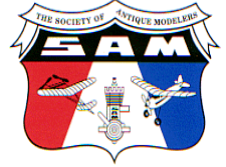




(Official
newsletter of
the
"BlackJack"
Club)

Nov2024#2411bhc



SAM21

CLIPPER

Society of Antique Modelers

Chapter 21

AMA Charter Club 1470



Newly installed SAM President Dave Warner with a Fubar at the SAM Champs @ Schmidt Ranch.

... in this issue:

- P.1 NEW SAM PRESENTENT, DAVE WARNER
- P.2 LATEST DOPE, MEETING DATE LIST
- P.3 MEETING NOTES AND PHOTOS
- P.4 2024 SAM21 CHRISTMAS BANQUET FLIER
- P.5 2024 SAM CHAMPS RESULTS
- P.6 COLLECTO, DIESEL ENGINE
- P.7 2025-2030 SAM ELECTRIC RULES
- P.8 NEW SAM RULES, VISITING JAY BURKART
- P.9 TREXLER WHEELS, CH3OH VS C2H6O
- P.10 SAM21 RENEWAL INFO, CLUB INFO, RENEWAL FORM
- P.11 THERE IS NO PAGE ELEVEN!

Christmas Banquet:

Monday Dec 9th, 2024

Dr. Alan Peterson's House

1115 Seena Avenue

Los Altos, Ca 93024

11 am to 3 pm

White Elephant

See page4 for details.

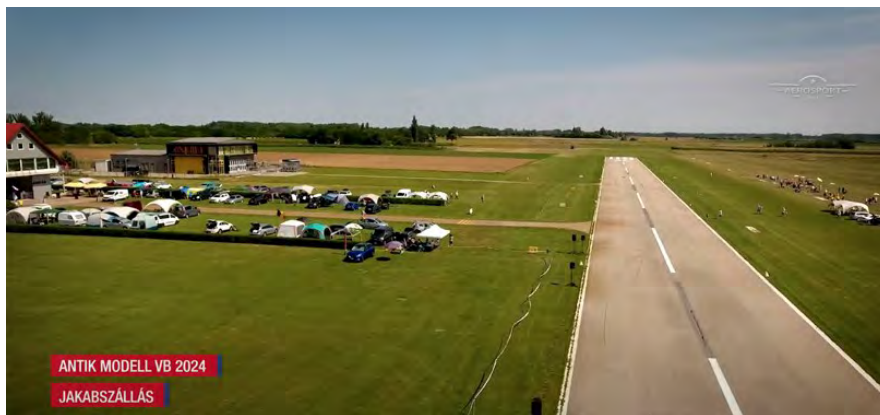


SAM21 Current Affairs

Latest dope.....



- The November SAM21 meeting was held at Alan's, 4 members attended.
- Be sure to come to the next meeting and bring something to show and tell.
- **December Christmas Banquet will be held at Alan's , Monday Dec 9th, 2024, 11 am – 3 pm.**
- SAM21 Collecto was held at the Westhope Presbyterian Church in Saratoga on November 9th, Saturday. Very low turn outs.
- **The board voted to have the 2025 SAM21 membership dues reduced to \$0.00. Yes, it is \$0.00!**
- **Even though SAM21 2025 membership is \$0.00, You are still required to have AMA membership to remain a member of SAM21.**
- **There is very nice video by Laszlo Torok (SAM 5, Hungary) of the SAM World Championship in Hungary. The video is posted in You-Tube**
https://www.youtube.com/watch?v=_ns3UjhaeP0&t=4s



2024 Meeting Dates

1st Thursday after
the 1st Monday

7:00 p.m.

Dr Peterson's House.
1115 Seena Avenue, Los
Altos.

January 11

February 8

March 7

April 4

May 9

June 6

July 11

August 8

September 5

October 10

November 7

December 9

Christmas Banquet

Don't forget to
renew your

SAM 21

membership,
the dues is

\$0.00

for 2025



November Meeting Minutes

October meeting was attended by 4 members. Sam Niece recorded the minutes for the wandering Editor, who was absent due to travel.

