

Lawton Area Fun Flyer's Society

Minutes for April 7, 2009 Meeting

Members in Attendance:

Howard Bizzell	Brent Brennan	Jerry Chinnow
Corky Fain	Colin Fletcher	Durwin Fletcher
Gary Fletcher	Kris Frost	James Gibson
Owen Gibson	Pete Gonzales	Ron Hipp
Ken Isaac	Steve Jakubiszyn	Larry Kruse
Paul Phillips	Gene Wallock	

President Ken Isaac opened the meeting at 6:15 p.m. with the announcement that the only agenda item would be finalization of the Mall Show. Minutes of the March 10 meeting were approved on a motion by Gene Wallock and a second by Chip Gibson. Treasurer Brent Brennan reported a treasury balance of \$2464.13, with a check for the club shirts still outstanding to All Things Embroidered. The cost of the shirts will be paid by individual club members and will be reflected in next month's minutes. The Treasurer's report was approved unanimously.

Old Business:

Larry Kruse gave a report on the arrangements for the Mall Show to be held April 18 at Central Mall. Larry said everything appears to be in place and that he had checked with Mall Security to make sure club members would have access before the Mall opened in order to get their planes in place before 10 o'clock. He noted that a photographer from the Constitution would make an appearance at the meeting shortly to take pictures for a story that would appear in the "Styles" section of the paper on the Sunday preceding the event.

At 6:30 Jeff Dixon, the photographer from the Constitution arrived and photographed several planes, including those brought by Ron Hipp, Ken Isaac, and Kris Frost. Owen Gibson and Colin Fletcher were recruited to help pose with Ken Isaac and his Great Planes Spad.

Larry wrapped up his report on the Mall Show progress by reminding members of the time of the show, the member's work schedule, and their commitment to bring specified planes. The planes will be given numbers and placed on a descriptive list so that Mall Show patrons can vote on their favorite model. Gary Fletcher and Ken Isaac each will bring a flight simulator, and Ken will bring constant loop videos for people to watch. He also announced that people could pick up the club shirts they had ordered at the conclusion of the meeting in order to have them to wear for the Mall Show.

New Business:

New Business items were waived to allow an extended report on the Mall Show progress.

Show and Tell:

Kris Frost presented an explanation and demonstration of building a S.P.A.D. (Simple Plastic Airplane Designs) model out of cheap items available from hardware stores and plastic suppliers. Essentially, the plane is built of Coroplast corrugated plastic and square PVC drain pipe. Kris said he has materials given to him, particularly old plastic signs that have been discarded, and PVC pipe can be purchased at any hardware supply such as Lowes.

These planes typically use yardsticks or similar size wood strips for the main wing spar. The easiest construction is to use 2 mil Coroplast for the top of the wing and 4 mil for the bottom to facilitate bending the airfoil section. He demonstrated putting a wing together using a clamp he had constructed from a scrap 2X4. The process essentially involved CAing the trailing edge, installing the spar, and then bending the leading edge into position. Kris demonstrated the use of a blow torch for prepping the Coroplast before gluing it in order to remove flashing and manufacturing oils. Wing airfoils can be either flat-bottomed or semi-symmetrical and typically have a 12-14% spar height.

The ailerons, elevator, and rudder are integral to their adjoining flying surface simply by cutting one of the flutes of the material. Kris had made a special tool for cutting the flutes which made the process very accurate and repeatable. The tail surfaces are typically screwed in place with “L” braces used to keep the fin and rudder aligned to the fuselage.

The location of the wing is done by sliding the wing back and forth to arrive at a CG approximately 25-30% behind the leading edge of the wing. Holes for dowels are then drilled at the required locations. Cut-outs for servos are made Dremel tools where needed and the servos screwed to the PVC fuselage. The firewall and landing gear reinforcement plates are cut from a heavier gauge of plastic and screwed in place.

Kris said that there are many web sites available such as “SpadWorld.net” and “Spad to the Bone” that feature plans and building tips for this particular type of airplane. The presentation was met with much appreciation and interest. It may be that we will see SPADs other than Kris’ at the LAFFS field in the near future. Thanks for a really good “Show and Tell”, Kris!

Raffle Winners:

Colin Fletcher—fuel pump (club purchase)
Larry Kruse—prop balancer (club purchase)
Owen Gibson—Air Hog indoor plane (Paul Phillips donation)
Corky Fain—Club hat with logo (All Things Embroidered donation)

Ken Isaac—Z-bend tool (club purchase)

Steve Jakubiszyn—Club hat with logo (All Things Embroidered donation)

Larry Kruse noted that the club purchase raffle items were bought at Mike's Models on 10th and May in Oklahoma City and that Mike McMurtry, the owner, sold them to the club at his cost, saving the club over \$25. Larry also noted that club hats with logos were available from All Things Embroidered for \$17.

Adjournment:

The meeting adjourned at 7:20 p.m. on a motion by Corky Fain and a second by Jerry Chinnow.