

QUEENSLAND ULTRALIGHT ASSOCIATION

NOVEMBER 2005 NEWSLETTER

Watts Bridge Memorial Airfield, Silverleaves Road via Toogoolawah, Qld

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MONDAY NOV 7th QUA MEETING

Special guest is John Walmsley, CFI of Coominya Flight Training. John is presenting a talk and discussion on the new airspace and non towered airport procedures that come into practice from 24th December 2005. This is a good opportunity to come and ask any questions about training or procedural matters that are relevant to the operation of our aircraft. Supper will also be provided, thanks to Robin. Meeting commences at 07.30pm at the SAAA clubroom, Beatty Road, Archerfield.

QUA CHRISTMAS PARTY

Monday evening the 5th December 2005
from 07.00 pm on at the SAAA club room.
Special guest is Bill Finlen who will give a
talk on his solo around the world tour in his
V-tail Beechcraft Bonanza in April 2002.
More details provided at the next meeting on
Monday 7th of November.

AIRCRAFT OF THE MONTH

The JDT Hi-MAX Line



Here's a sure formula for a winning airplane. Take one or more parts from an already proven design, add a few parts for creature comfort and/or customer preferences, mix together with a solid team and you have a sure-fire winner!

A wrap-around windshield of Lexan makes for excellent visibility and comfortable flying. Optional windows are removable for open-air flying in the summer. For power we recommend a Rotax 447, or any engine up to 45 hp.

Wood was chosen as the basic building material. It is easy to work with, dependable in its strength characteristics, and is not bothered by the vibrations associated with 2-cycle engines.

Construction techniques are of the old-fashioned, tried and true wood truss and plywood gusset method. It is very simple, and builds quickly.

If you have ever built a balsa-wood model airplane, you have the experience required to build this "full-scale" model! While construction time will vary from builder to builder, approximately 300 hours is the average.

The Hi-MAX design is available in the configuration shown below. Click on the link below to see specifications and kit prices for the Hi-Max 1700R.



Making the Dream Come True!

AIRCRAFT OF THE MONTH

JDT HIMAX and MINIMAX



The JDT range of single seat homebuilt aircraft, designed by Wayne Ison, date back to the mid 1980's. The range includes the mid wing MiniMax and the high wing Himax which share a common fuselage and wing structure. For the homebuilder several choices are available such as plans only, partial component kits to full kits at reasonable costs. Engines up to 45 horse power are suitable and range from Rotax 277 to 503, Zenoah to VW 1600.

As these are small single seat aircraft that have average wing spans of 25 feet and fuselage lengths of 16 feet, construction can easily take place in the average garage. With locally purchased materials costs can be kept to a minimum until items such as an engine, propellor and instruments are required. In Australia several of these aircraft have been completed whilst two Himax's are under construction locally by QUA members. For those who enjoy precise woodwork and later flying the lighter aircraft this can be enjoyable.



New QUA member Tony Wright is on the left with some of the components he has assembled from a kit supplied by JDT Aircraft. Tony has already constructed the wings, tail surfaces and is now working on the fuselage for his Himax which will be powered by a Rotax 477 engine. Performance expected is a cruise speed of 60 knots, climb rate of 900 feet per minute and a takeoff roll of 35 metres. Tony has also prepared an excellent web site with many photographs of the construction stages.

The Himax fuselage on the right has been constructed by QUA members Malcolm McKenzie and Bryan Schollum using locally purchased hoop pine timber and plywood. The project is being built from plans only with the wings needing to be assembled prior to fitout and covering. The engine to be fitted is also a Rotax 477 with a timber propellor supplied by Dick Sweetapple. Construction progresses as time allows and has been spread over several years. Tony's web page can be viewed at www.tonywright.netfirms.com More details on the JDT Aircraft range and specifications are available on www.jdtmini-max.com



Shop Glossary

(thanks to Chris Ostlind)

DRILL PRESS: A tall upright machine useful for suddenly snatching flat metal bar stock out of your hands so that it smacks you in the chest and flings your beer across the room, splattering it against that freshly painted airplane part you were drying.

WIRE WHEEL: Cleans paint off bolts and then throws them somewhere under the workbench with the speed of light. Also removes fingerprint whorls and hard-earned guitar calluses in about the time it takes you to say, "Ouch...."

ELECTRIC HAND DRILL: Normally used for spinning pop rivets in their holes until you die of old age.

PLIERS: Used to round off bolt heads.

HACKSAW: One of a family of cutting tools built on the Ouija board principle. It transforms human energy into a crooked, unpredictable motion, and the more you attempt to influence its course, the more dismal your future becomes.