- **Christmas Party:**

12/12/2024, starting at 6 pm, at Alan's house. Oakland Cloud Dusters to be invited. (Date had been changed to Dec 9th, Monday, see flier)

White Elephant Gift Exchange.

- **Loren Schmidt Memorial:**

Fun fly instead of contest, Sarge to call Miriam in Feb to check out dates in June.

- **SAM21 Collecto:**

Cliff presented Sarge with a check for \$340 to reimburse him for the room rental. Sarge will set up the room on Friday. The rest of us will show up ~7 am to help with logistics

- **2025 Dues:**

Given that we have over \$X,000 in the bank and virtually no expenses, motion made and passed to reduce dues to \$0 per year.

- **Half A Texaco postal contest:**

Per SAM27, postponed. Meeting to the minds that we will field a team if and when it gets scheduled.

- **Show and Tell:**

- Alan showed three OK Cub engines, a .15, a .29 and a .35.



- The 29 needs a backplate

- Sam showed a new aliphatic resin glue available from Amazon. The cap attached with lanyard so it doesn't get misplaced.



- Sam discussed the potential benefits and problems of running ethanol fuel in Half A Texaco. In order to get the mixture lean enough to run ethanol the needle valve must be modified.

- Sam showed how he does it.

- Sarge pointed out another way to do it.

- Also, ethanol needs on on-board battery (e.g., N cell) to keep the glow head warm.



- Dinner from El Pollo Loco

- Thank you , Sam. (editor)



2024 SAM 21 Christmas Party & Pirates White Elephant Gift Exchange



When: December 9 (Monday), 2024
11am - 3 pm

Where: Gina & Alan Peterson
1115 Seena Avenue,
Los Altos, Ca 94024
650-248-3114



Here are the details:

Everyone brings a hobby related, wrapped gift with a value of at least \$25.00. Used items are welcome, as well as new ones but This not a “clean out your junk drawer” event!

Playing order is drawn from a hat and #1 selects a gift and unwraps it. #2 has the option of grabbing a new gift or pirating #1’s selection. Ditto for #3 who either selects a new gift or robs a gift from #1 or #2. The trick is to then select another gift which has a good chance of being pirated! That way you can get your original gift back. This goes on until all gifts are opened. Once a player has possession of a particular gift 3 times, it belongs to them and is out of play (and so are they). Remember, you can not take a pirated gift directly back, it must first pass through a second party’s hands.



R.S.V.P. is requested.

Please send R.S.V.P. no later than December 4th
to Alan 650-248-3114 or to Brian, SAM21editor@gmail.com

**Food and refreshment will be provided.
Desserts are always welcome.**



2024 SAM Champs (Elk Grove) Results

SAM Champs 2024 RC Results RC Results Electric & Glider

Place	Contestant	Model/ Engine	Total/Best	Flyoff	Champ. Pts.
1	Brian Chan	Playboy Senior	1200	10:07	5
2	Ken Martinez	Benny Boxcar	1200	7:53	4
3	Mike Warner	Buccaneer Special	1200	7:43	3
4	Randy Bush	Benny Boxcar	1200	7:24	2
5	Jim Wiseman	Lanzo Racer	1110	--	1
6	Jarron Wlodavver	Spoucer	1102	--	
7	David Warner	Sailplane	953	--	
8	Bruno Scordo	Playboy	905	--	
9	Walter Angus	Bomber	880	--	
10	Loren Kramer	Playboy	742	--	
11	Angelo Fattoracci	Airborn	189	--	
12	Steve Roselle	Buzard Bombshell	0	--	

Place	Contestant	Model/ Engine	Total/Best	Flyoff	Champ. Pts.
1	Sam Niece	Senior Playboy	22:38	--	5
2	Randy Bush	Benny Boxcar	22:05	--	4
3	Mike Warner	Buccaneer Special	21:55	--	3
4	Walt Angus	Bomber (Mike Myers)	18:24	--	2
5	Loren Kramer	Playboy Sr	16:51	--	1
6	Jarron Wlodavver	Spacer	13:54	--	
7	Brian Chan	RC-1	10:52	--	
8	David Warner	Sailplane	8:08	--	

Place	Contestant	Model/ Engine	Total/Best	Flyoff	Champ. Pts.
1	Jim Wiseman		12:47	--	5

