



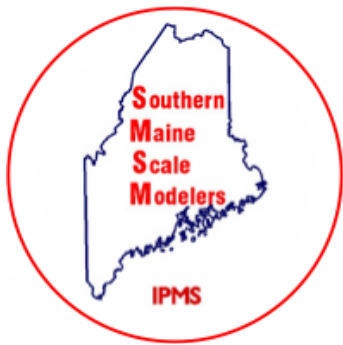
DowneastCon 2026

Congratulations Paul Paradis!

Best of Show 2026

359 Peterbilt Heavy Haul





IPMSSouthernMaine.com

Madame Prez Says

By Grace Leavitt

Hello everyone!

We are just a few days from DowneastCon and we are pretty well on track for the contest!

SMSM Cafe will be ready for its' debut, vendor tables are going well, raffles and Make-N-Take are all set. We need a few more trophy packs sold, and help with set-up, and then it's Showtime!

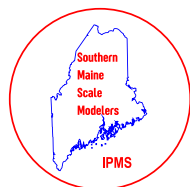
Good to see Dave Moreau out of the hospital and back for the meeting along with Mike.

On a sad note, Lee Humiston (curator here at the museum) is not doing well medically, so please keep him in your thoughts and prayers.

We have our upcoming club projects in July and October and I look forward to seeing what great builds you all bring in!

Until May 5th, take care!

Grace Leavitt



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(past president)



Hear Ye! Here Ye!

By Norm Jordan

SMSM Meeting Minutes

SMSM Meeting Minutes----7 April, 2026

Location: Maine Military Museum, So. Portland

Meeting Opens at 7:00pm w/ opening remarks from Prez Leavitt

Old Business

Downeastcon is now 5 days away! It is reported that everything is ready to go!

Vendors--- 29 tables spoken/ paid for

Trophy Packs--- 31 out of 59 sold thus far

SMSM will be running the concession stand w/ Carol Loranger at the helm

The Bonney Eagle Robotics Team will be there to assist with the setup and take down

The setup is on Saturday @ 4pm and the doors open Sunday @7 am

The July Meeting Project is "Lands On Water" and the October Project is Figures

New Business

Paul Paradis proposed a "Members Only" Category for the next Downeastcon. Only SMSM members could enter it, and it would be judged by outside judges.

Meeting Break from 7:35-7:54 pm

Show and Tell---There were 8 models from 6 modelers this evening. Bob Pierce won Model of the Month with his Captain America figure.

The 50/50 Raffle was won by Norm Jordan, who donated it back to the club

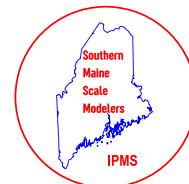
The meeting ended at 8:30 pm

Members Attending: B. Pierce, K. Waterson, E. Bittner, D. Moreau, T. Bonti, R. Jordan, N. Jordan, G. Leavitt, E. Dyson, R. Garland, E. Kruger, J. Loranger, C. Loranger, K. Keniston, D. Osborne, R. Allen, S. Laing, P. Paradis

Respectfully Submitted,

Norman W. Jordan

SMSM Secretary



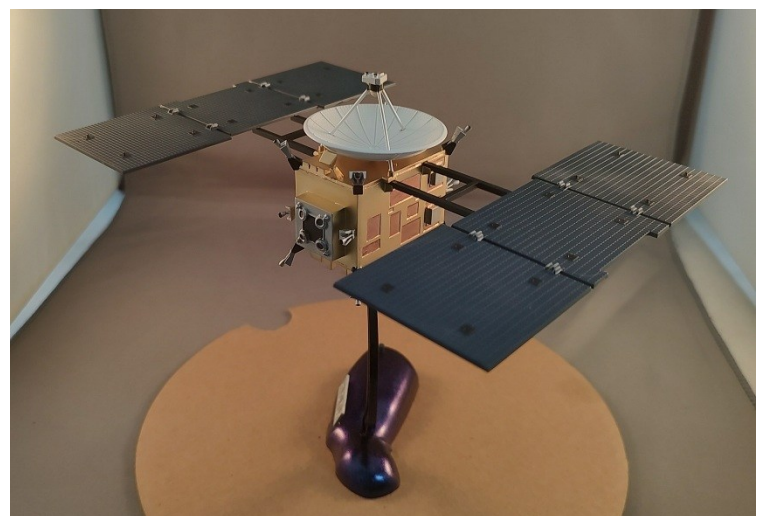
AOSHIMA'S HAYABUSA MUSES-C SPACECRAFT

By Norm Jordan

HISTORY

The primary scientific objective of the Hayabusa (formerly Muses-C) mission was to collect a surface sample of material from the small (550 x 180 meter) asteroid 25143 Itokawa (1998 SF36) and return the sample to Earth for analysis. It is also a technology demonstration mission. Other scientific objectives of the mission include detailed studies of the asteroid's shape, spin state, topography, color, composition, density, photometric and polarimetric properties, interior and history.

