



# The Flightline



**Volume 48, Issue 15 Newsletter of the Propstoppers RC Club AMA 1042 April 2018**



## President's Message

Dick Seiwel has been struggling lately with medical problems and has asked me to help with some of his load. So, this will be a Vice President's Message for now.

Our last meeting had three members with Show and Tell presentations. You can read about them in the Minutes and see photos below. It would be nice if we could get that many at every meeting. I think it might inspire a little more variety, both at the meetings and at the field.

It is almost time to start going out to the fields. Please use caution driving on or near the CA field. If you aren't sure about the surface, stop and walk in to make sure it is safe. We want to keep the field smooth.

Filling in for Dick is a new experience for me and I want to do a good job. If you have ideas, suggestions, yes complaints too, don't hesitate to let me know. The more you let me know, the better the job I can do.

And, please keep Dick in your thoughts,

**Chuck Kime, Vice President**

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**Agenda for April 10th Meeting At  
Gateway Church Meeting Room  
7:00 pm till 8:30**

1. Call to Order and Roll Call
2. Approval of minutes
3. Treasurer's Report
4. Old Business  
By Laws Committee Report  
Show and Tell Committee
5. New Business
6. Show and Tell
7. Adjournment

## Minutes of the Propstoppers Model Airplane Club

March 13, 2018 at the Gateway Church meeting room

Call to order took place at 7:10 PM by Vice-President Chuck Kime

Minutes of the February meeting as published were approved

Present were 17 members

### Old Business:

The bylaws committee is still working on updates. They expect to report soon.

### New Business:

Dave Bevan suggested that we do something to attract new members. A discussion ensued about the new generation. The popular flying now seems to be centered around drones especially those with first person view. Several suggested that we look in this direction to see the possibilities.

### Show and Tell:

Eric Hoffberg showed his electric powered Tower Hobbies P-51 B Razorback. He showed several modifications that he made to the ARF. He is now waiting for better weather to begin flying.

Ken Merlino showed a small .09 glow control line plane. He covered the wing with docu-lam a clear adhesive coated film. This film is heat shrinkable, paintable and strong. He used DuraPore/blenderm tape to make some hinges.

Al Tamburo showed a mini transmitter he recently acquired. It is a non-computer (analog), five channel approximately 1/2 size transmitter. It transmits on 2.4 GHz with FHSS coding and comes with a compatible receiver for \$20.00.

Adjournment took place at 8:20 PM

## Propstoppers RC Club of Delaware County, Pennsylvania. Club Officers

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### Propstoppers Website

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## 2018 Indoor Flying at the Brookhaven Gym

Night indoor flying is closed for the summer season and will resume in fall.

Indoor flying after Tuesday Breakfast 10.00am continues until reliable outdoor weather returns.

## March 13<sup>th</sup> show and Tell



Eric Hoffberg: Tower Hobbies P-51 B Razorback



Al Tamburo: showed a \$20.00 mini 2.4 GHz FHSS transmitter he recently purchased.



Ken Merlino: 09 glow control line plane covered with docu-lam clear adhesive coated film.

# Membership Renewal For 2018

Membership renewal for 2018 is now required. You can renew by mail or at the club meeting in December or January.

Don't lose your club privileges!

**Bring cash or check and your AMA card.**

**Dues are \$60.**

To renew by mail, please send a check made out to the **Propstoppers** to:

**Ray Wopatek  
1004 Green Lane  
Secane, PA. 9018**

Please enclose a **copy** of your current  
A. M. A. Membership card,

**And Please, Please enclose a  
Stamped self-addressed envelope.**

**Ray Wopatek Membership Chairman**

## Calendar of Events

### Club Meetings

Monthly Meetings

Second Tuesday of the month.

Gateway Community Church at the Christian Academy. Doors open at 7:00

#### Gateway Church Meeting Room

Tuesday Breakfast Meeting

Tom Jones Restaurant on Edgemont Avenue in Brookhaven. 9 till 10 am. Just show up.

