



AMA Chapter #3798

**Chino Valley
Model Aviators, Inc**

Official News Letter



IMAA Chapter 705

May 25, 2012

Volume 15 Issue 5 www.chinovalleymodelaviators.com

"To create an interest in, further the image of, and promote the hobby/sport of radio controlled aircraft"

Inside this issue:

- President's Column 2
- Engine Fumes Column 2
- Construction Tip 2
- Field Photos 3 & 4
- Combat Event 5
- Meeting Highlights 6
- Turbine Power 7
- Safety Column 7
- ERAU & Pylon Race Photos 8

CHINO VALLEY MODEL AVIATORS CLUB SELECTED AS BUSINESS OF THE MONTH



Photo by Jolyne Nichols

President of the Chino Valley Chamber of Commerce, *Dr. Armstrong*, presents the Business of the Month award plaque to CVMA President *Jay Riddle*. *Rick Nichols* CVMA Secretary/Treasurer (L) looks on. Chamber CEO *Ab Jackson* is in the background.

**Aim to be a leader
and you will be
frustrated.**

**For very few people
wish to be led.**

**Aim to be a servant
and you will never
be without a job.**

Support Our Local Hobby Shop



The Safeway Center
Prescott Valley, AZ
MAX & CINNAMON BANDY
THEY SUPPORT OUR CLUB

ERAU FLIGHT TEST CLASS

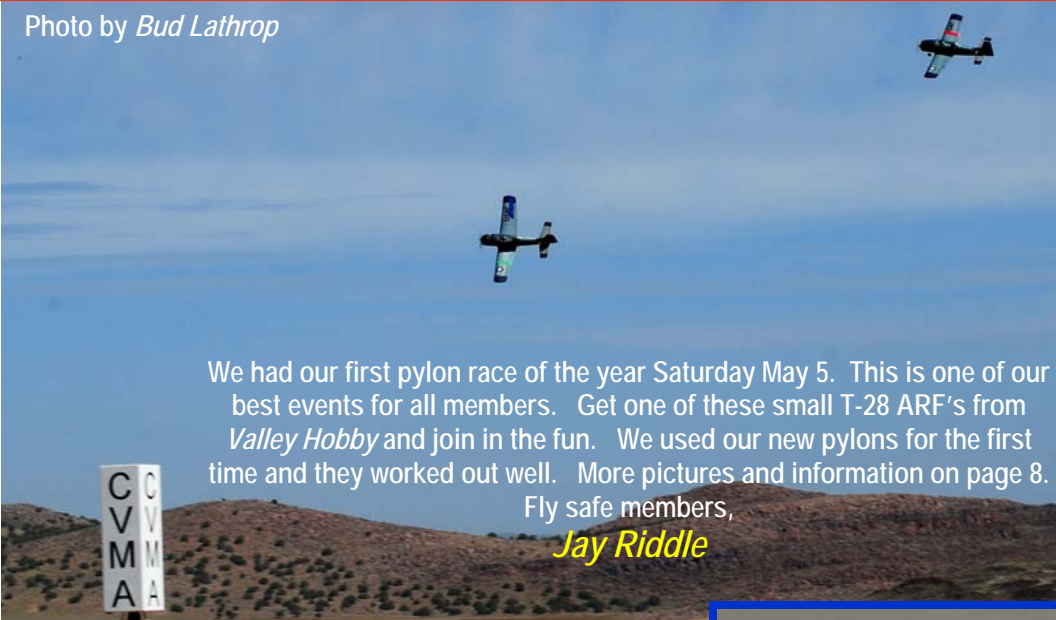


Embry-Riddle's Advanced Aeronautical Design class had a successful test at our field May 3. Former Army UAV pilot and CVMA member *Steve Rayleigh* (top row far left) was the pilot. Steve is also a student at Embry-Riddle. (More pictures on page 8)



From the Desk of CVMA President Jay Riddle

Photo by Bud Lathrop



We had our first pylon race of the year Saturday May 5. This is one of our best events for all members. Get one of these small T-28 ARF's from Valley Hobby and join in the fun. We used our new pylons for the first time and they worked out well. More pictures and information on page 8.

