

Meeting Report - January 9, 2019

<u>Item</u>	<u>Discussion</u>	<u>Action</u>
Meeting called to order	<ul style="list-style-type: none"> by President Chris Brownhill at 7:40 pm. 	
Attendance	<ul style="list-style-type: none"> 10 members and guests were present. 	
Minutes	<ul style="list-style-type: none"> Acceptance of the minutes of the December, 2018 meeting - as published on the BBMFC web-site - was moved by Chris Hubbard and seconded by Bill Bowmer - carried. 	
Financial report	<ul style="list-style-type: none"> Treasurer Paul Emmerson reported that the Club's coffers stand at \$2,846.84. Acceptance of the Treasurer's report was moved by Stuart Henderson and seconded by Keith Morgan - carried. 	
Club Business		
January 1 Fun-fly	<ul style="list-style-type: none"> Chris reported that the Jan 1 Fun-fly was successful - about 25 flights were completed in "reasonable" weather and field conditions (given the time of year) with only 1 (minor) prang due to the breeze. 	
2019 Contest schedule	<ul style="list-style-type: none"> The LA .15 Scale Racing and Scale (Profile Scale, Fun Scale) contest proposed for July 6,7 2019 will be held as planned as it has been confirmed that there would be no conflict with the AMA Nationals. 	
2019 Event Permits	<ul style="list-style-type: none"> Chris Brownhill is preparing the various event-related field permits required for the 2019 contest season. 	
Contest stopwatches	<ul style="list-style-type: none"> Chris Brownhill indicated that the Club was in need of 3 additional stopwatches to cover the various contest requirements. Keith Morgan moved and Stuart Henderson seconded a motion that Chris should investigate and purchase same - carried. 	Chris to purchase 3 stopwatches for the Club
New MAAC Control-line Chairman	<ul style="list-style-type: none"> Chris announced that Paul Gibault had been elected as the new Control-line Chairman. 	
Indoor Flying	<ul style="list-style-type: none"> Paul Emmerson reminded the members that the gymnasium had been rented this Saturday, January 12, between 7:45 and 8:45 for indoor (rubber, electric) flying 	
1/2A event	<ul style="list-style-type: none"> Keith Morgan proposed a 1/2A Fun Fly (Musciano, scale, etc.) be held this summer. 	

Collectibles for sale	<ul style="list-style-type: none"> Chris Hubbard announced that an acquaintance was selling some rare vintage engines (two McCoy 0.60 speed engines, Ross opposed-twin 0.60, Dooling 0.29 speed engine - all new and boxed). Those interested should contact Chris Hubbard. 	
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Adjournment

	<ul style="list-style-type: none"> Meeting adjournment was moved at 8:10 pm by Stewart Henderson and seconded by Keith Morgan - carried. 	
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Special feature - Heli Hula

- The annual "Heli Hula" contest was held with Keith Morgan supplying the hula hoop "contraption". Paul Emmerson kindly undertook the timing duties.
- The contest was fun - flights were competitive and the peanut gallery was "active".
- Flight times covered take-off from the "helipad", a forward pass through the "hoop", continuing to the "turning line", a return pass through the "hoop", to a landing in the "helipad"
- The recorded flight times were as follows:

	Flight 1 (sec)	Flight 2 (sec)	Flight 3 (sec)	Best flight
Keith Morgan	51.1	23.6	33.8	23.6*
Chris Hubbard	109.4	101.6	121.7	101.6 (5)
Chris Brownhill	60.9	40.4	-	40.4 (2)
Stuart Henderson	DNF	-	-	-
Janek Zalewski	DNF	77.8	49.8	49.8 (3)
Allan Diamond	37.1	41.3	-	37.1 (1)
Rob Pringle	60.1	54.3	63.6	54.3 (4)

* Keith

Morgan graciously withdrew from the awards, claiming an "unfair" advantage due to his ability to practise with the hoop and given his previous winning results.

- The winners, presented certificates by Contest Coordinator Keith Morgan, were:

1. Allan Diamond



Allan Diamond's helicopter fired (with partial success) a quartet of missiles (didn't hit anything but the floor).

2. Chris Brownhill



3. Janek Zalewski



Stuart Henderson was crowned unofficial "free flight" champ (by default) as he hand-launched an unpowered, mostly-uncontrolled "sorta-dinosaur-thingee" through the hoop (picture unfortunately not available).