Place	Contestant	Model/ Engine	Total/Best	Flyoff	Champ. Pts.
1	Jarron Wlodavver	Viking	1119	--	5
2	Jim Wiseman	Fubar	1118	--	4
3	Dave Warner	Fubar	1079	--	3
3	Ken Martinez	Alert	1079	--	3
4	Randy Bush	Cleveland Coudster	954	--	2
5	Bruno Scordo	Baby Mercury	928	--	1
6	Mario Mariani		925	--	
7	Brian Chan	Bomber	910	--	
8	Steve Roselle	Tiger Zipper	886	--	
9	Tom Empey	Crvy Boy 300	884	--	
10	Lino Dal Maso	Airborn	863	--	
11	Marurizio Barcello	Kerswap	799	--	
12	Mike Warner	Airborn	714	--	
13	Angelo Fattoracci	KL 53	638	--	

Place	Contestant	Model/ Engine	Total/Best	Flyoff
1	Brian Chan	Bomber	1200	--
2	Randy Bush	Cleveland Coudster	1090	--
3	Ken Martinez	Alert	1070	--
4	Jim Wiseman	Fubar	1055	--
5	James Temple	Fubar	856	--
6	Bruno Scordo	Baby Mercury	806	--
7	David Warner	Fubar	652	--
8	Aric Wilmunder	Viking	570	--
9	Sam Niece	Playboy	552	--
10	Mike Warner	Airborn	548	--
11	Lino Dal Maso	Airborn	544	--
12	Brian Chan	Kerswap	523	--
13	Steve Roselle	Tiger Zipper	498	--
14	Walt Angus	Rambler	457	--
15	Loren Kramer	Kerswap	0	--

Place	Contestant	Model/ Engine	Total/Best	Flyoff
1	Rick Holman	Bomber	1005	--
2	Angelo Fattoracci	KL 53	995	--
3	Steve Roselle	Tiger Zipper	900	--
4	Tom Empey	Crvy Boy	613	--
5	Taziano Bortoli	Fubar	611	--
6	Bruno Scordo	Baby Mercury	534	--

Results were provided by Walt Angus, C.D.

SAM Champs 2024 RC Results RC Results Ignition / Glow

Place	Contestant	Model/ Engine	Total/Best	Flyoff	Champ. Pts.
1	Lino Dal Maso	Airborn	840	--	5
2	Tom Empey	Bomber	769	--	4
3	Mike Warner	Bomber	741	--	3
4	Rick Holman	Stardust Special	697	--	2
5	Maurizio Barcello	Airborn	220	--	1
6	David Warner	Airborn	DNF	--	--

Place	Contestant	Model/ Engine	Total/Best	Flyoff	Champ. Pts.
1	Lino Dal Maso	Airborn	960	13:37	5
2	Mike Warner	Bomber	960	9:19	4
3	Tom Empey	Airborn	960	0	3
4	David Warner	Airborn	607	--	2

Place	Contestant	Model/ Engine	Total/Best	Flyoff	Champ. Pts.
1	David Warner	Stardust Special	1080	9:11	5
2	Maurizio Barcello	Bomber 1206	1080	5:02	4
3	Mike Warner	Bomber	1080	DNF	3
4	Lino Dal Maso	Bomber	961	--	2
5	Tom Empey	RC-1 1000	943	--	1
5	Walter Gianati	Bomber 1206	943	--	1
6	Stewart Saunders	Airborn	893	--	
7	Rick Holman	Bomber	44	--	

Place	Contestant	Model/ Engine	Total/Best	Flyoff	Champ. Pts.
1	Mike Warner	Bomber	1200	--	5
2	David Warner	Airborn	1196	--	4
3	Walter Gianati	Anderson Pylon	1071	--	3
4	Lino Dal Maso	Anderson Pylon	657	--	2
5	Maurizio Barcello	Anderson Pylon	414	--	1