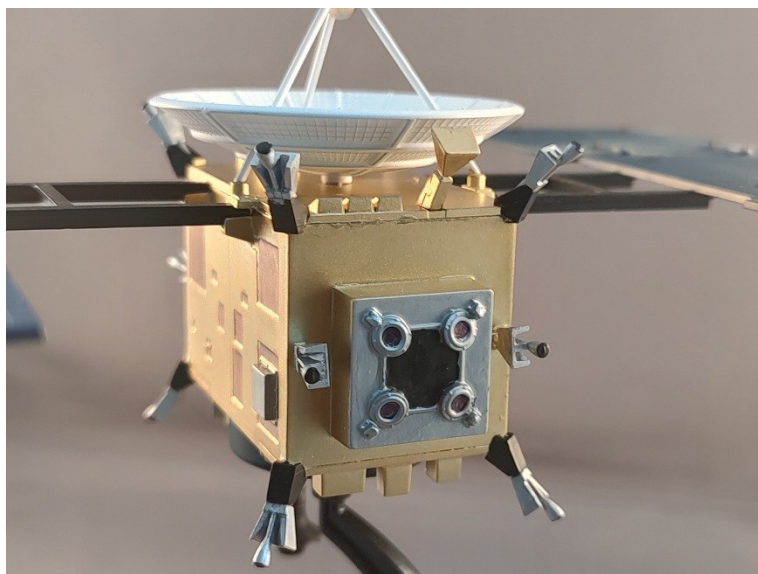
The spacecraft was launched on 9 May 2003 at 04:29:25 UT on an M-5 solid fuel booster from the Kagoshima launch center. Following launch, the name Muses-C was changed to Hayabusa (the Japanese word for falcon) and the spacecraft was



put into a transfer orbit to bring it to asteroid 25143 Itokawa.

Hayabusa initially surveyed the asteroid's surface from a distance of about 20 km in the home position, a region roughly on a line connecting the Earth with the asteroid on the Sun

ward side. This is global mapping phase 1, the phase angle during this phase was small, no greater than 20 - 25 degrees. Global mapping phase 2, which lasted about a week, began on 4 October when the spacecraft reached a position near the terminator at a distance of 7 km, affording high phase angle views of the asteroid. Following this, the spacecraft moved back to the home position and then moved close to the surface in November for a rehearsal touchdown. This touchdown was attempted on 4 November but was aborted due to an anomalous signal at 700 meters above the asteroid's surface.



At 12:00 UT on 19 November Hayabusa began its descent towards the asteroid from an altitude of 1 km. At 19:33 UT the final approach was commanded, and the descent began from an altitude of about 450 meters at 12 cm/sec. The target marker was released at 20:30 UT 19 November about 40 meters above the asteroid and Hayabusa's descent was slowed to 3 cm/sec to allow the marker to fall ahead of it. The spacecraft reduced its speed to zero and then began free-fall at an altitude of 17 meters at which point contact was lost. Later telemetry indicated that Hayabusa hit the surface at 20:40 UT 19 November at roughly 10 cm/sec and bounced. It bounced again at 21:10 and then landed at 21:30 within about 30 meters of the target marker. At 21:58 it was commanded to make an emergency ascent. The craft remained on the surface for about half an hour but did not collect a sample. This was the first ever controlled landing on an asteroid and first ascent from any other solar system body except the Moon.

