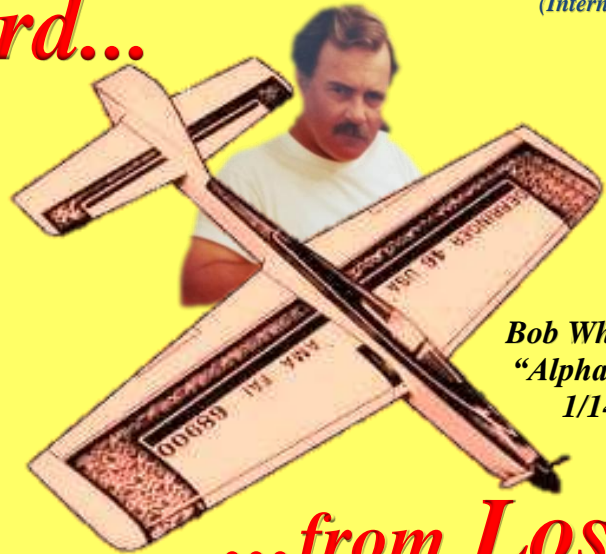


“Spring”-ing Forward...

(Internet Photos)



Al Rabe 1/5/36 – 1/12/21



Bob Whitely –
“Alpha Dog”
1/14/21

...from **Loss**



Al Rabe VSC 14

Editor's Photo

Our next business meeting is scheduled for Tuesday, March 16, at 7:00 PM, but squeezing ourselves into any corporate space, open or not, is ill-advised during the continued pandemic. Weather for that night is unpredictable, but we could conceivably meet at the field. Let's keep in touch, and if the weather is flyable, perhaps we can meet then. As usual, e-mails and phones will have to suffice. - SK



Al and His Mustang “Snaggletooth”

3114 Edgehill Rd.
Cleveland Hts., OH 44118



UP
HOT
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CONTROL LINES

NORTH COAST CONTROL LINERS



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March 1, 2021

Editor's Notes:



It's hard to decide where to start this month in what might have been a really brief column. Despite our first-page heading, I'll do so on a more personal note. First and most important is that we have just heard of the passing over two weeks ago of Norm Skuderin's wife of 62 years, Phyllis. I know I can speak for the entire club in extending its warmest regards and best wishes to Norm in this time of loss. If you would like to leave a condolence message, you can use this link, which should work after I have composed this newsletter: <https://www.zaborfh.com/2021/02/skuderin-phyllis-j/>. If not, look up the Zabor funeral home, which offers a place to leave your thoughts. I know we've said it many times, but many of us are losing more family and long-time friends, in and out of our shared hobby.

I'll include here a couple people you don't know. Friday, I lost one of my dearest friends, who I've known for over 60 years, to the COVID-19 pandemic. Her husband is still hospitalized after weeks. Peggy was a fine musician, with whom I enjoyed jokes and her pranks in high school, played concerts, had great times at IU, and who introduced me to both the Lakeside and Birmingham Symphonies. She was a gracious, loving person who brought joy to all. If anyone is skeptical of how many people this thing affects and doesn't understand that one in every 660 Americans has died of it, then consider too that just one of the many eulogies for my friend on Facebook had over 330 responses of people whose lives she touched, at last count yesterday. We also lost one of the musical "superstars" from our nationally known high school a month earlier. Age and - whatever - wait for no one.

The *good* news from around here is that Gusti and I have each had both of our (Pfizer) vaccinations, and our experiences so far have been wonderful. The people at Cleveland Clinic's Hillcrest facility (Gusti) and Metro Health's Bedford clinic (me) were the most friendly, kindly, and helpful imaginable. Everyone greeted us smiling and did whatever they could to make us at ease and comfortable. Neither of us had any side effects. That doesn't mean that we'll let our guard down and endanger others, but we both feel much relieved and hopeful that the now *three* vaccines will defeat this thing and allow our world to get back to some kind of "normal." COVID extracts a price though, and if we withhold help or refuse to take precautions, the price *will* be higher later. I hope those of you who are eligible have been or will soon be able to be scheduled and protected. Walgreens called the house last week to offer me a shot. So those of you who haven't managed or have hesitated to schedule your shots, keep trying. You'll be successful!