Place	Contestant	Model/ Engine	Total/Best	Flyoff	Champ. Pts.
1	Sam Niece	Baby Playboy	1587	--	5
2	Mike Warner	Airborn	1423	--	4
3	Walter Gianati	Airborn	1269	--	3
4	Brian Chan	Record Hound	1044	--	2
5	David Warner	Airborn	918	--	1
6	Stewart Saunders	Airborn	756	--	
7	Lino Dal Maso	Airborn	640	--	
8	Ken Martinez	Rambler	624	--	
9	Tom Empey	Airborn	32	--	

Place	Contestant	Model/ Engine	Total/Best	Flyoff
1	Mike Clancy	Trenton Terror	386	--
2	Tom Empey	Clipper MK-1	106	--

Place	Contestant	Model/ Engine	Total/Best	Flyoff
--	Tom Empey	Benny Boxcar	DNF	--

Place	Contestant	Model/ Engine	Total/Best	Flyoff
--	Tom Empey	Playboy Sr	456	--

Place	Contestant	Model/ Engine	Total/Best	Flyoff
1	Aric Wilmunder	Airborn	1800	--
2	Maurico Barcello	Airborn	1332	--
3	Walter Gianati	Airborn	968	--
4	Lino Dal Maso	Airborn	774	--
5	Mike Clancy	Bomber	279	--
6	Stewart Saunders	Airborn	0	--

Ignition Champion: Mike Warner

Place	Contestant	Model/ Engine	Total/Best	Flyoff
1	Randy Bush	Playboy	1189	--
2	Steve Roselle	Playboy	814	--
3	John Eaton	Playboy	586	--
4	Sam Niece	Playboy	408	--
5	Loren Kramer	Viking	120	--

Place	Contestant	Model/ Engine	Total/Best	Flyoff
1	Jim Wiseman	Hereward	713	--
2	Mike Warner	Korda Wakefield (1939)	483	--
3	David Warner	Korda Wakefield (1939)	312	--

Place	Contestant	Model/ Engine	Total/Best	Flyoff
1	Steve Roselle	Aquila	707	--
2	Brian Chan	Bird of Time	680	--
3	Randy Bush	Gentle Lady	503	--
4	Jake Chicilitti	Gentle Lady	195	--

Electric Champion: Jim Wiseman



2024 SAM21 Colleto

The 2024 Collecto was a bust, as the turn out was very low. Brian Sargent reported only 5 table was rented and 18 attendees, 5 were SAM21 members.



“If you built it, they will come!” did not apply here! There has been discussion on how to increase attendance by involving other clubs for the future events. Hopefully the 2025 event will have better attendance.

PAW Diesel Engine



This is a PAW 1.49 c.c. Texaco engine with ball race (bearing).



ELECTRIC RULES FOR 2025-2030

—Jay Burkart, SAM Electric Rules Committee

Rulebook Section 10: Electro Rubber LMR Rules (Electro Rubber) is a Championship Event, replaces rule #4 Wakefield event from previous SAM rule book.

4: Electro Rubber LMR

Entries shall be any SAM approved Rubber designs meeting current SAM cutoff dates powered by an electric motor. Landing gear is as original design functionality. Scaling is allowed. Minimum ready to fly weight of the model is 12 oz. Model may be hand launched. Motors are limited to a Hacker A10-15S without modification. Folding props allowed as well as prop savers. Batteries are limited to 2 series cell lithium chemistry cells of any capacity. Flight time starts on aircraft release from hand launch and terminates when aircraft contact the ground or ground-based object. The motor run time limit may be reduced at the discretion of the CD. The motor may run only during the first 90 seconds of the flight. The contestants' score will be the best two of three attempts. A max flight time is 10 minutes.

2025 Rules for Radio Control Special Events

Rulebook Section 11 Special Events (Provisional)

9: Old Time (Vintage) Glider Rules:

Vintage Glider entries shall be a model glider designs meeting current SAM cutoff dates. The Design must retain the original outline, and construction method, but may be scaled, and or modified for being practically steered, by Radio Control.

Launching may be conducted by Hi-Start, Winch, or Electric Motor Power. The Maximum Towline length is 700 feet.

Gliders using the Electric Motor launch option must be fitted with a SAM approved Altitude Limiter unit, that will Limit motor run Launch Altitude to 200 meters Maximum or a

motor cutoff time of 30 seconds whichever comes first. There shall be no restrictions on Electric Motor, Battery Pack, or Propellers. The motor, should be mounted in such a manner as to retain the original fuselage lines, however Power Pod units mounted above the wing are a recognized option.