The re-entry capsule was detached from the main spacecraft at a distance of about 300,000 to 400,000 km from the Earth, and the capsule coasted on a ballistic trajectory, re-entering the Earth's atmosphere on 13 June 2010. The capsule experienced peak deceleration of about 25 G and heating rates ap-

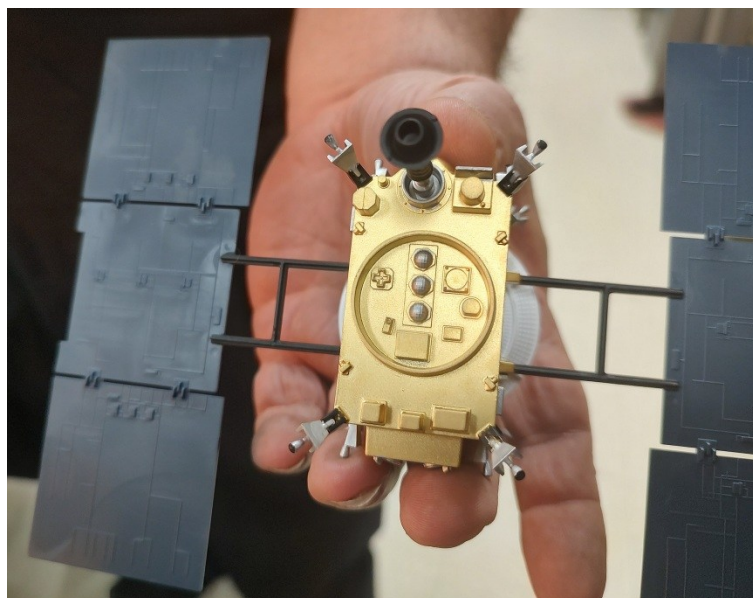
proximately 30 times those experienced by the Apollo spacecraft. It landed via parachute near Woomera, Australia.

The Hayabusa sample capsule returned to Earth and was recovered. Many of the tiny particles recovered from the sample return capsule were identified as pieces of what appears to be a very primitive asteroid. In addition to returning the first samples from the surface of asteroid, Hayabusa also is the first spacecraft to successfully land and take off from the surface of an asteroid.

THE KIT

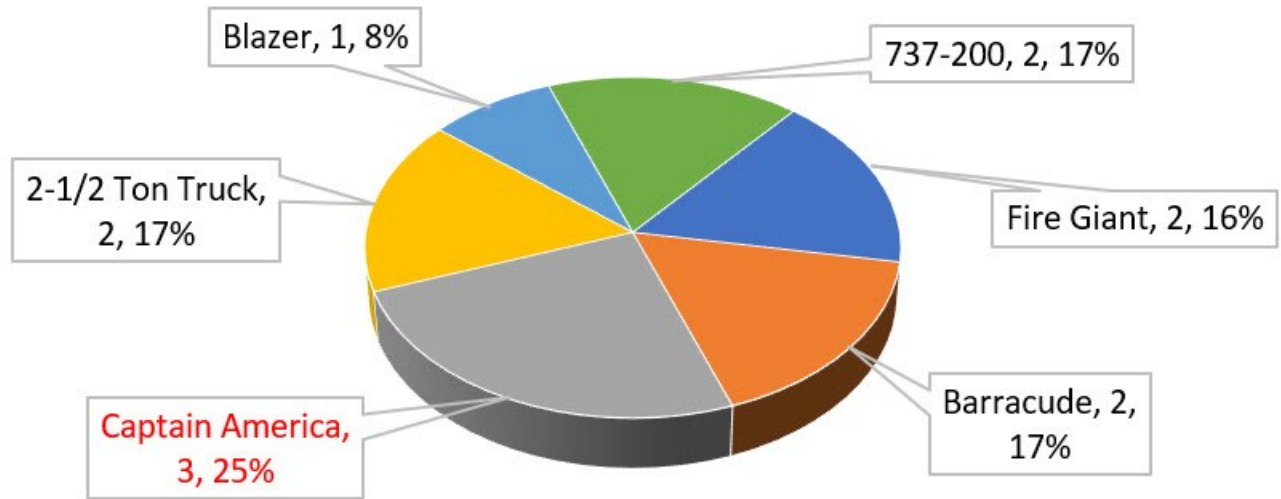
The Hayabusa is part of Aoshima's 'Spacecraft' series and is in 1/32 scale. The plastic is molded in grey and has really nice detail. There was absolutely no flash on the pieces, and the attachment points were very small. Though most of the wording of the instruction sheet was in Japanese, the steps were laid out in an easily understandable format. I had no trouble following them. There were only ten steps, including the display stand.

Everything went together really well! I found the build to be quite enjoyable! I painted the kit according to the instructions using Tamiya and Modelmaster paints. There were no decals included for it, so I cannot comment on that. Once completed, it looks like the satellite on the box art. All in all, I spent a total of 20-30 hours on it. If you're into real space kits, this would be a welcome addition to your collection! In any event, it was an interesting and different subject! I recommend it!



