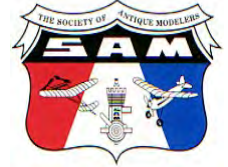




(Official
newsletter of
the
"BlackJack"
Club)

January 2020 #2001bhc



SAM

CLIPPER

Society of Antique Modelers

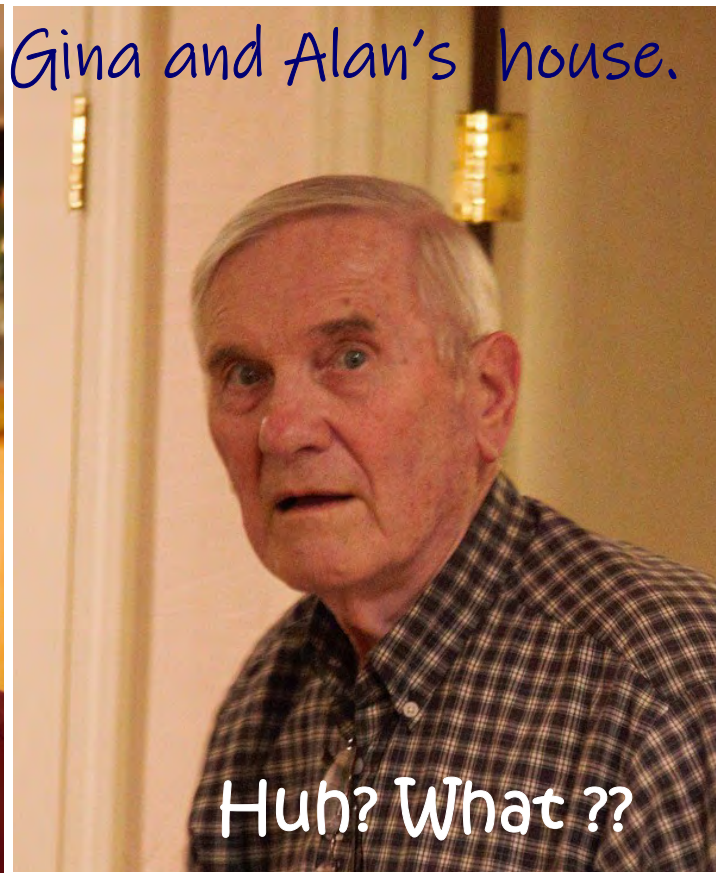
Chapter 21

AMA Charter Club 1470

December Meeting at Gina and Alan's house.



Ooh...hmmm..



Huh? What ??

... in this issue:

- P.1 DECEMBER MEETING PARTICIPANTS.....
- P.2 CALENDAR, 2020 MEETING DATES & GOODIES LIST
- P.3 DECEMBER MINUTES AND MEETING PICTURES
- P.4 DECEMBER MEETING PICTURES
- P.5 CLUB NEWS & MEETING PICTURES
- P.6 JANUARY SAM21 MEETING AGENDA
- P.7 BATTERY CHARGER ESSENTIALS
- P.8 SAM21 AWARD BANQUET INFORMATION/ORDER FORM
- P.9 SAM21 PROPOSAL FOR ELECTRIC CLASS A,B,C RULES.
- P.10 SAM RENEWAL FORM / SAM21 OFFICERS / SAM21 2020 RENEWAL FORM

Next Meeting:

Thursday, January 23rd, 7:00 pm

Saratoga Fire House

The January Meeting Social Assignments are:
Goodies (Tom Faith)

Coffee: (The Sarg)