The Contest Flight attempt, is timed from the release of the Glider, with motor running, and ends when the Glider touches the ground. The Maximum flight time will be 10:00 minutes duration. There is no precision measured landing, however, the Glider must touch down in the designated landing zone for the flight to count. The Contestants score will be the best two of three attempts. Max flights is 10 minutes. In the event of a tie, the Contest will be settled by an unlimited time Flyoff, between the Tied Competitors.

10: Electric Altitude Limited Old Timer (EALOT) rules:

Electric Altitude Limited Old Timer (EALOT) entries shall be Gas Powered Old Timer designs meeting current SAM cutoff dates, having a minimum 8 ounces per square foot of plan-form wing area and powered by an electric permanent magnet brushed or brushless motor. Scaling is permitted. Propellers may be driven directly or indirectly via a gear or belt speed reduction drive. Protective folding propellers restrained from folding in flight are acceptable. No restrictions on battery sizes. Battery chemistries are restricted to LiXX and NiXX. Motor must conform to SAM Electric Rules. Power flow from the battery to the motor may be controlled by any method. Models must ROG if design allows for it. The model MUST use a SAM Approved Altitude Limiter to shut off the motor at 200 meters above launch point. Maximum motor run is limited to a single continuous time of 30 seconds. Flight time starts on aircraft release from ground and terminates when aircraft contact a ground-based object. The motor run time limit may be reduced at the discretion of the CD. The contestants score will be the best two of three attempts. A max flight time is 10 minutes



11: Electro R/C Replica 36" Rules:

1. Not to exceed 36" in projected wingspan
2. Replica model of any fuel-powered model kitted or built from plans designs meeting current SAM cutoff dates
3. Motor - any electric brushed or brushless in-runner or out-runner
4. Battery - a 2-cell lithium polymer battery of any capacity
5. Propeller - fixed, no folding propellers
6. Landing Gear - Two-wheel landing gear may be substituted for a single wheel. No landing gear required if not on original.
7. Construction - Construction is at the discretion of the builder but no foam or 3d printing.
8. Airfoil - Airfoils may be modified, but must retain the characteristic shape of the original,

Motor Run and max- Motor run is 120 seconds. A restart of the motor after 120 seconds results in a zero score for that flight. Flight max is 10 minutes.

The model's score is the sum of the best two of three flight attempts, timed from the release of the model.

In the event of more than one competitor achieving two maximum flights winner may be determined by a fly off. The motor run time limit may be reduced at the discretion of the CD.

Addendum

Information covering the SAM approved Altitude Limiter device information
For the events EALOT and Vintage Glider
The required Altitude Limiter device is:

Soaring Circuits Model ID is "CAM", with 100, 150, 200 meter presets is the approved unit.

Contact Soaring Circuits directly for this device. Made in USA by Soaring Circuits on the WEB as: <SoaringCircuits.com>.

Reprinted from SAM Speaks #293, Don DeLoach, Editor.

Visiting Jay Burkart

On a recent cross country road trip, I had a chance to stop in to visit Jay Burkart in Kentucky. Jay has a spotless workshop (man cave) that would make anyone jealous. One reason for the visit is to pick up a Pelikan OT model that Jay graciously offered to build for me. We ended up spending all day at Jay's shop talking about airplanes. Thoroughly enjoyed the visit, thank you, Jay.



Trexler Balloon Wheels

Ethanol vs Methanol as Glow Fuel

By Sam Niece.



PRODUCT SPOTLIGHT

New Products That Are Worth a Closer Look

TREXLER BALLOON WHEELS

STAN ALEXANDER shared his review of the Trexler Balloon Wheels. Here is what Stan had to say:

The Trexler Rubber Company exports products throughout the world, including to branches of the military, medical and veterinary products, and to other device manufacturers and government agencies, such as NASA. They continue to invest in new technologies and research and development to offer state-of-the-art production, rapid turnaround, and unique capabilities.

