

# Slipstream

October 2006



Well, another month, another Slipstream. It's a bit sparse this month as I haven't had much chance to write any material. Health problems, work and family demands have taken their toll over the past weeks leading me to miss many weekends of flying. Still, that's life! Thanks to all who have contributed something for the magazine and keep it all rolling in.

#### **Volunteering – A great way to meet and learn!**

As a group I think we need to take time out to realize the enormous contribution that people who organize and promote ALL types of SIG flying put in. I know from personal experience that the organizers of each SIG or club event put HEAPS of their own time and financial resources in to keeping these groups flying. It would be great if more of us could put aside some time to help the SIG's run their events – I am sure the Scale, IMAC, Glider, Combat and Pylon groups would agree that any help is better than none and that all offers are welcome! Volunteering can be quite rewarding and is a great way to learn a new discipline and meet KAMS or other club people you may not normally associate with.

#### **Are you payed up?**

A friendly reminder from the committee that if you haven't renewed your KAMS membership you are NOT permitted to fly at KAMS. Even if you are now a member of another AWA affiliate club you are not permitted to fly at KAMS unless you are participating in a club sanctioned event or you have been invited. We have a three vist policy in force so you must join the club to keep flying once your casual visits are exhausted. Members: please make sure your flying guests sign the visitors book. Please see Peter White if you need to know any more.

#### **Editor's job – still up for grabs!**

As I have said in the past I do not intend to edit the Slipstream next year. The magazine will need to be published regardless of who does it (its constitutional) and it is my preference to have a handover period so that there are no surprises for the new incumbent.

Troy Latto  
Editor.

Oh, what a Bewdy..never seen one as big as that before!



This 1/9th scale radio-controlled C-17 model was built in the United Kingdom. To date it has about 20 flights. It took one year to build and is powered with 4 Jetcat P-120 turbines with a total thrust of 108 lbs. The model weighs over 250 lbs fuelled, and carries 12.5 liters (3.3 US gallons) of 95% kerosene and 5% turbine oil fuel. Other details include 5 Futaba PCM receivers, 16 battery packs (93 cells), 20 Futaba servos, on board air compressor, electro/pneumatic retracts, etc. Wingspan is 20 feet 8 inches, and the top of the fin is 74 inches (6 feet 2 inches) above the ground. Takeoff weight is 264 lbs. The rear cargo doors open and they drop an r/c jeep on a pallet, as well as 2 free-fall r/c parachutists. The model also has smoke systems both of the inboard turbines, and uses 2.4 GHz data link to provide real-time data to a laptop computer on the ground while in flight, this data includes airspeed, turbine RPM, EGT, fuel consumption, etc. It is covered in fiberglass and epoxy resin. Built mainly from balsa and ply, with many glass and carbon fiber moldings to reduce weight. Complete with retractable landing gear and pneumatically operated flaps



## FROM THE EXECUTIVE....

### Minutes of KAMS General Meeting held 20.9.2006

Meeting opened at 8.04 with 19 members present.

**Apologies** from Troy Latto, Ian Johnson, Ian Dixon, Graham Hewitt, Tim Kullack, Mark Giggins, Peter White, Mike Crack.

**Visitor:** Welcome given to Peter Jones.

**Minutes of previous meeting** accepted as published. *Moved* Frank Jensen Sec. Chris Jones - CARRIED.

#### Correspondence:

**OUT** to DOCEP, application to change constitution.

To Marsh of WACB, thanks for Noise meter.

**IN** from DOCEP, accepting changes to Constitution. **correspondence** be entered into minutes *moved*, Ross Duncan sec Peter Francis CARRIED

#### Finance:

Opening bal \$21037.61

Income\_ \$4770.00

Expenditure \$3360.60

**Balance c/fwd \$ 22447.01**

**Maxi Direct Acc now at 14909.92**

**Society credit balance 37356.93**

**Financial statement** accepted *moved* Pat Pinder sec Bill Pettigrew CARRIED

#### Calendar:

|          |                         |           |
|----------|-------------------------|-----------|
| 5/10     | Committee meeting       |           |
| 7/10     | Pylon                   | 1-5       |
| 18/10    | General meeting         | 8pm       |
| 21/10    | Gliding                 | 1-5       |
| 22/10    | Warbirds Over Mundijong | 9am       |
| 28-29/10 | Field Maintenance       | Day       |
| 4/11     | Pylon                   | cancelled |
| 12/11    | AWA Power Scramble      | 4-5       |

**Wings:** Bronze for Graham Dorizzi and David Shue – congratulations !

#### General Business:

New member Adam Bassett - junior

\* **Facilities upgrade-** Drawing of current facilities available from Canteen for you to add your suggestions for upgrade. The guidelines are 1.Improved shelter & amenities for members. 2 More parking space for models. 3 Increase of shade area for pits.

