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Saints Website - www.saintsrc.com

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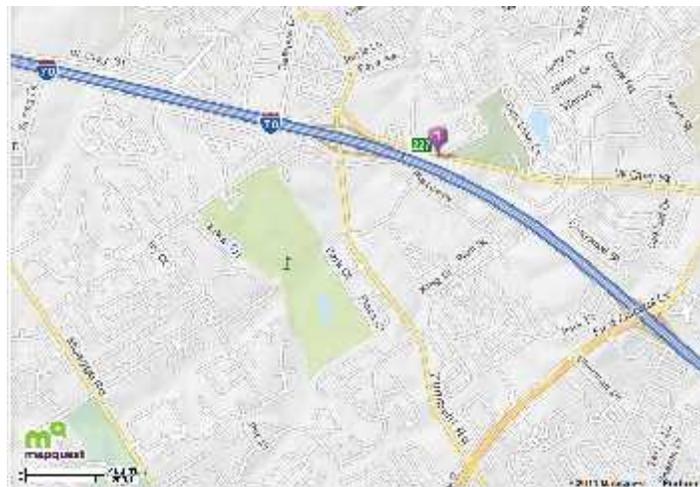
Meeting Schedule

Meeting Dates: 2018: Feb 14, Mar 14, Apr 11, May 9, Jun 13, Jul 11, Aug 8, Sep 12
Oct 10, Nov 14, Dec* * TBD

Meeting Time: 7pm

Meeting Location: Mark Twain Hobby Shop

From eastbound I-70 take the Zumbuhl exit north and turn right on West Clay. Go 1/4 mile. Mark Twain Hobbies will be on your right. The meeting room is entered via the leftmost outside door for Mark Twain Hobbies.



Meeting Minutes

January Meeting Minutes (1/10/2018)

The meeting was called to order on 1/10/2018 by our President, Richard Jenkins.

Vice President Doug Sanders made the roll call. At that point, there were 24 members signed up for 2018 so far. There were 14 members present at this month's meeting including no new members. We currently have two non-flying senior members.

Treasurer Report: Our new Treasurer, Bob Hunsel, was present and he gave the treasurers report.

We bought twelve give cards from Mark Twain Hobby, in which we will give away one per month at the meetings for attendance prizes.

There was a motion to accept the Treasurer's report as given. Approved. No secretary's report as there was no newsletter for Dec.

Tony's restaurant had a packed house on the day of the Christmas party. Had to wait a little while for a table, but everything went well. The food was good.

Safety report – Frank Eck volunteered to be a Safety officer for this year. His duties will be to make the Club aware of any safety related news from the AMA, etc. Also, to report any safety related incidents that occur at the field to the Club. Frank joked that he and Bill went to the field last week to cut the grass and shoveling the snow. We laughed!

Field report – Bill McMenamy said that the mice are still eating the repellent placed in the shed and that's better than them eating tractor parts. It was mentioned that we should be paying the minimum winter rate on the Porta Potty. Frank Eck questioned if the combination to the lock at the field had been taken off the back of the application at the hobby shop. It was. Doug took care of it.

Our president looked up information on the cost of placing a weather station at the field. The cost was about \$1,300 with \$50 to \$60 a month for the data link which makes it possible to check field conditions from home or cell phone. Larry Bollinger then mentioned that he has placed weather station info on our Club's site (see our Web site for details) and has already bought the parts necessary to build it. He also mentioned that it was a little more complex than he expected. The major hang up appears to be the software, which is compiled in 'C' programming language. Larry admitted that he is not versed in 'C'. The current software contains a phone number hard coded in it, and at first it was believed that the number should to be changed to use our website. Larry then mentioned that upon further inspection, it looks like the code's owner dials a free website through a link and to uses the link to display the information. Therefore, you don't really need to use our website. Larry then mentioned that he also looked up the cost of stations and quoted about \$900.

Anyway, Larry has spent about \$100 so far on the solar powered system on our site. He's got the anemometer and the wind sensor that's mentioned on our site. Larry just hasn't been able to get the code to compile. He is not a 'C' programmer but we have several club members that have experience. Perhaps they can contact Larry to take a peek at the code. Prez, then discussed the process of compiling 'C' code to the members present. Larry spoke on the data that would be displayed every 10 minutes: Wind direction, average wind speed, wind direction, maximum wind speed, solar charge current, and battery drain current. No rainfall. Bill McMenamy joked about how he just looks at the 'weather rock' down at the field. If it's wet, it's raining, if it's dry, it's not raining, if it doesn't have a shadow, it's sunny, if it's got a shadow, it's overcast, and if it's off in the ditch then it's windy!

