



Volume 1 Issue 5 May 2020

# Circle Masters Flying Club Wisconsin's control line club



## *Announcements*

At the time of this writing we can't fly and can't meet as a group. Online meetings will continue through Zoom. I will be having tuesday night build sessions on google hangouts.

At this time of writing EAA Airventure is still on announcing early May. Joe Nall canceled..

The Nats, indoor is canceled but all other are still in plan

## *Inside This Issue*

**PG. 2** Contact information

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**PG. 5** Venturi's on a lathe

## Editors Notes

This issue will have a few deeper topics. The development of the speed controller. It will cover the reasons for doing it and some of the Hardware and software. Sill a little more work on it and test.

I added a photo essay on how you can make venturis on my sherline lathe. I drew the part on solidworks, my first 3-D models and turned it on the lathe.

Current progress on my speed controller is here as well.

Quarentten is time for puzzles and problems, there is a Where-Is-Waldo problem. Solution will be published next month. There are 24 problems with this picture. I will be adding an old advertisement of hobby items each month.

“Stay Safe and  
keep engaged  
Build build  
build”

## Club Information

Web site [www.circlemasters.com](http://www.circlemasters.com)

Dues \$20.00

Flying Location

Sussex Village Park, Sussex. Wisconsin

Meeting First Saturday of the month 1pm

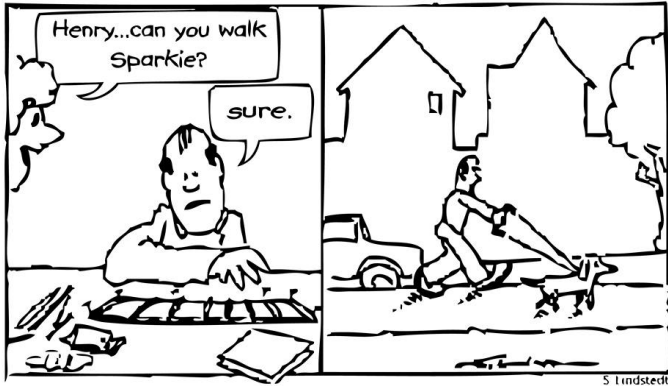
Location Summer (May- Oct) at the field

Location Winter Sussex Library

Comments to [circlemastersflyclub@gmail.com](mailto:circlemastersflyclub@gmail.com)



# Cartoon



S. Lindstedt

Walking a dog with a handle is a fun way to get old sparky out there. If you can't fly, do some laps with your dog.

# Old Ad

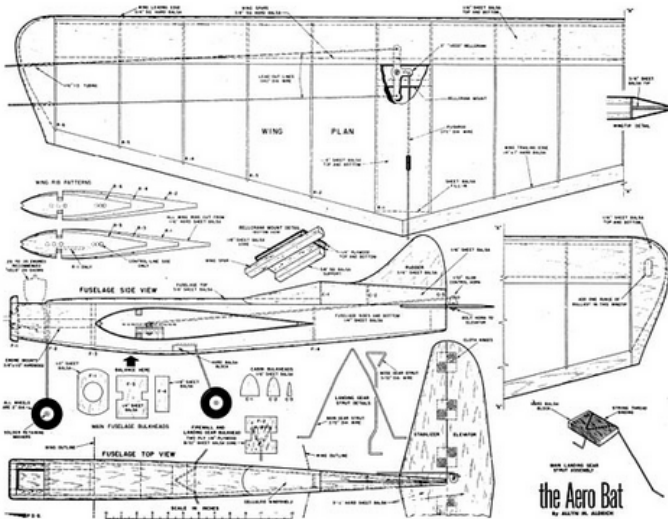
**The original *unbreakable* Automatic Clutch Starter Engines...Instant starts**

**\$4.98** ITEM NO. 440  
**Automatic engine**—the engine with the fabulous patented unbreakable automatic clutch starter. A new approach to miniature engine starting. Instant starts every time. Just wind prop counterclockwise 1 turn. Let 'er go. Engine roars. Maximum power. Unsurpassed performance. Highest rpm. Free tank and prop. A real performer. Quick starts. High precision parts. Features die-cast crankcase, hardened crankshaft. Wen-Mac's own long-life glow plug. No frustrating starts with backward running engine. Unequaled performance records. Smooth maximum performance at 18,500 rpm. Dunder all flight conditions. Frames really "blast-off" with their Wen-Mac engines. Easy access needle valve. Forget other brand chattering, coughing engine flights. All Wen-Mac engines give peak constant flight action. Automatic starter is integral with engine. No exposed wire gears.  
**BUYER'S TIP**—Stock the automatic engine for those who build their own planes and want the finest engine!

