

the

# flite test monitor

May

The MRCS Officers

2018

**President:**

Roger Wilfong  
24380 Hampton Hill  
Novi, MI 48375  
Phone: 248.349.9079

**Vice-President:**

Ken Myers  
1911 Bradshaw Ct.  
Commerce Twp., MI 48390  
Phone: 248.669.8124

**Secretary:**

Lynn Morgan  
15790 Penn  
Livonia, MI 48150  
Phone: 734.679.8468

**Treasurer:**

Dave Stacer  
16575 Brooklane Blvd  
Northville, MI 48167  
Phone: 248.924.2324

**Safety Officer:**

Bill Brown, Jr.  
18659 Fox Hollow Ct.  
Northville, MI 48168  
Phone: 313.268.4167

**Head Flight Instructor:**

Ken Myers  
1911 Bradshaw Ct.  
Commerce Twp., MI 48390  
Phone: 248.669.8124

**Newsletter Editor:**

Ken Myers

**Next Meeting: Date: Wednesday, May 9**

**Time: 6 p.m. or earlier (Always Check Web site 4 changes!)**

**What's In This Issue:**

Presentation: Who and What is Flite Test? By Ken Myers - The April Meeting - "Wing-It Judging"  
Notice - Upcoming Mid-Am Info - More Information on the Priceless Sale and Open Air Swap Shop -  
The Upcoming First Midwest Flying Meeting - Upcoming Events

**The 7 P.M. Aviation Video**

An aviation related video was shown before the meeting this month.

**Who and What is Flite Test?**

A presentation to the Midwest RC Society  
April, 4, 2018  
By Ken Myers

Flite Test is a:

**Web site** (<https://www.flitetest.com>)

**YouTube Channel** (<https://www.youtube.com/channel/UC9zTuyWffK9ckEz1216noAw>) - with over 816,000 subscribers.  
and

**Store** (<https://store.flitetest.com/>)

**AND MUCH MORE!**

Flite Test (FT) is a mindset and a new paradigm to get people into the hobby of **BUILDING** and flying RC aircraft.

**Who is Their Target Audience?**

They try to encourage people with limited disposable incomes to join into this

hobby. They are especially targeting today's youth, parents and families.

**Mission Statement:**

[https://www.flitetest.com/about\\_us](https://www.flitetest.com/about_us)  
"Flite Test was created for people passionate about flight. Our hope is to create a show for the people that build and fly planes and helicopters as a hobby. They are the dreamers and engineers that get a thrill from the first launch of a maiden flight. The show will personify the veteran and the beginner alike giving them a chance to share common experiences with others, in turn, enhancing the RC community. The goal is to develop a creative outlet that allows us to work in our passion daily. Flite Test is designed to empower our audience. It has just enough humor, technology and information to appeal to the RC flight crowd as a whole.

**Helicopter Frequencies**

21,27,29,39, 41

**Sailplane Frequencies**

11, 12

The Monitor online at: <http://www.midwestrcsociety.org>

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We hope to entertain, educate and elevate our viewers as we move forward with quality content.”

The word ‘show’ implies video. The videography, editing and content are first

A 12 minute YouTube video about the Flite Test Simple can demonstrate the video quality and the FUN put into their videos.

