



August 2020 Newsletter
Knoxville TN AMA #594
Editor..Mike Catlin
www.kcrctn.com
Webmaster..Jeff Prosis

2020 Elected Officers
President.....Frank Allemand
Vice president.....John Basalone
Secretary.....Richard Love
TreasurerMike Catlin

Executive Board
Jeff Prosis
Allan Valeo
Ed Dumas
Safety Officer
Jim Maines

PRESIDENTS CORNER



The July meeting was a little long, a little hot, and a little humid, but great in terms of getting all the feedback that I hoped for regarding member feelings how to approach issues concerning the future of the club.

Several financial changes were agreed to in opinion votes that would address the club's cash revenue shortfall. Several recruiting and other proposals were also agreed to in opinion votes that further help the financial viability of the club plus enhance club visibility and public relations. Please note that all opinion votes are not binding like a formal vote; there will be many opportunities for members to assess how these programs develop and to voice their suggestions. However, we can now launch all of the appropriate actions to get the club to where the members want it to be.

- A dues increase was approved for 2021 from \$72/year to \$84/year. It was mentioned that our current dues level is somewhat low compared to other clubs, and the increase equates to only \$1 per month. This was first approved in an opinion vote, and then again in a formal vote. However, given that only about 25 members were in attendance, the President may at his option initiate another method of voting that can reach more members. My way of doing that was to agree with two points made by Bob Helsel: the dues increase and other revenue options should again be a topic at the August meeting, and members should be notified by email in advance that it will be on the agenda. This is similar to how the dues increase from \$60 to 72 was handled in 2014.
- It was decided in an opinion vote that officers and emeritus members now receiving a free pass would begin paying dues

next year. An exception was made for emeritus members who are no longer flying. It was much easier to support free memberships when the club had over 100 paying members. Since provisions regarding emeritus and officer free dues are reflected in the Bylaws, changes to them require that the Bylaws be amended. Our plan is to include this along with other proposed changes in the Bylaws that would be presented to the membership later this year, perhaps at the October meeting.

- The club voted to continue a “moderate” recruiting program like we now have versus doing more aggressive recruiting. Our recruiter (which is me) contacts all prospective recruits, tries to figure out how to best help them, and meets them at the field to get them started. This has helped to get 7 new members at the June meeting, and 3 at the July meeting. Since the financial viability of the club is largely being addressed by the dues increase and the elimination of “free memberships,” we are probably smart to limit the number of recruits to a lower number that can better integrate into our field operations and not take away too much member flying time.
- We are well prepared for training our new recruits with four instructors and four club trainers. For more details, see the July meeting minutes.
- We discussed Barton Smith’s proposal for a youth flight school summer training camp to be hosted by KCRC in conjunction with the STEM program. The goal would be to begin the program in the summer of 2021. Benefits to KCRC include income, excellent publicity, and new member possibilities. The proposal received overwhelming support. Now the hard work begins for a group of select volunteers (Barton Smith, Phil Spelt, and Ed Dumas) to hammer out the details of how we would conduct the program, and then to

come back to the club membership for a formal “go” vote when appropriate. For more details, see the two short articles in this newsletter. I believe that the successful implementation of this project will promote the club so much in Knox County that our position to maintain the field can be protected. And second, it is probably the most complex and detailed project I have ever seen tackled at our club.

- The membership decided to support the Executive Committee to invest some funds for promoting the drone club by hosting a drone event in August or September. Details are still being worked out.
- We decided on a KCRC recruiting slogan that will be used on the club trainer planes, club recruiting literature, the web site, and perhaps in a sign at the field. The slogan is KCRC: FLYING FUN AND FRIENDSHIP.

Future club field activities were discussed and approved as follows:

- The Cub Scouts will have a rocket launch on Sunday, July 26 beginning at 3pm. The field will be closed to regular flying until they are finished.
- A Cub Fest event will be held on Saturday, August 15. Details will be forthcoming.
- An EDF Jet Fly event will be held on Saturday, September 12. Details also will be forthcoming.
- Both the Cub Fest and the EDF Jet Fly are not sanctioned AMA events, so attendance is limited to only members of KCRC.

- There will be no food or drink served at either the Cub Fest or the EDF Jet Fly. Attendees will have to bring their own food and drink.

I'll look forward to seeing you at our next meeting on August 11 at the field. Stay safe.

Frank

KCRC SPECIAL MEETING MINUTES:
JULY 14, 2020

This meeting was held at the field with CDC recommended social distancing.