Flying after in the summer at CA or Elwyn Field 10 am. Weather permitting.

Indoors at the Brookhaven Gym in winter

10:00-11:00 (subject to availability of the gym).

### Regular Club Flying

**At Old Christian Academy Field; Electric Only**

Monday through Friday after school till dusk

Saturday 10 am till dusk

Sunday, after Church; 12 pm till dusk

At Elwyn Field; Gas or Electric

Monday through Saturday 8 am till dusk

Sunday 12 pm till dusk

INDOOR Flying, see attached dates.

### Special Club Flying

Saturday mornings 10 am

Wednesday Helicopter evening in summer

Thursday evenings in the summer

Tuesday mornings 10 am weather permitting after breakfast.

Check our Yahoo Group for announcements;

<http://groups.yahoo.com/group/propstoppers/>

### Beginners

Beginners using due caution and respecting club rules may fly Apprentice or similar models without instructors at Christian Academy Field.

The club also provides the AMA Introductory Pilot Program for beginners without AMA insurance.

## Editor's note:

We received this great photo from Al Cheung, a former Propstopper now residing in sunny California. We are always glad when Al keeps in touch and lets us know what he is doing.

With Al living on the west coast, that almost always means slope soaring. I, for one, am green with envy at the fabulous sloping conditions he enjoys, given prevailing westerly sea breezes and miles of cliff side coastline. Here he is sending out a 48" Gulp SRT slope soaring glider at Davenport, CA. shown below.

Later in this newsletter, there is another article about our winter indoor season of rubber power free flight. A major contribution to that Article is from our friends Newt Bollanger and Eric Teder from the Silent Knights Soaring Society in Newark Delaware.

It is great fun to hear from our friends from near and far away. I know there are many people on our Yahoo Groups mail list that are not local members but enjoy receiving this newsletter. If you are one of these "friends of Propstoppers," please send me a message from time to time to let us know what you are doing and what are your interests. SEND PICTURES please! We are all enthusiastic to see what and where you are flying, your latest build project or your latest flight.

If you have a flight experience or story to tell, a review of your latest ARF, or an idea for a technical article, please feel free to send your contribution to me for publication in this newsletter. The more diverse contributors we have, the richer we all will be for it.

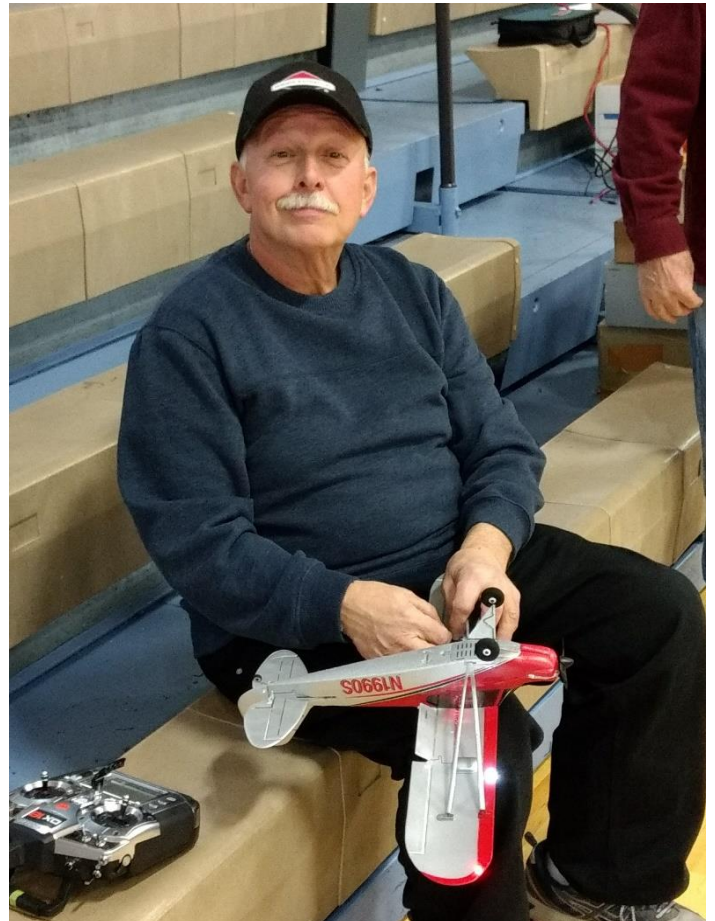
Best wishes for a great new flying season in 2018,