Modeler of the Month

April Model-of-the-Month Voting



Modeler of the
Month

April 2026

Captain America

By Bob Pierce





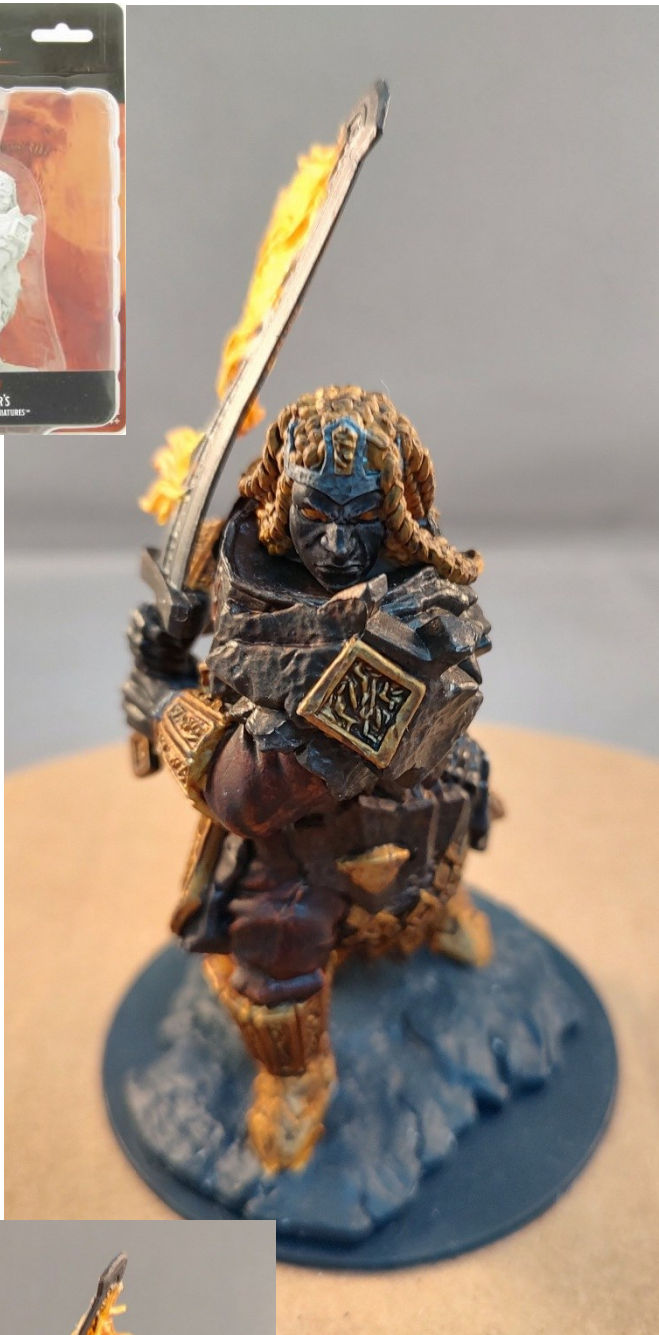
1/9 Captain America

By Bob Pierce

Finished with acrylic paints

Pros: Easy to build

Comments: Plan painting! Paint in layers



25mm Female Fire Giant (WizKids)

By Tony Bonti

Finished with Army
Painter colors and speed
paints.