Attendees:

Officers:

PresidentFrank Allemand
Secretary.....Richard Love
Treasurer..... Mike Catlin

Executive Committee Members:

Jeff Prosis
Allan Valeo
Ed Dumas

Safety Officer:

Jim Maines

Attendees numbered 24 in total.

President Allemand opened the meeting at 7:00 PM with a brief summary of the agenda items:

1. Future of the club
2. Increase visibility of the club and value to the county and parks department
3. Unfinished items at the last meeting due to lack of time:
Planned events, model of the month, and crash of the month

Purpose for the first two items was to get the opinions of the membership through discussion, and to get informal votes and possibly formal votes of approval to proceed accordingly.

FUTURE OF THE CLUB

Financing the club was the first order of business under “future of the club” discussion.

Options included a) do nothing for now as we have money in the bank, b) increase dues to \$84 from the current \$72, c) eliminate the free pass for officers and emeritus members.

Gary Swigert told us he was a member at a club near Emory-Riddle about 4 years ago and they had nothing: no shaded flight line, no pavilion, no water and the dues there were \$72.

Another member pointed out that the proposed increase was only a dollar a month and is insignificant to the cost of participating in this hobby.

President Allemand stated that we need \$6,500 to cover net expenses. Divided by 67 current paying members means we need \$95 per member (\$25 more per person). The President suggested raising dues to \$84 (half of \$25) for now and to take effect beginning the first of next year. An opinion vote was taken and passed 12 to 2.

A formal vote was then taken with the same result and the dues increase was passed.

However, given that only about 25 members were in attendance, the President decided to go with two suggestions made by Bob Helsel to get a broader vote: the dues increase and other revenue options should also be a topic at the upcoming August meeting, and members should be notified in advance by email that it will be on the agenda. Another vote may or may not be taken based on what members want to do. The two meeting approach and the advance notice of the agenda were also used for the dues increase from \$60 to \$72 in 2014.

A discussion also took place whether or not officers and emeritus members should continue to receive a free membership in the future. An opinion vote was taken and it was decided that officers and emeritus members would begin paying dues in 2021. However, non-flying emeritus members would continue without paying dues and continue to receive the newsletter. Because this change requires an amendment to the Bylaws, a formal vote will be taken when other revisions to the Bylaws are also presented later in the year.

John Baselone does our mowing and other field maintenance activities estimated to be worth \$4000 per year on a completely free volunteer basis.

To address the estimated \$4000 of lawn mowing we currently get for free, Randy Philipps suggested we buy a mower and rely on volunteers to use it and perform other field maintenance activities (eg. weed eating). Randy indicated that we could buy a mower for about \$3000 and put a storage facility at the field to keep it in (perhaps a container for about \$2000). President Allemand commented that other clubs have tried it and have failed citing lack of volunteers, high incidence of mower repair, having to trailer it in for repair, storage issue, etc. Frank suggested if there is any interest

in pursuing, is anyone willing to head up a study. Randy agreed to head up the further investigation of his proposal and report back to the Club at the next meeting what he would propose.

The next topic under future of the club was membership, specifically **recruiting**. Frank described 3 levels of recruiting:

- 1) Limited (low to no effort) – based mainly on the website and “drivebys”
- 2) Moderate – Our recruiter (which is Frank) is proactive to meet the person of interest by setting an appointment for their first trip to the field; not just take a chance they may show up at the field the same time as anyone else is there. Also, to try to be responsive to what help a prospective member may need. This method produced 7 new members in June and 2 so far this month.
- 3) Aggressive – involves a higher level of activity and some expense for flyers, incentives to hobby stores such as commission for referred new members or discounted membership for the referring party. It was stated that the car track flyers at the hobby shop have produced nothing.

The opinion votes were as follows:

ACTIVITY LEVEL	VOTES
Limited	0
Moderate	15
Aggressive	2

Once in, we have the resources to train new recruits.

We have 4 instructors: Frank Allemand, Phil Cope, Eric Kneiper, and Dave Doucey.

The club purchased an Apprentice trainer plane that Frank is using, Phil has several of his own planes, Eric has a “U Can Do” plane and an engine both donated by Jim Maines that have been fixed up, and Dave has a Sportsman donated by Michael Caitlin.

The Club's trainers may not be used for a student's solo flight; students must provide their own plane.

Ample training time will be made available at the field for students.

INCREASED VISIBILITY OF CLUB

When asked if the club members felt like we should do something proactively to increase our visibility and enhance our position with the county and parks department, most raised their hands. There were not any "no" votes.

1) Flight School Summer Camp

Barton Smith sent a proposal for a Flight School Summer Camp to be hosted by KCRC in association with the STEM program.