Now, I should give the two guys in the headlines their due, for each has contributed more than a little to our hobby. Their loss within a couple days is significant. Al Rabe too has died of the COVID-19 virus. With Jim Walker, George Aldrich, Bill Netzeband, and few others, he was a uniquely innovative figure in CL stunt history. Using a car-top "wind tunnel," he acquired the first modelers' data at our own Reynolds Numbers to develop wing sections that allowed scale-like appearances, while contoured for high lift and smoother transition over flap hinge lines. They were among the earliest of the thick sections that have become the norm. He perfected the Rabe rudder to counteract gyroscopic precession, developed new techniques for creating molded-skin fuselages, developed shock-absorbing, sprung landing gear, and of course created the most scale-like models ever to contest CL stunt. In later life, he contributed lavishly illustrated "how-to" online construction articles and educational CD's. I met him at VSC in Tucson in 2002 and enjoyed our exchanges.

Later he sent me, unannounced, plans for his Bearcat, as shown in the pictures. I then learned that he had ferried Mustangs to Florida from Elkhart's Dunlap airport at the time I was flying my free-flights from there as a kid or college student. Sometimes irascible, Al was not one to do anything half-way. He was an airline captain and Nats winner. Even though he had not competed for many years, his VSC demo flights of the then-new "Bearcat" shown in my photo were extremely clean and competent.

Bob "R.L." Whitely was another person altogether, although they both held strong opinions. Bob also won a Nationals title with his "Derringer," pictured with him. His forte though was the pragmatic. His expertise in trimming and designing came from his own extensive experience, and no one I've heard has ever questioned how well his planes flew nor whether his advice helped them. His techniques were often subtle, but given freely on the internet. I think one of his responses was a long statement entitled "What Always Works" or something close. In regular life he was an air traffic controller, which may explain his assuredness. There are some very interesting first-hand stories from several top fliers, like Bob Hunt and Ted Fancher, on the stunthanger.com (sic) forum.

Winding things up, let's keep an eye out and see if the approach of spring brings us weather to meet at the field on the 16th. Thanks, guys, for furnishing interesting last-minute photos of your projects and activities. I'm sure everyone will enjoy them. Dave Rigotti must by now own the club record for building so many well-constructed and finished planes in such a short time. I know I've enjoyed his recent contributions, two more of which you'll see in the coming pages. Otherwise, please everyone, stay safe out there, get your vaccinations, and we'll see you soon at the field. - SK

North Coast Control Liners Business Meeting Minutes – January and February, 2021

Again due to the club's responsible safety measures against the COVID-19 pandemic, there have been no monthly business meetings yet this year. - SK

CALENDAR			
Tuesday	3/16/21	NCCL Business Meeting – 7:00 PM	*Unlikely; Parma Library; See below
Tuesday	4/20/21	NCCL Business Meeting – 7:00 PM	*Unlikely; Parma Library - or Outside?
Saturday	5/1?/21	NCCL Work Day	Date to be determined, Flying Circles
Tuesday	5/18/21	NCCL Business Meeting – 7:00 PM	*Flying Circles or Bagley McDonald's
Tuesday	6/15/21	NCCL Business Meeting – 7:00 PM	*Flying Circles or Bagley McDonald's

* No indoor meetings of a significant number of members may be held, until the COVID-19 pandemic is controlled. We will see how early spring weather turns out for March and April.