**\$5.98** ITEM NO. 445  
**Cyclomatic engine**—the "ultimate" in miniature 1/4A engines. Features tremendous NEW Cyclomatic automatic clutch starter. Pull cable. Release. Engine starts instantly. Wen-Mac's never run backwards. Neerer touch the prop. The perfect engine for kids who "build their own." Perfect for "multi-engine" models. Super machining, close tolerances and individual selective-fit pistons and cylinders insure 100% long-life and performance.  
**BUYER'S TIP**—Stock this engine. Not a 1/4A engine on the market can touch it. All new for '76. Neerer better available.

**\$3.98** ITEM NO. 400  
**NEW CONTEST .019 ENGINE**—And at the lowest price ever! Maximum performance. Smooth running under all flight conditions. Easy starts every time! No break-in needed. Just flip the prop and you're ready to fly. 18,500 rpm. Engine never runs backward. Piston and cylinders "hand fitted" to insure record-breaking runs every time.  
**BUYER'S TIP**—At this low price and with this top quality...stock gross quantities!

# Plan of the month



# Club Events

Club Contest-- August

EAA Kidventure Late July

Sussex Antique Tractor and Steam Engine show August

Club Fun Fly and Picnic June

Christmas Party December

# **CIRCLE MASTERS FLYING CLUB**

## **MEETING MINUTES for April 2020**

*The March meeting of the Circle Masters Flying Club was held at Home. Thanks to the Coronavirus this meeting was held with computers. The meeting was hammered to a start at 1:10 PM by Pres. Chris. He began by asking if the members (?) had received The Circle Flier newsletter and had read the minutes from the March meeting. The members present had all read the minutes. So, the minutes stood as published.*

*The Treasurers Report for was presented by Wayne but read to the members by Chris. The report was approved as presented.*

**REPORTS & ANNOUNCEMENTS:** *There might have been some reports but were unheard by the secretary. Dave if you have any record please add it here.*

**OLD BUSINESS:** *Chris asked about the “Wednesday Night Flights” and Jason reported that no activities have been signed up due to the virus situation. Therefore, this we must do the same and put this subject on hold. The Lisbon Easter egg hunt has been cancelled for this year for the same reason. The piles of soil will be removed and smoothed over. Probably done by now.*

**NEW BUSINESS:** *Since August 15<sup>th</sup> will be National Model Aviation Day it was proposed that perhaps we could fly on that Saturday and practice for the upcoming Antique Tractor and Steam Show. Jason will check to find out if we can use the field.*

**WEB SITE BUSINESS:** *Dave reported a lot of hits on the web site as well as Facebook.*

**OTHER BUSINESS:** *None.*

*There being no further business Chris asked for a motion to adjourn the meeting. It was quickly moved and seconded. Meeting adjourned at 2:01 PM.*

**SHOW & TELL:** *A lot of discussion and visual regarding Indoor Electrics.*

*Submitted by Wayne M. Schmidt Secretary/Treasurer*

*04/20/2020*



Answers next month

# WHAT'S WRONG WITH THIS PICTURE?



The above Curtiss Fighter was intended to represent the leader of the 2nd section, 6th Fighting Squadron attached to the U.S.S. Saratoga.

## 24 Blunders that Could Have Been Avoided!

The Curtiss Fighter, illustrated above, is mechanically correct but contains 24 specific errors in painting and marking. Just try to find them! We challenge you to spot more than 10, and further we defy ANYBODY—Navy men included—to spot all 24!

No wonder the artist went haywire. Each Navy squadron, section, plane and aircraft carrier has its own distinctive coloring or marking—with thousands of combinations—and only one combination is correct! But like any puzzle, once you have the KEY, it becomes amazingly simple.

