



AMOS Februrary 2022 Newsletter

Board Meeting Recap – 7pm 2/2/2021 Zoom Call 7pm

New Business

Discussion:

Topics to take for a motion to the next General meeting;

Approval to mark out an area for possible drone racing to be located at the Southwest corner of the field.

Approval to allow Drone racing practice on a trial basis with further discussion at a later time for events/permanency.

Approval to extend planned road to Heli and Drone track areas.

Approval to move the helipad to a safer location, i.e. further south, as to prevent flying over conex containers and parking areas.

Dave Long to address drone and heli issues at the next General meeting.

Motion/Approval for new web manager, Deena Potier with “Sharkbyte” with monthly cost increase from

\$70 to \$100 monthly. Dave and Andrew will have a further interview with Deena prior to our next General meeting.

Motion/approval to move bottom rail on safety fence from outside to flush with fence line.

Tabled issues from prior meeting

Board approved the removal of the old windsock pole out in the southeast flying field.

Members personal info will not be available upon login to our website membership list to insure privacy.

Contact Andrew if one wishes to have their info on our website.

Dave will provide emails regarding fly-over space/boundaries to members. It shall not be posted on our website.

Trifolds are on their way to the printers and will be distributed to members on or about the third week of February.

The new gate code for 2022 is now in effect and will be provided to all members upon renewal of AMOS 2022 Membership.

Carlos provided information regarding the airspace over our AMOS field. We have no limit in our area though the FAA does have control over 1200 feet.

Carlos has volunteered to accept the committee position of Turbine Jet Safety Officer. He will be confirming all current and future jet waived pilots.

Board members will address business sponsors per events at a future date. Approval of support for "Gi Gi's House of Charity" as one of four charities of four of our major events.

They will attend our next general meeting for further discussions.

General Meeting Recap – 9am 2/12/2021 AMOS field

New Business

Announcement of guest speakers: April Davila from "Gigi's Playhouse", Tommy Rico representing Drone Racing proposal, J R from Sam's RC information on pylon racing.

> Dave proposes to dedicate charities at our upcoming major events. Dave presented "Gigi's House" as one of our prospective charities. April made a moving presentation about "Gigi's Playhouse": an organization that provides services to children, teens, and adults diagnosed with Down Syndrome. April spoke of her lack of finding any learning/assistance programs to aid her own son with D S, so she decided to organize this foundation to help. There are some handouts in the frequency box from Gigi's Playhouse.

More information regarding "Gigi's Playhouse" can be found at:

GiGisPlayhouse.org/Sacramento.

Motion was made to accept Wounded Warrior Project and Gigi's Playhouse as charities for our future major events. The motion was seconded and accepted.

Dave proposed moving the helipad further south for improved safety precautions and a trial period to set up a drone course incorporated with the helipad.

Tommy Rico made a comprehensive and well demonstrated presentation of what drone racing was all about. The drone course would be approximately 100' x 200' in size. Dave has diagrams and temporary markers set up for members to check out. Discussion ensued with the resulting motion to move the helipad and approve a trial period for drone racers.

JR from Sams RC presented information regarding a pylon racing program he is initiating for beginners. He is changing the Bronze level to include those new to pylon racing. He also stated that one does not need to have a dedicated plane to participate. i.e.; one can fly any foamy, nitro, or gas plane one feels comfortable with.

JR will host a workshop on March 13th to introduce newcomers to pylon racing.

AMOS members are welcome to participate.

New web manager

Andrew and Ian have both reached the conclusion that, because our club/membership/activities/etc. have significantly increased, AMOS is in need of a new web manager. Ian has moved on and can no longer serve AMOS.

Andrew has been in contact with Deena from "Shark Bite", who is motivated to take on the position of web manager for AMOS in a more comprehensive manner. This will incur a slight increase in cost, which will be allocated from our operating funds. This will NOT result in any dues increase.

A motion was made, seconded, and accepted to increase the budget to the amount of \$1400 per year to cover the cost. The motion was seconded and accepted.

Membership lists will be available by request to Andrew on an individual basis due to privacy concerns.

Trifolds will be sent in future upon verification of our 3D event with some well known 3D pilots potentially bringing more participants.

Fly over space information is available on our website.

Dave brought up a discussion to consider sponsors for our major events. May involve the sponsors setting up booths at events. Discussion ensued as to whether to keep the vendors within the hobby, or maybe out of the hobby depending on donations. Subject was tabled for the time being.

Carlos will be in charge of turbine jet waiver documentations, verifying all AMOS jet pilots meet all the requirements. Andrew will add turbine waiver to badges of qualified turbine pilots.

