



## AMOS December 2014 Newsletter

### Board Meeting November 3rd, 2014 6:00PM

#### *New Members and visitors.*

*Guests: Kathleen Rives and John Kinne*

- **Board Reports**
  - *President – Steve Snider – absent.*
  - *Vice President – Tracy Trammell Nothing*
  - *Secretary – Marvin Bennett Minutes approved as written*
  - *Treasurers – Gloria Irely - Monthly Report - Updated Cash Flow Projection- Present the 2015 budget to the board. Treasurers Report Showed balances as of 10/31/14 with funds available of \$4279.89. A motion was made by John Sorensen to Pay ½ principal and \$600 interest on the next loan. 2<sup>nd</sup> by Doug Keller . motion passed to pay \$2500 and \$600 interest . The 2015 Budget was passed out and a motion was made by Dean Crump and 2<sup>nd</sup> by Doug Keller to accept. Motion carried.*
  - *Membership – Jim Irely Now up to 212 members*
  - *Safety Officer – John Sorenson No safety issues. Training has gone well. Looking to have a list of trainers for next year.*
  - *Committee Chairman – Jim Hill Had to cancel large scale plane event due to weather. Will not have this year. Trophy's were purchased and will be kept for next year. Xmas dinner is to be on 12/20/14. Would like signups by 12/1 for a count. Flyer out but Jim Irely said he would e-mail out a reminder.*
  - *Newsletter – Basil Yousif Absent*
  - *Field Marshall – Dean Crump-next sweep of spraying the field soon after next mowing.*

- *Past President Doug Keller- Will have TOYS FOR TOTS again this year at the 12/9/14 General Meeting. Everyone that can bring a gift worth at least \$10 for a toy for a tot. Should be unwrapped.*
- *Unfinished business.*

*Bob Reeves- Nominee Chair Person –Update on nominee’s for 2015 board election. Bob passed out a list of candidates for 2015 Officers . An update version will be available for voting at the next General Meeting November 11<sup>th</sup>.A Discussion was held about Proxies and their handling by the Secretary. Jim Hill announced he would not be Committee Chairman next year but Randy Sizemore had indicated he would be interest in doing it.*
- *New Business:*
  - *Ian Shere – Webmaster, should we give him a free 2015 membership to say thank you? Motion made to make him an Honorary member by John Sorenson and 2<sup>nd</sup> by Doug Keller . Motion carried to present at General Membership meeting.*

## **AMOS General Meeting – November 11th, 2014**

### **New Members - Visitors and/or Guests**

1- guest Doug Reid attended the meeting

**President – Steve Snider**

**Recognition of Veterans**

**Field Maintenance Appreciation**

Steve Snider, asked members that are veterans to stand so the membership could give thanks for their service.

John Sorenson reported to the members that 11 acres was mowed at the field .Several members brought out their mowers to help. All went well the field looks great.

### **Unfinished Business**

**Election of 2015 Board members**

**Nominating Committee: Bob Rives, Chairperson – Member recognition**

**Introduction of current Nominees – Bob Rives**

**Nominations from the floor**

**Comments from Nominees**

Bob Rives asked each Nominee to give a brief talk on future plans for each position they were running for. All Nominees complied with their past history of experience.

Steve Snider asked if there were any Nominees to be added to the ballot from the floor none from the floor was added to the list. All that had applied were except

**Add to Ballot: Nomination for “Outstanding Member” for 2014.**

**“Outstanding Member” Was voted on. The results will be announced at the Christmas Dinner, December 20 th**

### **BALLOTS PASSED OUT – VOTING**

Bob Rives, passed out ballots and members voted for their candidate of choice.

The votes were counted by Bob Rives, Jim James, Fred Light and Bob Calvert. The results were given to Steve Snider. The results are as follows: President: John Sorenson, Vice President: Mike Haston, Secretary: Kathleen Rives, Safety Officer: Fred Quartier: Treasurer: Gloria Irej, Membership: James Irej, Contest Coordinator & Public Relation: Richard Cross, Newsletter Editor: Basil Yousif, Field Marshall: John Kinne

**Rockets - Further discussion and vote by the membership to allow or not allow**  
John Sorenson made a motion to allow Rockets to fly at the field. Doug Keller seconded the motion. John gave a brief explanation as to why Rockets should be allowed on the field. Jim Irej disagreed. The motion was passed by a show of hands 19 yes 14 opposed  
Class C-5 will be allowed to fly but must comply with N A R rules.

**Christmas Dinner – December 20th. – Jim Hill**

Jim Hill requested: Members attending the Christmas Dinner send their check by December 1st which is needed for the head count. The dinner will be held at Turkey Creek Country Club. The cost for dinner is \$28.00 per person.