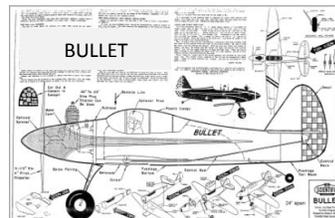
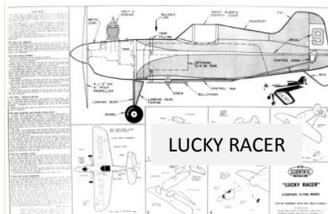
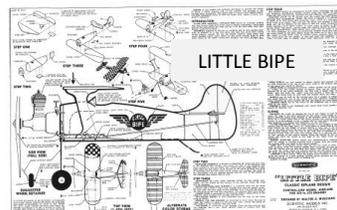
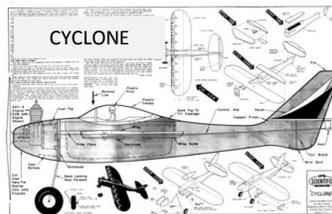
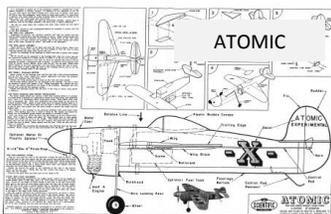


Special feature - Musciano modelling

- Keith Morgan suggested at this meeting that we consider 1/2A events such as Musciano and scale. We have briefly tried both - perhaps the participation could be a little higher this time around - these events are fun and take us back to the nostalgia of our (long-distant for many of us) youth. Back to the basics - the challenges often involving "simple" things like getting the engine(s) started and keeping it(them) running, achieving a successful takeoff, extending the flight to at least 10 laps, doing something that looks like a wing-over, actually being able to achieve something that remotely resembles a conventional landing (without flipping).....
- You may remember the hollow-log designs from those one-page Scientific magazine ads that appeared in 1970's (and likely earlier) magazines such as Flying Models, Model Airplane News, and American Aircraft Modeller - I remember devouring these ads in the local library's copies of these magazines - trying to decide which one I would choose if I could get one (in my dreams!). I ended up with a Goldberg Li'l Wizard instead.
- The Musciano contest documentation includes rules for 3 events (rat race, speed, and stunt) and a 4th event, craftsmanship and appearance which must be entered with a plane that has flown in one of the other 3 events. The rat race event, somewhat similar to our .15 LA racing, might be a little iffy - it is hard enough to keep these planes out on the end of 35' lines in even a slight wind without a little "dancing" - imagine having 2-3 fliers "dancing" while trying to avoid fouling each other and avoiding line tangles - Hmmmmmm. However, the stunt event (somewhat comparable to beginner's stunt) and the speed event sound like fun.
- The Musciano rules, available on-line, include a list of permissible designs (the former Scientific "hollow-log" kit designs) and a list of permissible engines which includes the ubiquitous Cox Babe Bee, Golden Bee, Black Widow, and 290 (product) engines, among others.
- I have reproduced the list of about 70 permissible designs below - note that the "**Baby Stuntmaster**" has a built-up rather than hollow-log fuselage and would not be eligible. Also, the Bel Air may not be eligible since it has a hollow wing and internal lead-outs. The original Scientific plans for at least 50% of these are available on-line at the Outerzone or Aerofred websites or on various modelling forums. I have electronic versions for the plans on the list marked with an asterisk (*) so if you want any of these, email me at rpringle1028@rogers.com . I have also included some reduced-size plan reproductions below - I am sure you can imagine what the "scale" plans look like so I have included pictures of some of the non-scale plans. Note that the plans typically include a full-size fuselage profile but only a small-size top view from which you can scale up the wing and stab outlines using the fuselage length to establish the scaling factor.
- The designs include some with sheet wings and some with airfoiled wings - comparable to the airfoiled sheet balsa you used to be able to buy (actually Sig still sells them). The fuselages can be laminated together from about 3 strategically-cut pieces of 3/8" sheet. Some of the plans show metal cowls and some plastic cowls (cowls of value mainly for the craftsmanship and appearance event). I have made an aluminum cowl over a carved wooden form with .015 aluminum shim stock and 00-90 model railroad machine screws. Plastic cowls (and canopies) might be doable with an (empty) P.E.T. bottle, a wooden form, and a heat gun. Some of the designs might fare better for stunt and some for speed. The list includes low-wing, mid-wing, and high-wing monoplanes, biplanes, a triplane, an autogyro and two "sorta-missiles".