<https://youtu.be/DMC1UdZNDgk>

### Who is Flite Test?

Josh Bixler - President



Josh Scott - Show Host

Alex Zvada - Design and Content Developer

Austin Furey - Business and Operations Manager

Stefan Ostergren - Community Developer

Jeremy Davis - Video Developer

Mitchell Gray - STEM Customer Support

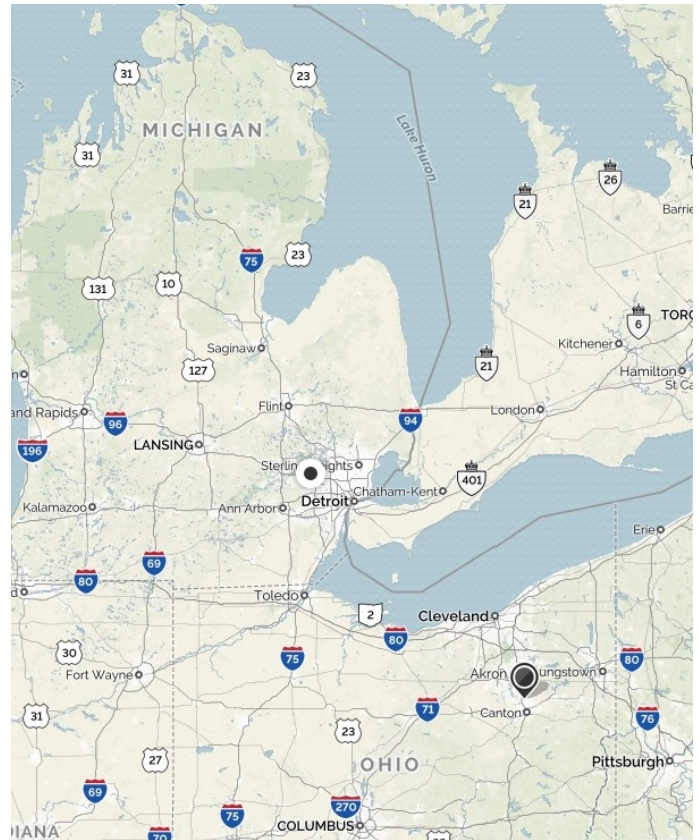
Jen Bixler - Customer Support

Chad Lewis - Content Developer

TJ Williams - Ecommerce manager

Robert Dumea - Technical Developer

### Where is Flite Test Located?



Address: 6050 Highline Avenue Northwest, North Canton, OH 44720

### What is Their Goal?

It appears that their goal is to expand the number of people entering the RC hobby of **building** and flying RC aircraft.

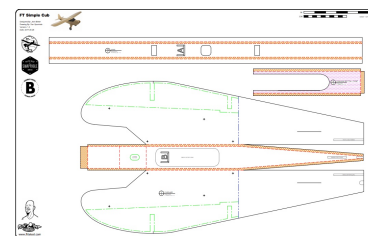
### How are they achieving this goal?

They provide build videos of all of their designs for FREE on YouTube.


Simple Cub Build Video

[https://youtu.be/Uw0\\_9Zmcewc](https://youtu.be/Uw0_9Zmcewc)

They provide FREE .pdf plans/templates of their




aircraft online at their Web site. The plans/templates are Adobe Acrobat .pdf format. They have full size



## FT Simple Cub



Designed By: Josh Bixler  
Drawing By: Dan Sponholz  
Version: 1.0  
Date: 2017.06.26



DESCRIPTION		SPECIFICATIONS	
		IMPERIAL	METRIC
LENGTH		30.5 in	775 mm
CENTER OF GRAVITY	CG	1.75 in	45 mm
WING SPAN		38 in	965 mm
WING AREA		302 in <sup>2</sup>	19.5 dm <sup>2</sup>
DRY WEIGHT		14.4 oz	408 g
ALL UP WEIGHT	AUW	17.25 oz	489 g
WING LOADING	WL	8.23 oz/ft <sup>2</sup>	25.1 g/dm <sup>2</sup>
WING CUBIC LOADING	WCL	5.7	

**RECOMMENDED SETTINGS**

	THROW	EXPO
AILERON	12°	30%
ELEVATOR	12°	30%
RUDDER	12°	30%





**WORKS WITH**


B

**POWER PACK**

Build Skill Level :



Pilot Skill Level :



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Through their store, they provide all of the items needed to complete the plane, including power systems, radio systems, tools, adhesives and other items needed to assemble the model.

Their YouTube Channel  
<https://www.youtube.com/user/flitetest>

### Includes:

Most Popular Videos

Uploads

RC Planes - Beginner Series\*

Top 5 Beginner RC Planes

Choosing a Plane

Basic Aerodynamics

R/C Control System

Launching & Landing

Flying Your Plane

Power System

Batteries & Safety

Transmitters

Crashing and Repairing

Aerobatics

Crazy Bush Plane Adventures

Crazy Builds

DJI

Acrobatic Rides

Flite Test Planes

The “Beginners” series, on YouTube, teaches how to build and fly a model plane. These instructional videos lead the viewer towards a successful first RC flight.