See Page 2 For Annual Goodie Schedule



2020 WEST COAST EVENT SCHEDULE

2020 Meeting Dates

Revised 01-15-2020

	SAT	Sun
JAN	4	5
JAN	11	12
JAN	18	19
JAN	25	26
FEB	1	2
FEB	8	9
FEB	15	16
FEB	22	23
FEB	29	
MAR		1
MAR	7	8
MAR	14	15
MAR	21	22
MAR	28	29
APR	4	5
APR	11	12
APR	18	19
APR	25	26
MAY	2	3
MAY	9	10
MAY	16	17
MAY	23	24
MAY	30	31
JUNE	6	7
JUNE	13	14
JUNE	20	21
JUNE	27	28
JULY	4	5
JULY	11	12
JULY	18	19
JULY	25	26
AUG	1	2
AUG	8	9
AUG	15	16
AUG	22	23
Aug	29	30
SEPT	5	6
SEPT	12	13
SEPT	19	20
SEPT	26	27
OCT	3	4
OCT	10	11
OCT	17	18
OCT	24	25
OCT	31	
NOV		1
NOV	7	8
NOV	14	15
NOV	21	22
NOV	28	29
DEC	5	6
DEC	13	14
DEC	19	20
DEC	26	27
JAN	2	3

Bold are Confirmed dates
Shaded Italics are Unconfirmed events
 Shaded **are Completed Dates**

Leap Year.



5/10 Mother's Day

Monday 5/25 Memorial Day

6/21 Father's Day

July 4th Independence Day

9/7 Labor Day

11/26 Thanksgiving Day

12/25 Christmas Day



7:00 p.m.

@ SARATOGA FIRE DEPARTMENT

Corner of Saratoga Ave & Sunnyvale-Saratoga Hwy

January 23

February 27

March 26

April 23

May 28

June 25

July 23

August 27

September 24

October 22

November 19

(For Thanksgiving)

December 17

(For Christmas)

2020 "GOODIE" Schedule

Here are the assignments for 2020, excusing those who normally do not attend meetings on a regular basis.

If you cannot accommodate this schedule, then it will be your responsibility to "volunteer" / coerce another member to take your place. Don't say you weren't warned.

And, if you feel 'The Call' (and aren't on this list), please call one of the unfortunate souls on the list or the 'Standby' and offer to take their place.

JANUARY	Eberhardt
FEBRUARY	Martinez
MARCH	OPEN
APRIL	Peterson
MAY	Leopold
JUNE	Lewis
JULY	Eberhardt
AUGUST	Gurney
SEPTEMBER	Poco
OCTOBER	Chan
NOVEMBER	Sargent
DECEMBER	Dowling



MINUTES OF December 21st, 2019

December Meeting was held at Gina and Alan's house. They presented a gourmet Spaghetti meal with all the fixings! And the desserts...!! Thanks, Gina and Alan!

Call to Order: President Tom Faith 6:38 pm

Members present: 19

Guest: none

Minutes of November : passed.

Treasurer Report: Cliff Shekell We are solvent!

Members: 7 (Life) + 26(Regular)+ 11 (Associate) = 44

2020 Election of Officers Result:

President: Brian Sargent

Vice President: Tom Faith

Treasurer: Cliff Shekell

Secretary: Alan Peterson

Competition Chairman: Dave Lewis

Editor: Brian Chan

Due to the meeting program, the normal business part of the meeting was compressed. Here are some random notes to highlight the meeting...

- The "Livermore Four" were there, the Three brought Bill Copeland to the party...err...meeting.
- The new Constitution passed. Motion raised and Passed.
- Facebook SAM21 web is up, thanks to Ates Gurcan and Tom Faith.
- SAM website POC for SAM21 is Brian Chan.
- Henry Smith has a new phone number, to be published on the **Clipper**. For a while, no one seems to be able to contact Henry, a posse was formed... it turned out Henry "lost" his phone number due to some logistic mix up by the phone company, and he got a new number. All is well!
- Dave Brodsky passed. "He loved to build and fly model airplanes!" Famous Icon, Orange Studebaker.
- Thanks to Gina and Alan for hosting the meeting at their house. Alan suggested may be a meeting in the Summer at his house so we can use the backyard and BBQ!
- White Elephant Gift Exchange Program, , Lescher explained the history of the white elephant gift exchange history; In 1960 Lescher's church has the gift exchange program for Christmas. Jump forward to 1984, SAM21 has no program for Christmas so Lescher suggested to have a white elephant gift exchange and it stuck. This would be the 36th year of gift exchange.