Pros: Nice figure



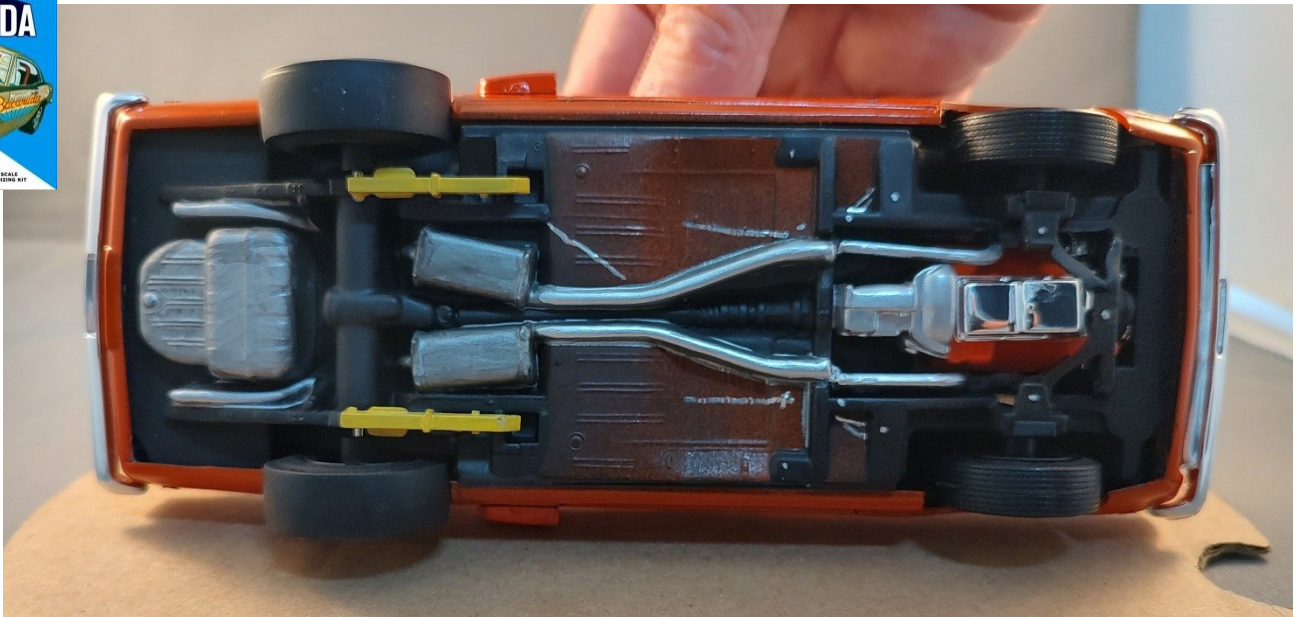
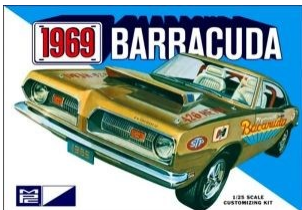
1/25 1969 Barracuda (MPC)

By Bob Pierce

Finished with Duplicolor

Pros: Fun to build

Cons: Lots of flashing

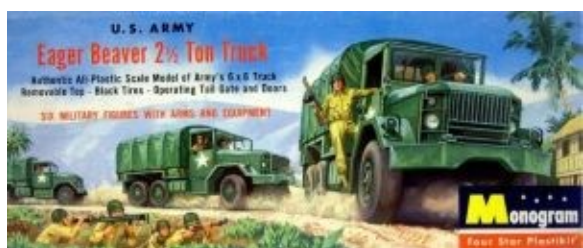




1/35 US Army 2-1/2 Ton Truck (Monogram)

By Ron Garland

Finished with Model Masters Olive Drab, Humbrol
Matt Field Drab





1/25 Chevy K5 Blazer (MPC)

By Ron Garland

Finished with Project Source Gloss Orang, Rust-oleum Gunmetal Soft Iron, Nutmeg

Comments: For a snap kit this is not a kit for a beginner



1/200 BA Boeing 737-200 (Revell)

By Grace Leavitt

Finished with Spray paints & acrylic markers

Pros: Good fit

Cons: Lousy decals

Comments: Started this 5-6 years ago and finally decided to finish it





1/25 1968 Shelby GT-500 (AMT)

By Kevin Keniston

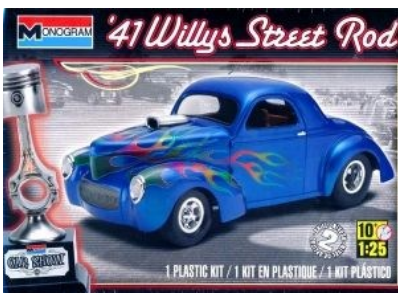
Finished with Rust-oleum American Accents 2X Ultra Deep Blue

Pros: Engine detail

Cons: Too much flash on parts

Comments: My first car





**1/25 '41 Willy Streetrod
(AMT)**

By Rich Allen

Finished with House of Col-
or Candy Apple Red, Gloss
Black

Pros: Nice kit

Cons: Suspension





"Hurry! HURRY!!"



OUR NEXT MEETING
WILL BE ON TUES-
DAY, MAY 5, 2026
AT THE MAINE MILI-
TARY MUSEUM,
SOUTH PORTLAND,
ME AND WILL START
AT 7:00 PM

Calendar

May 5—SMSM Meeting

June 2—SMSM Meeting

July 7—SMSM Meeting—Club Project: Water Planes

September 27—Patcon 2026

October Club Project: Figures

October 18—Granitecon 33