Submissions from Members and Friends:

From Jerry Cergol, 1/2/21 – New Project and Balsa: Hi, Serge. I'm gathering the wood I'll need to build a Hangar 9 Ultra Stick 120 Lite laser short kit so if anyone in the club has excess or unwanted balsa I'm willing to buy it. The guy in the pic is NOT me. - Jerry Cergol (I hope I remembered to e-mail out your request, Jerry! - SK)



From Phil Spillman, 1/5/21 – Fwd Concerning Drones: Wow! That's amazing! plus it paints the basic Drone in a positive picture! If this is possible and functional it deserves to be seen by the people in Washington, DC as well as the AMA and the FAA to wake up their practical intelligence as opposed to their prejudiced views presently in much evidence! Thanks for sharing! Phil Spillman (Unfortunately no attachment came with Phil's forward - SK)

From Jerry Cergol, 1/7/21 – An "Attaboy": Top notch newsletter yet again, Serge! Thanks - Jerry (Thank YOU! - SK)

From Dave Evar, 1/24/21 – "Super Courier Engine/Tank Installation: ...

Attached pic if of the Super Courier with engine moved 3/16" to the right to center prop. Also the tank and LG location. The left side of the cowl will be fixed to the fuse, the right side removable. The full-flying stabulator has been rebuilt for the third time and ready to install, but bellcrank needed for the complicated process. - Dave



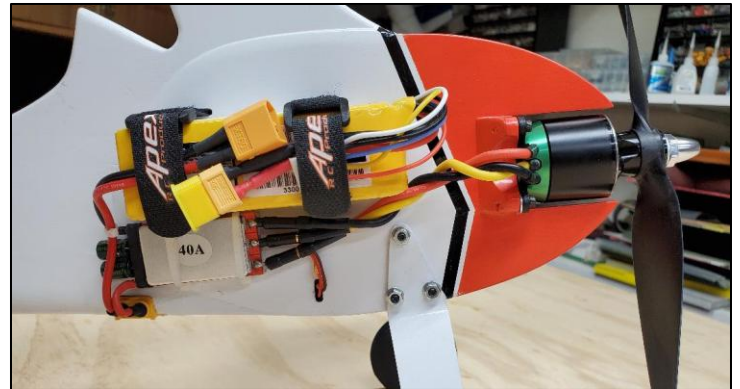
From The AMA, 1/28/21 – Flying Site Improvement Grant Reminder: The Academy of Model Aeronautics (AMA) and AMA Foundation are committed to supporting its members through philanthropy. The Flying Site Improvement Grant (FSIG) program provides funding for AMA chartered clubs that have made improvements or are making improvements to their flying sites. We understand that well-maintained flying sites promote satisfaction among hobbyists, club visibility to the public, community engagement, aviation education, and safety. Through the FSIG program, the AMA will contribute 25% of total project costs—with a minimum contribution of \$100 and a maximum contribution of \$3,000—to clubs that are improving their flying sites and demonstrating their club’s commitment to AMA's mission statement: To promote, advance, and safeguard model aviation as a hobby, sport, and educational tool. We encourage all applicants to review this document extensively before submitting the application. If you have questions about the grant program or application process, please don’t hesitate to contact Austin Perlee, Donor and Programs Specialist, at austinp@modelaircraft.org or at (800)435-9262, ext. 518.

From The AMA, 2/11/21 – “Building with Foam” Video: <http://amablog.modelaircraft.org/blog/ama-podcast-ep-55-building-with-foam/> (This is an informative audio track of an interview with Keith Sparks - SK)

From Dave Rigotti, 2/11/21 – Mathis “Otto the Giro” Project: Serge, Here's something for the next newsletter.....

I had 2 weeks of "open build table time" at the moment the autogyro threads were "flying". So...I downloaded Dick Mathis Otto the Giro plans and began picking through my wood pile for suitable wood (read that as stuff too heavy for stunter builds). I had a Cobra 2820/14 motor on hand and a cheapie generic eBay ESC rated at 40A. Hmmm all I needed was a timer.....About 10 days later I was finished with the build. The only item I needed to purchase was the Trinket M0 timer board at \$8.95. I choose it because it allows the end of flight motor speed to be gradually decreased to full stop. Reading Dicks build article, he says to be ready at 1' or 2' of height when the engine quits as it won't glide. In fact, the build article picture has a 3-line setup to throttle control. Circuit Flyer "open source control line timer" solves this problem rather nicely. In fact you can also program it for a slow ramp up to flight RPM too! No programmer is necessary. A really fine solution to electric sport control line flight. He has a thread here on Stunt Hangar. I kinda liked the Coast Guard paint scheme. The Cobra motor weighs the same as a Fox 35 stunt. I positioned the battery and ESC rather aft to maintain what I think will be a good balance point. Anyway.. she’s done and ready for flight when the weather gets above 50 degrees. A rather fun build I must say!!! the specs are:

Ready to launch weight of 32 1/2oz with the 4S 2200 Zippy Compact Lipo; Cobra 2820/14 840kv; eBay generic 40A ESC; APC 10/6 E Pusher Prop (Might go to 11/5); Open Source timer; 4S 2200 Zippy Compact Lipo (I may change this out for a TG 4S 1600 lipo as who wants to fly 5 minutes going around in circles maybe doing a loop or two? This will reduce the weight slightly over 2 ounces and give a flight time of over 3 minutes). Rustoleum rattle can finish with Poly Crylic base. Regards - *Dave Rigotti*



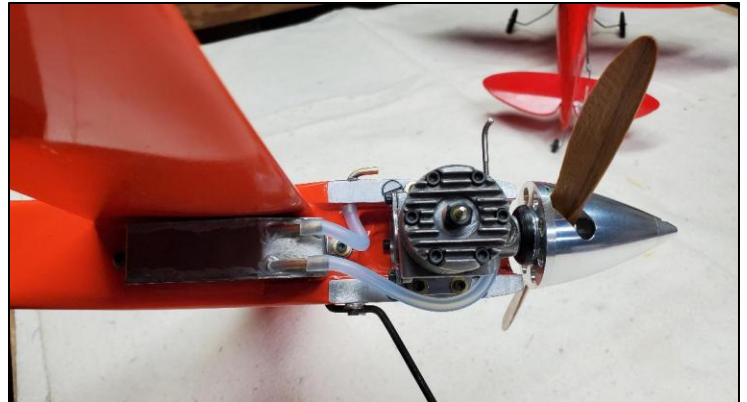
From The AMA, 2/22/21 – FAA’s UAS Recreation Safety Test: Today, the [FAA released information](#) regarding the application process for organizations that are interested in becoming a [Test Administrator for The Recreational UAS Safety Test \(TRUST\)](#). AMA is currently evaluating this information and will continue to provide updates when available. On October 5, 2018, [the FAA Reauthorization Act of 2018](#) was signed into law. It included a requirement for all recreational UAS users to pass a knowledge and safety test in order to operate a recreational model aircraft within the National Airspace System. AMA has since advocated on behalf of our members, working closely with the FAA to ensure that the test meets the intent of Congress without placing an undue burden on our hobby. In the spring of 2019, AMA hosted a roundtable discussion with UAS stakeholders and the FAA to lay out the guidelines and administration of the knowledge and safety test. AMA also worked with the FAA to develop the questions and content. In September 2019, AMA sent a request for information to officially declare our interest in becoming a test administrator. Most recently, AMA successfully championed for the test to evolve more into a short training and education module that ensures a 100% success rate for those who complete the process. To learn more about the upcoming FAA Knowledge and Safety Test, please visit the [AMA Government Affairs Blog](#). *(This should apply only to RC aircraft pilots, since we do not use the airspace, but I’m including it as an FYI - SK)*

From the AMA, 3/1/21 – 2021 Nats Registration: Want to fly at 2021 AMA National Championships? Are you thinking about attending the 2021 National Championship? Well don’t wait any longer because the \$50 basic registration fee will be waived for all first-time contestants. Also, the first 100 registered pilots will receive a free 2021 Nats T-shirt! So, don’t wait—[click here to register now](#). Use the discount code `FlynNt20at` at checkout to take advantage of this special offer.