And A Very
Happy 97th
Birthday to

Lescher!



More Pictures From the December Meeting.



December meeting at the Peterson's.



The feasting table.



Jim, Gary and Fred.



Alan and Gina.



Walt and John.



Tom pick up some plan..



Cliff picked an Easy Built Kit.



Ken got a Super Yogi!



Rick!



Lescher, Alan, Brian, Jim, Tom, Gary, Jeff, Fred, Brian, Bill and Dr. Joe.

Cliff the Treasurer.....

Cliff Shekell is being sidelined by a health issue. Cliff is ok and is resting at home in the last communication (Dec 31, 2019). He needs to limit his activity and driving for now. The treasurer duty will be temporary taken up by the new V.P. Tom Faith until Cliff is on his feet again.

SAM21 Membership renewals should still mail to Cliff, using the address on the renewal form.

Membership Renewal

SAM 21 membership is due on the end of each calendar year. To renew your SAM21 membership, fill in the form on the last page of the Clipper and mail to the address listed on the form with the membership fee. You will need to be an AMA member also. You don't have to be a member of SAM (Society of Antique Modelers) but is highly encouraged.

SAM membership renewal on-line.

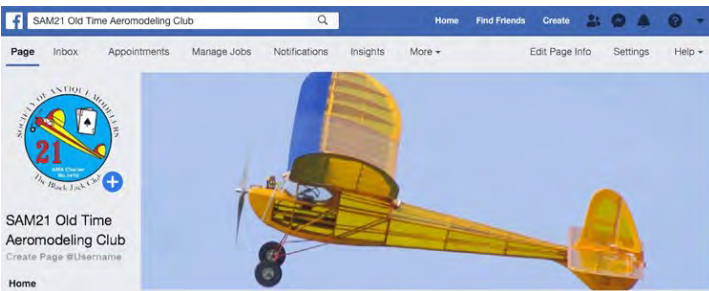
Go to <http://www.mysamstore.com/>

click on the upper left "Join/Renew Membership"

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.

SAM21 on Facebook

Thanks to the combine effort of Ates Gurcan and Tom Faith, we are now have a web presence on Facebook.



The direct link is <https://www.facebook.com/SAM21-Old-Time-Aeromodeling-Club-101229038046030>

Or log in to FB and search for "SAM21 Old Time Aeromodeling Club".



Bill concentrates on the food!



Lescher and Dr. Joe.



Everyone gathered around the dessert table!



Agenda - January 23rd, 2020

Call to order: President Brian Sargent

Members present:

Introduction of Guests present:

Approval of minutes: Minutes of December 19, 2019



Reports:

Treasurer's Report: Cliff **Shekell** / Tom **Faith**

Membership Report: Cliff **Shekell** / Tom **Faith**

A) Cliff **Shekell** will continue to collect the Membership dues

B) Tom **Faith** will coordinate AMA and IRS requirements with Lescher **Dowling**

Competition Report: Dave **Lewis**:

A)

B)

C)

Editor's Input: Brian Chan

A) January 2020 Clipper Realized and Published

B)

C)

Unfinished Business:

A) Constitution and Bylaws: Bill **Copeland** & Tom **Faith**

B) SAM 21 Facebook Update: Ates **Gurcan**

C) Update on Bill **Copeland**, Henry **Smith** and Cliff **Shekell**: **Multiples**

New Business:

A) January Awards Banquet: Walt **Gurney**

B)

C)

Break: 15 Minutes

Show and Tell: Open to **All!**

Program: President Speaks - Welcome our new President for 2020, Brian **Sargent**

Monthly Mystery Drawing: The Mystery Gift provided by - Dave **Lewis**

Adjournment: _____ PM

Refreshments: Tom **Faith**

Coffee by: SAM21- Brian **Sargent**



When you are searching for a charger for charging your batteries, the specification of the charger can be confusing or downright misleading sometimes. For example, the maximum **voltage** and the maximum **current** are not the only information you should look at, but you also have to look at the **output power** rating of the charger.

