

THE

AUGUST 1987

SPORT PARACHUTIST

THE JOURNAL OF THE BRITISH PARACHUTE ASSOCIATION



THOMAS

Sports Equipment



Produced by Roger Groves

Mr. Walter Gubbins I.F.C. in this seasons 'Thomas Tropical Kit' gets his knees together and boogies through South American skies. The large, furry rodent sleeping under his hat was a gift from a grateful Brazilian 2 Way Sequential Team.

Suit by Symbiosis · Make-up by Mandy · Photo by Leo

QUALITY AND RELIABILITY YOU CAN TRUST

It should come as no surprise to find out that we have supplied student freefall rigs (including AFF kit developed by TSE for use in this country), to the majority of British clubs. Of the largest military and civilian centres, APA at Netheravon, RAFSPA at Weston, Slipstream Adventures, Headcom P.C. and Peterborough P.C., all use equipment from TSE for advanced students. If you've just come through the Cat system, the chances are that TSE were helping you progress.

And it doesn't stop there...

At the top of the range, the TSE CHASER still maintains its position as the best-selling state of the art rig in the U.K., with over 1500 now in the possession of some of the country's finest skydivers.

FOLLOW THE LEADERS

The British 4 and 8 way teams don't make decisions lightly concerning new equipment. Nor do the Royal Mannes. Their decision is made based upon sound knowledge and experience. TSE were pleased to supply them with all their requirements.

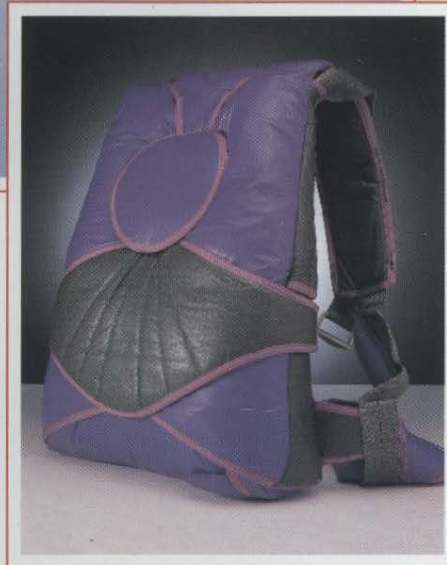


Zerox in Cordura with GQ SAC and Fury main.

SERVICE FROM 'A' TO 'D'

Nineteen years in our sport has provided TSE with a wealth of experience in the development and manufacture of parachute equipment...an enthusiasm and commitment producing THE complete service. A service second to none. This in turn means that you can be confident in the knowledge that with TSE you are using the best available, from that initial PLF through to SCR and beyond...

Staff qualifications are more than impressive. 4 FAA Master Riggers (4 BPA Adv. Rigger/Examiners), with a collective total of over 6000 jumps oversee all aspects of the production, maintenance and repair operation at the loft. Every care is taken to ensure that each rig from TSE meets the highest possible standards, from basic S/L to the most advanced assemblies on today's market.



Leather Chaser with Firelite Reserve and Maverick Main

THE FIGURES

Whilst our quality will never be sacrificed for bargain-basement prices, take a look at our list in this issue and you'll see just how competitive it is. GENUINE affiliation with major U.S. manufacturers together with comprehensive currency handling facilities, enable smooth, cost effective transactions to be made on either side of the Atlantic.

No matter if it's a purchase, repack or repair, TSE will come through with service, quality and a keen price...fast.

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or write/drop in for details and information packs



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Editor's Note

The views of contributors to *The Sport Parachutist* are not necessarily those of the Editor, or of the British Parachute Association, and no liability is accepted for same.

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EDITORIAL

Welcome to the pages of the August '87 issue of *Sport Parachutist*. For those of you who don't remember the days between 1973 and 1981 when I last edited this Journal, the look of these pages may come as something of a cultural shock – but never fear, I have only agreed to do the job until a new permanent editor can be found or until the end of this year, whichever is the soonest.

I make no apologies for the way this issue is put together – it is a formula with which I am familiar. I certainly believe that our Association and its Journal deserve an editor who can reflect the youthful, dynamic image of our sport in these pages and, as I make no pretensions to fit this description, I sincerely hope that such a volunteer steps forward to take over from me. If, on the other hand, apathy reigns, which it appears to do too often in our sport, then the magazine could well die at the hands of the membership. Any takers?

Additionally I believe the function of this Journal is to entertain and inform. I don't believe it should court controversy in any way, particularly in an age when everyone seems to want to sue everyone else about something. An example appeared in the last issue when some painfully inaccurate statements about the Lincoln Parachute Centre were published in an article by Matthew Price. We obviously apologise unreservedly to the Lincoln Parachute Centre for any harm or distress this article may have caused.

Go safely,

Charlie



'No Limits' CRW Team, photographed by Simon Ward, robbed of the Gold Medal in the last round of the Sequential Event at the Nationals.

DROP INN



THIS IS ALL VERY ENTERTAINING CHAPS,
BUT DID ANYONE NOTICE IF MY
HARRIER DITCHED IN THE SEA ?



SPLONG!

Chief Pilot of RAPA will award a valuable prize for the BPA who comes up with the best caption for this magnificent portrait!

17-way

HerculesBoogie '87 in Sweden was attended by 832 jumpers from 17 countries. All these countries are represented in this 17-way, organised by Bob Harman.

In the formation: Harman (Great Britain), Jack Gregory (USA), Peter Gannow (Canada), Heidi Mauchle (Switzerland), Kjell Pålsson (Sweden), Tom Migerode (Belgium), Helga Kleisny (Austria), Inge Kerzel (Germany), Klaus Bjerg (Denmark), Gaute Solheim (Norway), Michael Bauman (Holland), Jacek Skizyrecki (Poland), Raimo Kempainen (Finland), Patrick Dennis (France), Gary Barclay (Australia), Kathy Basalay (New Zealand), Arnaldo D'Orazio (Italy).

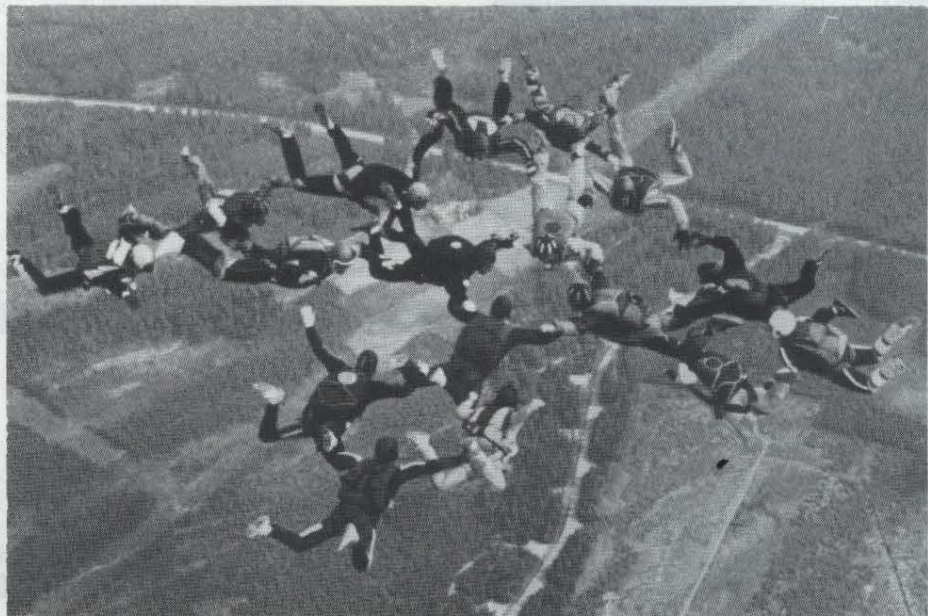


Photo by Peter Carlsson



Royal Aero Club Awards. Above: The Marines Team, having won The Prince of Wales Cup for the second time, poses with The Duke and Duchess of York. Below: Archie McFarlane receives RAeC Certificate of Merit from the President.

Photos - Simon Ward



Karen Spence

On Sunday, 14th June 1987, Southampton University Parachute Club lost a valued friend.

Karen had been secretary of the club for the past year and died tragically, aged 23, whilst making her 68th Jump.

A quiet and cheerful person, Karen loved parachuting and pursued it with the same determination that she gave to her academic studies.

She was spending the weekend relaxing amongst friends, and taking to the skies again, having just completed her second year Physics exams.

Much loved, Karen will be greatly missed by all those who knew her at Southampton and Netheravon.

Mal



IF SOMEONE ASKS ABOUT THIS CRITIQUE, "NAFF JUMP", I'LL TELL THEM IT'S NIGHT ACCELERATED FREE - FALL .

OSWALD S.G

10 Second delay



© 1987 ANDY PINDER



Left: Stuart Meacock records a splendid photo of Beauty being carried by the Beast over Sibson!

Jim Steele am I. CO of Nethers. We operate all weathers. Above sea level it's unkind. We have a problem with the wind.
Anon

I've never been to Halfpenny Green I don't believe it's ever been seen. It's outdated coinage so I vote that we rename it half a groat.
Anon

A swinging pace – Dave Parker's Headcorn. Always busy, never forelorn. Friendly, smart and bags or lobs – perhaps a little short on bogs.
Anon

I Waterman no longer edit but my pictures did me credit.
Anon

Photo by Sven Mortberg

FULL TIME STAFF REQUIRED

Tandem, AFF and Approved

Apply with full details to:

**London Skydiving Centre
Cranfield, Bedford
Tel. 0234 751024**

Cautionary Tales for Students

When Trevor went to learn to 'chute he never really cared a hoot for lectures on the art of landing and tried to do a sky god's standing. Now he's got the time to ponder in the fracture ward – no wonder and remember being told "now Trevor, always keep your legs together".