Larry Woodward  
Co-editor



# 2017/18 Indoor Season: Highlights and Setbacks

by Larry Woodward



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Al Basualdo and Tom Schurman at the November Indoor Session.

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This season's Indoor schedule started off with only half as many evening sessions on the schedule as last year. Lack of participation last year prompted the dropping of the Friday night sessions at Tincum Elementary School. It was hoped that the shorter schedule of five sessions would help to keep participation high. Then, we came up against one of the worst winters in years regarding storms and severe temperatures that forced two cancellations. So, with only three sessions all winter it was hard to understand why the participation in those three was so low. By the last session there were only three members present.

By contrast the Tuesday morning indoor flying following Breakfast Club was well attended and consistent. Of course there is no surprise there. Those of us in our retirement years enjoy opportunities not available to our hard working fellow Propstoppers; more on Breakfast club to follow.



“Tuesday Morning Breakfast Club”

So the question remains, what is the future of evening indoor flying for Propstoppers? Without significant participation we can no longer justify the expense of renting the gym. How can we turn this situation around next year? Clearly we need to find a way to bring back the micro flyers, helicopters and three 3D pilots that dominated these events in years past. We need to spend some time this summer looking forward to the fall schedule and coming up with changes that will bring results. [Click here for a great little challenge/inspiration video.](#)

Perhaps one important influence is the increased interest among our membership in multirotors and FPV. Would it help if we designed specific events or competitions for these flyers in the evening indoor sessions? What about similar “fun fly” type events for micro flyers, slow flyers and helicopters? I have always thought a Vaper pilon race would be fun. How about Ember combat?

Please put your heads together and discuss this while enjoying the luxury of summer flying. Send me your ideas or speak to our Indoor Coordinator, VP Chuck Kime. Maybe with a little ingenuity we can extend this summer’s fun through the whole year.

# You Definitely Missed Out!

## Renowned indoor competitors visit Propstoppers

by Larry Woodward

If you were among the three members that attended the last indoor session this season, then you know what I mean when I say that everyone else really missed out on a rare opportunity. That night we were completely surprised when two Propstopper friends from the Silent Knights Soaring Society in Delaware stopped by to give us all a little lesson in world class rubber model flying.

Newt Bollinger and Eric Teder are both national level competitors with lifetimes of experience and a room full of trophies. Last year Newt, now into his 90's, had decided to cut back on his flying activities and to thin out his collection a little. He contacted Chuck Kime and offered to donate some of his models to Propstoppers interested in giving them a good home. You may recall that fall, Chuck announced the offer and set up a lottery system for distributing the models to interested members. I was overwhelmed to receive a couple of beautiful catapult launch gliders and a superb rubber powered cabinet model designed by Newt for the Legal Eagle class of indoor competition. I cannot adequately express the reverence I developed for Newt's models once I saw them first hand and had put them to flight. They are perfection personified in workmanship, beauty and performance.