Some basic electrical information,

Power Law Equation: $P = I \times V$.

V= Voltage (Volts), I = Current (Amperes or Amps), P = Wattage (Watts)

Wattage is the product of Current and Voltage, P (Watts) = I (Amps) x V (Volts).

The specification will state the maximum number of cells (Volts) and maximum charging Current (Amps), but the most important part is the **power output rating**. Typically chargers will have a power output rating of 80 to 200 Watts.

For example the IMAX B6 **80W** 6A Charger gives this specification:

DC Input Voltage: 11 - 18 VDC
Charge Current Range: 0.1A - 6.0A
Li-Ion/LiPo Cell Count: 1 - 6 cells
NiCd/NiMH cell count: 1-15 cells
Output Power (Watts): 80W(Max)

The specification states it can charge 1-6 cells (1S-6S) @ 0.1 - 6.0 Amp. So when you charge a 3S5000 lipo pack at 1C, $12.60V \times 5A = 63W$. The power rating is 80W, so that is not a problem. However, if you are charging a 6S5000 pack, then you will not be able to charge at the maximum current rating! A 6S pack has an ending voltage of 25.20V, charging at 1C, 5.0 Amp will push the power to **126W**! So with the power limit is at **80W**, the max current that you can charge is limited to **3.17A**, at the maximum voltage (25.20V).

So you see the problem here. You need to know the maximum size of batteries in your current (*pun!*) inventory, and what is in your near future. You don't want to need a new charger when you upgrade to larger size batteries, so a little consideration of your future needs will save money and having too many chargers!

Another concern is how are you powering your charger. If you have an AC/DC charger, meaning you can plug it into your house 110V power or a DC source, life is easier. **Just make sure the charger power rating with 110VAC input is higher than what you need, as some of the AC Chargers have a lower power rating on AC power than on DC power.** If you have a DC powered charger, you will need a power source to supply power to the charger. If you use a 12V DC power supply, you will need to figure out how much power you will need to feed to the charger. Again, the same formula, $P = I \times V$ is used to calculate the amount of power you will need. Using the 6S5000 battery example, you will need 126 Watts to charge the battery. To get 130 Watts at 12VDC, you will need 130W (ha!) or 11 Amp (130W/12V). So you will need a power supply rated minimum to supply 130W @ 12V or 11 Amps @ 12VDC.

So now you know. If you have any question or comment, please contact me at sam21editor@gmail.com or talk with me at the meeting.

SAM 21 Awards Banquet Program - January 25th, 2020



Holder's Country Inn

998 S. De Anza Blvd, San Jose, Ca 408-244-2798

MC: **SAM 21 President**

Hours: 6 PM to 7 PM: Social Hour

7 PM: Dinner

After Dinner Program:

Presentation of Awards, Door Prizes, and Raffles

<u>Entrée Selections</u>	<u>Cost (includes Tax and Tip)*</u>
Prime Rib, au jus with baked potato	\$37
Chicken Cordon Bleu	\$32
Salmon with lemon butter sauce	\$36
Vegetarian: Vegetable Lasagna	\$32

All entrees come with house salad, fresh vegetables (except Vegetarian), ice cream, rolls, and coffee or tea.

* Entree costs do not include desserts (other than ice cream) and well drinks; they can be ordered separately from the server.