Andrew on the other hand was bold to practise all that he'd been told. While true that three feet make a yard he'd only two for landing hard on ground, so PLFs he thought would keep him safely in the sport.

Moral

Although an irritating sod Andrew's right – he's now a bod progressing on to cats much bigger – improving the retention figure.

N.W.S.Y.

Parachuting quote of the month . . .

Ambitious student at Netheravon wrote his name on the Manifest Board. Under 'type of jump' he wrote STATIC LINE. Under 'height' he wrote 26,000 feet!

* * *

Parachute Expert Honoured

Liverpool airman Flight Sergeant Dave Jones receiving the congratulations of his Commander-in-Chief, Air Marshal Sir John Sutton on receiving his British Empire Medal.

DIARY OF EVENTS 1987

INTERNATIONAL

23-29 September	World Cup of Champions (Accuracy)	Seoul, Korea
28 Sept-7 Oct	World Parachuting Championships (RW)	Brazil
2-4 October	1st Team Accuracy Competition	St. Tropez, France
9-16 November	Cyprus Championships	Cyprus

UK COMPETITIONS

19-20 September	LAC Meet	Headcorn
9-10 October	Night Jumps	Cranfield

COURSES AND SEMINARS

30 Nov-4 Dec (date change)	PI/Advanced Instructor Course	Swansea
7-11 Dec (date change)	Exam/Pre-Advanced Instructor Course	Swansea





CLUBS AND CENTRES

A1 SKYDIVING CENTRE

We have access to assault courses, a Ski slope and lots of fun things to do on wet and windy days, whilst still having unrestricted airspace for skydiving days.

A1 Skydiving Centre
'Rectory Farm', Abbotsley
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Tel: Great Gransden 07677 7065

ACTION ENTERPRISE LIMITED

Now based permanently at Sibson Airfield: Skyvan Turbine Islander, Cessna. Rapid Progression Courses. Tandem Skydiving.
Sibson Airfield
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Tel: 08324 677

BLACK KNIGHTS PARACHUTE CENTRE

Week-end centre, first jump SL courses, radios and aeroconicals. Tandem Courses, SL & FF progression to category 10. RW and CRW instruction. Cessna 185 (inflight door). SL & FF kit hire. Accuracy pit, canteen, washing and toilet facilities. Camping and caravans on DZ, B & Blocal.
Contact Bob Parry
Patty's Farm, Hillam Lane
Cockerham, Nr Lancaster
Tel: weekend 0524 791820
midweek 051-924 5560

BORDER PARACHUTE CENTRE

In beautiful Northumbrian countryside. 207, full equipment, free hire, RW/CRW instruction, Tandem. Visitors welcome, no membership fees. Centre has superb accommodation (booking essential), Bar, Restaurant, Entertainments. Weekend and midweek (summer).
Border Parachute Centre
Dunstanburgh House, Embleton,
Alnwick, Northumberland NE66 3XF
Tel: 0665 76 588 or 433

BRITISH PARACHUTE SCHOOL

Open daily. First jump courses and accelerated freefall courses. Training for progression jumps and relative work always available. Cessna 206 and Islander. Accuracy pit. Bunkhouse with showers and cafe on DZ.
British Parachute School
The Control Tower, Langar Airfield
Langar, Nottingham
Tel: 0949 60878

BRITISH SKYSPOUNTS PARACENTRE

Open 7 days, 3 Aircraft, Accommodation, Free Camping, Bar, Canteen. RW and CRW Coaching. Experienced Equipment. Tandem rides and evaluation courses available. Progressing students very welcome.
British Skysports Paracentre
Bridlington Aerodrome, Bridlington
East Yorkshire
Tel: 0262 677367

CAPITAL SCHOOL OF PARACHUTING

Only 14 miles from the centre of London we are open Wednesday to Sunday. S/L, AFF, Tandem and R/W. We have Photo and Video facilities, canteen, etc. (Even a bat for apres-jumping.) We're a friendly club and like to see new faces.

Capital School of Parachuting
Stapleford Airfield
Nr Abridge, Romford
Essex, RM4 1SJ
Tel: 04028 420

CORNWALL PARACHUTE CENTRE

Is different, it's about people, enjoyment, safety. Not just your average centre. C182, Video, Tandem jumping, finest equipment, camping, chalets, B & B, good food, friendly staff. Daily 9.00 am until sunset. Please contact Secretary Linda Ruth Grant.
Cornwall Parachute Centre
Frans Ranch, Old Naval Airfield
St Merryn, Cornwall
Tel: 0841 540691

DORSET PARACHUTE CENTRE

Cessna 182, RW and student training. Friendly DZ, competitive rates, handy local B & B or camping with showers nearby, good pubs. Canteen on DZ open Wed/Fri, Sat/Sun, just ring.
Dorset Parachute Centre
Bere Farm, Bere Regis, Dorset
Tel: 0929 471939

DUNKESWELL INTERNATIONAL SKYDIVING CENTRE

Friendly full time club with basic courses and tandem jumping available all year round. Student progression, RW and CRW instruction, accuracy pit. Student and ram air kit available. Overnight accommodation, B & B nearby, canteen, bar and camping on DZ. Cessna 206. Non members welcome.
DISC, Dunkeswell Airfield
Nr Honiton, Devon
Tel: 040 489 350

EAGLESCOTT SKYDIVERS

A weekend club which caters for all levels with a great club atmosphere. 1st jump, RW, CRW tuition. Cessna 182, camping, B & B, unbeatable pub and grub. Alternative adventure activities by the sea.
Eaglescott Skydivers
9 Weilsde Way, Silverleaf Estate
Barnstaple, Devon, EX37 7RB
Tel: 0271 75000

EAST COAST PARACHUTE CENTRE

Single engine aircraft, twin when necessary. Student and advanced parachute kit hire. Style, accuracy and relative work instruction. Weekend courses (pre para training available mid-week). Non members welcome.
East Coast Parachute Centre
Oakington Airfield (Military)
Longstanton, Cambridge
Contact address: W.P. Slattery
8 Burna Crescent
Chelmsford, CM2 0TS
Tel: 0245 268772

FLYING TIGERS SKYDIVING CENTRE

Beginners' courses, AFF, tandem, RW, CRW instruction, kit hire. Restaurant, bar, camping available, accommodation nearby. 180, Islander and Gazelle always available. Open weekends and evenings.
Flying Tigers Skydiving Centre
Goodwood Airfield, Nr Chichester
West Sussex
Tel: Kevin McIlwee 0243 780333

FIFE PARACHUTE CENTRE

Full time 9 to dusk. Caters for first jumps, progression, RW, CRW, tandem. Facilities include bar, restaurant, two aircraft, camping facilities, B & B locally, numerous bad weather facilities nearby.
Fife Parachute Centre
Fife Airport, Glenrothes, Fife
Tel: 0592 756809/753792

HALFPENNY GREEN PARACHUTE CENTRE

The Midlands' only full-time centre. Open 6 days, Islander, C182, accuracy pit, SL/FF kit hire. RW, CRW, AFF instruction. Washing/Toilet facilities, restaurant all day, camping available. 9 miles Wolverhampton.
Halfpenny Green Parachute Centre
The Airfield, Bobbington
Nr Stourbridge, West Midlands
Tel: 038 488 293

HEADCORN PARACHUTE CENTRE

Full time, 9 to dusk, very active midweek. All levels of instruction/progression, AFF, RW, Style, Accuracy. Experienced staff, 2 Islanders, video, team rates. Canteen, free accommodation. Everybody welcome.
Headcorn Parachute Club
The Airfield, Haadcorn, Kent
Tel: 0622 890862

HEREFORD PARACHUTE CLUB

Beginners' courses with full progression. SL/FF Aeroconicals, AADs, Radios, RW/CRW coaching, tandem, full kit hire, cutaway rig. Visitors (C licence plus) welcome. Canteen, bar, toilets, showers, accommodation, accuracy pit, 2 C206s. Closed Mondays.
Hereford Parachute Club
Shobdon Airfield, Nr Leominster
Herefordshire, HR6 9NR
Tel: 056 881 551

IPSWICH PARACHUTE CENTRE

Open 6 days a week (closed Tuesdays). Islander and Cherokee VI permanently available – Student, RW and CRW instruction by full time staff, accuracy pit, excellent rigging facility. Food, accommodation, camping and bar on drop zone.
Ipswich Parachute Centre
Ipswich Airport, Nacton Road
Ipswich, IP3 9QF
Tel: 0473 710044

LINCOLN PARACHUTE CENTRE

Full time approved centre – special student/group course rates. Helmet radios and AADs on all student equipment. Hot drinks, snacks, limited accommodation available. No club membership or kit hire charges.
Lincoln Parachute Centre
Sturgate Aerodrome, Upton
Gainsborough, Lincs, DN21 5PA
Tel: 0427 83 670

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Weekend club for student parachutists. Farmland DZ, height restriction, no accommodation. Not every weekend, advise telephone beforehand. GQ Aeroconicals, radios, boots, jumpsuits, helmets loaned free.
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Charity Parachuting
PO Box 30, Abingdon
Oxon, OX141DX
Tel: Abingdon 0235 24725 (24 hrs)

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1st jump courses, S/L, AFF, tandem. Full time centre, Skyvan and Cessnas. New clubhouse with showers, accommodation, canteen, bar, kit hire, camping. Easily accessible from London and the Midlands, close M1 (J13/14).