From Dave Rigotti, 3/1/21 – Club Dues: Serge, I think it would be a good idea to publish Walts address in the newsletter so we can send in our dues. Regards, *Dave Rigotti (I forgot! I can’t fit it where needed; so here it is. - SK)*

Send your \$20 Dues to Walter Elbrecht, 9575 Oakdale Rd., Parma, OH 44129

From Dave Rigotti, 3/1/21 – “Stunt Racer Project: Serge, Here’s some pic of my Fox .35 stunt speed plane. It was from a kit by Bill Hughes. The St. Louis CL club “invented” the event. She’ll do around 90MPH from a standing start. It is timed for 14 laps. She weighs 18 1/2 empty. Klasskote paint. Regards, *Dave Rigotti*

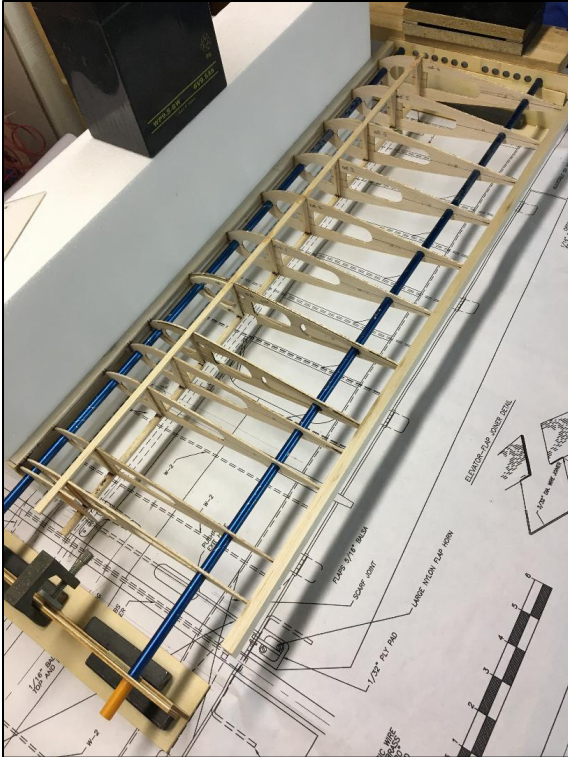


Exchange: SK – “It Stunts?? DR - IF it does...NOT on purpose!!!

Ha!

From Paul Baluch, 3/1/21- Muffler and Head Test: Here you go Serge photo of Paul Baluch & Mike Serge testing new muffler design and head shape on F 2D combat airplane.

From Dave Heinzman, 3/1/21 – e-Twin Pathfinder Wing: Hi Serge. Building a wing for my Pathfinder twin electric using arrow shaft method - Dave



From Jerry Cergol, 3/1/21 – Old CL engines needing mufflers and kits: Hi, Serge. I am most RC now but, even though I haven't built/flown C/L in decades I still have some kits. But since I haven't flown since the Cleveland C/L rings days I have many 35 and 36 engines with no mufflers so I'm looking for some and hopefully some of the members are willing to let some go. I have Cox 35 redheads, Enya 35's, Fox 35 and 36, and some K & B 35's. I have a few with mufflers but my grandkids want to try it out so I'm also looking for profile kits or already built non-used planes; stuff that I can repair or build quickly. Maybe you could write that up in the news letter.

My wife and I are still playing our church music but I've moved all four keyboards, mixer, sound modules and reverb and effects modules home; our living room has been a recording studio for a year. So I've had to get what at church is our music through a 32 channel digital sound board and an Eastern Accoutics digital array speaker system working

through a single channel analog mixer and amps. But our music for Sunday services is played over the church's live-stream system every Sunday. We even have folks from South Africa and Poland watching the live stream. I hope that you and Gusti are safe and well. I've had both COVID vaccinations so I'm head back to the gym after the ten day post-vac waiting period expires. Be safe, stay well. Warm regards. – Jerry
(If anyone can help Jerry, here is his e-mail: net-work@att.net - SK)



Will Hubin's Cleveland Contest Pictures - III