Fly safe members,
Jay Riddle

MARK YOUR CALENDARS

Check AMA Journal:

REGIONAL & STATE EVENTS

May 19 Armed Forces memorial - Eloy

June 30 Albuquerque - IMAC Challenge

CVMA MEETINGS



Third Wed. of every month at 7pm.
Prescott Airport

ENGINE FUMES

By Bob Shanks



Our little club of 100 members assists Embry-Riddle Aeronautical University (ERAU) when the Advanced Design Class comes up with a UAV design controlled by RC. What's intriguing is the fact their designs are built using the same materials found in full size aviation making the effort all the more challenging.

This year's plane, see page eight of this issue, is constructed entirely of fiberglass, aluminum and carbon fiber, no balsa.

Weight and power would be greatly assisted if the students used balsa and other RC techniques.

Designs are submitted by students and then voted on as to which one will be constructed. Extensive tests are

done using computer assisted programs for design and wind tunnels located on campus.

The main objective of the class of course is the aeronautical engineering aspect, drawings, and formal presentations. Even though they have an abundance of wind tunnel data as to the designs flight worthiness, it is still a thrill to see all their efforts come to a successful flight at our field.

This year's design is powered by a small gas engine. Past classes have designed electric powered UAV's.

The learning curve is the main objective. Some designs have flown well others not so well but again the knowledge the students take away from the class is key. Great community support from our club.

CVMA MEMBERS Kick In Your Afterburner...



BUILD SOMETHING, BRING IT TO OUR NEXT MEETING!

CONSTRUCTION TIP

Unclog your CA Tips

Those tips that come with your jar of CA clog much too easily, right? To keep them ready to use, get a small **plastic bottle** with a tight lid and fill it partway with acetone, available from the hardware store. Make sure that the bottle/container is impervious to the acetone, just to be safe.

Now, when you're done with your building/repair project for the day, drop that tip into the acetone until your next session. Any dried CA will be dissolved by then. Idea From: Wing Busters Model Airplane Club, Massachusetts

CVMA NEWSLETTER

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President — Jay Riddle

Vice President — Bob Noulin

Sec't./Treas. — Rick Nichols

Flight Instructor — Randy Meathrell

Safety Officer — Bob Shanks

Board Member — Allan Collins

Board Member — Dennis O'Connor

Newsletter Editor — Bob Shanks

Marvin Jones Boomerang

CVMA PILOTS AND THEIR AIRCRAFT



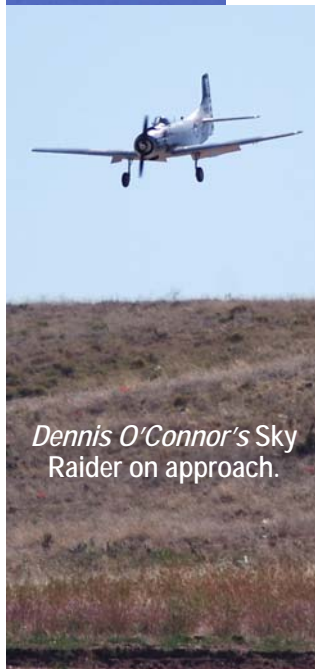
More shots of Marvin Jones Turbine.



Chris Myhre's electric chopper.



Dane O'Brien's profile Edge 540 from Ohio Model Products (OMP).



Dennis O'Connor's Sky Raider on approach.



Cool Sky Raider.

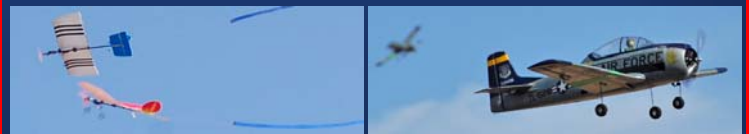


Getting those combat ships ready (L to R) Don Fergusson, Tom Jeffery and Randy Meathrell.



2012 Chino Valley Planned Activities

- June 2nd T-28 Pylon Race (June 23)
- July Fun Fly & Swap Meet (July 7)
- August 2nd War Bird Race (Aug 25)
- September Fun Fly (Sept 8)
- October 2nd Combat Contest (Oct 6)
- December Christmas Party (Dec 1)
- As Needed - Embry Riddle Student Project Support
- As Requested - School and Library Programs



CVMA PILOTS AND THEIR AIRCRAFT



Byron Cluckey's Bixler

Byron Cluckey gets his Bixler with a camera station ready to go, Ray Stone watches.