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Cranfield Airport, Cranfield
Bedford, MK43 0AP
Tel: 0234 751866

MIDLAND PARACHUTE CENTRE

Skydive MPC. Great weekend club. Islander, free kit hire, video and tandem plus S/L and progression/RW jumping. Bunkhouse and showers, bar and cafe on airfield. All welcome. Home DZ of the Slug Brothers!
Midland Parachute Centre
Long Marston Airfield
Stratford-upon-Avon, Warks
Tel: 0789 297959

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(Leeds Bradford/Merlin)

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Northern Parachute Centre
Topcliffe Airfield, Nr Thirsk
Tel: 0845 577371 ext 367

NORTH WEST PARACHUTE CENTRE

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Nr Grange-over-Sands, Cumbria
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Peterborough
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Perthshire
Tel: 07646 2572 weekends

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With 4 fulltime AFF Instructors (5 more on call) and 8 AFF Rigs at our disposal, Slipstream offers you outstanding instruction. We operate full time with the use of all Headcorn's facilities.

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Tel: 0622 890641/890862
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Tel: 0264 772124

THE SPORT PARACHUTE CENTRE LTD

The Sport Parachute Centre Ltd
Tilstock Airfield, Whitchurch
Shropshire
Tel: 0948 8841111

SWANSEA PARACHUTE CLUB

Open 7 days a week. Cafeteria and licensed bar, sleeping bag accommodation available. Camping and caravans - April to September. AADs, net skirts, radios, RAPS/WARP/RW/AFF. Accuracy pit, C206, all jumpers welcome.

Swansea Parachute Club
Swansea Airport
Fairwood Common, Swansea
West Glamorgan, SA2 7JU
Tel: 0792 296464

THRUXTON PARACHUTE CLUB

Open daily, everyone welcome. Fulltime staff and rigging loft. Cessna 206 and Islanders. SL and FF kit hire, RW and CRW instruction, pit on DZ. Canteen, washing and toilet facilities.

Thrupton Parachute Club
Thrupton Airfield, Andover,
Hants, SP11 8PW
Tel: 0264 77 2124

WILD GEESE TRAINING CENTRE

Open 7 days a week, accommodation, full meals, student courses, training to Cat.10 standard, RW and CRW instruction, kit hire, Cessna 182 plus 206, night jumps, charity fund raising. Non members welcome.

Wild Geese, Northern Ireland
Contact: Dave Penny, 27 Drumell Road
Aghadowey, Coleraine
Co Londonderry
Tel: Head Office 026 585 669
DZ 026 585 609

ARMY PARACHUTE ASSOC

The Commandant
JSPC Airfield Camp, Netheravon
Salisbury, Wilts, SP4 9NF
Tel: Bulford Camp 09803 3371
ext 245/277

BADMINTON PARACHUTE CLUB

Badminton, Avon
Tel: 045 421 486
Contact: John Davis, New Villas
Badminton, Avon
Tel: 045 421 249/379

BLACKPOOL PARACHUTE CENTRE

Blackpool Airport
Blackpool, Lancs
Tel: 0253 41871

CYPRUS COMBINED SERVICES PARACHUTE CLUB (CCSPC)

CJSATC Pergamos Camp, BFPO 58
Tel: from UK 0103574 530000
ext 337/245
Contact: Club CCI

DONCASTER PARACHUTE CENTRE

Doncaster Airport
Bawtry Road, Doncaster
Tel: 0302 532636 537085

JOINT SERVICES PARACHUTE CENTRE, HONG KONG

Borneo Lines, BFPO 1
Tel: 0-983 7221

OXON & NORTHANTS PARACHUTE CENTRE

Hinton-in-the-Hedges Airfield
Stean, Nr Brackley, Northants
Contact: M E Bolton, 85 Oak Park Road
Wordsley, Stourbridge
West Midlands, DY8 5YJ
Tel: 0384 393373

POPS UK

Hon Treas/Sec Graham St Clair
37 Fetti Place, Witney
Oxfordshire
Tel: 0993 4095

RAFSPA

Weston-on-the-Green,
Nr Bicester, Oxon
Tel: 086 989 343

RAPA JSPC (L), 4791 SEENELAGER

Belefeldstr. Normandy, Kaserne
Tel: 011049 5254 82 2378

THE RED DEVILS

Queen's Parade, Aidershot, Hants
Tel: 0252 24431 ext 4600/4699
Contact: Red Devils, Browning Barracks
Aidershot, Hants

RMCS PARACHUTE CLUB

South Cerney, Gloucestershire
Tel: 0793 782551 ext 2566

SCOTTISH SPORT PARACHUTE ASSOCIATION

Richard Buchan, Lynemore, Madderty
Crieff, Perthshire, PH7 3NY
Tel: 0764 83 255
Video, non members welcome.

SHREWSBURY SKYDIVING CENTRE

Forton Airfield, Montford Bridge
Shrewsbury, Shropshire
Tel: 0743 850622

SILVER STARS PARATEAM RCT PARACHUTE CLUB

Azinghur Barracks, Colerne
Nr Chippenham, Wilts, SN14 8QY
Tel: 0225 743585/743446/743240

SKYBIRD PARACHUTE SCHOOL

Arborfield, Nr Reading, Berks
Contact: The Lodge, Arborfield
Reading, Berks, RG2 9JS
Tel: Arborfield Cross 0734 760584

SOUTH WEST SKYDIVING CLUB

Bodmin Flying Club
Cardinham, Bodmin
FFI Steve Whitehead (Secretary)
Tel: 08405 538

STAFFORDSHIRE SPORT SKYDIVERS

Birmingham and Coventry
Interleaving FF Team
9 Olympus Close, Allesley
Coventry
Tel: 0676 23351

BRITISH COLLEGIATE PARACHUTE ASSOCIATION

% Duncan Langhorn
Parachute Club, Students Union
Surrey University, Guildford
Surrey, GU2 5XH

Affiliated Clubs

Bath College
Bath University
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Newcastle University
Nottingham University
Oxford University
Portsmouth Polytechnic
Sheffield University
Surrey University
Sussex University
Strathclyde University
Trent Polytechnic
Wales Polytechnic

KITNEWS

BY DAVE MORRIS

Hand Deploy Reserves

The advances made within the sport over the years have always been subject to a degree of disapproval; the para-commander; the piggy back system; the square parachute and least of all the hand-deploy. Disapproval and subsequent discussion, relating to any new developments, is not only healthy but necessary to the natural adoption of any advances.

An Australian company, **Roochutes Australia**, has designed and is producing the *Woomera*, a 'Racer' style system with a neat and simple method of hand deployed reserve. A single-pin pullout, situated by the shoulder of the jumper, is easily accessible by either hand.

The company claims a deployment time of 1.5 seconds, a very small pack volume and comfort and weight that will leave you wondering if you are still wearing it! But before you start flexing your friend, the system has not been cleared in the UK, and would have to be thoroughly field tested before it was.

I am not sure if I like the idea or not, but the idea is interesting and I have written to Barry Lewis and Roochutes for more information. I will be covering the *Woomera* in greater detail later in the year and would welcome any views.

Performance Design and the 135!

The demands of skydivers worldwide, for faster and hotter canopies, has seen the introduction of progressively smaller and faster designs. This was good news for the light jumper and the designs have been so efficient that even the heavier person can get tip-toe landings.

Following requests from very light jumpers, who are tired of tanking around under what most would consider a hot canopy, Performance Design has produced the *PD-135*. With a surface area of 135 sqft the *PD-135* is currently the smallest canopy on the market, it is reputed to be quick, responsive and still give soft landings to those within its weight range. To quote the paper, *Skydiver*, "An experienced jumper weighing 130lb or less should be able to handle the *PD-135* with no problems, but heavier jumpers will have their hands full". Ha?

I am currently jumping a 173 sqft canopy and certainly have a lot of fun, ask Wally! I am 182lb but can get great landings by aiming for a wide open space and flaring from full drive. Last year I tried the 145sqft *Stingray*, a handkerchief with a lot of performance, but it dumped me onto the ground a little harder than I liked and left me thinking twice.

If you are thinking of buying a faster canopy, follow the recommendations of the manufacturer, they are the result of careful testing and are there for a good reason.

Buyers' Guide

It was recently suggested to me that a buyers' guide, especially for the first time buyer, would benefit all concerned. Although it would not be fair of me to immediately suggest, the 9lb *Super-Swooper Mega-System* produced by **Budgie Sports**, a survey of your opinions and experiences could certainly benefit the future buyer and the manufacturer.

If you have bought a new system in the last two years, write to me with any information that you think might be of interest.

Dave Morris, Action Enterprise, Sibson Airfield, Wansford, Peterborough, PE8 6NE.

Safety Notices

A number of riggers have informed me that they are still doing work on equipment that has been subject to various safety notices. One safety notice refers to the *KXX* reserves and their diaper grommet spacing.

