



1/72nd Sword Aichi B7A Grace
by Frank Cuden

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Here is my Sword 1/72nd model of the Aichi B7A Grace. While I don't build many models of Japanese aircraft, this World War II torpedo bomber caught my interest with its F4U-like wings along with its massive construction.

I experimented by masking off some upper wing panels and spraying them with a lighter green color. I followed that with a very thin coat of the base color to blend everything together. As they didn't see a lot of service, late in the war, wear and tear was kept to a minimum. The 70's Donald Thorpe book on Japanese Navy aircraft helped a lot, with the book being devoted

to just about all of the IJN aircraft, including chapters on special markings, stenciling, and color schemes. The book contains many period photographs and I based my model on a photo of a captured Grace in the book, the markings for which came in the kit. The canopy was vacuformed and I made a prop for the rear of the torpedo.



TCAH Officers

President, Bernie Kugel

Vice-President, Jeff Fries

Secretary, Marty Agather

Treasurer, Dennis Strand

Historian, Merrill Anderson

Newsletter Info

Article Submission Deadline: 22nd of each month

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Send Change of Address Notice to:
Dennis Strand

TCAH This Month

The monthly meeting will be held Saturday September 9, at Fleming Field, South St. Paul, beginning at 1:00 pm. Vendor baiting will begin about 12:00, so come early.

NORDICON 2017

September 30, 2017

Doors open at 9:00 a.m.
Awards ceremony will be around 3:30 p.m.

Inver Grove Heights Community Center, Inver Grove Heights, MN 55077



President's Report

by Bernie Kugel

Summer is winding down and NordicCon is just around the corner. I hope to see most of you all there. We have 5 special awards including three "Memorial" awards for members we have lost in the last two years.

At our last meeting we tried something new. As you all know we purchased a club computer recently and the MMFS purchased a small overhead camera. While playing around with it we were able to do Show N Tell while showing the models on the big screen using the projection system at Fleming Field. It greatly improved the meeting and everyone there liked using it. So it will be something we do every month now. For those who have asked. The camera is the Ipevo Ziggi HD Plus. You can find it online and it's price is around \$100. We also used it for John R. Ross's demo and it worked great.

Not much else. See you at the meeting.

Model on



Vice-President's Report

by Jeff Fries

I have just obtained the binders from a past member that we obtained from Barry Rosch during Larry Donovan's term. Many members probably don't recall the time they were gifted to TCAH. These are club property and should be used if need be. We will be asking if anyone would like to be the custodian of these binders for a bit.

I went through the sets and they are:

14 Vols of British Aircraft
20 Vols of American
8 Vol of Japanese
3 binders of IPMS quarterly vol.1 to vol.9

I will bring a few to the next meeting for those interested in browsing through and seeing what information that each contains.

Airline Chatter

by Terry Love

Boeing is hinting about their next airliner called the 797. It will be a twin-aisled smaller airliner with a range of about 5,000 miles, holding 220-270 passengers.

Qatar Airlines wants to buy 10% of American Airlines.

Air Canada has begun flights from Montreal to Tel Aviv, Israel using Boeing 777s.

Southwest Airlines is ceasing operations into Cuba that they started 7 months ago. Low ridership and restrictions are the reasons.

Aeroflot, the airline of Russia, ordered 24 Airbus A-350s valued at \$8.4 Billion.

Delta Airlines average fleet age is 17 years old due to MD-80s and Boeing 747s. The Boeing average age is 26 years, but most will be retiring this year.

Airbus announced that China Aviation Supplies Holding Company (CAS) of Communist China, ordered 100 Airbus A-320s and 40 Airbus A-350s. All airliner orders are handled by the Chinese Communist government. The Airbus A-320s will be built in China.

Air Transit, a Canadian travel airline, ordered 10 Airbus A-321LRs. Presently, Air Transit has a fleet of 31 airliners including Airbus A-330s and Boeing 737-800s.

Frontier Airlines is expanding. By next Spring, Frontier will add 21 new destinations, and 85 new routes, bringing their total routes to around 1,000. Most new

destinations are to warm weather destinations like Miami, Tampa, Orlando, Fort Myers, etc.

Alaska Airlines (all Boeing airliners) bought Virgin American Airlines (all Airbus airliners). Since Alaska Airlines headquarters is in Seattle, and they have an all Boeing fleet,.....want to buy some Airbus airliners????

Airbus said that they received NO orders for the Airbus A-380 at the Paris Air Show.

United Airlines retired its last Boeing 747 on July 31. United airlines flew the Boeing 747 for 40 years.



Treasurer's Report

by Dennis Strand

This month we purchased \$175.00 worth of trophies for NordicCon 2017. We also had William Ward from Stillwater renew his membership to TCAH after a long absence. Welcome back William!

Our club account, as of 8/18/2017, stands at \$5303.18.