With the cooperation of U. S. Navy officials, POPULAR AVIATION has evolved a SIMPLIFIED COLOR KEY that every gob, every pilot, and every model builder can understand at a glance. Once and for all, it will be possible to identify immediately ANY NAVY PLANE.

**Coming! DON'T MISS IT!**

The most important, outstanding feature in our history. A rare scoop, never before published anywhere, carefully compiled after many months of tedious research.

**U. S. NAVY  
COLORS AND MARKINGS**

**Don't  
Risk a  
Sell-Out!**

WEST MICHIGAN SMOKE RINGS



**West Michigan Smoke Rings Model Airplane Club**

**is a**

**Control Line Model Airplane Club**

**that**

**Fly's models at the "AirZoo" in Portage, MI**

**at**

**The east end of the parking lot by the picnic Pavilion.**

~~2019  
May 18 Contest~~

~~June 22 Race Day~~

~~July 27 Scale Contest~~

~~Sept 21 Contest~~



If you're an old control liner or just interested  
In a dynamic, hands on new hobby,

Come have a look on Wednesday nights all summer,  
Weather Permitting

We have training models ready for you  
and

club members ready to help you learn to fly.  
Give us a call or stop out after 6:00 p.m. until dark.

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# May 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1 2 club meeting Eldorado, Arkansas
3 Eldorado, Arkansas	4	5	6	7	8	9
					<b>Joe Nall Victory in Europe Day</b>	<b>Joe Nall</b>
10 Joe Nall	11 Joe Nall	12 Joe Nall	13 Joe Nall	14 Joe Nall	15 Joe Nall	16 Joe Nall Speed St Louis
17	18	19	20 EAA goodyear Blimp	21	22 Northwest Control-Line Regionals	23 Northwest Control-Line Regionals
24 Northwest Control-Line Regionals	25 Memorial Day fay	26	27	28	29	30
31						

## NOTES

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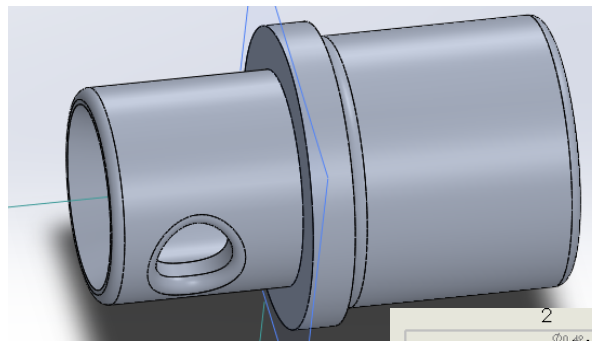


# Photo Essay Making venturi

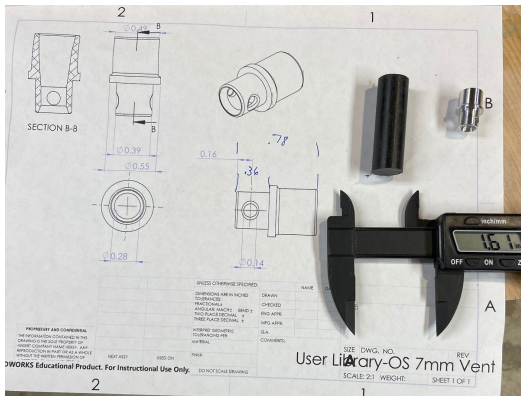
making venturies for OS 25 for speed limit Combat engines. Dave Siegler AMA 720731

This was a project I gave myself to force me to learn SolidWorks. I had to draw up a venturi and carve it out on my Sherline lathe. I started with a real OS venturi to be used as a guide. Using a caliper, I made measurements and modeled it in SolidWorks. This took a little time, as I was new to 3D CAD. All I can say is it is worth learning. I used the solid works student edition that is part of the EAA membership.

Cross section and parts were modeled by existing venturi. Part was dropped into a generated a 4 view drawing. I added a definitions.



using a caliper on a print and solid works cross section and



I used black Delrin rod and did the work on the sherline. Since it was a pressure system the taper of the venturi was not as important. I used a countersink on both ends. I'll cross drill it to fit the engine.