You are responsible for your equipment and your own safety, so please check the safety notices at your centre and be sure the equipment you jump is safe.



Tear-Drop Rig

A recently developed rig, of which there are only two in the country, is the first rig to have a change of shape. The *Tear-Drop* is wide at the shoulder and narrows to a curve at the bottom. If you are very slim, or into speed tracking it might be just what you are looking for.

They have a standard 'pop-top' reserve and 'pull-out' main. The *Tear-Drop* is not in general production but has been well received by those that have seen it and looks very smart. I wonder if this rig is the first to break away from the traditional wedge shape.

Photo: Lukas Knutsson wearing the *Tear-Drop*

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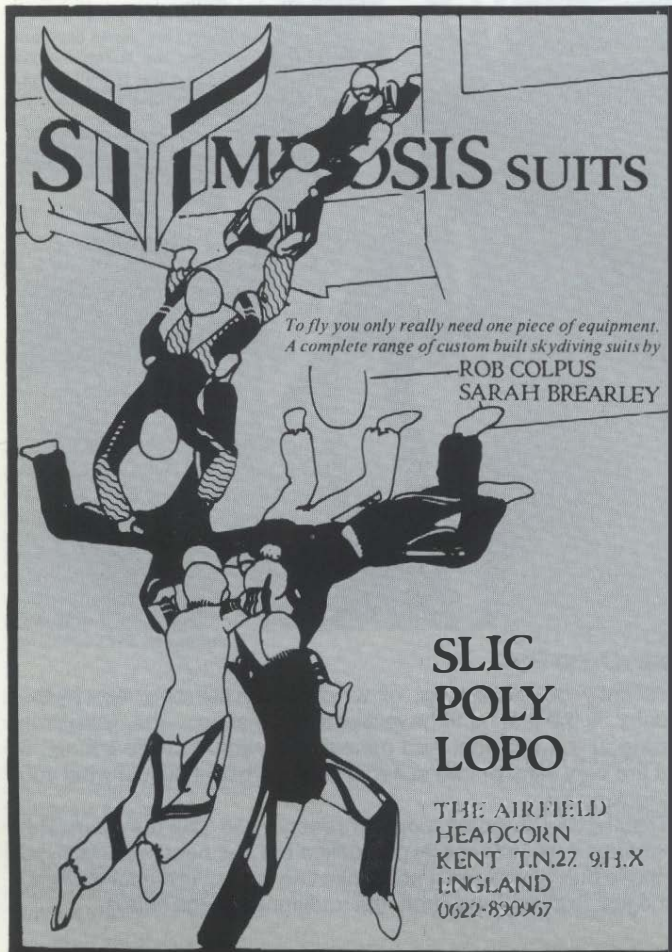
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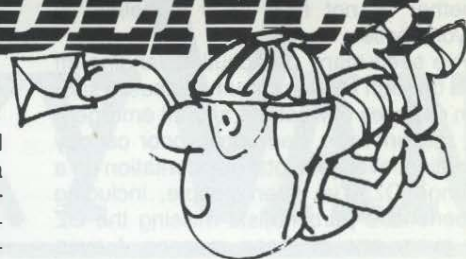
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CORRESPONDENCE



Please find enclosed a picture of a demo into Doncaster Rovers last match of the season about half an hour before the kick-off. We all landed in the centre circle.

We're so pleased with it we wondered if you could find a place in the mag somewhere.

The jumpers are: top **Andrew l'Anson**, middle **Derek l'Anson**, bottom **Martin Monks**. **Allan Garside** took the photo.

Thanks for all you do!!

DEREK R L'ANSON

I was somewhat alarmed and dismayed to read **Mr Gillet's** account of Swansea Parachute Club, in particular his unsavoury references to both student progression and equipment. Most of his comments are out of context I would like to correct them.

Mr Gillet was one of 120 Collegiate competitors taking part in a 3 round 'FAI' type competition in individual accuracy, team accuracy, RW speed star and RW sequential. The time allowed to complete all four events was 4 days – the weather was against us. Mr Gillet was a competitor entered in the meet. He was told he could not make a progression jump because the meet director considered it unreasonable to 'stand down' all four events and 119 other competitors so Mr Gillet could do his Cat 6 jump.

I should imagine that if Mr Gillet had entered the BPA nationals in novice accuracy it would be unlikely that the entire nationals would be halted so he could make a 'training progression jump'.

The 7 sec delay to which he refers reflects his position in a 'team stack accuracy jump' as a competitor competing in an event run from 3500ft.

Stiff pulls There are essentially two types a. The physically stiff pull b. The Psychologically stiff pull.

Equipment Like many parachute centres we use a single pin free fall system on a nylon loop. The old 'cones and grommets' caused the 'Physical stiff pull' – it is unusual but not impossible to see a stiff pull on a nylon loop single pin system!

Premature deployments Because parachute containers are designed to open – this sometimes happens in the aircraft.



Just a short note to thank the instructors, **Phil Cavanagh**, **Jeff Illidge**, **Cliff Lloyd**, **Graham Kirkman**, **Jimmy Swan** and **Bob Parry** of the Black Knights PC for their help in getting me up to my Cat 10. Also a big thanks to **Steve Saunders** for his help in getting me my Cat 9 and Cat 10. Cheers 'Big Ears'.

TERRY C7821

P.S. I would be grateful if you could find a space in the mag for the photograph enclosed, which was taken over, 'Cockerham' by **Steve Saunders**, the jumpers left to right: **Jo Mulvaney**, **Terry Kilmartin** and **Linton Austen**.

Thank you

T. KILMARTIN

The BPA and CAA recognise this singular fact which is included in the CAA/BPA Ops Manual for Parachuting. I am sure that the content of a first jump course at Headcorn covers the drills for premature opening of both main and reserve canopies.

We do not have a high incidence of prematures at Swansea and to indicate that to be the case is untrue.

Bent pin Mr Gillet still has the unique distinction of being the only parachutist at Swansea in some 36,000 descents to have damaged a pin in such a manner. In my experienced opinion it is very debatable whether or not the pin concerned being bent at 90° was damaged in the aircraft or subsequently when Mr Gillet landed an I24 reserve whilst wearing a fully closed free fall container.

Because of the very fact that it is debatable, the offending part of the aircraft seat was modified and covered in July 86.

The 'Bitchiness' to which Mr Gillet refers can be found at any large competition which is weathered out. Take the 1987 RW nationals for example.

I sympathise with Mr Gillet for experiencing a reserve ride in full public view but his reaction is by no means uncommon where possible 'jumper error is concerned'. Blame the drop zone, blame the CCI, blame the equipment, blame the aircraft seat.

One would think that because parachutists and competitors are such self centered egotistical types an emergency situation might produce some introspective analysis.

D.L. HOWERSKI
C.C.I. SWANSEA

After reading **Andy Crawford's** letter on headgear it is not surprising the general public think we're a bunch of ego seeking morons. Time and time again we are criticised in the press for taking unnecessary risks, only last year, after the unfortunate deaths of two static line students we were criticised again in the paper and accused of risking people's lives through inadequate training.

The STC and the Association, through its instructors, do their very best to keep safety to the highest possible standard. There are people in the Civil Aviation Authority who would like to take control of how we parachute, or even prevent us from parachuting altogether in this country. As long as we can show people we can do the job safely and responsibly we should be able to keep control of our own sport.

How anybody could be so irresponsible as to say that whatever their level of experience they should be able to decide whether or not they wear a helmet is beyond belief.

I've seen many parachutists landing off DZs through varying circumstances ie sudden changes of weather, aircraft emergency, malfunctions, bad spots, poor canopy handling, even just total disorientation on a strange DZ. I've seen people, including experienced parachutists missing the DZ for every one of these reasons. I even confess to the fact that I have missed a DZ on more than one occasion. Fortunately I have always found a clear open space elsewhere. Clear spaces cannot always be guaranteed, for example an aircraft emergency or a low reserve opening after a malfunction.

I visited Z' Hills in 1979, **Jim Hooper** in briefing me on DZ rules said he insisted all parachutists up to and including 'C' licence holders wear helmets. He recommended that everyone (even 'D' licence) wear hard helmets, his attitude being if you've only got a 10 per cent head, put it in a 10 cent hat. Andy Crawford should at least wear a paper party hat.

ALAN BONNETT D2042

In case you've been away or have not heard, Doncaster Parachute Centre has moved.

It is no longer in a cold aircraft hangar next to the town's football club.

Now it is half a mile away at the other side of the runways at Doncaster Airport in modern new buildings.

Gone are the dusty packing areas, old fashioned lecture rooms, freezing bunkrooms and temperamental showers. In their place is a centre with up-to-the minute facilities which can compete with any other DZ in the country.

The new club has two lecture rooms to train first-time courses, two bunkrooms, a large ground training area, packing shed, rest room, café, bar . . . I am sure you get the picture.

And if it's a party you want Doncaster has those too. You've just missed the one to celebrate the centre's opening but if you can think of an excuse and bring enough booze another one can be arranged.

If you have been away from Doncaster for a few months you will also have missed a few firsts.

Instructor Ali Anderson bought a crate of Special Brew – he only does this after every 1000 jumps so there is a long wait for the next time.

Holder of the manifest chalk – Juanita Wilkburg broke her ankle jumping out of a caravan.

Club member Mick Bowen is the only skydiver to own an alti which cost less than £1 to make and I've managed to get off the rope!