Bob Noulin's Multiplex foamie.



Rick Nichols and his slow stick.



Rick gets his little EP Super Sportster ready.



Jay Riddle takes off his big Hanger 9 Edge.

Tom Well's...



Little Blu-Baby.



Jay's Hanger 9 flies well, a nice gas powered plane.



Dennis O'Connor's Sky Raider pilot.



Sky Raider with flaps down coming in.



Combat is a sky full of angry bees!



Al Collins assists Jay.

FLIGHT BOX FIRE

by Jim Coleman, an RC club in Coon Rapids MN

During a flying session at a British Model Flying Association-affiliated club site, the pilot and his helper noticed a flash of arcing inside the flight box. The starter was immediately disconnected and the 12-volt battery removed. After this it was noticed that the bottom of the plastic flight box was bubbling, the cause of which was not immediately apparent.

After 15 seconds or so, the pilot and his helper tried to remove the flight box from the pit area and, as the pilot's helper bent over to pick it up, the flight box exploded in his face, throwing him some 30 feet and causing burns to his face and scalp, which required specialized hospital treatment.

The explosion was caused by the ignition of half a gallon of methanol-based fuel that was stored inside the plastic flight box together with the 12-volt battery and associated circuitry. Unfortunately the flight box was so badly damaged that inspection did not reveal the detailed cause of the ignition. However, it is probable that an electrical fault ignited spilled fuel, fuel vapor, or probably both causing the plastic flight box to melt and the fuel container to ignite. Unfortunately, methanol burns with a very pale blue flame that is barely discernible in daylight resulting in the pilot and helper being unaware of the seriousness of the situation.



RICK NICHOLS WINS COMBAT EVENT HELD MAY 12



Randy Meathrell's scratch build Pronto.

May Meeting Highlights

The meeting was called to order at 7:00 PM by *President Jay Riddle*. The salute to the flag was led by *Bob Shanks*. 48 members were in attendance. New member *Gerald English* was introduced as were visitors *David Johnson, Raven Hunt, Tony Lemac, Steve and Jim Shepherd*.

Rick Nichols gave the Treasurers report, a motion to approve was made by Chuck Colwell, seconded by *Randy Meathrell* and approved.

Safety Contact *Bob Shanks* reported on the caution that must be observed in avoiding flying over the pit area. Our pits are close to the runway so extra care should be taken. Also no taxing in and out of the pits and no high speed flyovers above the runway. Keep the high speed runs north of the runway.

President *Jay Riddle* brought the subject of the need to increase the dues next year. The dues have been the same rate since the club was started 15 years ago and it is necessary to in-

crease them to help meet the needed expenses for runway upkeep. The suggested rate increase will be from \$50.00 annually to \$75.00. Family membership would increase to \$25.00, Junior membership would increase to \$10.00 and Associate Membership would increase to \$40.00.

Past practice has been that the club officers do not pay dues as an incentive to serve as an officer. This will change and officers will pay the full fare of dues.

We also propose to drop the initial \$25.00 Field Maintenance fee for new members that are joining the club. [This publication is a notice to all members and will be voted on at the June 20 meeting. Members attending the meeting will be eligible to vote on this issue.](#)

Dennis and Jay reported on their day of cleaning out our storage container at the field. 642 pounds of "stuff" was hauled to the dump. It is now possible to navigate from one end of the shed to the other.

Randy Meathrell reported on how the new Pylon Racing timing lights functioned at the April races. After working out a couple bugs they performed great. Randy thanked *Bud Mellor* for his hard work putting the lights and system together. Randy also reported on the May 12 Combat flying.

On Monday, June 11 we will be putting on a "build a plane" program for the children at the Chino Valley Public Library. This is always fun and if you can help us with this please show up at the library around 10:00 AM. Max Bandy showed us a P-51 B plane that Valley Hobby is now carrying at the low price of \$139.00. Two of them were sold at the meeting and I am sure we will be seeing more of them at the field as they look like a great airplane.

