases to get to this month so let's get started with 1/700th scale.

Trumpeter is up first with a DKM Gneisnau.



Trumpeter has 2 more releases for us. The first is a 1940 circa Russian destroyer Tazskient.



Next from Trumpeter is the 1959 version of HMS Belfast. This version of the kit would reflect the version that's on display in the river Thames.



I Love Kit is releasing an HMS Hood.



Trumpeter is releasing a 1/700 scale version of their 1/350 CB-3 USS Hawaii battle cruiser.



Academy is releasing the USS Enterprise CV-6

ACADEMY
HOBBY MODEL KITS

1/700
SCALE



塗装同標貼指示
Painting & Marking guide

Color	Material	Item No.	Scale	Part Name
White	Plastic	101	1/700	101
White	Plastic	102	1/700	102
White	Plastic	103	1/700	103
White	Plastic	104	1/700	104
White	Plastic	105	1/700	105
White	Plastic	106	1/700	106
White	Plastic	107	1/700	107
White	Plastic	108	1/700	108
White	Plastic	109	1/700	109
White	Plastic	110	1/700	110
White	Plastic	111	1/700	111
White	Plastic	112	1/700	112
White	Plastic	113	1/700	113
White	Plastic	114	1/700	114
White	Plastic	115	1/700	115
White	Plastic	116	1/700	116
White	Plastic	117	1/700	117
White	Plastic	118	1/700	118
White	Plastic	119	1/700	119
White	Plastic	120	1/700	120
White	Plastic	121	1/700	121
White	Plastic	122	1/700	122
White	Plastic	123	1/700	123
White	Plastic	124	1/700	124
White	Plastic	125	1/700	125
White	Plastic	126	1/700	126
White	Plastic	127	1/700	127

Aoshima has a new JMSDF ship the Oumi.
The Oumi is a fleet replenishment ship.

Sample Built by SPOOKY
※画像は試作品を組み立てて着色した制作例です

1/700

WATER LINE SERIES

OUMI おうみ

ウォーターラインシリーズ No.034

海上自衛隊補給艦

J.M.S.D.F. AOE-426

※MODELING SKILLS HELPFUL IF UNDER 18 YEARS OF AGE



※背景の艦船、航空機はキットに含まれません

Pit Road has two new ones for us this month. The first is a US destroyer DD-436 Momssen.



Next from Pit Road is an IJN full hull destroyer the Terazuki



Terazuki was sunk off Guadalcanal by US PT

Last in 1/700 scale is a modern Russian missile frigate Project 22350 by Dream Model.



Moving on to 1/350 scale first up is a release from Dragon of the USS Livermore DD429.



Last in 1/350 is a release from Hasegawa the IJN Hamakaze.



Moving on to museum scale 1/200 Trumpeter has released a model of the DKM Scharnhorst.



At \$400 for the basic model you have to have some deep pockets to super detail this kit, but KA models have released several sets of photo etch/resin update sets for this kit.

First is an overall photo etch upgrade set. This one sells for \$335.



Please note that other items shown in the image(s) above are not included with this product.



Also available is an armament set which includes brass barrels and resin AA armament.



Please note that other items shown in the image(s) above are not included with this product.



Just the armament set would run about \$126 depending on where you pick it up. That's all the wind in the sails for this month. See you next month.



Tracked Topics

By Panzer Lehr

A great month for 1/35th scale modelers. Let's start off with 1/72nd scale.

First up is Trumpeter with a Russian Luna M missile launcher.



Moving on to 1/48th Taiya is releasing an M8 Howitzer carriage.



Moving on to 1/35 scale we have two new soft skins. The first is from ICM., a Kfz 70 with zwillingssockel 36.



Customscale is releasing a Steyr Flakwagen with a 30mm Flak.



Trumpeter is releasing a Patriot Missile System.



16.02 is releasing a Bordkanone Mk 103



Italeri is releasing (re) their Pzkwf 4 in an Afrika Korps version complete with infantry.



