

# KCAM FLIGHTLINE



A RADIO CONTROL  
MODEL AIRPLANE  
CLUB



AMA charter member  
since 1968  
Member No. 198

Kent County Aeromodelers Newsletter

<http://www.kcam-de.org/>

January, 2013

## KCAM OFFICERS

- President - [Stacey Vrem](#)
- Vice President - [Bill Kennedy](#)
- Secretary - [Reagan Paquette](#)
- Treasurer - [Joe O'Connell](#)
- Membership - [Curtis Merriman](#)
- Training Coord - [Don Vincent](#)
- Safety Officer - [Doug Cauley](#)
- Field Manager - [Jerry Lisiecki](#)



## Club Events in January

**January 1 (Tuesday)**  
First Flyer of the New  
Year - Sunrise at the  
Sandtown Field

**January 8 (Tuesday)**  
KCAM General Meeting  
at 7:00pm at the MMC

**January 19 (Saturday) KCAM  
Breakfast**, 8:30pm at Hall's  
Restaurant, Wyoming, DE

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## KCAM Christmas Dinner



First annual Christmas Dinner held at Franco's in Dover on Saturday, December 15th

On December 16th, Steve Dodson reported: "We had our first annual Christmas dinner held at Franco's last night with 14 members and/or their significant others. All those who attended had a great time with a few good laughs and a LOT of good food. I think

nearly everyone took enough home for dinner again tonight. We hope to see more members next year!"

We're glad everyone in attendance enjoyed themselves! Certainly, next year's event will see a larger crowd!



## "Burrito Bomber" UAV Delivers Dinner! by Debra Cleghorn

There's been a lot of talk at the field about Unmanned Aerial Vehicles, or UAVs. What, with the FAA, Congress and our beloved AMA working out the details on keeping us safe, a group of young entrepreneurs in San Francisco, CA have come up with a unique

"Aerial Delivery"... Hungry? This drone is ready to deliver dinner to your doorstep. A team of designers at Darwin Aerospace recently built the "Burrito Bomber," a UAV outfitted with a release mechanism and autopilot controls, so it can take food orders and air drop

them at a person's location within minutes. Here's the scoop from [Gizmag](#): Using a Skywalker X-8 FPV/UAV Flying Wing for a frame, the group constructed a delivery mechanism out of a Quantum RTR Bomb System with a canister built from (see page 3)

# December General Meeting Minutes

Bill Kennedy, Vice-President, called the monthly meeting of KCAM to order at the MMC in Dover at 7:00 p.m. There were 19 members present at this meeting including all board members and committee chairs except Stacey Vrem, Stu Yeomans, Curtis Merriman and Jerry Lisiecki.

**Announcements** (*Bill Kennedy*): Bill welcomed everyone to the meeting. There were no guests present and no illnesses reported. Bill announced to the members that Don Bernard, a former member of our club, passed away last Monday. Don was a great guy and Bronze Medal recipient. Our thoughts go out to his family and friends.

**Upcoming events** (*Bill Kennedy*):

**KCAM Breakfast** on December 15 at 8:30am at Hall's restaurant, all members welcome

**KCAM BOD Meeting** at MMC on December 19 at 7:00pm, all members welcome

**KCAM First Flyer of New Year** at the field on January 1 at sunrise

**KCAM General Meeting** on January 8 at 7:00pm at the MMC

**Secretary's Report** (*Reagan Paquette*): Reagan went over the high lights of last month's meeting minutes, which were emailed to all members. Don Vincent made a motion to accept the minutes; Buddy Scott seconded the motion with all present in favor.

**Treasurer's Report** (*Joe O'Connell*): Joe passed around copies of the treasurer's report. The club balance is \$XXXX. with expenses for this month being \$497.12 and income being \$XXX.XX. Buddy Scott made a motion to accept the report; Al Mills seconded the mo-

tion with all present in favor.

**Safety Report** (*Bill Suter*): Bill had nothing to report.

**Training Report** (*Don Vincent*): Don said that he will be checking Curtis out as instructor soon.

**Membership Report** (*Curtis Merriman*): Curtis was not present but sent Bill an email stating that we have 68 members, 12 students and 11 instructors.

**Field Report** (*Jerry Lisiecki*): Jerry was not present but there is nothing happening at the field.

**Newsletter Report** (*Stu Yeomans*): Stu was not present at the meeting.

**Web Master Report** (*Curtis Merriman*): Curtis was not present at the meeting.

**Old Business** (*Bill Kennedy*): Bill reported that the Toys for Tots drive went well with a lot of toys and money donated. Thanks to all who helped and donated to this great cause.

Don reported on the status of the Home of the Brave. The story about them throwing away stuff was true, but it was unusable furniture that they had no room to store. Don used the money that was donated by members to purchase more food and coffee. He suggested if we donate to them next year that we only donate food and paper products. The new board will discuss if we will be donating to the Home of the Brave next year.

Paul George talked about having a weather station out at the field that can be accessed from a PC or smart phone so that members can check the weather at the field before making the trip out there. He researched several companies and

reported mostly on the Davis Company. Paul said that the station is \$286.00 and the software is \$295.00, but Curtis made the comment that we would not need the software. It would still need a phone and a monthly plan that could access the data. They have a turn-key unit for \$895.00 that includes phone and plan that would be \$20.00 per month for data that would be updated every 5 minutes. Lead time would be about two months. The board will look at the information Paul has collected and report back to the club. Thanks Paul. There was no other old business to discuss.