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Newt Bollinger (left) and Mick Harris at Evening Indoor

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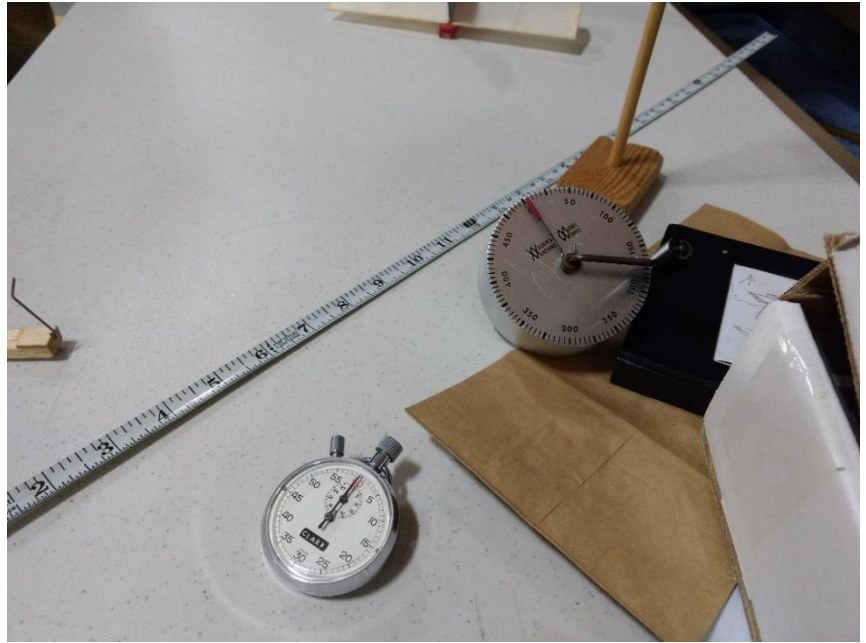
So, imagine my surprise when Newt and his compatriot Eric showed up at the evening indoor session with a car load of planes to fly with us. We witnessed some of the finest flights I have ever seen and were treated to an impromptu seminar on rubber model flight trimming and motor selection. It was also an introduction to the level of commitment and attention to detail that separates the mere modeler from a true competition flyer.

A night to remember, thanks Newt and Eric.





Newt Bollinger readies his Patriot, designed for the Embryo competition class.