Please mail the lower portion of this page indicating your guest's names (If more than one"), choice(s)), and number of entrée(s) with check made out to **SAM 21 to be received by January 21, 2020 to:**

**Walt Gurney
12767 Homes Drive
Saratoga, CA 95070 - 4016**



Member: _____

Guest: _____

Special Guest(s): _____

<u>Entrée Choice</u>	<u>Member</u>	<u>Guest</u>	<u>Special Guest(s)</u>
Prime Rib	_____	_____	_____
Chicken	_____	_____	_____
Fish	_____	_____	_____
Vegetarian	_____	_____	_____



Proposed Guidelines and Flight Rules for Classes A,B and C Electric LMR

SAM 21 member, **Brian Sargent**, has been gathering flight data and input from various sources in an effort to make participation in at least the 'Electric Limited Motor Run' event more straight forward and understandable for the average modeler, and to provide a more relaxed level of competition for modelers who are more interested in having fun than they are in becoming 'electrical engineers'. The following is his first 'cut'... Your comments are invited at: b.h.sargent@gmail.com or call: **408.656.3662**

Entries shall be an electric powered SAM old timer design having a minimum of **8 oz. per square foot**.

Electric motors may be permanent magnet, brushed, brushless, direct or indirect via gear/belt speed reduction drive. No folding props. Scaling is allowed to a max of 120 inches.

The **three classes** will be:

Class A: minimum wing area of **225** sq. in. to a max of **450** sq. in.

Class B: minimum wing area of **451** sq. in. to a max of **675** sq. in.

Class C: minimum wing area of **676** sq. in. to a max of **1470** sq. in.

The batteries (LiPo) to be used for the 3 classes is a part of this project that is yet TBD.

For now the sizes are:

Class A: 2S1300 mah

Class B: 2S2200 mah (One size battery per class)

Class C: 3S1800 mah

Motor run time is also a TBD but for now it is set at **45 seconds**.

Maximum Flight times will be:

Class A: 7 min

Class B: 8 min (Same flight time as LER class events)

Class C: 9 min

Models shall ROG. Motor run shall be continuous. Scoring will be best 2 of 4 flights.

Reprinted from 2016 September SAM21 Clipper.



SAM MEMBERSHIP AND RENEWAL APPLICATION



Membership Rates:

- 1 Year eCopy SAM Speaks - \$30
- 1 Year Hard Copy SAM Speaks (USA Only) - \$40
- 1 Year Hard Copy SAM Speaks (All other countries) - \$50

New Membership Renewal SAM# _____

Please Print:

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Home Phone: (____) _____ Cell: (____) _____

Email: _____

I agree to abide by the Constitution and Bylaws of the Society of Antique Modelers and uphold the spirit of its Preamble. _____

Members may pay using Paypal at SAM26Walt@gmail.com

** Make All Checks Payable to SAM * All Payments in US Dollars **

Send All Payments to: **Society of Antique Modelers International**
P.O. 73215, Phoenix, AZ 85050

SAM membership can be renewal on-line.

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.

PRESIDENT: Brian Sargent: 15575 Upper Ellen Road, Los Gatos, CA 95033 Tele: 408-656-3662 E-mail: bhsargent@gmail.com
VICE PREZ: Tom Faith: 1132 Roy Avenue San Jose, CA 95125 Tele: 408-267-0645 E-mail: seaspider@att.net
SECRETARY: Alan Peterson: 1115 Seena Avenue Los Altos, CA 94024 Tele: 650-941-6557 E-mail: alansoars@aol.com
TREASURER: Cliff Shekell: 2473 Briarwood Dr. San Jose, Ca. 95125 Tele: 408-269-5065 E-mail: tedbear1@pacbell.net
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COMP. COORDINATOR: Dave Lewis: 2925 Miles Drive Santa Clara, CA 95051 Tele: 408-246-2257 E-mail: lewis966@att.net

Mail Form To Treasurer

Cliff Shekell
2473 Briarwood Drive
San Jose, Ca 95125

SAM 21—2020 Membership Application Form

Check one: NEW MEMBER RETURNING MEMBER
 FULL MEMBER \$40.00 ASSOCIATE MEMBER \$20.00 (Newsletter only)

SAM No. _____ AMA No. _____
 Required for Full membership

Name: _____

Address: _____

City, State, Zip _____

Phone: () _____ Cell: () _____