Benefits to KCRC include income, excellent publicity, and new member possibilities.

The opinion vote to pursue this passed by 17 to 0.

Phil Spelt has led a STEM course and will help us arrange it.

2) Drone Course: To increase use of the course, Kevin Turner has suggested that we have a drone club event and a person named Josh Moon should also be involved.

If we want to pursue this, some expenses will certainly be required. In the discussions with Kevin and Josh, we would need to have some feel for the amount we would be willing to spend. The idea to authorize the Executive committee the freedom to spend a small amount of funds was approved by an opinion vote of 10 for and 3 against.

3) Rocket launch event: Scouts want to do this Sunday July 26 at 3:00 PM
No objection from the members.

4) KCRC Recruiting Slogan

A list of 17 slogans was presented to the meeting attendees. Five of the slogans received votes:

KCRC: Flying Fun and Friendship.....4 votes

KCRC: Flying, Fun and Friendships..... 3 votes

KCRC: A Great Place to Fly.....3 votes

KCRC: Fun in Our Volunteer Skies.....1 vote

KCRC: Join Us and Fly.....1 vote

The slogan with 4 votes is the winner and will be used on recruiting materials, on the side of club planes, and possibly on a sign at the field.

PLANNED CLUB EVENTS

Two specific events were discussed: a Cubfest and an EDF Jet Event.

The vote for holding these events was 11 for and no one against.

Ed Dumas will coordinate Cubfest now scheduled for August 15.

The EDF jet event was scheduled for September 12. No coordinator was named.

These events will not be AMA sanctioned, only KCRC members may attend and fly.

Also, it was unanimously decided not to provide food and drinks at these events. Attendees will have to bring their own.

COVID 19 STATEMENT

It is the policy of KCRC that we will follow CDC recommendations for safety at the flying field.

It has been noticed that we have become lax in following the rules. Many are not minding 6' social distancing, not wearing masks where crowded, engaging in fist and elbow bumping, and touching someone.

Allan Valeo urged us not to become complacent especially since Covid appears to be on the rise again.

Model of the Month

Gary Swigert's F4 Phantom. Although not a new plane, Gary told us about how the plane went into the lake and was resurrected by a passing boater and returned to him to fly once again.

Crash of the Month

Richard Love's F9F Panther that he banked too hard in a turn initiating a downward spiral exacerbated by holding up elevator all the way to the ground. The plane was not destroyed, repairs are almost complete.

The meeting was adjourned at 8:53 PM

SUBJ: FLIGHT TRAINING YOUTH SUMMER CAMP: THE WORK BEGINS

TO: Barton Smith, Phil Spelt, Ed Dumas

CC: Executive Committee

The discussion at the July meeting was very successful, including an overwhelming vote to proceed with doing the proposed camp.

Barton, thanks very much for providing this idea to me and for your work in developing the proposal.

Now the hard work begins for a small select committee to hammer out the details of how to actually conduct the program (hour by hour), and then to come back to the club membership for a final "go" vote when appropriate.

As head of the committee, I would like Barton to provide a brief report at every meeting as to how we are doing. Our goal is to begin the program in the summer of 2021, which means our detailed plan, advertising, etc must be ready to go by year-end. Apparently beginning in January, 2021 parents start to evaluate and make their summer camp decisions.

Phil Spelt indicated he would like to be on the Committee. Phil has a lot of experience in similar programs with kids, and a keen practical sense of how to organize things like this. Phil mentioned that the best order for students to do their learning is to start with a ground school, followed by simulator training, and lastly the actual flight training.

Ed Dumas also agreed to be on the Committee and would like to teach the ground school portion of the program. Ed is great at communicating, and would be extremely good at teaching this. Additionally, Ed has flight instructor training plus has been teaching ground school for the Young Eagles program, an organization where youngsters learn about full scale planes and get some flight time. So Ed too has some good experience teaching kids. Ed also indicated much of the existing ground school material he has can be used for our program as well.

In my opinion, this project has two important distinctions from anything the club has ever done. First, I believe that if successfully implemented (which we will of course do), it can promote the club so much in Knox County that our position to maintain the field should be fully protected, And second, it is probably the most complex and detailed project I have ever seen tackled at KCRC.

Hopefully the team's first report at the August meeting will include all of the Committee's initial thoughts, a better idea of the educational materials available from the AMA to help us, and answers to many of the basic questions we have been asking, for example, what is the insurance situation, what do we do in inclement weather, etc. I would also like to allow KCRC members in attendance to ask any questions they have.

Thanks very much to all three of you for agreeing to take this on.