\***Warbirds & Vic Longbon Memorial Award-** Ian Johnson reported that the pictures are being framed. One large one for perpetual Award, one small one for winner and another large one to hang in canteen.

\***Entry road near gate in need of repairs.** *Moved* Chris Jones sec Peter Francis that load of metal fines be purchased and spread. CARRIED

\* **2.4Ghz frequency-** used in park fliers and usually fly small circuits & closer to pilots. Will not mix with larger models. After discussion about their own area and freq. control it was decided they be allowed to fly with general flying. *Moved* by Joe Luxford sec Peter Francis that 2.4Ghz a/c be allowed to fly at KAMS field in accordance with MAAA policies and KAMS rules. CARRIED It was agreed that KAMS accepts Peter Mundik's offer to make a 2.4Ghz frequency keyboard to be added to transmitter pound.

Meeting closed at 9.01Next meeting is on 18th October at 8pm.

### MINUTES OF COMMITTEE MEETING HELD 5th OCT

Opened at 7.45 with Neil Giggins, Ken Wansbrough, Peter White, Joe Luxford, Tim Kullack, & Ian Dixon present.

**Wings:** Bronze wings to Philip Morton, Richard Bloor and Nathan Grech

#### Calendar:

|          |  |
|----------|--|
| 18/10    | KAMS Meeting   |
| 21/10    | Gliding 1-5  |
| 22/10    | Wardbirds Over Mundijong 9am                                   |
| 28-29/10 | Field Maintenance  |
| 4/11     | Pylon (cancelled)  |
| 12/11    | Free Flight Scramble & H/L Glider 4-5 (State Event) 18/11 IMAC |
| 26/11    | Gliding State Event  |
| 16/12    | Combat 1-5 AND ALSO Christmas BBQ 4pm onwards                  |

#### General Business:

**New member** Nathan Grech

\* **From last meeting-**improve run- off area and drains each side of field. Assessment of work required, to be made on Sun 8/10

\* **Facilities Upgrade-** Four members have submitted suggestions for the upgrade, however there must be many more members who could offer ideas to improve our facilities. Drawings of our present facilities are available from the canteen for you to add your ideas for improvements. Please do so before the Society meeting on 18/10.

\* **2.4GHz Equipment-**Manufacturers do not advise flying park flyer models together with regular sport R/C aircraft because of the limited range of 2.4Ghz equipment. Only suitable for small park flyers. The motion passed at the last meeting concerning 2.4 GHz equipment was a notice of a motion to be put to the members at the meeting on 18/10.

Meeting closed at 9.05 Next meeting 18th October at 8pm.



**PICTURE PAGES..**

**Esperance Slope Soaring Weekend..**

Several KAMS members went to Esperance on the October long weekend to participate in the Slope racing event. Pics from Joe Luxford...



**Simon Watts (WARS) launches..**



**Clifftop Carpark..**



**Tim Kullack's Estrala at Base A..**



**Whippett on launch..**



**Tim Kullack doing what he does best...**



**Estrala on short final..**

## OCTOBER PYLON REPORT..with “Smokin” Joe Luxford.

The Miniature Pylon Racing Association of WA hosted its first contest at KAMS since the State titles in May on October 7<sup>th</sup>. The weather was excellent and the results were as follows:

| Pilots         | Score | Heat 1 |      |     | Heat 2 |      |        | Heat 3 |      |        | Heat 4 |      |        | Heat 5 |      |     |
|----------------|-------|--------|------|-----|--------|------|--------|--------|------|--------|--------|------|--------|--------|------|-----|
|                |       | Time   | Cuts | Pts | Time   | Cuts | Pts    | Time   | Cuts | Pts    | Time   | Cuts | Pts    | Time   | Cuts | Pts |
| Mark Giggins   | 442   | 105.62 |      | 106 | 107    | 107  | 103.82 | 1      | 114  | 104.61 | 1      | 115  |        |        |      | 0   |
| Keith Willett  | 448   | 123.73 |      | 124 | 109    | 109  | 113.79 |        | 114  | 106.42 |        | 106  | 107.62 | 1      | 118  |     |
| Joe Luxford    | 453   | 107.8  | 1    | 119 | 108    | 108  | 118.3  | 1      | 130  | 108.88 |        | 109  | 106.62 | 1      | 117  |     |
| Troy Latto     | 554   | 112    |      | 112 | 110    | 110  | 110    | 2      | 132  |        |        | 200  |        |        |      | 0   |
| Warren Kullack | 640   | 122    |      | 122 | 118    | 118  |        |        | 200  |        |        | 200  |        |        |      | 0   |
| Vince Belshaw  | 620   | 110    |      | 110 | DNS    | 200  | 110    |        | 110  | DNS    |        | 200  |        |        |      | 0   |
| Matt Pickin    | 706   | 115    | 3    | 200 | 106    | 106  |        |        | 200  |        |        | 200  |        |        |      | 0   |
| Ross Duncan    | 739   | 208    |      | 200 | 141    | 141  | 198    |        | 198  |        |        | 200  |        |        |      | 0   |

### Highlights for the day included:

1. Keith Willett's first sub 110 second time, not once but in three heats to place ahead of both Joe Luxford and Troy Latto for the first time.
2. Ross Duncan completed his first pylon competition in high spirits with an intact Viper.
3. Warren Kullack flew in his first pylon comp with brother Tim's Cheetah and settled straight into the groove until radio trouble shut him down.
3. The Viper is as quick as any of the sport pylon models, including Tim Kullack's YS45 powered Cheetah and Matt Pickin's OX32SX powered Mustang.

The last point is very important here. In the past, the model speeds varied a lot in sport pylon. Now anyone can get a \$200 Viper ARF, bolt on a bog standard OSAX46 or TT46PRO and be competitive once their flying skills are up to speed, as Keith Willett demonstrated at this comp.

Our Viper jocks have some work to make their models look distinctly different, especially on the bottom. The timekeepers struggled to tell the Vipers apart when they were all presenting plain white bottoms to the judges as they went past No. 1 pylon.

The other challenge we have is to get everyone to the comps by 11am so that we can get our comps away on time at 1pm. We need at least two hours to set up, test fly models, have lunch, set the course out and hold the pilot's briefing. We got caught with not only starting late but also having all the usual glitches to fix when using the gear for the first time at KAMS in five months.

The November and December competitions will be held at Wanneroo. KAMS will be sanded at the end of October which precludes its use for pylon.

The other interesting development is in Formula 400. That's serious racing with Nelsons providing the get up and go! Joe Luxford has a new Sumptin Else to replace the model he wrote off at Albury in August. Troy Latto has one of Bruce de Chastel's Loki's, Matt Pickin has Napier Hestons and Vince Belshaw is finishing a Dago Red. We are planning on running regular F400 comps in the New Year once we are back at KAMS.



*Troy Latto holds up the Giggins' Viper for ID*



*The lineup at the SE corner of the field. The Mown area is the new pylon pilot holding zone..*

## Combat at KAMS

A number of people have expressed interested in getting into combat recently.

RC Aerial combat has been flown at KAMS on a formal and informal basis for the past 5 years. The interclub competition that has grown from this nucleus of KAMS members has been going strong for the past 4 years. Combat has evolved over this period to an event which combines survivability, excitement and above all FUN!

The Slow Survivable Combat (SSC) formula limits aircraft speed and increases durability by stipulating that aircraft must use a plain bearing .15 (2.5cc) engine, weigh 2.5 pounds (1.14kg) and use a MAS 8 x 3 prop. RPM limits are set at 17,500.

Several designs have proven popular over the past 3 years:

The **Stubbie Bat** utilises an OS LA15 engine, mini metal geared servos on throttle, elevator and ailerons. This aircraft turns VERY tight due to its short coupled moment and it has excellent straight line speed, making it an ideal all round plane for pursuit or furball style combat. The plastic bat fuselage and nylon covered foam wings are easy to build and very tough. This kit is made locally by Joe Luxford.