Doncaster's ace letter writer Kim Newton has promised to write in for this page in the next issue of the mag.

Patrick Griffin, A7894
15 Livingstone Road,
King's Heath, Birmingham.



With the meglomania that seems to be spreading throughout your planet for record RW and CRW formations I think your readership should be informed of the 1800 way which was built in the puce green skies of Betelgeuse III last Thursday and held for twenty-five minutes.

It should be noted at this juncture that Betelgeuse has a number of advantages over your rather puny blue planet in that it has over 150 earth miles of breathable atmosphere and has developed inertialess antigravity craft which take the skydivers to a max altitude of 778,000ft in eight minutes. Despite these advantages over your planet it was still quite an achievement I'm sure you will agree.

The formation base was a big round of 144 skydivers some of whom went on after breakup at 28,000 feet to make the first 50 canopy stack on Betelgeuse III this year.

Unfortunately no pictures were taken of the formation as I'm sure you will realise native Betelgeusians have no heads and therefore nowhere to put their helmet mounted cameras.

GREEN SKIES
BOEF BRATNORST
Betelgeuse, Orion

Nebula
P.S. I am over here studying primitive planetary culture at Portsmouth Polytechnic.

How often have we stood in the bar on a Saturday night listening to yet more first jump stories? The fear in the aircraft, the terror of the exit, the surprise at finding that the instructor wasn't lying and that the canopy does, in fact, open. Stories of the horror felt as they were about to land on a roof, a road, a runway, in trees, or on the CCI's car, only to find themselves a quarter of a mile away on landing, surprisingly, smack in the middle of the DZ. Of course we're not interested, anyone can jump a round but closing last on a formation and getting four points and then landing in the pit, there's something to be proud of. I can look back in my log book and remember being very pleased with myself when I got my SCR, My Cat 10, my D Licence etc. But I have never been as proud as I was the day I did my first jump.

Retention is probably the most emotive subject in our sport and we can all learn a

Please could you find a spot in the mag for this photo with a caption as follows: **Welcome back Roger**, ie. R Groves after a long lay off due to back injury, **Happy Birthday Carl**, (Carl Moore's 50th) and **Wake Up Rick**. Self explanatory, taken over Doncaster on 4th July by myself.

PETER (BONK) HORSMAN
D5858

lot from the letters from students in the June edition of the Mag. The underlying theme would appear to be the lack of interest and, in some cases, almost hostility shown to first time students. To us it's commonplace going to a DZ, we know the people we know the jargon and we know exactly what's going to happen to us after we leave that aircraft. For someone doing it for the first time it's a totally different matter. Of course they are apprehensive, they feel out of place in a new, very strange environment and they need all the help and encouragement they can get. They need it not only from instructors but from all the members at the centre. Matthew Price sums it up perfectly when he says "To have made a first parachute jump is far more impressive than closing sixteenth".

We all did our first jump once, think back to it. In my case I was lucky, it was a (rare) perfect day and I managed to do two jumps. I was a typical first timer and spent some time relating my experiences to all who would listen and I'm pleased to say that I was not ignored or dismissed as just another student but was made to feel welcome and given every encouragement to continue in a sport that was so very new to me. Without that encouragement I am sure that I would not be jumping now, some four years later. If we can remove once and for all the 'them and us' attitude that prevails on some DZs and give some help and encouragement to people following in our footsteps then, I'm sure, retention would increase.

Finally, a note to **Dave Waterman**. I am sorry to read that you are stepping down as Editor of SP and thank you for the high standard of the magazine maintained under your Editorship. I wish you, and the new Editor, well.

Blue Skies

DAVE PORTER D5362

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- ★ **'STUDENT' FREE-FALL** £10.00 inclusive up to 12000ft. The equipment is by UK Para Services and is single pin, stage deployed and split saddle. The reserve is fitted with the FXC 12000 AOD. There are twenty rigs.
- ★ **THE ADVANCED KIT** is the tandem TSE 'Chaser' with GQ 6m Aeroconical and the reserve the Irvin lightweight reserve with four line cut. There are ten rigs, six with Aeroconicals and four with squares. There is no kit charge.
- ★ **ACCOMMODATION.** There is accommodation for up to eighty people and costs £1.00 per night. There is no charge for camping or the positioning of caravans.
- ★ **AIR-SPACE.** Sibson Airfield is in the RAF Wittering Military Air Traffic Zone (MATZ). The parachuting air-space is clear up to 12000ft. There is never any suggestion that the aircraft will not be cleared to 12000ft.
- ★ **THE SOCIAL SCENE.** There are frequent parties, discos and cabaret evenings and a licensed bar on the airfield.
- ★ **RW SEMINARS.** In 1987 there will be four RW Seminars and they will be combined with progression courses.
- ★ **COMPETITION TRAINING FACILITIES** include 30 metre pit – electronic scoring pad – 800m ground-to-air video system – air-to-air video.
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- ★ **LOAD ORGANISERS.**

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British National Parachute Championships (Classics)

As the last flip, flopped out of Bridlington so the sun began to shine. Unkind shaven headed Classic competitors muttered that this was proof that God was a stylist. Well it wasn't that good, but at least by the end of the week there was more chance of suffering from sun stroke than trench foot.

The 1987 Nationals saw the introduction of new rules for style and accuracy, it was the former which proved to be most affected.

In order to clean it up and make style easier to judge the list of time penalties has been scrapped and replaced with a points system. One for doing a manoeuvre correctly, zero for doing it incorrectly. Time would be taken into account only if there was a tie in points.

The results from round one showed that the traditional *status*

quo was being upset. The incentive to go fast had been removed, and as competitors strove for cleanliness so the times got longer. Julian Spencer and Barry Henderson battled it out for the lead but third place was in the hands of Chris Clements whose high scoring 13 second sets led Tony Uragallo's 9 second sets, which had each been docked a point.

The new system is manifestly unpopular with the competitors and will surely be scrapped come the next CIP meeting. When individuals capable of turning sevens, slow down to mid elevens in order to stay clean there's got to be something wrong. The only thing that wasn't wrong though was the winner, Barry Henderson. He dropped only one point throughout the competition and turned the fastest set in 8.4.



National Champion - Julian Spencer



Ladies Champion - Chris Clements

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**SWANSEA
PARACHUTE CLUB**

Seoul may be under a cloud of tear gas but as venue for the 'World Cup Parachute Accuracy Championships' most competitors would have sold their mother for a whiff. Two places were available, one for the top man out of the 49 entering and another for best of the 3 women. As in Style there were new rules; hit the pad to score a point, and distance, miss the pad to score zero points and no distance. Being off the pad in reality meant pack your bags and get the next train out of town.

First to hit the samsonites was Esther Reynolds. Back on a 252, she saw too late that she was dropping short and despite a long reach was not able to hit the pad. The nature of accuracy is such that there is never any comeback from an off pad landing, and to do such a thing in the early rounds of the Nationals is almost too frightening to contemplate. Sufferers of this misfortune walk away to pack on their own, inconsolable and unapproachable. Some time later the actions which brought about their downfall are analysed and come the passing of a day or two all future jumps are regarded as practice for the next competition, where of course it won't happen again.

With five rounds gone the lead was shared by the 'Red Devils' duo of Julian Spencer and Neil Dixon together with Connie van Waerebeke of Belgium. All of these were on 0.03 closely followed by Barry Henderson on 0.04. This round saw the end of Harry Morgan's attempt to repeat his last year's triumph, he had to be content with 'The Divine Wind downplane Cup', another half a second and it would have been awarded posthumously.

The ladies were having a torrid time. Following Esther's miss in round 1, Chris Clements joined her in round five as did Jo Vaughan in round seven. With everyone now on equal points it was all about distance again.

Bridlington dished out some weird winds throughout the competition. The best however was saved until the end. The windsock was pointing the opposite way to the wind direction 50ft above the ground. Much scratching of heads was in evidence as competitors fretted over which way to approach the target. Into the indicated wind meant coming downwind until 50ft!

Going into the tenth round, Tony Uragallo and Les Carroll had joined Julian on 0.07. Les went first and, turning in very late, scored an impressive disc. There was some time before Tony and Julian jumped so Les retired to the bar to await his fate.

Tony was next and chose the downwind approach to try and add to his seven discs so far. It was not to be, 0.05.

The Red Devils were the last team up with Julian first in the stack. It was apparent from the start of the approach that all was not well. Julian turned into the indicated wind and rushed headlong towards the target; some violent adjustments were made before the pad was hit, 0.12. Les smiled a smile of relief. One hundred and sixteen discs were scored during the competition, just four were scored in the last round, Les got one of them.

Despite his disappointment in the accuracy Julian Spencer managed to retain his overall title, Chris Clements won the ladies.

Great Britain's representatives in the 'World Cup' in Seoul, South Korea will be Les Carroll and Chris Clements. We wish them the best of luck.

Steve Eversfield



Style Champion - Barry Henderson



National Coach, John Hitchen, is reunited with his twin brother!