WISE-GRIPS: Used to round off bolt heads. If nothing else is available, they can also be used to transfer intense welding heat to the palm of your hand.

OXYACETYLENE TORCH: Used almost entirely for lighting various flammable objects in your shop on fire. Also handy for igniting the grease inside the wheel hub you want the bearing race out of.

WHITWORTH SOCKETS: Once used for working on older British cars and motorcycles, they are now used mainly for impersonating that 9/16 or 1/2 socket you've been searching for the last 15 minutes.

HYDRAULIC FLOOR JACK: Used for lowering an automobile to the ground after you have installed your new disk brake pads, trapping the jack handle firmly under the bumper.

EIGHT-FOOT LONG DOUGLAS FIR 2X4: Used for levering an automobile upward off a hydraulic jack handle.

TWEEZERS: A tool for removing wood splinters.

PHONE: Tool for calling your neighbour to see if he has another hydraulic floor jack.

SNAP-ON GASKET SCRAPER: Theoretically useful as a sandwich tool for spreading mayonnaise; used mainly for getting dogdoo off your boot.

E-Z OUT BOLT AND STUD EXTRACTOR: A tool ten times harder than any known drill bit that snaps off in bolt holes you couldn't use anyway.

TWO-TON ENGINE HOIST: A tool for testing the tensile strength on everything you forgot to disconnect.

CRAFTSMAN 1/2 x 16-INCH SCREWDRIVER: A large prybar that inexplicably has an accurately machined screwdriver tip on the end opposite the handle.

AVIATION METAL SNIPS: See hacksaw

Shop Glossary

Continued

TROUBLE LIGHT: The home mechanic's own tanning booth. Sometimes called a drop light, it is a good source of vitamin D, "the sunshine vitamin," which is not otherwise found under cars at night. Health benefits aside, it's main purpose is to consume 40-watt light bulbs at about the same rate that 105-mm howitzer shells might be used during, say, the first few hours of the Battle of the Bulge. More often dark than light, its name is somewhat misleading.

PHILLIPS SCREWDRIVER: Normally used to stab the lids of old-style paper-and-tin oil cans and splash oil on your shirt; but can also be used, as the name implies, to strip out Phillips screw heads.

AIR COMPRESSOR: A machine that takes energy produced in a coal-burning power plant 200 miles away and transforms it into compressed air that travels by hose to a Chicago Pneumatic impact wrench that grips rusty bolts last over tightened 58 years ago by someone at ERCO, and neatly rounds off their heads.

PRY BAR: A tool used to crumple the metal surrounding that clip or bracket you needed to remove in order to replace a 50¢ part.

HOSE CUTTER: A tool used to cut hoses too short.

HAMMER: Originally employed as a weapon of war, the hammer nowadays is used as a kind of divining rod to locate the most expensive parts not far from the object we are trying to hit.

MECHANIC'S KNIFE: Used to open and slice through the contents of cardboard cartons delivered to your front door; works particularly well on contents such as seats, vinyl records, liquids in plastic bottles, collector magazines, refund checks, and rubber or plastic parts.

EXPLETIVE: A balm, usually applied verbally in hindsight, which somehow eases those pains and indignities following our every deficiency in foresight.



Another Australian plans build Himax that is owned by Bryan Blake of Jaspers Brush in New South Wales. This Himax was build by Barry Ball of Gympie and is powered by a Global four stroke engine. It was to be hangared at Watts Bridge but went south when the current owner returned to NSW. With the increasing cost of petrol, the economical four stroke engine has its attractions, even though the climb rate is less.

QUEENSLAND ULTRALIGHT ASSOCIATION
MINUTES OF OCTOBER GENERAL MEETING

MEETING OPENED	07.55 pm
APOLOGIES	Richard Sweetapple, Mike Smith, Bryan Schollum
VISITORS	Robyn Salisbury, Alice Beven and Lynn Dryden
MINUTES OF PREVIOUS MEETING	MOVED Gavin McGrath SECONDED Bert Purcell CARRIED
TREASURERS REPORT	BANK BALANCE \$18,830.00 New account with NAB has \$15,000.00 earning 5.2% per annum.
SECRETARIES REPORT	No Correspondence
SOCIAL DIRECTORS REPORT	Christmas Party date set for Monday 5 th of December 2005. Catering arranged by Robin Salisbury.
RAAus REPORT	Board member Beven Dryden spoke of the current situation with the RAAus ASSIC Card – approval for issue by RAAus for all members. Checks to be done in house at minimum cost. Membership fees can be paid two years in advance. Average age is 58 years. RAAus constitution changes carried. LSA 21 regulations to be released at the end of October 2005. This is another new category that the RAAus might be able to manage if 95.25 is amended to increase gross weight to 600 kilograms. Implications are that pilots might be able to use RAAus certificate to fly LSA aircraft.
GENERAL BUSINESS	Christmas party on 5 th December discussed briefly. Robin to organise catering. Idea for a theme night put forward by Glenda drew no interest. Swap meet at Heck Field mentioned
MANY THANKS	to Robyn for preparing the supper.
MEETING CLOSED	08.51 pm