### How Do They Promote the RC Hobby?

They sponsor at least two fly-ins every year with hundreds of pilots and thousands of spectators.

From their Web site: <https://www.flitetest.com/events>  
 “In 2017 we held three events in California, Ohio and Florida attracting 10,000 attendees and over 2,500 pilots. We are excited to announce two more dates so far in 2018.”

### Announcing Flite Test 2018 Events

<https://youtu.be/FgIDoq6vH2M>

They stress and promote family fun and family values.

They stress and promote **FUN** with RC all of the time.

plans, vertically printed A tiled plans, and horizontally printed B tiled plans.

### Page 1 of the Simple Cub Plans

All of the newer plans also have a specifications sheet for the aircraft. The Simple Cub Specification Sheet is shown as an example.

Their designs are created using inexpensive material including Adams foam board (AKA Dollar Tree Foam Board or DTFB, bamboo meat skewers, and other repurposed household items.)

They recommend, and provide for purchase in their store, a limited number of specific power systems for their designs. This keeps making the selection of the power system simple and affordable for the person just starting in RC planes.

They provide foam board, laser cut, kits of their models, through their store. The kits allow their models to be easily constructed by the first-time builder. The kits usually include all of the items needed for the airframe. Occasionally, wheels are extra, but not always.



What is in the future for Flite Test?

### The Future of Flite Test

<https://youtu.be/2lyQj9M2MhY>

Flite Test is building its own flying park in Ohio and a lot more.

Not only did they reach their first goal, but also a second with their future “air park” and home for Flite Test.

<https://youtu.be/p7qSrj-hpGc>

**As always there is still some room for improvement.**

### Some Printing Problems With the Plans

The FREE Plans/Templates are more tedious than they need to be to tape together. Because of the way they are designed to print, they waste too much paper and require more 'trimming' than necessary.

Preview on the Mac can't be used to print their plans. Adobe Acrobat DC must be used. I could never get the tiled plans to print correctly on any of my printers using Adobe Acrobat DC from my Mac.

### Using DTFB for Construction Can, Sometimes, Cause Weight Problems

The smaller FT designs tend to weigh more than the same design made from 'conventional' materials. The extra weight causes them to have a higher wing loading, and be a bit more difficult to fly, when compared to the same design built from 'conventional' RC model materials.

As the DFTB planes get larger, they do tend to weigh about the same, and have about the same wing loading, as those built from 'conventional' materials.

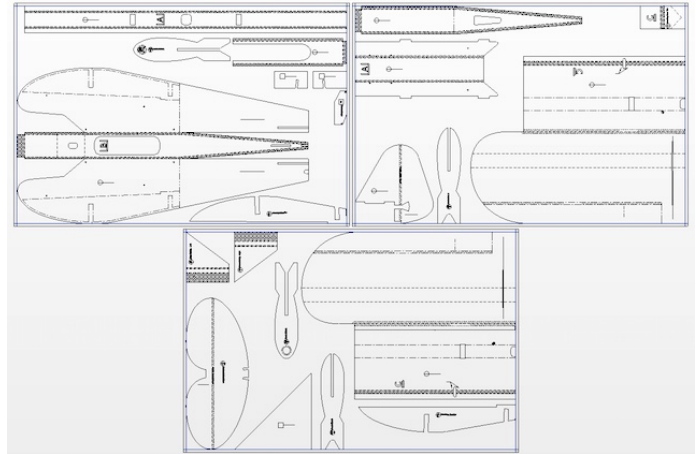
### Some of the “larger” planes don't have a ‘Parts Layout’ on the Plans

A parts layout for some of their larger plans would be a handy reference.

Some of their planes are so small that they are all cut from one sheet of DTFB.

Many of their newest designs require more than one sheet of DTFB.

Here is MY suggested parts layout for the FT Simple Cub.

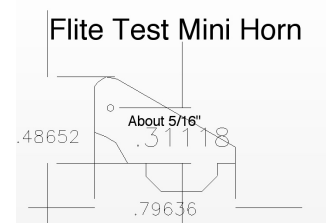
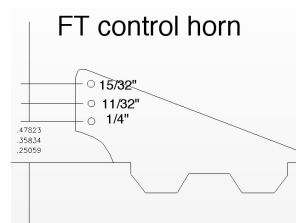


### The Problem with the FT Plywood Control Horns

1/32” and 1/16” thickness plywood control horns are provided in their kits, and as templates on their plans/templates. They are too short for trainer or beginner planes.