RESULTS (continued overleaf)

SENIOR ACCURACY

Position	Name	Round No.										Totals
		1	2	3	4	5	6	7	8	9	10	
1	L. Carroll	0.02	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.07
2	C. van Waerebeke	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.08
3	T. Uragallo	0.00	0.00	0.06	0.00	0.00	0.00	0.01	0.00	0.00	0.05	0.12
4	N. Dixon	0.01	0.02	0.00	0.00	0.00	0.07	0.04	0.00	0.00	0.14	
5	J. Spencer	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.04	0.00	0.12	
6	S. Morris	0.03	0.01	0.00	0.03	0.09	0.00	0.00	0.01	0.00	0.25	
7	A. Dumbell	0.05	0.06	0.00	0.00	0.05	0.00	0.04	0.03	0.03	0.31	
8	G. Robertson	0.06	0.08	0.04	0.05	0.03	0.00	0.04	0.00	0.00	0.38	
9	B. Dyas	0.01	0.14	0.02	0.04	0.12	0.01	0.00	0.02	0.08	0.44	
10	A. Chandler	0.02	0.03	0.07	0.02	0.04	0.07	0.03	0.14	0.06	0.51	
11	B. Somerville	0.02	0.02	0.02	0.02	0.06	0.02	0.09	0.09	0.10	0.56	
12	B. Henderson	0.00	0.04	0.00	0.00	0.00	0.00	0.03	0.06	0.00	Zap	
12	H. Morgan	0.01	0.01	0.00	0.00	Zap	0.00	0.03	0.01	0.02	0.13	
14	S. Treble	0.00	Zap	0.05	0.01	0.00	0.00	0.00	0.00	0.04	0.09	
15	S. Eversfield	0.00	0.02	Zap	0.03	0.00	0.00	0.12	0.00	0.00	0.21	
16	R. Knuts	Zap	0.03	0.03	0.00	0.03	0.12	0.00	0.00	0.04	0.25	
17	R. Bartholomew	0.00	0.02	0.06	0.03	0.05	0.02	0.08	0.03	Zap	0.30	
18	N. Johnston	0.04	0.00	0.00	0.01	0.06	0.03	0.12	0.00	0.11	Zap	
19	C. Clements	0.07	0.10	0.01	Zap	0.04	0.01	0.00	0.03	0.03	0.38	
20	R. Ellis	0.01	0.04	0.04	0.00	Zap	0.08	0.05	0.00	0.02	0.39	
21	J. Frith	0.12	0.00	Zap	0.11	0.01	0.02	0.00	0.07	0.11	0.44	
22	J. Scarlett	0.01	0.14	0.00	0.06	0.07	0.05	0.12	0.00	0.03	Zap	
23	J. Vaughan	0.00	0.03	0.02	0.12	0.14	0.13	Zap	0.00	0.04	0.51	
24	E. Reynolds	Zap	0.11	0.02	0.01	0.15	0.02	0.03	0.03	0.00	0.15	
24	D. Ruffie	0.10	0.00	0.00	0.06	0.01	0.09	0.06	0.14	0.06	Zap	
26	E. Carroll	0.00	0.00	0.04	0.00	0.02	0.00	0.02	0.00	Zap	Zap	

CLASSIC NATIONAL RESULTS (continued)

27	F. Ryland	0.04	0.00	0.03	0.00	0.00	0.01	0.00	Zap	Zap	0.03	0.11
28	K. O'Connell	Zap	0.02	0.02	0.06	Zap	0.07	0.02	0.03	0.00	0.02	0.24
29	E. Rende	0.05	0.00	0.07	Zap	0.09	0.02	0.03	0.03	0.00	Zap	0.29
30	S. Bartholomew	0.00	Zap	0.00	0.12	Zap	0.04	0.00	0.09	0.12	0.11	0.48
31	C. Parsons	0.07	0.02	0.06	0.13	0.14	0.05	0.12	Zap	0.00	Zap	0.59
32	K. Duncan	0.00	0.02	Zap	Zap	0.03	0.09	0.00	0.00	0.00	Zap	0.14
33	M. Owens	Zap	0.06	0.01	0.09	0.02	0.00	0.00	Zap	0.00	Zap	0.18
34	R. Potter	Zap	0.00	Zap	0.10	0.07	0.04	0.04	Zap	0.00	0.03	0.28
35	P. Smith	0.04	0.02	0.05	0.08	Zap	0.03	0.07	0.00	Zap	Zap	0.29
36	I. Rosenvinge	0.00	0.11	0.03	Zap	Zap	0.07	0.01	0.04	0.07	Zap	0.33
36	B. Shaw	0.09	0.03	0.07	0.06	Zap	0.00	0.06	0.02	-	-	0.33
38	J. Carter	Zap	0.04	0.04	0.00	0.07	0.11	Zap	0.08	0.02	Zap	0.36
39	K. Parker	Zap	0.06	Zap	0.01	0.07	Zap	0.13	0.11	0.14	0.06	0.56
40	W. Driessens	0.14	0.08	0.14	Zap	Zap	0.04	0.00	Zap	0.15	0.10	0.65
41	J. Smyth	0.10	Zap	0.06	Zap	Zap	0.07	0.03	0.08	Zap	0.06	0.40
42	R. Buchan	0.01	0.10	0.14	Zap	Zap	0.15	0.08	Zap	Zap	0.13	0.61
43	K. Skelly	Zap	0.02	0.02	0.10	0.02	0.02	Zap	Zap	Zap	Zap	0.18
44	S. Krnie	0.14	0.10	0.12	Zap	Zap	0.08	Zap	Zap	0.00	Zap	0.44
45	R. Stewart	Zap	0.04	0.15	Zap	Zap	0.07	Zap	Zap	0.00	Zap	0.26
46	M. Willems	Zap	Zap	Zap	0.06	Zap	0.05	0.06	0.11	Zap	Zap	0.28
47	M. Dechief	Zap	Zap	0.14	0.09	Zap	Zap	0.03	0.13	Zap	Zap	0.39
48	T. Andrewes	0.09	0.00	0.01	Zap	-	-	-	-	-	-	0.10
49	R. Morosini	Zap	Zap	Zap	0.04	Zap	0.08	Zap	Zap	0.12	-	0.24
50	R. Hawkins	Zap	0.09	0.13	Zap	Zap	Zap	Zap	0.15	Zap	Zap	0.37
51	F. Mallabone	Zap	0.02	Zap	Zap	Zap	0.11	Zap	Zap	-	-	0.13
52	S. Webb	0.08	Zap	0.15	Zap	Zap	Zap	Zap	Zap	Zap	Zap	0.23
53	B. Byrne	Zap	Zap	Zap	Zap	Zap	Zap	Zap	Zap	0.08	Zap	0.08

SENIOR OVERALL

Position	Name	Acc Pos	Sty Pos	Total
1	J. Spencer	4	2	6
2	L. Carroll	1	8	7
3	T. Uragallo	3	4	7
4	B. Henderson	8	1	9
5	C. Clements	10	3	13
6	A. Dumbell	6	9	15
7	S. Morris	5	11	16
8	C. van Waerebeke	2	15	17
9	E. Reynolds	12	8	20
10	J. Vaughan	11	10	21
11	W. Driessens	17	5	22
12	A. Chandler	7	16	23
12	J. Carter	16	7	23
14	K. O'Connell	13	12	25
15	P. Smith	15	14	29
16	R. Knuts	9	21	30
17	E. Rende	14	17	31
18	M. Dechief	19	13	32
19	M. Willems	18	18	36
20	T. Andrewes	20	20	40
21	R. Hawkins	22	19	41
22	R. Morosini	21	22	43

INTERMEDIATE ACCURACY

Position	Name	Round No										Totals
		1	2	3	4	5	6	7	8	9	10	
1	K. Veitch	0.04	0.02	0.07	0.10	1.16	0.00	0.00	0.00	0.27	0.03	1.69
2	S. Ruffell	0.01	0.19	0.04	0.58	0.04	0.07	0.03	0.09	0.00	0.71	1.76
3	S. Hastings	1.77	0.62	0.07	0.08	0.08	0.07	0.01	0.04	0.32	0.06	3.12
4	A. Hodgson	0.12	1.34	0.18	0.53	0.09	0.00	0.26	0.09	0.09	0.59	3.29
5	S. Gray	0.06	1.87	0.12	0.09	1.12	0.07	0.12	0.69	0.41	0.10	4.65
6	M. Hancock	0.28	0.06	0.33	0.26	1.91	0.06	0.28	0.45	0.31	1.75	5.69
7	M. Burns	0.08	0.05	0.06	1.43	2.89	0.20	0.15	0.15	1.49	0.15	6.65
8	T. Kilmartin	0.10	0.04	0.61	0.08	1.22	0.14	0.03	0.13	0.00	5.00	7.35
9	P. McLaughlin	1.35	0.02	0.06	0.41	0.10	0.10	1.37	0.13	5.00	0.14	8.68
10	M. Harrison	0.00	1.03	0.19	1.01	5.00	0.18	2.59	0.89	0.07	1.16	12.12
11	R. Spurr	0.02	0.14	2.04	5.00	2.29	2.46	0.13	1.69	2.31	1.65	15.95
12	J. Trotter	5.00	2.18	0.63	0.26	0.18	1.67	0.37	5.00	0.60	0.13	16.02
13	S. Bowyer	0.14	0.11	5.00	3.13	0.48	0.31	0.85	0.79	1.70	4.21	16.72
14	S. Williams	0.70	0.26	5.00	1.04	0.73	0.00	0.94	2.85	0.23	5.00	16.75
15	M. Pardoe	0.41	2.10	0.99	0.11	5.00	1.95	0.13	0.47	1.44	4.85	17.45
16	R. Brearley	2.69	1.28	5.00	0.43	0.60	2.60	1.30	1.34	2.84	5.00	23.48
17	K. Andrewes	3.12	0.67	3.59	0.91	5.00	1.00	3.20	1.17	5.00	5.00	28.66
18	A. Piotrowicz	5.00	5.00	5.00	5.00	5.00	2.47	2.86	1.36	3.74	2.36	37.81
19	R. Reid	5.00	5.00	3.59	5.00	5.00	5.00	5.00	5.00	-	-	38.59