The **COBRA** flying wing is a design used by American SSC champion Lee Liddle. It also uses the OS LA15 and metal geared mini servos for dual aileron's and elevator as well as a standard servo for throttle/fuel cutoff. The Cobra's fuel system is based around a length of surgical tube installed in a wing bay and inflated with fuel by a syringe. This pressurised system guarantees consistent engine performance at all flight attitudes. The COBRA is a tight turning beast with a low wing loading which makes it an ideal furball streamer gatherer. This aircraft has twice won the WA State Combat Championship event as well as the points champion trophy. It is imported from the USA and orders can be placed with Troy Latto.

**SPAD** aircraft are popular with newcomers to the combat event. They are built with coroplast and PVC and utilise standard servo's and fuel systems. The SPAD's are VERY fast and have a straight line speed that outclasses many competitors, however they are quite fragile and being rigid framed structures, vibration can be problematic. Also, if not setup properly they can be tricky to handle – a major disadvantage in combat. On the upside, they are VERY cheap and they can be cranked out at a prodigious rate. The SPAD aircraft currently in use in the SSC comp are made by Bob Chitty of Boomerangs.

This photo from the 2005 state titles shows the range of short and long fuselage and flying wing models that all fly well in the competition.



If there is enough interest, we can organise a shed night to cut foam wings and baseball bat fuselages for Stubbie Bats – which fly very well and are just about indestructible.

If you are interested in trying combat, please email me at [luxford@luxford.com.au](mailto:luxford@luxford.com.au) or call on 0419 517096

# WARBIRDS OVER MUNDIJONG



In Memory of Vic Longbon  
1945 - 2006

## K.A.M.S.

10am SUNDAY OCTOBER 22nd 2006

**All WARBIRDS Welcome!**

- SCALE • STAND OFF • FUN SCALE • ARF
- No Contest • No Entry Fee

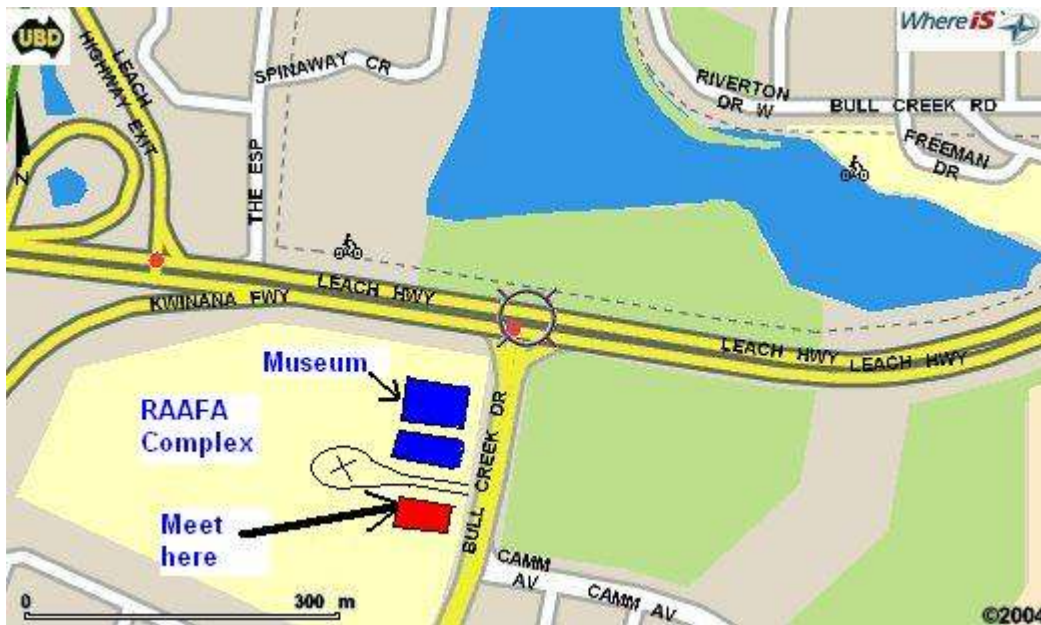
**OPEN TO ALL CURRENT MAAA LICENCE HOLDERS - PROOF REQUIRED.**

**FOR FURTHER DETAILS CONTACT: IAN JOHNSON 9387 8730 OR ROSS DUNCAN 9293 2864**

## An important message to the KAMS Community....

Bored? Sick of the same old stuff on the Telly? Need to take your mind off the humdrum of your daily life? Well, if you want action, laughter, excitement and the company of good people then look no further than the company of your fellow modelers at the Monthly KAMS General Meeting!!!