Dave stated the need for more training personnel due to Randy and Bob being the only two at the present. Dave also showed that the new flap poles were up.

Dave asked for some assistance in removing trash from the field. If you have some space in your receptacle at home, please help out.

Steve Stanley mentioned the possibility of bringing students to the field for demonstrations.

A Message from your secretary; Please keep in mind, during our monthly general meetings at the field, that the field is closed for one hour to flying activities. Please avoid loud side conversations or running your motors, as this disrupts our club business at hand. It is hard to hear each other as it is. Please feel free to work/setup your gear, but please try to do it quietly. This only takes place for one hour each month.

(even though you should be attending the meeting, which subjects/decisions affect us all.)

January Field Improvements

Done Since Last Meeting: "Round Up" entry drive, parking lots, runway, pits and runway perimeter

Finished prepping new shade structure area with 30 yds of AB and compacted it

Purchased and Installed 6 new poles for shade structures

Installed 8 new safety fence poles for area in front of extended shade area

Removed old Petromat in U-Line area, added 20 yards of AB gravel then reinstalled reusable Petromat

Added and compressed 30 yards of AB gravel which extends the south parking lot 25'

Add mirror, shelf, coat hook and extras in Port-a-Potty

Purchased 12 gallons of Binder for DG Walkway

Added two new 25' telescoping flag poles installed and ready for use

Mowed entry drive, front lawn and runway perimeter

Prepped new Heli-Pad road and laid 40 yard's of AB for access to new Heli-Pad and Drone race track area

Scheduled to do before next meeting:

- Add liquid Binder on Decomposed Granite and compact
- Update new tri-folds for 2022
- Build out new Hell-Pad and Drone Track area
- Weld pockets to 12 poles
- Add “no parking” signs around U-Line Petromat area

The safety bar which is on the runway side will be moved to be inline with the safety fence as the new portion of the safety fence is built.

AMOS Event News;

2022 events will be moving toward a more professional look similar to the Jet event last year. Each event will have a well known expert RC Pilot taking the role of Contest Director which will attract more Modelers to fly in the event.

Two of the best Sanctioned events will be in July – the Helicopter and Giant Scale. Don’t forget your ice-water jugs!!

The Event attendance goal is that there will be around 50 pilots flying and 150 spectators at all sanctioned events.

Should be fun!!

Upcoming Events – First year for Fred Light’s Pattern Contest



AMOS 1st Annual PATTERN CONTEST
April 9, 2022

Classes to be flown:
Club Class
Sportsman
Intermediate
Advanced
Masters
FAI

Contact Fee: \$10. Includes lunch for registered pilots and AMOS embroidered baseball cap. Contest starts at 9am.

Contest Fee is waived for Club Class Pilots. Contestant judging will be used. Current AMA membership required.

Contest registration at www.NSRCA.us
D7 Contest Schedule 2022
www.AMOSRC.com
CD Fred Light 916-899-9239
Flight@mycc1.net

AMOS RC Club 4015 East Cattlett Road Lincoln, CA 95648

The AMOS RC Flying Field is a premiere flying site in Northern California with a 60"x575' runway.

RV parking is available ~ No hookups

AMOS ASSOCIATED MODELERS OF SACRAMENTO, INC.

John S - Seaplane



ASSOCIATED MODELERS OF SACRAMENTO (AMOS) PRESENTS
CAMP FAR WEST 2022

May 18 to May 22

- Entry Fee: \$15 for week or \$10 per day
- Camping Fees: \$32 per Night or \$17 per Day
- Transport to / from water and RV
- Chase boat provided by club
- Plenty of RV Parking (South Peninsula Reserved for event)
- Spectators Welcomed \$17/vehicle (Come on by / Ask Questions)
- Night Flying:
 - o Friday
 - o Saturday
- Food / Drinks
- Boating
- Swimming

Contacts:
John Sorenson (916) 216-0384
Gary Meyer (916) 276-6990
Website: amosrc.com

Notes:
Pilots (AMA Required)
No Beach Landings (Seaplanes Only)

Enter through South Entrance
Tell attendant you are here for the Float Fly
DO NOT PAY AT GATE!
Camp Far West Lake, 9300 McCourtney Rd, Lincoln, CA 95648 (530) 633-0803

AMOSRC Membership Report
March 1st, 2022

Current Membership for March 1st, 2022 (including Honorary Members). - 240

Members that have renewed for 2022. - 198

All those Current Members that have elapsed AMA have been contacted by email.