INTERMEDIATE OVERALL

Position	Name	Acc Pos	Sty Pos	Total
1	S. Hastings	2	2	4
2	K. Veitch	1	6	7
3	A. Hodgson	3	5	8
4	M. Harrison	8	1	9
5	R. Spurr	9	4	13
6	M. Burns	6	7	13
7	M. Hancock	5	10	15
8	K. Andrewes	13	3	16
9	S. Gray	4	12	16
10	S. Bowyer	10	9	19
11	P. McLaughlin	7	13	20
12	R. Brearley	12	8	20
13	A. Piotrowicz	14	11	25
13	S. Williams	11	14	25

NOVICE ACCURACY

Position	Name	Round No										Totals
		1	2	3	4	5	6	7	8	9	10	
1	D. Jones	1.72	7.25	25.00	1.43	0.44	7.56	0.71	0.15	2.22	0.23	46.73
2	R. Connor	25.00	18.77	25.00	25.00	16.25	25.00	16.97	9.40	1.18	3.95	168.52

SENIOR OVERALL - GB

Position	Name	Acc Pos	Sty Pos	Total
1	J. Spencer	3	2	5
2	L. Carroll	1	5	6
3	T. Uragallo	2	4	6
4	B. Henderson	7	1	8
5	C. Clements	8	3	11
6	A. Dumbell	5	6	13
7	S. Morris	4	10	14
8	E. Reynolds	10	7	17
9	J. Vaughan	9	9	18
10	A. Chandler	6	13	19
10	J. Carter	13	6	19
12	K. O'Connell	11	11	22
13	P. Smith	12	12	24
14	T. Andrewes	14	15	29
15	R. Hawkins	16	14	30
16	R. Morosini	15	16	31

SENIOR STYLE

Position	Name	Round 1		Round 2		Round 3		Round 4		Round 5		Totals	
		Pts	Time	Pts	Time	Pts	Time	Pts	Time	Pts	Time	Pts	Time
1	B. Henderson	(6)	8.40	(6)	9.15	(5)	9.37	(6)	9.28	(6)	10.54	29	46.74
2	J. Spencer	(6)	9.27	(6)	9.10	(6)	9.70	(5)	10.53	(6)	11.32	29	49.92
3	C. Clements	(6)	13.08	(5)	13.68	(6)	13.64	(6)	12.63	(6)	13.30	29	66.33
4	T. Uragallo	(5)	9.14	(6)	9.84	(6)	9.27	(5)	9.64	(6)	9.19	28	47.08
5	W. Driessens	(6)	13.98	(4)	13.56	(6)	14.28	(6)	14.50	(6)	14.35	28	70.69
6	L. Carroll	(5)	9.05	(5)	9.58	(6)	9.57	(5)	10.41	(6)	10.23	27	48.84
7	J. Carter	(6)	12.28	(5)	12.02	(5)	13.18	(6)	12.32	(5)	12.20	27	62.00
8	E. Reynolds	(6)	10.53	(5)	9.99	(5)	10.57	(5)	10.20	(5)	10.75	26	52.04
9	A. Dumbell	(6)	12.77	(5)	12.52	(5)	13.95	(5)	14.39	(5)	13.44	26	67.07
10	J. Vaughan	(6)	9.45	(5)	9.70	(5)	8.89	(4)	10.03	(5)	10.16	25	48.23
11	S. Morris	(5)	9.91	(5)	9.54	(4)	11.34	(6)	9.36	(5)	9.87	25	50.04
12	K. O'Connell	(6)	14.20	(5)	14.29	(4)	12.71	(6)	13.12	(4)	11.73	25	66.05
13	M. Dechief	(5)	13.58	(4)	12.88	(4)	15.36	(6)	13.61	(4)	15.30	23	70.75
14	P. Smith	(6)	14.83	(4)	14.49	(3)	12.01	(6)	13.70	(3)	13.68	22	68.71
15	C. van Waerebeke	(6)	9.43	(4)	9.36	(1)	9.47	(6)	10.53	(4)	10.45	21	49.24
16	A. Chandler	(4)	9.28	(3)	8.96	(5)	9.13	(4)	8.52	(4)	8.99	20	44.66
17	E. Rende	(5)	14.40	(3)	15.31	(2)	14.11	(6)	14.08	(4)	13.47	20	71.37
18	M. Willems	(2)	12.85	(2)	13.59	(3)	16.00	(5)	15.02	(5)	13.41	17	70.87
19	R. Hawkins	(3)	15.27	(3)	14.69	(2)	14.91	(1)	16.00	(1)	11.10	10	71.97
20	T. Andrewes	(4)	11.52	(3)	12.24	()	()	()	()	()	()	7	23.76
21	R. Knuts	(0)	7.14	(0)	8.85	(2)	8.38	(3)	11.11	(2)	11.04	7	46.52
22	R. Morosini	(1)	16.00	(1)	16.00	(1)	16.00	(0)	16.00	(1)	16.00	4	80.00

INTERMEDIATE OVERALL - GB

Position	Name	Acc Pos	Sty Pos	Total
1	S. Hastings	2	2	4
2	K. Veitch	1	6	7
3	A. Hodgson	3	5	8
4	M. Harrison	6	1	9
5	R. Spurr	9	4	13
6	M. Burns	6	7	13
7	M. Hancock	5	10	15
8	K. Andrewes	13	3	16
9	S. Gray	4	12	16
10	S. Bowyer	10	9	19
11	P. McLaughlin	7	13	20
12	R. Brearley	12	8	20
13	A. Piotrowicz	14	11	25
13	S. Williams	11	14	25

INTERMEDIATE STYLE

Position	Name	Round 1		Round 2		Round 3		Round 4		Round 5		Totals	
		Pts	Time	Pts	Time	Pts	Time	Pts	Time	Pts	Time	Pts	Time
1	M. Harrison	(2)	6.05	(3)	6.28	(3)	7.00	(3)	6.68	(3)	6.52	14	32.53
2	S. Hastings	(3)	5.99	(3)	5.71	(2)	7.61	(3)	7.93	(3)	6.69	14	34.13
3	K. Andrewes	(3)	7.60	(3)	7.28	(2)	8.02	(3)	7.91	(3)	8.11	1	

THE ROYAL NAVY ROYAL MARINES PARACHUTE CLUB

Many people have heard of Dunkeswell due to the Marines CRW record attempts during the past two years. However not many people know anything about the skydiving scene at Dunkeswell.

There are two clubs on the airfield, one a civilian club and the other the Royal Navy Royal Marines Parachute Club. The RNRM Club consists of four staff members all approaching 2000 jumps and add up to a lot of years in the sport. We run a S/L programme from March to October also an AFF programme. In the near future we hope to run tandem courses.

All the staff have over a 1000 CRW hook ups, so we're able to teach CRW at a high standard. For an example a couple of our club members have been in Diamond stacks having only a dozen hook ups under their belts. As for the RW our experienced club members help out in teaching it as the staff can't always do the teaching. On the accommodation side we have 42 beds and stacks of space for putting up tents.

One kitchen, female and gents' toilets with showers, plus two TV rooms one with a huge screen including videos. There is also a free-fall video camera jumped by a member of staff.

As for the jumpship, we have a new Cessna 185 which takes five jumpers, which will outclimb a Cessna 206. It has an inflight door (warmer than a Cessna 206 without a door), grip bar on the inside for floaters, launching 4-ways is no problem. There is a huge pit in the centre of the airfield if you're into accuracy. People interested in knowing how to tackle display arenas, the staff are all ex-members of the Marines display team.

Dunkeswell must be one of the most scenic DZs in Britain also having the distinction of being Britain's highest DZ.

On a clear day at 10,000ft you can see the English Channel and the Bristol Channel, with small Devon fields leading to Cornwall.

Also on the airfield we have the aero club which is run by Andy Marks whose brother jumps at our club.

Needless to say he caters for the skydiver, cheap food, stacks of it. Every Saturday night there is a disco in the Aero club which closes at 1 am.

Quite a few people tend to be confused concerning military clubs. Our situation is as follows, if you wish to come on one of our courses you have to be either military, reservist or a military dependant. If you don't fit this category then I recommend Eaglescott run by Gary Lawry an ex-marine (for the people in the South-West).

If you have at least one jump underneath your belt then you are more than welcome at our club whether military or civilian. Those of you who find yourselves passing our way when you follow the track round the airfield, we are the first club you come to clearly signposted.

Here's hoping we get a Skydiving Summer for a change.

Andy Guest, D2439

* * *



Congratulations to Bob Harman, seen here celebrating 84 hours of free fall time!

A1 SKYDIVING

"DUCK END", RECTORY FARM, ABBOTSLEY, HUNTINGDON, CAMBS. (076 77) 7065

ISLANDER, CHEROKEE SIX, 12,000ft CLEAR AIRSPACE, OPEN 7 DAYS, FREE CAMPING, PARKING FOR CARAVANS PIT, AFF, TANDEM.