List of permissible Musciano "hollow-log" designs (I can supply electronic versions of those marked with an *)

1. AERONCA SEDAN	25. F-94C STARFIRE *	49. PIPER CUB SEAPLANE/SCOUT
2. AIR CHAMP *	26. GEE BEE SPORTSTER *	50. PIPER CUB SPECIAL
3. AIRCOUPE	27. GOLDEN HAWK	51. PIPER CUB TRAINER
4. ARMY RACER	28. LITTLE MUSTANG, WWII FIGHTER	52. PIPER TRI-PACER *
5. ATOMIC X *	29. SUPERSONIC MISSILE	53. RED DEVIL
6. BEECHCRAFT T-34 *	30. KELLET AUTOGIRO *	54. RED FLASH
7. BEECHCRAFT BONANZA *	31. CESSNA BIRD DOG	55. P-47 THUNDERBOLT *
8. BEECHCRAFT 17	32. LITTLE ACE	56. RYAN PT-16 TRAINER
9. BEL AIR *	33. LITTLE BIPE *	57. BRITISH S.E. 5
10. BOEING F4B-4 *	34. LITTLE DEVIL	58. SNARK GUIDED MISSILE
11. BOEING P-26A *	35. LITTLE MERCURY	59. SPIRIT OF ST. LOUIS
12. BULLET *	36. LITTLE MUSTANG	60. STINSON RELIANT
13. CESSNA 170	37. LITTLE SABRE *	61. STINSON VOYAGER
14. CESSNA 172 *	38. LITTLE STINKER *	62. STITTS PLAYBOY
15. CESSNA 180 *	39. LUCKY RACER *	63. STUKA DIVE BOMBER
16. COMBAT MASTER *	40. MESSERSCHMITT (109) *	64. STUNT MASTER
17. CURTIS HAWK P6-E *	41. MONOCOUE 90A	65. F-100 SUPER SABRE *
18. CURTISS HELLDIVER *	42. MR. MULLIGAN	66. THUNDERBIRD *
19. CYCLONE *	43. F-51 MUSTANG	67. F-82 TWIN MUSTANG*
20. DOUGLAS B-66 JET BOMBER *	44. NORTH AMERICAN AT-6 TEXAN *	68. F7U CUTLASS*
21. CESSNA 182 TRI-CYCLE	45. P-40 FLYING TIGER *	69. WACO CABIN
22. FLIGHT MASTER	46. PIPER COMANCHE *	70. YELLOW BIRD
23. FOKKER TRIPLANE *	47. PIPER CUB (AMBLNC/RESCUE)	71. ZIG ZAG
24. FORD FLIVVER *	48. PIPER CUB CRUISER	



An old Scientific ad:

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Gas Powered Models for Small 1/2A Engines .010 to .074.

		
Kit 95 PIPER CUB-TRAINER. 18" Carved body, shaped wing... \$2.95	Kit 140 BIG OTTO. 24" Great Com- bat Flyer \$3.95	Kit 60 STUKA DIVE BOMBER. 18" Carved body, shaped wing ... \$3.95
		
Kit 54 CESSNA "182" TRI-CYCLE. 18" Carved body, shpd wing \$3.95	Kit 92 P-40 WARHAWK. 21" Bilt-up wing, formed cowl \$3.95	Kit 6 CESSNA BIRD DOG. 18" Carved body, shaped wing \$3.95
		
Kit 149 RED TIGER P-40. 19" Bilt- up wing, formed cowl \$2.95	Kit 7 CESSNA "180". 18" Carved body, shaped wing \$3.95	Kit 25 STUNTMASER. 18" Carved body, shaped wing \$3.95
		
Kit 59 P-40 FLYING TIGER. 18" Carved body, shaped wing .. \$3.95	Kit 8 PIPER CUB CRUISER 18" Carved body, shaped wing ... \$3.95	Kit 50 E-Z TRAINER (Profile). 18" Preshaped balsa wing \$2.95
		
Kit 142 ZIPPER. 19" Bilt-up wing and body, etc. \$2.95	Kit 144 SIZZLIN LIZ. 18" Bilt-up wing and body, etc. \$2.95	Kit 18 LITTLE MUSTANG. 18" Carved body, shaped wing \$3.95
		
Kit 74 MESSERSCHMITT ME-108. 18" Carved body, shpd wing \$3.95	Kit 48 GOLDEN HAWK. 18" Carved body, shaped wing \$3.95	Kit 30 RED DEVIL. 18" Carved body, shaped wing \$3.95
		
Kit 29 LITTLE BIPE. 18" - Carved body and shaped wings \$2.95	Kit 14 PIPER TRI-PACER. 18" Carved body, shaped wing \$3.95	Kit 28 LITTLE DEVIL. 18" Carved body, shaped wing \$2.95
		
Kit 65 ZIG ZAG. 18" Carved body, shaped wing \$2.95	Kit 71 KINGPIN. 50 sq. in. wing Bilt-up wing, formed parts. \$2.95	Kit 53 RED FLASH. 18" Carved body, shaped wing \$2.95