**Board Reports**

**Vice President – Tracy Trammell:** Tracy told the members she will not be running for Vice President in 2015. She has other commitments.

Tracy will be in charge of the Swap Meet held at R.C Country

**Board Meetings – November and December**

Tracy Trammell. Held the November Board Meeting in Steve Snider absent she will also hold the meeting for the December Board meeting

**2015 Budget Committee Presentation – Member Recognition**

Gloria Irej: Treasurer: Thanked the committee for helping her prepare the budget for 2015.

Secretary – Kathleen Rives acting secretary for Marvin Bennett while on vacation.

**Treasurer – Gloria Irej – Treasurer's Report and Projected Cash Flow Analysis**

Gloria passed out copies of the 2015 budget to the members attending the meeting. The budget is in very good standing. Gloria stated it looks like the small loan will be paid off in January.

**Membership – Jim Irej**

**Safety/Training – John Sorenson – Training**

John Sorenson talked about the success of the training program we now have 88 new pilots that completed 310 flights he also received \$260.00 in donations.

**Committee Chairman – Jim Hill**

**Giant Scale Event – Cancellation**

The Event was canceled due to rain. Jim did bring one of the trophies for the members to see that was purchased for the event winners. The trophies will be kept for next year's event.

**Newsletter – Basil Yousif**

Basil is working on the newsletter at this time. Basil, asked if any members would like to add articles to the newsletter to send them to him. He will add them before the newsletter goes to print.

**Field Marshall – Dean Crump**

Dean stated the field looked very good with the grass mowed

**Past President – Doug Keller**

Toys for Tots Doug asked for the toys for Tots be brought to the December meeting The toy box will be dropped off at 6:00 pm and picked up by 8:00 pm \$10.00 is the requested amount for an unwrapped toy for a needy child.

**New Business Motion made by Board to recommend to the membership that Ian Shere be given an Honorary Membership for being the AMOS Webmaster.**

Motion was made by John Sorenson and seconded by Jim Irej the motion was passed.

**Adjourn**

## R/C Helicopters - Is there a chopper in your future!!

A few of the club members are getting into Electric and Nitro Helicopters. A few of us have been flying these for a while. I flew them on the side and never really got into the detailed setup of these complicated machines until recently. I'll start out with some basic information on a few of the popular brands of helicopters and get more detailed about setting them up in later articles.



### Different Types of R/C Helicopters:

Electric - Many brands of electrics are available. Align, Blade and Thunder Tiger are some of the higher quality brands. There are also some Align knock off electric heli's from Hobby King which look attractive but come with many cheap bearings and gears, however the kits can be a good source of spare parts if you have a Align helicopter. If cost is a factor Align makes a basic version of these electric heli's which are still great.

Nitro - Nitro fuel powered heli's have been around longer than electrics. Many of the older models like Kyosho, Hirobo and Nexis have been discontinued. Some discontinued models like the Thunder Tiger 30 / 50 were so popular all over the world that there are still loads of cheap replacement parts for them. Many companies other than Thunder Tiger make replacement parts for them. You can put one together from aftermarket parts.

Align has a great lineup of Nitro helicopters with their 550 - .30 size, 600 - .50 size and their 700 - .60 - .90 size models. Arguably the best but pricy.

O.S. Engines takes the prize for the best Nitro engines to use in Nitro Heli's.

The difference is their carburetor. Other brands use a standard airplane carb slightly modified but O.S. uses a well designed carburetor only for helicopters.

Gasoline Engines - Both OS and Zenoah are making engines that run on regular gasoline for helicopters. Helicopter World has a kit that gives you everything you need to convert a Align 600 into a gasser for \$450 with the Zenoah G231E 3D Expert Engine.

OS Engines GT15HZ - 15cc engine that looks similar to their Nitro engines.

I have been trying to get info on how much modification they need to go into a standard 60 or 90 size heli but OS techs don't know anything about how to install these in specific kits. They do use the Cm-6 spark plug which is good.

Down side - Adding the weight of the ignition module and an extra battery to power it. Helicopters that use these new gasoline engines are very expensive and crashing could cost you a fortune for repairs. When these engines can fit into cheap heli's directly replacing the standard Nitro engine that would be a good advancement.

Upside - Cheap fuel - a .90 size heli can go through a \$30 gallon easy in a short period of flying. Gasoline is also more efficeint than Nitro - a 600cc tank will fly the heli for 60 minutes!! cost \$1 vs \$30. Wow Just don't crash!!!

Tail Drive system - Belt or Torque Rod - There's been some debate on this issue. The tail rotor blades can be driven by a rod running through the tail boom turned by gears or by a belt running from the main shaft pully to a pully on the rear tail gear train.