Old business. – Awards for 2017 were passed out.

Member of the Year: Bill McMenamy.

Officer of the Year: Our President, Richard Jenkins.

Crash of the Year: Greg Fritz

Doug passed out member cards to attending members that have paid their dues. At meeting time, Doug said that if anybody sent in a self-stamped envelope, they went out in the mail on the day of our meeting.

Show and tell: - Richard Jenkins brought in a homemade wing bag using a material called Reflextrix available at Lowes or Menards. It's insulation with foil on one side and a bubble wrap foam on the other side. It's very inexpensive when compared to \$40 or \$50 wing bags that you can buy. You can cut it into the shape you need for your wings (or any other plane part needing to be protected during transport). He scores the edges, then he takes a Mono Kote iron and seals the bubble wrap on the edges. Some members staple the edges. The cost is \$20 for roll 50 feet by 2 feet.

Don Bollinger is getting into gyro's. He brought in a Dynam Sukhoi 26M with a 7 channel Lemon receiver that has built in stabilization. It uses the landing gear switch to turn the stabilizer off and on and uses a knob on the receiver to adjust the gain of the rudder, ailerons and elevator. You can change gain while the plane is in the air. He hasn't flown it yet, but he joked that he was waiting for a real windy day to see if he could fly it. The wing is two pieces. He bought the receiver separately. Lemon receivers are DSMX/DSMP and are compatible/cheaper than Spektrum receivers. He paid \$25 for the receiver.

Don is also getting into 3D printers. Another club member, Dan Dierking's got us hooked. Don got his 3D printer over Christmas and is enthused about the GWS Slow Stick airplane. It's a flying stick (YouTube it). Don has used the printer along with Tinker Cad software to make the plastic motor mount, landing gear mounts, adjustable wing mounts, servo mount for the rudder and elevator servos, a rear tail wheel mount and a tail mount. He's been building the printer for about 2 weeks and then designing/printing the parts for past two days. The purpose is to be able to build cheap planes with 3D printed replaceable parts. A bomb drop is in the future. The wings will be made from Coroplast, balsa, foam board, or anything he can rubber band to the stick. Don joked that if it doesn't fly, he'll keep designing things until it does. He also joked that the printer was listed for \$228 but he had a \$202 Discover gift card so he got the printer for \$26 bucks! A one-pound roll of filament came with the printer. The Plastic used for the plane is called PLA which he said doesn't shrink in the printing process. He designed a wheel for the stick plane which he will eventually use urethane to print rubber tires for the plastic wheel. It's endless what comes to mind that can be printed. Don described his build set up in his home.

John Bruno – Brought in his latest homemade Rocket Glider. It's a rocket plane which uses a PVC tube with kitty litter hammered in at both ends to keep in the fuel. The fuel is a mixture of potassium nitrate and powdered sugar. He's been using this setup which he has evolved overtime. He has experimented with different grades of potassium, different combinations of mixing the chemicals, blenders etc. Some guys are using iron oxide in there mix and he warned that they should be very careful. Early this summer, he was re-using the tubes but they would fail after heating them up a few times. Now he makes a bunch and uses them only once per flight. It takes off like a rocket and he uses a transmitter/receiver to glide it down. Watch his videos YouTube (search for - John Bruno new rocket planes). The plane he showed us weighs 8 ounces total. He's attempting to break his summer height record of 300 feet.

After Show and Tell, Richard Jenkins told the club that he got a call from a trustee of one of the housing development along Zumbahl Road. He said that he got a brochure from the community advisory group stating their interests in expanding Missouri route 370 and Zumbahl Road. Richard brought copies to the meetings and passed them out. There is nothing we can do about it as they would have to purchase the land (including the property that our field is on) for the expansion. They talked about doing this expansion twelve years ago and now it's back on their radar. They've already contacted Jerry, the owner of our field. Jerry's talked about selling the land in the past. If he sells, then it's a done deal for our club.

It wouldn't happen quickly, but they would have to make environmental impact studies, etc., which could be several years out. Jerry will most likely let us know of his decision. Prez will keep us informed when the community advisory group has their next meeting.

50/50 – Frank Eck

Attendance Prizes – Frank Eck again. What's up?!

Motion to adjourn.

2017 Awards

Officer of the Year
Richard Jenkins



Member of the Year
Bill McMenamy



Crash of the Year
Greg Fritz



Don Bollinger Projects

Dynam Zukhoi 26M

3D Printer Parts
For his self- designed plane