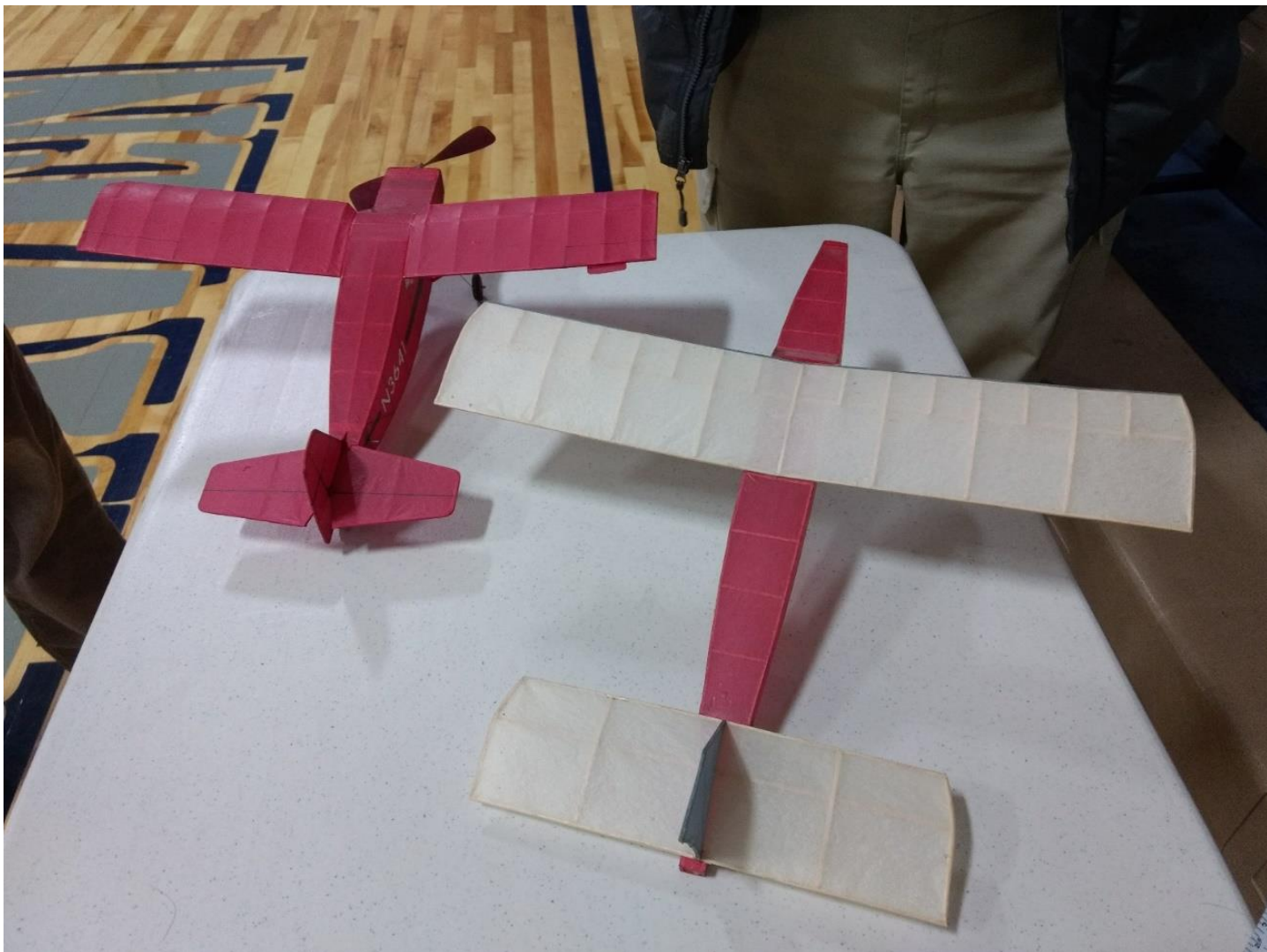
Competition flying is nothing if not precisely organized. Newt and Eric brought along an impressive array of tools, and copious flight notes, to allow for predictable performance.



Eric's RTF from [lkara](#) called the Bulldog; "It's supposed to be a Penny Plane but, like all RTFs, it's really too heavy."



Eric Teder and Mick Harris ready for flight.



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The red, white and blue model is Newt's Patriot design for the Embryo Class. The all red model is a model of a home-built full size Nesmith Cougar that he designed to meet the rules for both the Bostonian and Embryo class.