Frank

**A Flight School Summer Camp, hosted by KCRC
"S.T.E.M. Education through Aviation"
By Barton Smith**

Summary – A Flight School summer camp for the purpose of teaching children aspects of the science, technology, and applications of flight. Camp consists of age-appropriate activities that communicate physics, weather, and engineering concepts that children can apply to model aircraft as well as other STEM endeavors.

Summer camps for children are usually five days (one week) lasting three hours per day. The times are typically 9 a.m.-12 p.m. or 1 p.m.-4 p.m. Snack and water breaks are usually built in to the schedule. An all-day camp would be 9 a.m.-4 p.m. and would include lunch.

Other summer day camps near the KCRC field are those sponsored by the Oak Ridge Children's Museum and Webb School. The Children's Museum charges \$130 for half-day camps (\$115 for museum members) and in 2020 they have limited the number of participants to eight children per camp due to COVID-19. The number of participants allowed is usually higher and the actual number depends on the particular camp theme.

The AMA has resources ("Flight School") for clubs that want to provide aviation education for children of varying ages. For example, there is an Educator Toolkit and ideas for camp activities. We would not have to start from scratch. There would be considerable planning and logistics involved in preparing and executing a summer camp, including the need for many club members to volunteer their time for an entire week. Consideration for safety of camp participants would be paramount, though the club already has basic safety protocols and controls in place that would serve as the basis for the camp program.

Some possible camp activities are:

- Ground school for learning how to fly
- Practice on computer flight simulators
- Stick time with trainers and club trainer planes
- Tabletop engine demonstrations
- Watching flying demonstrations by skilled pilots
- Learning how jet engines work
- Building simple, working airplane models for campers to fly and take home

Questions for discussion

- Alternate locations in case of inclement weather such as a school or hobby store?
- Will kids need transportation to and from KCRC field?
- How would we publicize event to ensure optimum participation?
- Do we have capability for online registration for the camp?
- What is our target age group(s) for camp? What age group(s) would club members feel most comfortable working with?
- Morning camp would be best for summer days, as the afternoons might be too hot, but this time would impact club members who fly in the mornings

STEM is an educational program developed to prepare primary and secondary students for college and graduate study in the fields of science, technology, engineering, and mathematics (STEM). In addition to subject-specific learning, STEM aims to foster inquiring minds, logical reasoning, and collaboration skills.

Educators break STEM down into seven standards of practice (or skill sets) for educating science, technology, engineering, and mathematics students:

- Learn and apply content

- Integrate content
- Interpret and communicate information
- Engage in inquiry
- Engage in logical reasoning
- Collaborate as a team
- Apply technology appropriately

FASTEST PLANE AT KCRC By Frank Allemand

There were several speed runs during the month, but nobody has yet gone faster than 113mph. It seems the faster planes have been afraid of the heat.

Anyway the 113mph contest record still stands for now. Fast planes: where are you?

FASTEST PLANE AT KCRC

Habu 32 EDF Jet

June 14, 2020

113 mph

Pilot: Frank Allemand

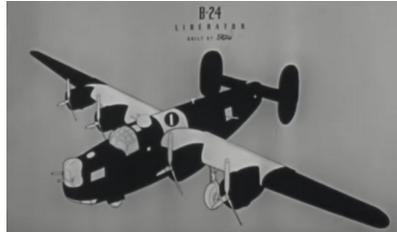
Owner: Frank Allemand

Videos (for when it's 100°F)

I'm sure all of you have experienced YouTube videos but I thought I would share some of my favorites.

BUILDING THE B-24 BOMBER DURING WWII " STORY OF WILLOW RUN"

This video takes one through the building of the Willow Run B-24 production plant and the innovative methods used to turn out a complete B-24 in under an hour. What I find fascinating is the scale of the operation and how quickly it came into existence. To view the video simply click on the link.



<https://www.youtube.com/watch?v=p2zunkteYbGQ&t=28s>

1942 CURTISS WRIGHT AIRCRAFT ENGINE PROMOTIONAL FILM "WRIGHT BUILDS FOR SUPREMACY"

Incredible story of how radial engines for WWII bombers and fighters were produced. Similar to the B-24 video there are many steps outlined. I was amazed at the process for casting the cylinder with all the fins. The scale of this production was almost unbelievable when one considers the a 4 engine bomber had at least 36 cylinders.



<https://www.youtube.com/watch?v=sBfFpcdyd5Q>

Messerschmitt Bf-108 - Restoration Start - 3/2018 - Part 1 of 2

A current video showing the start of a restoration of a Bf-108. The Bf-108 being a civilian model of the Bf-109 seating 4. The Bf-108 provided a prototype experience for producing the Bf-109 cheaply, quickly, and in great numbers. This video is part 1 of 2 but several other parts have been released showing the restoration. If you subscribe to YouTube you can add this to your subscriptions and receive updates as they become available.