**New Business** (*Bill Kennedy*):

Bill announced that the new board has now been seated. The elected officers did not change for 2013. Brian LaRochelle was appointed as the new Member at Large/Newsletter editor. Curtis will continue to serve as the membership committee chair, Don Vincent will continue on as the training committee chair and Jerry will continue to be the field committee chair. Doug Cauley was appointed as the new safety chair with Bill Suter continuing to serve on the safety committee.

Attached is an updated Officers and Committee list. As you can see there are a few opportunities for members to volunteer for other committees. Please contact any board member if you wish to volunteer.

Along with the need for more volunteers, there was a discussion about needing a Fun Fly coordinator and more participation in the Fun Flies. Jerry Buckley asked about having some electric events but said he just likes to come out and have fun flying.

Jack tried to get Club 40 Racing

# December General Meeting Minutes *(cont'd)*

started in the club but it did not catch on. John Opsitnik tried to bring combat flying to the club, even building and selling about 10 combat flying wings but again it did not catch on. Buddy said that they used to fly the foamy wings after jet rallies and had about 20 in the air at a time, just to have fun.

Reagan made a motion to cancel the fun flies for 2013; Jerry Buckley seconded the motion. After more discussion it was voted 9 for and 2 against to cancel the fun flies. The fun flies for 2013 are canceled at this point. Reagan stated that if someone steps forward to run the fun flies and there is

enough participation they could be put back on the schedule.

Reagan read an email he received from Bob Blaney thanking the club for the gift cards that the club bought Bob for his years of support of the club website.

Jerry Buckley reported on the proposal to put solar power at the field. He visited the Hurlock field to look at their solar system. Jerry, John Opsitnik and Chris Helwig are working on plans and proposal to present to the club soon. Tom Englehart said that it cost the Seaford club about \$2000.00 for their solar system. Again, it was brought up about

our equipment being stolen, but several members said we can't live in fear of our stuff being stolen. If we do they win.

Tom Englehart reported that Don Kim, a previous member of the club, just made Chief Master Sergeant and is stationed at Scott Air Force Base.

No other new business to discuss.

**Wrap Up** *(Bill Kennedy)*: Bill again went over the up and coming events listed earlier. Last call for the 50/50 was made. The winning ticket was drawn by Mike Rogers with Don Vincent coming out the winner of \$9.00.

**Adjournment** *(Bill Kennedy)*:

## “Burrito Bomber” UAV Delivers Dinner *(from page 1)*

a 3-inch diameter mailing tube and some custom 3D printed parts. Navigation is handled by an ArduPilot control system, which the developers can use to set waypoints for the drone to follow on autopilot or manually control the aircraft using the video feed from a built-in camera.

Orders are taken through a web app, which pinpoints a user's location and automatically creates a

waypoint file for the drone to follow. Then an operator loads the burrito into the canister, uploads the waypoint file, and sends the bomber on its way. The canister holds and protects a 500 gram burrito and deploys an attached parachute when dropped, so the contents arrive in one edible piece at their destination.

**Check out the Burrito Bomber in Action on YouTube!**



## Lego Drone! *by Debra Cleghorn*

Ed Scott, along with his sons Nicholas and Christopher, get the credit for this unique flyer!

Equipped with a Go Pro camera, FPV video transmitter and even a GPS system, this Lego quadcopter is definitely not in the "toy" category. Ed writes:

My son kept asking me to attach lego things that they made to my the motors from the GAUI.

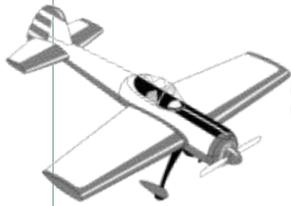
If we could automate it we could make the worlds first flying LEGO Drone. We came up with a design using LDD that had strength and we would be able to open the top to get at the wires. Then we used LEGOs Pick A Brick to order the LEGOs.. The Quad was built 100% by my boys and then I helped them glue it together together. Since we have been flying it we have had some very hard landings and a few flips, except

the legs breaking off it has been superb and very very strong. I plan on changing out the legs from the "LEGO window frame" to a "2x2 brick" to give it even more strength. Most people go to their favourite hobby store to get parts for their UAV, I go to my kids playroom.

**Check it Out on YouTube!**

# KENT COUNTY AEROMODELERS

657 Mahan Corner Rd  
Felton, DE 19943



## About our organization...

The Kent County Aeromodelers, Inc., is a club formed for the purpose of "Fly for Fun". It is a non-profit organization, chartered by the Academy of Model Aeronautics (AMA). The primary objective of the club is to foster and promote the design, construction and flying of radio controlled model aircraft. It is also the objective of the club to promote flying improvement by each member.

## Where we can be found...

Our field is located near the Delaware Solid Waste Recovery site about 1 mile north of Sandtown, Delaware at 657 Mahan Corner Road. The entrance is via a locked gate (keys are given to club members). If the gate is open, then you may enter as a guest, however, flying is only permitted as a guest of a member who must be present. Flying is available during daylight hours. Noise restrictions are always in effect, AMA rules apply. Local field rules are posted. Transmitter frequency control is in use during high usage times.

## 2012 - The Year In Review—Oh, What Fun We Had!



For more information, check us out on Facebook and Flickr!