SOCIAL CALENDAR

- November 6th Wedderburn, NSW. Annual Open Day. Avgas, food, drink available. Various displays. Limited accomodation. Contact Lindsay Sinclair at 02-46264959(a/h) or check www.wedderburnairstrip.com.au for more details.
- November 7th QUA general meeting at the SAAA clubroom at Archerfield Aerodrome from 07.30 pm. Special guest is John Walmsley.
- November 19th Orange, NSW. OAC Orange Airport Open Day. Contact Mike Robertson at 02-63655211 or check www.orangeaeroclub.netwit.net.au for more details
- December 4th Christmas Party to be held by the Gold Coast Sports Flying Club Inc. at Heckfield at Jacobs Well.
- December 5th QUA Christmas Party at the SAAA Clubroom, Archerfield Details to be advised. Special guest speaker is Bill Finlen who will give a talk on his adventures when flying his Bonanza solo around the world.
- Dec 30th – Jan 2nd The Great Eastern Fly-in at Evans Head NSW. No rego or landing fees. Activities planned over the four days. Contact is Gai Taylor on 02-66215592.
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TWO PILOTS:

The cabin door opens. Two men dressed in Pilots' uniforms walk up the aisle. Both are wearing dark glasses, one is using a guide dog, and the other is tapping his way along the aisle with a cane. Nervous laughter spreads through the cabin, but the men enter the cockpit, the door closes, and the engines start up.

The passengers begin glancing nervously around, searching for some sign that this is just a little practical joke. None is forthcoming. The plane moves faster and faster down the runway, and the people sitting in the window seats realize they're headed straight for the water at the edge of the airport.

As it begins to look as though the plane will plough into the water, panicked screams fill the cabin. At that moment, the plane lifts smoothly into the air. The passengers relax and laugh a little sheepishly, and soon all retreat into their magazines, secure in the knowledge that the plane is in good hands.

In the cockpit, one of the blind pilots turns to the other and says, "You know, Bob, one of these days, they're gonna scream too late and we're all gonna die."

AIRCRAFT FOR SALE



MUSTANG P51B Amateur built 2/3rd scale standoff replica.

Cruise 90 Knots, Stall 40 Knots. Powered by a Rotax 503 - 52 HP, DCDI, E Type Gear box. Electric start complete with muffler and propeller. Instruments include ASI, Altimeter, Slip/Skid, Compass, Rotax Tachometer, Dual EGT, CHT, Hour Meter and Voltmeter. Fitted with Powermate Regulator and Battery. Engine and Airframe 105 Hours. Excellent condition.
Price \$20,000 complete or \$15,500 without engine, propeller and muffler. Aircraft was flown regularly until 3 years ago (deceased estate).
Contact Richard on (07) 3818-1988AH or 0412-317-754



JILLAROO 95.10 Ultralight complete with purpose built trailer.

Cruise 75Knots, Stall 28 Knots. Powered by a Rotax 503 - 52 HP, DCDI, B Type Gear box. Pull start complete with muffler and propeller. Engine 240 Hours. Very good condition. Instruments include ASI, Altimeter, Compass, Rotax Tachometer, Dual EGT, and CHT. Airframe 750 Hours. Fair condition, needs a little TLC.
Price \$6,200 complete or \$2,600 without engine, propeller and muffler. Aircraft was flown regularly until 3 years ago (deceased estate).
Contact Richard on (07) 3818-1988AH or 0412-317-754

NEW PROCEDURES FOR NON-TOWERED AIRFIELDS

To be introduced on 24th December 2005 are new procedures at non-towered airfields to provide simple, standardised methods of operation for all aircraft. These procedures include radio procedures, circuit operations, approach and departure procedures. An information pack with a booklet and a DVD has been sent to all pilots. Further information is available on the Department of Transport and Regional services website www.dotars.gov.au/airspacereform or 1800007024.

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