<https://www.youtube.com/watch?v=nYwoBGIMukA>

Flite Test | Waterproofing Electronics

In this video the crew at Flite Test show how a coating of "Corrosion X" can allow your aircraft electronics can survive a watery submersion. Something several of our members have experienced lately.



<https://www.youtube.com/watch?v=s4z8QMgTEA4>

National Geographic - Hitlers Stealth Fighter

This is the 40 minute show that was produced to do a full size test of a Horton 229 on Northrop Grumman's Tejon RCS (Radar Cross Section) test range. What makes this video special to me is that I worked with the shop techs that produced this model and with the RCS engineer which led the team. The video also shows how RCS testing is conducted. Although I was not directly involved with designing this model, the methods and materials are not unfamiliar to me.



<https://www.youtube.com/watch?v=hBgjKRSY3Ag&t=29s>

Bf 109 Gear: How bad was it?

A little insight into the “famed” or “framed” landing gear on the Bf-109. This producer of video’s has many aircraft “walk around” videos of German WWII aircraft as well as U.S. and Russian fighters. A must subscribe.



<https://www.youtube.com/watch?v=AMYpcegtv50>

Microaces Nieuport 17 Part 1 Building the Fuselage

[Cliff Harvey](#) offers a step by step series of build videos of different model aircraft. A bit slow because he does go through every step but by clicking on the timeline at the lower portion of the video one can skip ahead. My technique is to select the download button, save it to my computer, and play it with VLC. VLC Media Player is free multimedia solutions for all OS’s. VLC Official support Windows, Linux, Mac, Android, iOS, ChromeOS, and much more. Whatever your OS, VLC is the best media player for your device. (<https://vlc.media/>)



<https://www.youtube.com/watch?v=QH7i34eucHw>

The Lavoie Method of Building Stick Fuselages

These videos shows one how to build stick fuselages with simple tools and techniques used to accurately cut uprights and diagonal braces the to correct length and angle.



<https://www.youtube.com/watch?v=wt5VeA7sACc&t=43s> Part 1
<https://www.youtube.com/watch?v=Ie4b5IC3N7w&t=26s> Part 2
<https://www.youtube.com/watch?v=PXUzMAI0Ef4&t=146s> Part 3

If you are not a subscriber to YouTube you will be limited to direct links and doing searches but if you become a subscriber you can receive daily updates to those other members you have subscribed to.

So, if Flite Test releases a new video it will be presented your page. Right now I subscribe to over 423 and each day I have my pick of 20 to 30 newly released videos.

Membership

Current paid 2020 membership is 68 and I have a lot of member packets left to give out. Each packet contains a welcome letter, an information sheet to allow members to update their information, a return address label to send back corrected information sheets and the all important 2020 club sticker to be placed on the upper left side of your transmitter. If you need more than one sticker simply ask. Since we are now getting Drone members, be on the lookout for Drone stickers which have a drone image on a blue background. After February there is a \$5 penalty (\$77). I am accepting mail in renewals. Send checks to (no cash please)

KCRC c/o Michael Catlin
6812 Adrian Rd
Knoxville, TN 37918

The gate combination will be emailed to current members only and only current members will receive email notices and newsletters. Newsletters will still be posted on the clubs website <http://www.kcrctn.com>. However, this may change in the future and only newsletters from previous years will be available to non-members.

Remember, only those with current AMA membership will be allowed to fly at the field and do not tell anyone the gate combination without checking for membership. If there is a question about membership there is a membership roster in the lock

box with the applications. Non-members do not receive email notifications about club events or newsletters.

Pictures from the field



The President comes to KCRC

I wonder if they watched the waterproofing electronics video?

(David Cooper and John Seus)



Upcoming Events (Notice events may be canceled)

Rocket Launch July 26 3:00PM KCRC Field

Cubfest August 15 KCRC Field

House Mountain Aug 5–9. Huckfest

EDF jet event September 12 KCRC Field

**Tennessee Eagles Charity Event Saturday September 19
Tennessee Eagles R/C Club, Harriman TN**

House Mountain Sept 25 -27. Warbirds

**Don't forget to visit KCRC Knox County Radio
Control on Facebook!**



233 members strong.

Daily 3 day weather predictions

Daily aviation photos

Event advertisement from other area clubs

Items for sale.

Articles, information and aviation related videos.

<https://www.facebook.com/groups/817242841697766/>