For beginners, the control rod should attach to the control horn in the hole furthest away from where the control horn base is attached to the moveable surface.

It may seem counterintuitive, but longer control horns, like the Great Planes Large Nylon Control Horns are better for beginners. The GP's hole center, furthest from where it attaches to the moveable surface, is about 1”.



On the Standard FT control horn, that same hole is just shy of 1/2” and on their mini horn it is about the 5/16”.

FT actually ‘went the wrong way’ when creating their mini horns.

The smaller the plane gets, the less the movement of the control horn needs to be for adequate control, without over controlling.

### A Few FT Planes Have Some Design Problems

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Some of FT's plane designs don't fly as well as they could and might disappoint a person new to the hobby.

One plane that doesn't fly very well is their Old Fogey.

<http://theampeer.org/oldfogey-videos.html>

### **The April Midwest Meeting**

Treasurer **Dave Stacer** noted that he's been paying the reoccurring bills as they arrive.

Secretary **Lynn Morgan** noted that as of the April meeting we have 48 members and 41 paying members. That is the same as last year at this time.

President **Roger Wilfong** said that he has been checking the field frequently, but that it has not dried out yet.

### **"Wing-It Judging"**

From Joe Hass via email

*In the January 2018 Midwest Monitor, I announced the "Wing-It" contest hosted by John Hoover of Flight Line Hobby. This is the announcement of the static judging on April 29. The flying judging will be at a later date. KM*  
<http://www.theampeer.org/midwest/news/mwjn18.pdf>

PLEASE SHARE THIS WITH YOUR  
MEMBERS AND AEROMODELING FRIENDS!

A few short weeks ago John Hoover, at Flightline Hobby, introduced a contest based on building an airplane, any airplane, from a single wing design. The project was called "WING-IT. The aircraft in the works have been nothing short of astounding.

Please join John, and these creative modelers, for the first phase of judging, the Static Judging. **Here are the details:**

Sunday April 29, 2018

6 PM to 9 PM

Good Shepherd Lutheran Church

1950 S. Baldwin Rd.

Lake Orion, MI 48360

No Charge to attend.

Refreshments provided.

Call John Hoover (248-814-8359) with questions.

See you there,

Joe Hass

248-321-7934

### **34th Annual Mid-America Electric Flies 2018**

AMA Sanctioned Event

**Saturday, July 14 & Sunday, July 15**

Hosted by the:

**Ann Arbor Falcons and Electric Flyers Only**

**The 7 Mile Rd. Flying Site, Salem Twp., MI, is**

Provided by the:

**Midwest R/C Society**

Contest Directors are:

**Ken Myers** phone (248) 669-8124 or

[kmyersefo@theampeer.org](mailto:kmyersefo@theampeer.org)

<http://www.theampeer.org> for updates & info

**Keith Shaw** (734) 973-6309

Flying both days at the Midwest R/C Society Flying  
Field - 7 Mile Rd., Salem Twp., MI

**Registration:** 9 A.M. both days

Flying from 10 A.M. to 4 P.M. Sat. & 10 A.M. to 3  
P.M. Sunday

**Pilot Entry Fee:** 18 and over, \$15 Sat. - \$10, Sunday,  
(ask about the family rate),

Under 18, FREE

**Parking Donation Requested from Spectators**

### **Saturday's Awards**

Best Scale

Most Beautiful

Best Ducted Fan

Best Sport Plane

**New Foam Flurry for NCM Aircraft**

CD's Choice

### **Sunday's Awards**

Best Scale

Most Beautiful

Best Mini-Electric

Best Multi-motor

**New Most Unique NCM Aircraft**

CD's Choice

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Planes Must Fly To Be Considered for Any Award

Saturday's & Sunday's Awards:

Plaques for 1st in each category

**Open Flying Possible on Friday**

**Night Flying Possible, Weather Permitting,**

**Friday & Saturday Nights**

Refreshments available at the field both days.