Doolittle B-25 Build

by Dennis Strand

Hi everyone. Jeff Campbell, John R. Ross and Erik Zabel all brought completed B-25s to the August TCAH meeting. Well done gentlemen!

This gives us a total of 5 Doolittle Raiders built for the display project. This is a start, but we have a long way to go. Since I set a goal date for November (of this year) to have all 16 model aircraft ready for the USS Hornet flight deck, there is less than 3 months remaining. Let the CAF know that the TCAH can finish what it starts. I am hoping for several more completed kits by the September meeting.

I will remind anyone that would still like to take part in this effort that we have 3 kits available for building as back up for models that are currently signed out, but for whatever reasons are not able to be completed.

See you at the next meeting,





Tool Time
by Bob Arko

After the meeting, John R. Ross did a presentation on some of the tools he uses in modeling. So, being a fan, I rushed out and bought some of the stuff he showed us. Here are some of the things I remembered.

Iwata Super Lube

Use this on your airbrush needles and o-rings. It doesn't evaporate, doesn't affect paint, and has no silicone. A light coating is all that's necessary. John's example was labeled Iwata Super Lube, and this package has a label on the back claiming to be Iwata Super Lube, so I expect the only difference is the packaging.

Oral B Superfloss

Here is another airbrush maintenance item. Each strand consists of a piece of dental floss about a foot or so long. The ends are finished so you could thread a needle with them, and the centers balloon out to a wider diameter with a fluffy floss material (kind of shown on the box). This allows you to feed the end into a feed line or tube on your airbrush, and then pull the fat part through to do an internal wipe and clean. No more swiping pipe cleaners from the kid's Science Fair project!



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DenTek Easy Brush

Still more airbrush goodies!
These are "Interdental Cleaners"
that are sized to fit the passages



in your airbrush as well as the spaces between your teeth. They are soft and non-metallic, and seem like they would be good for sloshing around some thinner or cleaner in hard to get at places. If you use an organic solvent based thinner, test these with the thinner before inserting into your airbrush (potential goeey mess alert!).

Parafilm M

Parafilm is a thin sheet of deformable thermoplastic that will stretch around and cling to compound curves. Lab techs use it to seal stuff like test tubes, but you can use it for masking on compound curves. In the example photo, I stretched a piece over the nose glazing for the B-25 I am building. Your imagination is your only limit.

John showed us that placing a clear plastic part on a positionable LED lamp so the



light shines through the masking material can help visually locate the molded framework lines. In the next photo I used the B-25 nose wrapped with Parafilm to illustrate. At the demo it looked like it also worked with Tamiya yellow masking tape.

A final tool, not demoed at the meeting, is a leading edge sander I made from a piece of
(Continued on page 8)



Directions to the Club Meeting Location

Where: South St. Paul Municipal Airport, a.k.a. Fleming Field, located on the southern extremity of South St. Paul, south of 1-494, west of Concord Street and East of Highway 52.

If coming from the western Twin Cities going east on 494:

- Exit at the 7th and 5th Avenue exit (Exit No.65)
- Turn right (South) on 7th Ave and go approximately .6 miles to a 4-way Stop sign. This is South Street W. To your left there will be a McDonald's; to your right front there will be a Walgreen's.
- Turn left (East) at the 4-way Stop onto
- South Street W and go approximately .6 miles. Along the way you will encounter three more Stop signs—the third Stop sign (Henry Avenue) will be a "T" intersection. At the "T" intersection on your left will be homes and on your right softball fields.
- Turn right (south) onto Henry Ave. and go approximately .2

• miles toward the Fleming Field airport terminal building.

If coming from east Twin Cities on westbound 494:

- Exit at the 7th and 5th Avenue exit (Exit No.65)
- Turn left (South) on 7th Ave and go approximately .6 miles to a 4-way Stop sign. This is South Street W. To your left front there will be a small strip mall; to your right there will be an Amoco station.
- Turn left (East) at the 4-way Stop onto
- South Street W and go approximately .4 miles. Along the way you will encounter two more Stop signs—the third Stop sign (Henry Avenue) will be a "T" intersection. At the "T" intersection on your left will be homes and on your right softball fields.
- Turn right (south) onto Henry Ave. and go approximately .2 miles toward the Fleming Field airport terminal building

The terminal is on the right with

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Return address requested

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The group is open to aviation enthusiasts from teenagers on up who are interested in aviation modeling, photography, collecting, art and writing. For more information contact Larry Donovan at 651-501-4755.

The Twin Cities Aero Historians (TCAH) meet the second Saturday of every month at 1:00pm.

See above for the new meeting locations and directions.

Mail Newsletter material and address changes to the treasurer.

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scrap plastic. I used a candle to bend the fork at a 90 degree angle, and super glued a piece of sandpaper across the fork. This has just enough give to mimic a woodworker's bow sander for sanding curved surfaces like leading edges.



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