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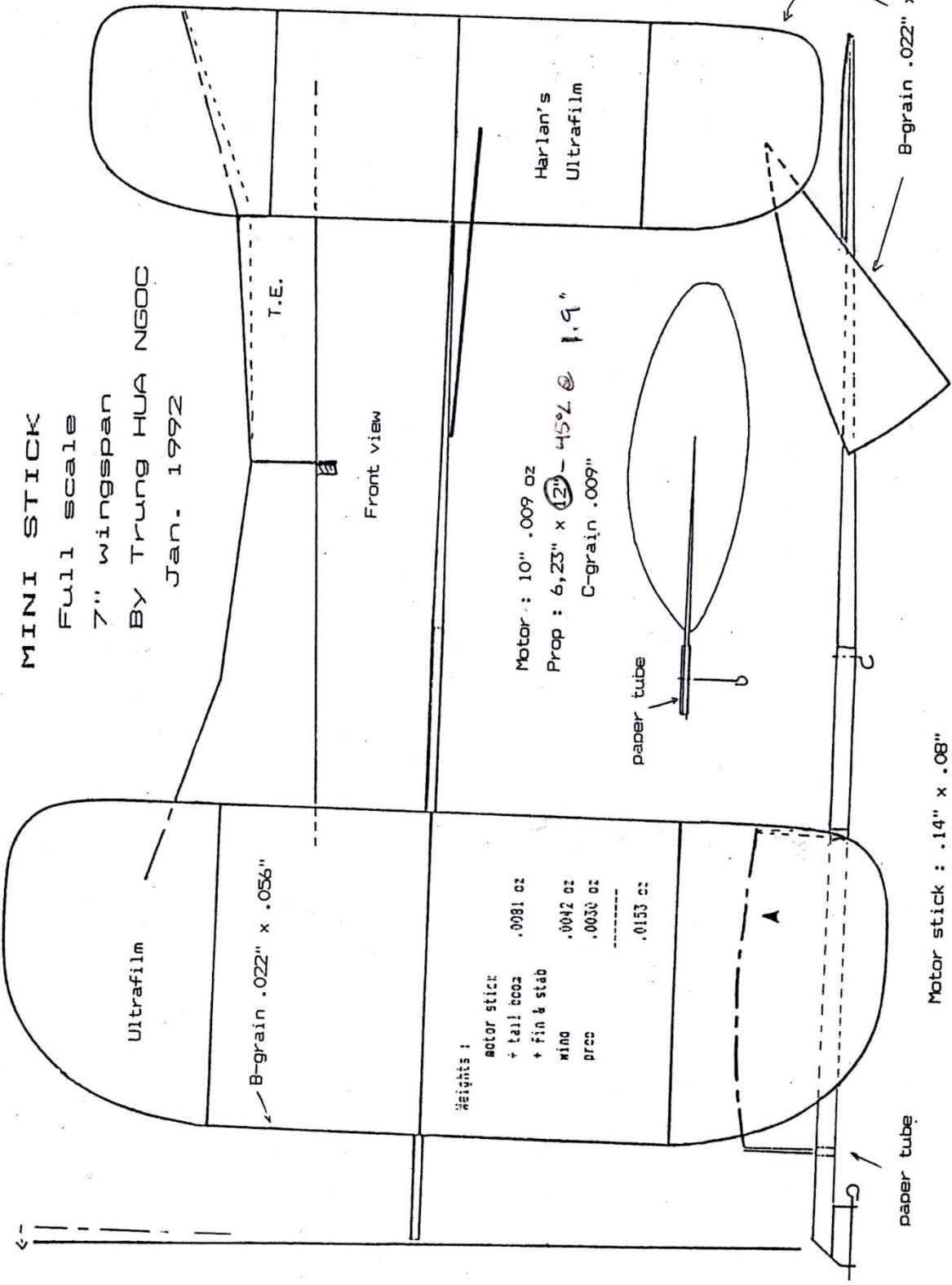
At right Eric Teder holds his micro flyer. "The mini stick is just called the Trung Hua, the name of its designer. I've attached a scan of the plans (see next page). Note the span shown on the plan is too short so it should really be slightly enlarged. On the other hand, I built seven of these to this plan and they seem to fly just fine. I made my rudder round. I formed it on a 35mm film can and they were actually easier to make that way. I fly the ministicks on a 9" loop of .020" rubber with about 1200 winds. Although 1200 is probably too many for most gyms.

So take care, Newt and I hope to fly again with you guys soon."  
[Click here to link to a video recap of the 2017/18 indoor free flight season](#)



1.6"

**MINI STICK**  
 Full scale  
 7" wingspan  
 By Trung HUA NGOC  
 Jan. 1992



Weights :

motor stick	
+ tail boom	.0081 oz
+ fin & stab	.0042 oz
wing	.0030 oz
prop	-----
	.0133 oz

# Hedy Lamarr

## Inventor of Spread Spectrum/Frequency Hopping Technology

Adapted from [www.women-inventors.com](http://www.women-inventors.com)



Although better known for her Silver Screen exploits, Austrian actress Hedy Lamarr (born Hedwig Eva Maria Kiesler) also became a pioneer in the field of wireless communications following her emigration to the United States. The international beauty icon, "the Angelina Jolie of her day," along with co-inventor, and composer, George Anthiel, conceived a "Secret Communications System" to help combat the Nazis in World War II. By manipulating radio frequencies at irregular intervals between transmission and reception, the invention formed an unbreakable code to prevent radio frequency communications from being intercepted or jammed by enemy personnel.