Potluck picnic at the field on Saturday evening.

Come and join us for two days of fun and relaxed electric flying.

Come, Look, Listen, Learn - Fly Electric - Fly the Future!

**Merchandise drawing for ALL entrants**

**New Events for this year for NCM (Not Conventional Materials) aircraft.**

Traditionally, model aircraft airframes have been mostly constructed from balsa wood, plywood, spruce, and fiberglass. For the purposes of this meet, NCM airframes are mostly constructed from not conventional materials i.e.; sheet foam, foam board, cardboard, block foam, foam insulation material, etc.

**Foam Flurry for NCM aircraft:** This is a true event. It is based upon the all up/last down event of early electric meets. Any NCM aircraft may be used (no ARF types). Power systems are limited to a maximum of 3S (no paralleling) LiPo batteries or 4S maximum, no paralleling, for A123 packs. All planes qualifying for this event will launch at the same time, and the last one to land will be declared the winner.

**Most Unique NCM Aircraft Award:** An award will be given on Sunday to an aircraft in the NCM category that is judged as 'most unique' by the Mid-Am panel of judges.

\* \* \* \* \*

**Also This Year!**

The Priceless Sale & Open Air Tailgate Swap Meet

**More Information on the Priceless Sale and Open Air Swap Shop**

From Pete Waters via email

At the **PRICELESS Sale**, a part of the 34th Annual Mid-America Electric Flies on Saturday,

July 13th and Sunday July 14th the aircraft and equipment will have no prices!

The aircraft, etc., are mostly from the estates of passed members and any redundant stuff you have are also welcomed as donations.

All of the proceeds from the sale are for the Midwest R/C Society's Friends of the Field Fund.

**SALE STARTS AT 9 AM EACH DAY**

There is also an area designated for a Tailgate Swap Shop.

**NO TABLE CHARGE!**

Bring your stuff to sell

Come and watch or fly, in the oldest continuous electric event in the country.

Watch special noontime demonstrations with flights by recognized experts and the legendary Keith Shaw.

A \$5.00 per Car Spectator Parking Donation is requested from spectators and those participating in the open air swap shop

Refreshments are available for purchase at the field.

Registered Pilots and their guests, please stay for the Steak Sandwich and Pot Luck Dinner on Saturday night at 5 PM (Donations Accepted)

For Mid-Am information: Ken Myers call 248-669-8124 or email kmyersefo@mac.com

For the **PRICELESS SALE**, contact Pete Waters 1-248-924-0223

**The Upcoming First Midwest Flying Meeting of the Year**

**Wednesday, May 9**

**Our first flying meeting of 2018 is scheduled for the 2nd Wednesday in May, not the 1st Wednesday.**

The change is due to the work that **MUST** be completed on the entrance road before we can use the flying field.

The scheduled start time is 6:00 p.m., but the earlier birds get the best parking spots.

As always check the club Web site and your email before heading out to the meeting, as the actual meeting date can change due to the weather.

To change your email address contact Ken Myers at [kmyersefo@mac.com](mailto:kmyersefo@mac.com)

The 2018 membership application is available at the club Web site,

<http://www.midwestrcsociety.org>,  
for downloading with the link on the homepage.

**Upcoming Events:**

**Sunday, April 29**, 6 p.m. to 9 p.m., Wing-It Static Judging, details in this issue

**May 9**, Wednesday, first Monthly Flying Midwest RC Society meeting, 7 Mile Rd. Flying Field 6 p.m. or earlier. The best parking spaces are garnered by those who come early!

**Please check the Midwest Web site for possible date updates or delays or date changes due to weather!**

**July 14 & 15**, 34th Annual Mid-America Electric Flies, full details in this issue.

**Important Reminder!!!**

**With Spring on the way, be absolutely sure to check the Web site for the entrance road and flying field status before heading out to the flying field!**

Midwest RC Monitor  
Editor: Ken Myers  
1911 Bradshaw Ct.  
Commerce Twp., MI 48390

**The Next Meeting:**

**Date:** Wednesday, May 9, 2018 (Tentative date)

**Time:** 6:00 p.m. or earlier for best parking

**Place:** 7 Mile Rd. Flying Field