Andrew C. Wilkins
Membership Chairman

Timing your R/C Gasoline Engine the Easy Way

Adjusting the timing on your R/C Gasoline engine equipped with a Hall Sensor – (Like a DLE) is easier than you think. You can easily set the timing and all you need is a set of calipers and a calculator.

A UN-sharpened pencil or a Wood Dowel will help when checking engine for Top Dead Center.

This system sets the ignition at 28 degrees. There is no advantage to setting the ignition more than 28 degrees on any Gasser engine all this will do is make the engine run hotter increasing the need to cut more into your cowl to let more airflow cool it.

This system is an alternative to the timing wheel which isn't very accurate or available.

1) Remove the spark plug and put in the pencil or Dowel down inside to reach the top of the Piston. Turn the shaft to position of the piston to it's highest point - that's Top Dead Center. There's some play at TDC so you'll have to get in the center of the play for an exact TDC. You can use a UN-sharpened pencil or a Wood Dowl pushed into the spark plug hole to help find TDC as you turn the engine shaft.

When you find TDC you will usually find the Prop hub magnet positioned around the bottom of the engine to the right of the black sensor, so turn the engine over.

There are also TDC gauges that mount into the spark plug hole if you have one lying around.

You can use a small strip of blue masking tape to keep the hub from turning so you don't loose the TDC position. All calculations are in Metric - mm and can be rounded off.

2) Take the caliper and measure the diameter of the Hub the Prop Hub Magnet is on.

On the CRRC Pro 50 engine I measured 34mm. **Multiply 34mm x .244 = 8.30 mm.**

3) Measure from the Center of the Prop Hub Magnet to the closest edge of the Hall Sensor Body, for my Engine this length is 8.30mm as I figured it out in the equation. If the measurement matches, the engines Hall sensor is in the correct position for the engine to fire at 28 Deg before TDC. If not adjust the hall sensor by loosening the two screws on it's mount and move it to the distance you have calculated for your engine. Use LockTite on the screws to keep them from coming loose.



Measure the Hub Diameter
Calculate Distance for 28 deg



Make Sure the Magnet is in the correct position
If not - Adjust the Ignition Pickup

If your measurement doesn't sit exactly in the center of the hub magnet that's okay there's a slight margin for error as the piston will stay at TDC for a small amount of turn of the crankshaft – flat spot.

A few degrees in one direction or the other makes no difference in performance.

Equation - X (Diameter of Your Hub mm) \times .244 = Y
(Distance from magnet center to Hall sensor Edge mm)

.244 comes from the formula $(28 \text{ deg} / 360) \times \text{Pi} (3.14) = .244223$

This method works for most of the popular brand engines like DLE etc. that use a Rcexl type ignition;

Early 3W and ALL DA engines don't use a hall sensor. The Ignition Pickup is an Inductor so this process of setting the timing doesn't work.

The best way to get the ignition adjusted on those models is let the factory do the timing or by ear.

Adjust the Inductor (Large Red Housing) assembly in small amounts then check the change by the sound of the engine. Note Hot or cold running of the engine or RPM's at high throttle and engine vibration to get the adjustment perfect.

On DA engines the motor should run in both extremes of the Inductor adjustment. *You could also use a timing light on DA engines but the shielding on the plug wire would have to be removed.*

Jokes;

Store's Closed!

I went down the street to a 24-hour grocery store. When I got there, the guy was locking the front door. I said, "Hey! The sign says you're open 24 hours." He Said, "Yes, but not in a row!"

Smart Boy

Boy: The principal is so dumb!

Girl: Do you know who I am?

Boy: No...

Girl: I am the principal's daughter!

Boy: Do you know who I am?

Girl: No...

*Boy: Good! *Walks away**

A Blonde Suicide

A blonde really got tired of all blonde jokes and decided to hang herself in the bathroom. As she locked the door, she yelled at her husband, "I'm hanging myself because I'm tired of jokes about us blondes being stupid!"

Her husband broke into the bathroom and saw his wife with a rope tied on her toe. The husband said, "I thought you were hanging yourself." She said, "Yes, I am!" The husband replied, "Usually when people hang themselves, they tie the rope around their neck, so why is yours tied on your toe?" She said, "I tried that, but I couldn't breathe."

Crying Blonde;

A blonde goes to the doctor's and find out she is pregnant with twins. She starts crying and the doctor asks her what's wrong. She replies, "I know who the dad is for one of them but I don't know who the dad is for the other one!"

AMOS Newsletter prepared by: Basil Yousif, Send Newsletter feedback and topic info to basilyousif4405@gmail.com USE - AMOS Newsletter as the Subject for the E-mail