Its got everything: Drama, angst, humor and above all good fellowship! Come on down to the Airforce Memorial estate on Bullcreek Drive in Bullcreek on the third Wednesday of every month to experience the highs, lows and drama's of what its like to run a large, profitable and successful sporting organization.



**Good food! Free Beer! Dancing Girls!  
Fabulous Prizes to be won!**

(well not really – but they are idea's you are free to express at the meeting!!! We CAN guarantee a free cup of Coffee or Tea and maybe some biscuits...)

Just follow the map and be there at 8.00pm for the best time you can have at a constitutionally sanctioned event!!

This message brought to you by those who are working on your behalf to keep you flying at the best field in the best Aeromodeling club in Western Australia. Why not show them you appreciate it by participating in the operation of YOUR club?

## KAMS Calendar for 2006.

### October

|    |     |                        |            |
|----|-----|------------------------|------------|
| 2  | Mon | Committee Meeting      | 8pm        |
| 7  | Sat | PYLON                  | 1 – 5pm    |
| 18 | Wed | <b>General Meeting</b> | <b>8pm</b> |
| 21 | Sat | GLIDER                 | 1 – 5pm    |
| 22 | Sun | <b>WARBIRDS</b>        | day        |
| 27 | Fri | <b>FIELD MAINT</b>     | <b>day</b> |
| 28 | Sat | <b>FIELD MAINT</b>     | <b>day</b> |
| 29 | Sun | <b>FIELD MAINT</b>     | <b>day</b> |

### November

|    |     |                        |            |
|----|-----|------------------------|------------|
| 6  | Mon | Committee Meeting      | 8pm        |
| 15 | Wed | <b>General Meeting</b> | <b>8pm</b> |
| 12 | Sun | FF SCRAMBLE            | 4 – 5pm    |
| 18 | Sat | IMAC                   | 1 – 5pm    |
| 26 | Sun | GLIDER, STATE          | day        |

### December

|    |     |                        |            |
|----|-----|------------------------|------------|
| 3  | Sun | SCALE RALLY            | day        |
| 4  | Mon | Committee Meeting      | 8pm        |
| 9  | Sat | GLIDER                 | 1 – 5pm    |
| 16 | Sat | COMBAT                 | 1 – 5pm    |
| 16 | Sat | Twilite BBQ/flyin      | 5pm on     |
| 20 | Wed | <b>General Meeting</b> | <b>8pm</b> |

Scale Pix..



*Goochie gets intimate with his Cub..*



*Superb Sukhoi..*

## Trading Post..

One Thunder Tiger Pro-25 motor NEVER USED \$120.00.

### LOST VIDEO

I have a video that someone in KAMS lent me a couple of years ago and I cannot remember who it belongs to.

It's titled RADIO CONTROL FLIGHT ACROSS THE NULLARBOR PLAIN and is a movie about a 420 km flight across the Nullarbor.

If this is your video please contact Chris Jones, Home 9354 4213 or Mob: 0413 707 040.

**Phone: Chris Jones 9354 4213 evenings or 0413 707 040 anytime. 9455 1222 Business hours.**

**Dago Red pylon racer:** Comes with servo's, battery pack YS .45 (pumped) two stroke and aluminum spinner. Proven thoroughbred racing machine molded and constructed by Garry Turna. Just add Receiver and race! **SOLD \$320**

**Prather Little Toni kit:** .15 size, partially built. Comes with plans and hardware. Price includes mvvs.15 two stroke **\$120**

**Skull Bandit Open Combat model:** Comes with Servo's, battery, fuel tank and Webra .32. Just add Receiver **\$180**

**OS .46 FX:** Clapped out, good for spares **SOLD \$30**

**OS .15LA:** 2 to choose from. Good for sport twin project or combat model. **\$40 ea**

**Contact:** Troy Latto 9317 3269 evenings or email [latto@iprimus.com.au](mailto:latto@iprimus.com.au)

### **KAMS Merchandise – Price list and ordering info**

|                    |         |
|--------------------|---------|
| Sleeveless Jackets | \$33.00 |
| Polo Shirts        | \$20.00 |
| Caps               | \$10.00 |
| Broad brim hats    | \$10.00 |
| KAMS Metal badges  | \$3.00  |
| KAMS Cloth patches | \$5.50  |

Delivery will be made at the field when received from the supplier. Delivery time will vary depending on availability of items, sizes etc.