We had a ton of airplanes for show and tell tonight. Lots of unusual airplanes. *Chuck Colwell* alone brought 4 airplanes. He started with his Yak with a 120 motor then showed his great looking Great Planes Tiger 60, this was followed by his Allure Glider and then his Escapade Elec-

tric. *Bob Noulin* brought his Intruder Pattern airplane. *Gerald English* brought 2 Dollar Tree Foam airplanes, one was an articulated wing experimental, the other I did not get the name of. Gerald used some very interesting building techniques in constructing these unusual beauties. *Don Ferguson* showed his 3 foam dollar tree jet airplanes. *Vic Block* brought his great looking Waco Biplane and his DC-3. *Glenn Heithold* brought his Jap Zero and last but not least *Scott Wemple* brought his balsa prototype model of a full size ultra-light that he will be constructing.

Max Bandy told the members that Tom Jeffrey won a \$50.00 gift certificate at the Club Christmas party last year. Tom gave it to Max and asked him to give it to someone that really deserved it and needed it. Max told us that he just gave it to a *Greg Yelts* who is a recovering Afghanistan Veteran. [Way to go Tom Jeffrey, what a nice gesture.](#)



SHOP VALLEY HOBBY

VALLEY HOBBY

Owners: Cinnamon and Max Bandy

A \$15 Gift Certificate was won by *Greg Welch*.

MARVIN JONES TURBINE AT OUR FIELD



Marvin Jones turbine powered jet is named the "Boomerang Sprint" sport/trainer. This model has a 75" wing span. Speed range is 18-150 MPH with 17 pounds of thrust. The plane is powered by the Jet Cat P-70 turbine. This power plant turns 23,000 RPMs and gulps 12 ounces of Jet A fuel per minute at full speed. Notice the heat signature behind Marvin's turbine power.

SAFETY IS ALWAYS AN ISSUE

Ok members, we need to continually emphasize that no one but no one should fly over the pit area. We should all stay north of the runway and NO high speed passes over the runway. If you are making landing approaches that is of course a different story.

We have repeatedly reminded folks our pit area is very close to our active runway so be vigilant at all times and listen to what is happening around you as you work on your model.

We also need to remind all members as well as new mem-

bers to read our list of rules occasionally to keep them fresh in your mind.

Also, do not taxi into or out if the pit area. Pick up your plane or hold on to the larger models as you push it out to the edge of the runway. When returning to the pit area do not taxi into the pit and keep your model parallel to the pit not pointed into the pit as you shut it down. We don't want any sudden accelerations taking the model into the pit and hitting someone with their back to the runway bent over their model getting it ready to fly.

This next topic, while not directly related to safety, is a problem the board has discussed extensively, the raising of our club dues. We have had a \$50 due rate for over 10 years and the club cannot keep up with all expenses that are increasing. We propose the raise dues to \$75 a year with everyone paying. The board has not paid dues but will under these new guidelines. No special runway assessment for new members either, just a flat \$75 a year for everyone.

We will be voting on this at the June meeting so attend if

you plan to vote. Our governing by-laws state you have to be present at the meetings to vote. If you don't fly or go to the field or attend meetings regularly you can't keep abreast of developing issues we vote on. The new dues structure is planned to take affect 1 January 2013.

Read the minutes on page 6 where we did discuss this issue. Our new dues structure, if approved will still be at the lower end of most clubs regionally and nationally. One club in California charges \$250 but they have a new runway.

FIRST PYLON RACE OF YEAR IN APRIL A BIG SUCCESS



Our first race of the year had perfect weather. Winners were as follows:

1st Place: *Jerry Calvert*
 2nd Place: *Don Ferguson*
 3rd Place: *Tony Lopez*
 4th Place: *Randy Meathrell*
 5th Place: *Roger Calvert*
 6th Place: *Eric Cammisco*
 7th Place: *Bob Noulin*
 8th Place: *Rick Nichols*

The club's new timing system worked superbly.

Race Photos by *Bud Lathrop & Carol Meathrell*

EMBRY-RIDDLE DESIGN CLASS HAS SUCCESSFUL UAV TEST FLIGHT MAY 3



Taxi Test

Spinner popped off on its first landing.

Parents get some shots of the class.