The first product that the company started with in 1936 was the Trexler Balloon Wheels for model airplanes. In the early days of model aviation, the Trexler Rubber Company produced sets of pure latex

rubber balloon wheels for models. These wheels could be blown up to a firmness that provided some give when you touched down for softer landings.

They featured rubber tires, wooden hubs, and stems to fill or deflate the tires. They are still available today for models in various sizes for some scale applications, such as the Aeronca C-3 and other early scale subjects.

These would be perfect for many Old-Timer Gas models of various sizes. The tires can be dismantled from the wooden hubs, which can be painted. The stem found on all Trexler tires allows a modeler the ability to fill the tire, seal it off, and then deflate the wheels for storage or modify the springy action of the wheels. Tire pumps are also available.

SOURCES:

Trexler Rubber Company
(800) 860-0082
www.trexlerrubber.com

Radical RC
(837) 256-7727
www.radicalrc.com

Stevens AeroModel
(719) 387-4187
www.stevensaero.com

ModelAviation.com

It was reported in the *AMA Model Aviation* magazine that the Trexler Tire is available again. <http://www.trexlerrubber.com>

The balloon wheels can be purchased from

- **Stevens AeroModel**,
<http://stevensaero.com>
- **Radical RC**
<http://radicalRC.com>

The stochastic ratio of methanol is ~6.4:1.

The stochastic ratio of ethanol is ~9.8:1.

i.e., methanol needs less air than ethanol to achieve efficient combustion.

The air flow is determined by the engine displacement, i.e. each revolution of the engine pulls in ~.049 cu in of air.

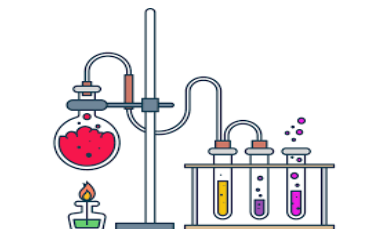
A needle valve setting that results in a good run on methanol will be way too rich for ethanol.

To achieve a good run on ethanol, the needle valve must be closed enough to reduce the fuel flow by ~1/3 (1.0-6.4/9.8). This may require modifying the needle valve to allow it to close enough.

Will this result in less power? No. The heat content of methanol is 19.7 megajoules/kilogram, whereas the heat content of ethanol is 26.8 megajoules/kilogram (1/3 more than methanol).

So, at given rpm, the stochastic fuel flow rate for ethanol is lower than for methanol, but the energy content is about the same, so we should get a longer engine run with about the same rpm.

But, too much ethanol will not run without continuous power to the glow head. Feasible, but a pain. So, a mixture of nitro, methanol and ethanol seems to be optimal.



A Friendly Reminder....The Renewal Process

SAM21, AMA* and SAM membership renewal links are listed below. (*newer AMA members might have a different renewal dates.) SAM21 still going with the old fashion way, forms and checks in an envelope and stamp on the outside.



Use the renewal form and send renewal fee to **Cliff Shekell, 2473 Briarwood Drive, San Jose, California 95125.** The SAM21 2023 membership is \$10.00.



Go to <http://www.mysamstore.com/> click on "Join/Renew Membership" on the upper left . It will redirect you to a renewal form. Fill in the form and click on the "submit form" button. The next page will be to select the online/print option. After that it will direct you to Paypal page to pay the dues.



<https://www.modelaircraft.org/membership/enroll>

click on the left box "Renew A Membership" blue box and follow the instruction. You might to registered first.

2024 SAM 21 Officers

PRESIDENT: Alan Peterson: 1115 Seena Avenue Los Altos, CA 94024 Tele: 650-941-6557 E-mail: alansoars@aol.com

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SECRETARY: vacant (Brian Chan)

TREASURER: Cliff Shekell: 2473 Briarwood Dr. San Jose, Ca. 95125 Tele: 408-269-5065 E-mail: tedbear1@pacbell.net

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SAM 21 - 2025 Membership Application Form

Check one: NEW Member RETURNING Member

Check one: FULL Member **FREE**

SAM No. _____ AMA No. _____
(Req'd if full)

Name: _____

Address _____

City, State, Zip _____

Phone: _____ Cell _____

Mail Form & Dues to SAM21 Treasurer: Cliff Shekell 2473 Briarwood Drive, San Jose, Ca 95125