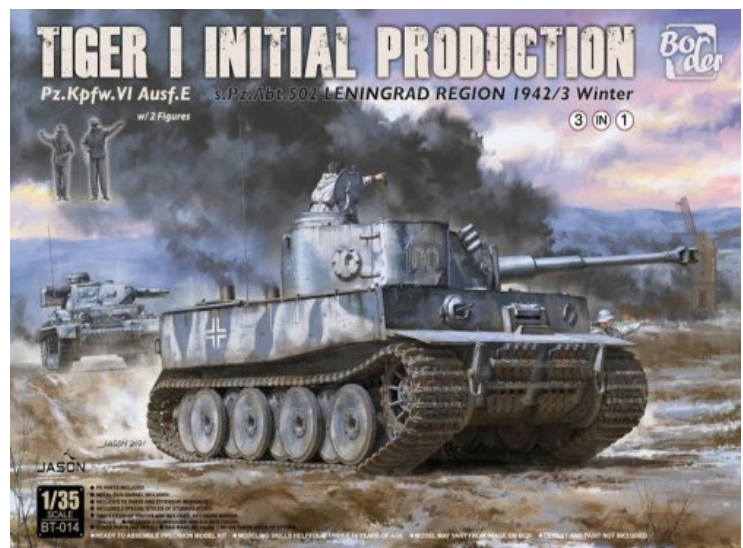
Tamiya is releasing a British Comet.



Border Models have two new ones for us. The first is a Stug III G with full interior.



Next from Border Models is a Tiger 1 initial production.



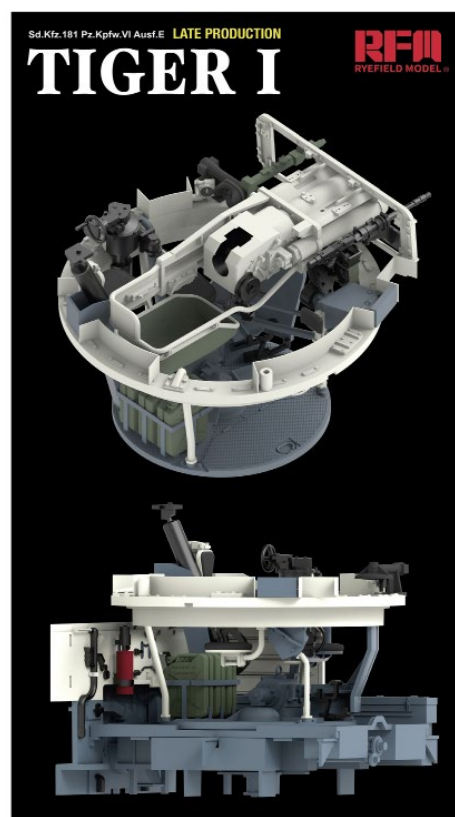


The kit includes a metal barrel and two crew figures.

RFM not to be outdone has a couple of Tiger releases for us. The first is an initial production Tiger depicted as one from the Leningrad area circa 1943.



The second release from RFM is a late production Tiger 1. This one includes zimmerit.



Dragon is releasing a Tunisian Tiger.





Dragon is also releasing an M4A38 in Korean theatre livery.



Takom has many releases this month. The first is a Stug 3G with winterketten.

M4A3E8 Sherman

89th Tank Battalion, Korea 1951
63150



StuG III Ausf.G WITH WINTERKETTEN

EARLY PRODUCTION

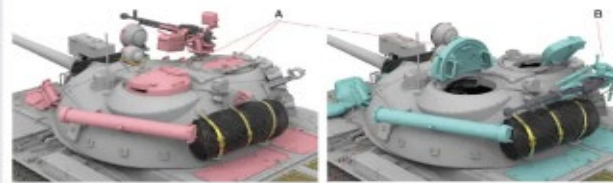


Moving on to the modern armor releases RFM is releasing a T-55A.



T-55A Medium tank MOD. 1981

T-55A 中型坦克 1981型

1/35 SCALE
5098

A 炮塔各炮盖均可装配为开启状态。
B 防空机枪。可选装为收纳状态。
C 通气管可按两种不同的方向安装。
D 履带帆布采用橡胶材质，纹理表现更加生动写实，配合蚀刻片材质的裙孔带，细节还原度较高。



炮塔右侧打开与关闭状态的细节及防空机枪与航向轮的展示



DShK 12.4mm 高平两用机枪。
T-55A的防空武器结构复杂，细节丰富，为高度还原其结构细节，套件中提供了蚀刻片材质的机框与弹药的精密连接零件。

RFM

Next up from Takom is a new tool Sargent York. Not sure of the logic in boxing a failed air defense project unless it's because they already had the chassis done for the next couple of releases.