Payment strictly cash on delivery. Time Payment, Credit Card or Lay-by service is not available.

Please print and fill out an order form and return it to the committee so your order can be filled as quickly as possible.

## SPECIAL INTEREST GROUPS

As you may be aware, several special interest groups operate within the KAMS infrastructure. These groups cover a variety of aeromodelling disciplines and welcome enquiries from new and existing KAMS members.

### Contact names:

#### RC Scale

Ken Wansborough

#### RC Pylon Racing

Joe Luxford

#### RC Combat

Joe Luxford

#### RC Glider

Tim Kullack

#### IMAC (aerobatics)

Hans Bertina

#### RC Old Timer and Free Flight

Ian Dixon

#### RC Turbine

Neil Giggins

Gary Turna

## FLIGHT INSTRUCTION

If you are a new member or just need to brush up on some skills, KAMS has a group of qualified instructors that are available to assist you. Please contact your committee members to discuss your training requirements.

## WEBSITE

KAMS now has a website online. Pick up the latest info as well as back issues of Slipstream from:

<http://www.kams.org.au>

## GENERAL MEETINGS

KAMS General Meetings are conducted on the third Wednesday of every month at **The RAAF Association Bullcreek Drive, Bullcreek**. The meeting room is on the left under the Spitfire. Meetings start at 8pm and usually run for an hour. ***All members should aim to attend as many meetings as possible in order to have their say on matters affecting the club.***

## CANTEEN:

Herr Malcolm Retallack (Manager): 0418 943 539

**Hours:** 08:00 – 14:00 Or until members stop buying.

**SLIPSTREAM DEADLINE:** Wednesday prior to monthly meeting. Submissions by email in unformatted text. Pictures un-cropped.

## Your Committee for 2006/2007

**President:** Neil Giggins

Telephone: 08 92932735

Email: [nrg7@ausconnect.net](mailto:nrg7@ausconnect.net)

**Secretary:** Ken Wansborough

Telephone: 08 9291 6327

**Treasurer:** Peter White

Telephone: 08 9456 4800

Email: [PLEVALLEY@bigpond.com.au](mailto:PLEVALLEY@bigpond.com.au)

**Committee Member:** Tim Kullack

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Email: [timk@perthrecruit.com.au](mailto:timk@perthrecruit.com.au)

**Committee Member:** Joe Luxford

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**Committee Member:** Ian Dixon

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**Slipstream Editor/Webmaster:** Troy Latto

Telephone: 08 9317 3269

Email: [latto@iprimus.com.au](mailto:latto@iprimus.com.au)

**Safety Officer:** Herr Malcolm Retallack

Telephone 0418 943 539

Grounds Manager / AWA rep : TBA

Detach this page, fill out the relevant info and return them separately or together to the committee or place in the canteen message box at the flying field.

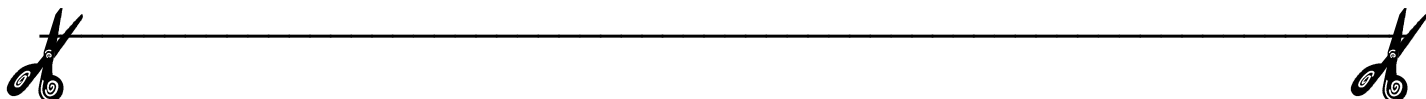


I would like to apply to be an RC Flying Instructor. I am prepared to instruct the following flying disciplines: (please tick as many as you require).

- RC Power
- RC Glider
- RC Helicopter

Name: \_\_\_\_\_ MAAA: \_\_\_\_\_

Committee Member \_\_\_\_\_ Position \_\_\_\_\_ MAAA: \_\_\_\_\_



### KAMS Merchandise Order Form

*Shirt sizes are S,M,L,XL, XXL. Caps are one size fits all. State head circumference in CM for Broad brim hats*

| Item               | Unit Price | Size | Quantity | Sub Total |
|--------------------|------------|------|----------|-----------|
| Shirts             | \$20.00    |      |          |           |
| Caps               | \$10.00    |      |          |           |
| Broad brim hats.   | \$10.00    |      |          |           |
| KAMS Metal badges  | \$3.00     |      |          |           |
| KAMS Cloth patches | \$5.50     |      |          |           |
| Total              |            |      |          |           |

Name \_\_\_\_\_ Contact : \_\_\_\_\_ Date of Order \_\_\_\_\_