Lamarr and Anthiel received a patent in 1941, but the enormous significance of their invention was not realized until decades later. It was first implemented on naval ships during the Cuban Missile Crisis and subsequently emerged in numerous military applications. But most importantly, the "spread spectrum" technology that Lamarr helped to invent would galvanize the digital communications boom, forming the technical backbone that makes cellular phones, Blue Tooth, WIFI, and other wireless operations possible.

As is the case with many of the famous women inventors, Lamarr received very little recognition of her innovative talent at the time and, ironically, her patent was "shelved" by the military until long after the war was over. Eventually during the Cold War it was resurrected and put into practice for military communications. By then the original patent had expired and she and Anthiel never received any compensation for their invention, estimated today to be worth hundreds of billions of dollars.

But, eventually she has been showered with praise for her groundbreaking invention. In 1997, she and George Anthiel were honored with the Electronic Frontier Foundation (EFF) Pioneer Award. And later in the same year, Lamarr became the first female recipient of the BULBIE™ Gnass Spirit of Achievement Award, a prestigious lifetime accomplishment prize for inventors that is dubbed "The Oscar™ of Inventing."

But, it might have been too late for Lamarr to appreciate the standing ovation she received over 50 years later. At the very end of her life, when she's very old, she starts to get this incredible recognition from the Navy, from the Army, from the Air Force. Unfortunately, at that point she'd become a recluse. She wasn't leaving her house. She sent a recording of herself thanking them. So she wasn't able to stand up and receive this much delayed applause."



Hedy Lamarr and Clark Gable in a publicity photo for the film "Comrade X." – [Wikimedia Commons](#)

During her heyday, Lamarr was considered the most beautiful woman in the world. Her face was the inspiration for Disney's Snow White and for Catwoman.

She was a famous Hollywood star who would finish performing on set with Clark Gable, Jimmy Stewart, and Spencer Tracy, and then go back to her trailer and work on her inventions. Like many famous stars of her day, she had a relationship with aerospace pioneer Howard Hughes. Apparently, it was more cerebral than romantic — she actually helped him conceive streamlining concepts for his aircraft design.

"I thought the aeroplanes were too slow. I decided that's not right. They shouldn't be square, the wings. So I

bought a book of fish, and I bought a book of birds, and then used the fastest bird, connected it with the fastest fish. And I drew it together [sweptback wings] and showed it to Howard Hughes and then he said, 'You're a genius.'"

Check out "Bombshell: The Hedy Lamarr story" now playing in local theatres. This very entertaining documentary proves she was much more than just another pretty face, Lamarr shattered stereotypes and earned a place among the 20th century's most important women inventors. She truly was a visionary whose technological acumen was far ahead of its time.

Next time you pick up your 2.4ghz transmitter. Take a moment to thank Hedy Lamarr.



# You're Invited!

All Propstoppers are invited to attend and fly (electric only)  
at the Silent Knights Soaring Society spring Open House  
Newark Delaware, May 5, 2018.

## Silent Knights Soaring Society

Delaware model airplane club

presents an

## OPEN HOUSE

Saturday, May 5<sup>th</sup> at Noon

Rain date Sunday, May 6<sup>th</sup>

Meet the members, see the field and check out the  
flying action. Lunch provided for a small donation.

Gliders, acrobatics, quad copters

Computer simulator and buddy box flying

A great place to bring the family

[Entrance to the field at the corner of Papermill Rd  
and Smith Mill Rd.](#)

Find us at [SKSS.org](http://SKSS.org)

or on Facebook at Silent Knights Soaring Society