T-55A Medium tank MOD. 1981

T-55A 中型坦克 1981型

1/35 SCALE
5098

M247 SERGEANT YORK



A ALL ARTICLES CAN BE SWIVEL IN OPEN OR CLOSED POSITION
A SUSPENSION AND ROAD WHEELS MOVABLE
A REMOVABLE DISPLAY PLATING MODEL
A 3 TYPES OF MODELS
A 18 PARTS INCLUDED
A REMOVABLE TRACKS



Takom has two welcome releases for us next, an M48A3 mod B, and an M48A5.



Takom is also releasing a WW1 Mark 1 Male.



Last from Takom in 1/16th scale is an M4A38.



Tiger Models is releasing a T-90M. The tank looks like its finally been committed to the Ukraine conflict. Haven't seen any pictures of a destroyed one yet.



正式装备俄罗斯陆军的T-90M与展会上出口版本MS之间的区别
外观细节的变化约为35%



Keeping on the subject of the Ukraine conflict ICM is releasing a set of figures depicting a Stugna-P anti tank missile team in action.



That's it for this month. Grab a kit out of your stash and build it!

That Face you make when...



You destroy a T-34 from a distance of 3000 meters.

Facebook Die Deutsche Panzerwaffe

WARNING CONTAGIOUS MODEL AIRCRAFT DISEASE

ADULT MALES VERY SUSCEPTIBLE

SYMPTOMS: Continual complaint as to need for a constructive hobby. Patient has blank expression, sometimes deaf to children and wife. Always haunts basement, attic or garage. Will not do work around house. Has nose in model aircraft catalogues and magazines. Often found wandering alongside runways, or around airfields, hangars, bases and airports with camera. Mumbles numbers and names such as : ME 109, F17, TA 154, 747, Skyhawk, Bell, Iroquois, Spitfire, Jumbo, Boeing.

No Known Cure - Disease Not Fatal

Victims should assemble model aircraft as often as possible.

IPMS USA is soliciting articles. We've got some great modeller's in this area and you can help the mother organization to flourish by submitting an article to the Journal.

ARTICLES WANTED!

Maybe you build cars.
Or jets. Or figures. Or tanks.
Maybe you slap em' together.
Maybe you count every rivet.

WE WANT TO KNOW WHAT YOU ARE BUILDING

How did you built it?
What makes this particular subject interesting?
Do you have any special tricks?

Any IPMS USA member can submit an article on any modeling related topic to the IPMS USA Journal.
The standard word count is 3000 and it should be well documented with high resolution photos.

Send inquires to: ipms-q@ipmsusa.org



Central Texas
Scale Modeling Society



King's Hobby

Modeling With You
Since 1973

Something for Everyone!

7801 N. Lamar Blvd., Ste B169,
Austin, TX 78753
(512) 836-7388



kinginfo@kingshobbyshop.com

<http://www.kingshobbyshop.com>



Join International Plastic Modeler's Society / USA

IPMS/USA is dedicated to the hobby (and fun) of Scale Modeling. It was started by Jim Sage, of Dallas, Texas, in 1964. There are now branches of IPMS all over the world. Our Local Regions and Chapters sponsor Model shows and contests every year, but you needn't be a member to visit the shows or attend the club meetings!

With IPMS/USA Membership, you will receive the outstanding IPMS/USA Journal six times a year - it includes features on all modeling subjects such as aircraft, armor, automotive, ships, figures - you name it! You will also find listings of IPMS contests, swap meets, hints and tips, and reviews. Membership also qualifies you to participate in IPMS/USA sanctioned contests, and particularly in our World-famous National Convention, held each summer. As a member, you'll also be able to access our online Discussion Board, where a wide variety of modeling topics are discussed, and enjoy interaction with other serious modelers for help with questions about modeling techniques or the Society in general. Many Hobby Shops and Model Vendors around the USA offer discounts to IPMS/USA Members.