Some 3D heli flyers say the Torque rod gives a more direct and precise tail rotor speed with less drag but others can't tell the difference and say the belt is just as good.

The Torque rod which runs through the tail boom and can easily be damaged in a crash much easier than a belt since the belt is flexible. Also the rear rotor assembly / housing can be get damaged much easier when using a rod since it has no give in a crash, should the tail hit first. Try finding all those costly bearings after a crash! Models that use the belt system are usually cheaper in cost. The belt driven models are a must for beginners.

Metal parts vs Plastic - Metal Rotor head and other part upgrades are much more expensive than stock plastic parts that come on many models. The Metal is rigid and gives a smoother operation for higher end helicopters. The plastic parts are more flexible which can lead to more vibration but are much cheaper to replace. Beginers should go with more plastic parts on the helicopter.

Parts- when flying these helicopters you'll need to get parts. Crashing them is common and you'll need to keep replacment parts like Rotor Blades tail booms, shafts and and many other popular parts that get destroyed. Before buying a helicopter check on how available and cheap parts are for that model. Nitro Heli's that are belt driven can be cheaper to repair than some electric models. The Nitro motor almost never get's damaged in a crash. Bearings do okey unless they get thrown where you can't find them. Plastic frames are much cheaper than carbon fiber.

In a very bad crash you might find its cheaper to buy a complete used heli on ebay than ordering seprate parts. Check the popularity of your Heli by looking for used models.

### **There's some good tutorial websites for flying and setting up your chopper:**

R/C Helicopter Flight School:

<http://www.chadrg.com/flightschool/>

### **Setup information:**

<http://www.rchelicopterfun.com/rc-helicopter-gyro.html>

<http://www.raptortechnique.com/index-raptor.html>

Youtube Heli Setup Videos:

<https://www.youtube.com/watch?v=wc9TDIPR3uU&app=desktop>

## New Product Review

# A38 OHC Model Gas Engine For Airplane



This four stroke gasoline engine for 30cc size models is really interesting. It would look great in a scale Biplane with the exposed valves. The motor is only available overseas in Australia and England right now but it does sell on Ebay for \$450 shipped through a reliable seller. The engine is manufactured in china by a branch of the NGH company. It has just started being produced around 8 months ago.

With the Cams out in the open you won't have any problem easily adjusting and oiling them. The mounting is a standoff style and not a flange style. Good for the ESM Warbirds.

It's carburetor runs off the side which is better for some planes but not so good for others. The cam train is belt driven instead of rod driven. The crank shaft is also supported by two bearings one in the front and one in the rear where it exits to turn the timing wheel. This should make for a longer wearing engine that runs smoother.

**Displacement (cc): 37.7cc**

•Bore x stroke (mm): 40 x 30

•Compression ratio: 8.8:1

•Maximum output: 1.5kw / 7000rpm

•RPM Range: 2000-7000RPM

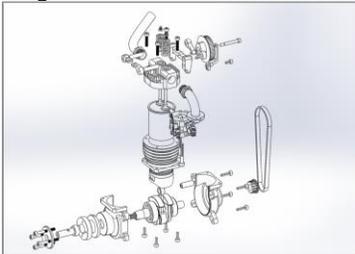
•Ignition: Rcexl 4.8V - 8.4V

•Spark plug type: CM6

•Weight: Engine 1.275kg, CDI 0.1kg - around 3 pounds with all components

•Recommended propellers: 19 x 10 to 20 x 10 (two blades); 16 x 8 to 17 x 10 (3-blade)

<https://www.facebook.com/A38OHC>



## **Jokes:**

### **The Bridge;**

A priest and pastor from the local parishes are standing by the side of the road holding up a sign that reads, "The End is Near! Turn yourself around now before it's too late!" They planned to hold up the sign to each passing car.

"Leave us alone you religious nuts!" yelled the first driver as he sped by.

From around the curve they heard screeching tires and a big splash.

"Do you think," said one clergy to the other,

"we should just put up a sign that says 'Bridge Out' instead?"

### **Sue me!!**

Noticing a mistake in St. Peter's roster, God calls Satan; "It seems you accidentally received some of my professionals down there: a teacher, a doctor and a farmer."

"Yeah," Satan replies. "All the more for me!"

God replies, "You better send them up here immediately."

Satan says, "No way. I'm keeping them."

God says, "Send them up here, or I'll sue the horns right off you."

Satan laughs uproariously, "Yeah, right. And just where are YOU going to get a lawyer?"

### **The Frog:**

A frog goes to a fortune teller and asks if he is going meet a young girl.

The psychic tells him, "Yes, you are."

The frog replies, "Where? In a bar or at a party?"

The psychic says, "In biology class."

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