Visit us at: <http://www.ipmsusa.org/>
Join up online at: <http://www.shopipmsusa.org/category-s/100.htm>

For any questions or problems with your membership application/renewal, please contact the IPMS/USA Officer Manager at manager@ipmsusa.org

International Plastic Modelers' Society/USA

Membership Application / Renewal Form

New Renewal IPMS#: _____

Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ E-Mail: _____

Chapter Affiliation, if any: _____

Junior (17 years or younger) \$17.00 Date of Birth _____

Adult One year \$30.00

Two years \$58.00

Three years \$86.00

Canada & Mexico \$35.00

Foreign Surface \$38.00

Family Adult fee + \$5.00

of cards? ____

Your Signature: _____

If recommended by an IPMS member, please provide his/her:

Name: _____ IPMS #: _____

PAYMENT OPTIONS:

Cash Amount: _____

Check Check #: _____ Amount: _____

Where did you hear about IPMS/USA? Please check all that apply:

☐ Local model club

☐ Friend

☐ Ad in IPMS Journal

☐ Facebook

☐ Ad in other magazine

☐ Internet search

☐ IPMS web site

☐ I'm a former member rejoining

☐ Other _____

Applications should be printed and mailed to:

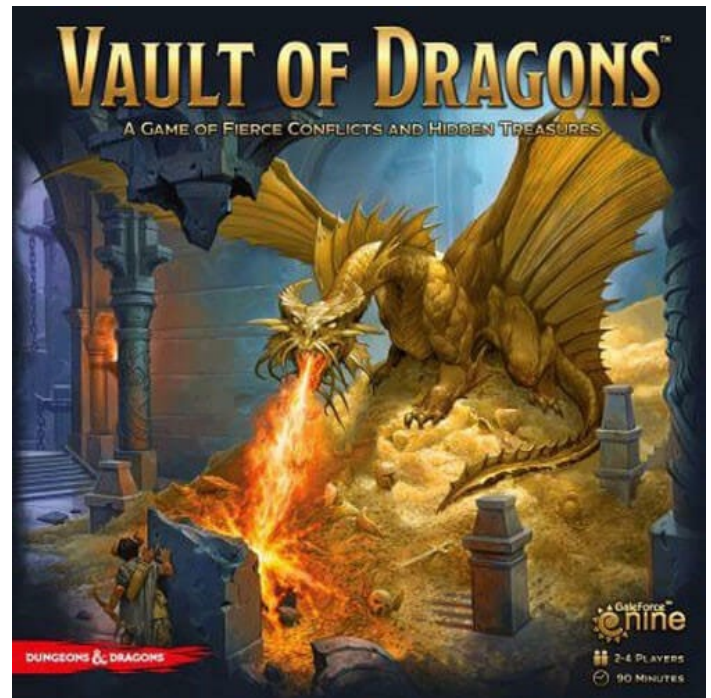
IPMS/USA

P.O. Box 1411

Riverview, FL 33568-1411

LIONHEART

— H O B B Y —



5500 Jack C Hays Trail, Kyle, Texas 78640,

(512) 504-3404

10:00 am – 06:00 pm



International Plastic Modelers' Society/USA Membership Application / Renewal Form

New ☐Renewal ☐

IPMS #:

Name: _____

Address: _____

City: _____ State: _____

Zip Code: _____

Phone: _____ E-Mail: _____

Chapter Affiliation, if any: _____

Junior (17 years or younger) \$17.00 _____ Date of Birth: _____**Adult** One year \$30.00 _____

Two years \$58.00 _____

Three years \$86.00 _____

Canada & Mexico \$35.00 _____**Foreign** Surface \$38.00 _____**Family** (1 set of Journals) _____ ← Adult fee + \$5.00 # of cards? _____

Your Signature: _____

If recommended by an IPMS member, please provide his/her:

Name: _____ IPMS #: _____

PAYMENT OPTIONS:Cash ☐ Amount: _____Check ☐ Check #: _____ Amount: _____

Billing Address, if different than above -

Address: _____

City: _____ State: _____

Zip Code: _____

Applications should be printed and mailed to: IPMS/USA, PO Box 1411, Riverview, FL 33568-1411