CHEROKEE SIX

AVAILABLE FOR DEMO'S, SHORT OR LONG TERM HIRE. CALL (076 77) 7065 COMPETITIVE RATES, PILOT AVAILABLE.

LIGHTWEIGHT HELMETS FOR SALE £10 + VAT

ALSO DUE TO RE-EQUIPMENT. 14 STUDENT RESERVE CONTAINERS, RECENTLY IN USE £10 + VAT EACH

ANNUAL ACCOUNTS – NEW FORMAT

Now that the BPA Five Year Development Plan has finally been accepted by the Sports Council, implementation has begun.

As you know Chris Gilmore has been appointed as Development Officer and he is pursuing the various phases of the plan.

In line with the plan the funding which the Association receives from the Sports Council has been channelled to us in a different form than previously. The reports which the Sports Council will expect, both written and financial must be formulated in a similar way.

So that it will be necessary to calculate just one set of financial figures, I have reformatted the Annual Accounts. Also in order to comply with the various parts of the Companies Act I have also had to re-work the accounts for the preceding year, this then gives a two year comparison for publication and submission to the registrar of companies.

With these changes in mind I have tried to give everyone a line by line explanation of the Income/Expenditure headings, plus as full an explanation as possible of the newly added notes to the accounts.

Income

Part of the income is derived from the various types of membership taken out by BPA members. In each case the gross figure paid is broken down into various parts, ie.:

- Renewal Gross £22
- BPA subscription £12.65
- VAT £1.90
- Insurance 65p
- Magazine subscription £6.80.

All other types of membership are split in a similar way.

1. **Members subscription:** This is calculated as follows:
 - a) Total amount received in the year 1986/87
 - Less b) Payments made in advance for 1987/88. **NB** (a)
 - Plus c) Payments made in advance for 1986-87. **NB** (b)
 - NB** a) The amount paid *before* March 1987, but *not due* until 1st April 1987.
 - NB** b) The amount paid *before* March 1986, but *to be included* in the year beginning 1st April 1987.
2. **Members' Insurance**
This is the total received from every type of jumping member, ie, 65p x No. of members.
(This is not really disposable income as the amount paid in is paid out).
3. **Shop Sales**
This is gross total received from the sale of BPA retail shop items.
4. **Magazine subscriptions**
This amount is calculated in the same way as (1) above.
5. **Magazine advertising**
The total amount received from all forms of advertising in the magazine.
6. **Other Income**
This consists of National Team Fund donations. FAI Sales, Lottery Profit, Film Hire, BSC Awards, Video Hire, Fees from DZ Recces etc.
7. **Interest receivable**
This is the amount earned from investing surplus funds when these are available.
8. **Sports Council Grants**

<ul style="list-style-type: none"> Development Coaching Competition Video purchase Publicity/PR Membership Services 	These are the amounts which the Sports Council allocated to each section of the five year plan.
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Expenditure

The following expenditure information has been arranged to coincide with the grant given and the way in which reporting on the various sections will have to be made to the Sports Council.

9. **Development Costs**
 - a) **Development Management:** This comprises the total amount spent on the Development Section of the five year plan and includes the cost of (1985/86) preparing, writing, submitting, rewriting the plan, ongoing computerisation costs, etc.
1986/87 – Cost of advertising for interviewing, travel costs incurred, and appointment of the Development Office, Cost of the DO's vehicle, office refurbishment, furniture, phone installation, DO's temporary accommodation, subsistence etc.
 - b) **DZ Facilities/Grants:** The amount actually given in grants etc.
 - c) **Operating Costs:** This is a fixed percentage allocation of the following costs which are incurred in the running of the Association's affairs. This percentage was agreed by the BPA Council and Sports Council accepted this decision. The percentage for Development is 32% of:

Printing/Stationery; General Expenses; Hire of Office Equipment; Audit and Accountancy; Office Insurances; Legal and Professional Costs; Subscriptions to other bodies (ie, Royal Aero Club); Bank Charges; Doubtful Debts; BPA Vehicle (van) Running Costs; General Meetings; Depreciation of Fixed Assets; Postage and Telephone; Rent; Rates; Heating; Lighting; Council; Committee and Staff Travel Costs.

- d) **Staff Salaries:** This is a fixed percentage, 32%, of the total of Salaries, National Insurance, Pension Scheme Costs and BUPA Costs of all BPA permanent staff. The percentage arrived at was based upon the time spent by each staff member on each section of the five year plan.
10. **Coaching costs**
 - a) **Various courses:** Each course has been costed separately.
 - b) **Boards of Enquiry:** Costs incurred in setting up, travelling to, production of reports following incidents or accidents.
 - c) **Operating Costs** The same as 9(c) and d) above
 - d) **Staff Salaries** the percentage in this case is 37%.
11. **Competition Costs**
 - a) **Competitions:** Each Competition is costed separately.
 - b) **CIP Conference:** An Annual Conference attended by the British CIP Delegates (2). Some small additional help in funding for part of the travel and subsistence costs of attending.
 - c) **Courses:** Each Course is costed separately.
 - d) **Operating Costs** Calculated as before 9 and 10, the percentage in this instance is 17%.
 - e) **Staff Salaries**
12. **Video:**
This was a one off cost funded to £7000 by Sports Council.
13. **Publicity/PR Costs:**
 - a) **Cost of Shop Sales:** The total cost of running the BPA retail shop; purchase of items, postage, etc.
 - b) **Income Projects**
 - (i) Advertising The cost of organisation for these items.
 - (ii) PR
 - (iii) Sponsorship
 - c) **Operating Costs** As in 9, 10 and 11 with the percentage in this case set at 8%.
 - d) **Staff Salaries**
14. **Membership Services**
 - a) **Magazine Costs:** The total cost of printing and sending six issues of *The Sport Parachutist*.
 - b) **Members Insurance:** This is the same amount paid out as comes in plus a £50 excess for each settled claim. (This excess was agreed in order to keep the premium low for the membership at large.)
 - c) **Purchase of HQ:** This is an ongoing aim, but the Association cannot purchase property until or unless it can dispose of the lease on the rented offices. This is proving difficult as there is a glut of office accommodation in Leicester.
 - d) **General Services:** Any item not easily allocated to other headings.
 - e) **Computerisation:** This has been more or less completed now and any costs are those of improving or adding to the hardware or software programs in order to smooth the running of the Association's affairs.
 - f) **Operating Costs** As in 9, 10, 11 and 12, in this case the fixed percentage is set at 6%.
 - g) **Staff Salaries**

CHARLES W. PORT
Secretary General

April 1987.

FOR SALE

B Reg. Blue Mazda Van, only 11,500 miles. Fully equipped with double bed, fridge, cooker, 2 sunroofs, stereo, burglar alarms, lots of cupboards, shelving and stowage space.

2 litre engine, five gears, 25 mpg.
Swift acceleration and high top speed.

£5750.00 (INCL VAT)

SWARD SPORTS

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TREASURER'S REPORT – Year to 31.3.87

This is my second year as treasurer of the Association, and the first in which the Development Plan has begun to be fully implemented.

It is pleasing to be able to report a year end surplus of £39,664 and that our total income is up by 11%. The Accumulated Fund now stands at £64,887.

This may seem a large sum to be set aside for the future, but as we know from past experience, it is very easy to revert to a deficit situation from which it can take several years to recover.

The Association now has a firm financial base upon which we can develop the larger projects in our development plan. Our development officer has outlined to you a number of schemes to be implemented over the next year, and these will utilise large portions of our funds with the aim of encouraging centres and clubs to develop our sport.

All major areas of expenditure are now operating within budgets set annually and these are supervised by the various sub-committees and council.

During the year the Association took part, both physically and financially in the making of a Sport Parachuting Video for Nationwide Television screening, this alone cost some £10,000, the

major spin off we hope will be the addition to the retention rate within the Association.

Additionally in order to improve services to the membership and increase general communication efficiency a new telephone system was installed at a cost of some £3000.

Once again general office administration costs have been contained and in some areas savings have been made.

Other large scale projects are at present in an embryonic planning stage, which if fully implemented will be an additional strain on the Association's finances, even though part of the capital cost might be aided by grants from The Sports Council.

In conclusion, although the Association's finances are fairly sound we should not allow ourselves to become complacent because as previously experienced it is all too easy to fall into a deficit situation.

As in previous years a full set of additional notes to the accounts are given. These do not form part of the official accounts but are given for clarification and explanation. Additionally, due to the new style grant the accounts have a slightly different format and notes on this are also shown.

BRITISH PARACHUTE ASSOCIATION LIMITED (A Company Limited by Guarantee) REPORT AND ACCOUNTS FOR THE YEAR ENDED 31st MARCH 1987

COUNCIL

Chairman
Vice Chairman
Treasurer

J.T Crocker
D.T. Hickling
J. Lines

Other Members

T. Andrewes
R. Colpus
J. Curtis
S. Dixon
S. Eversfield
P. Johnson
T. Knight
D. Prince

M. Rennie
P. Ritchie
I. Roseninge
J. Sharples
J. Steele
J. Thomas
M. Willson

The names of the present council members are stated above. Messrs Copestake, Dyas, Lambe, Lilly, Parker and Young served as council members during the period but were not re-elected at the Annual General Meeting in January 1987.

Review of the Year

Annexed to these accounts is a report prepared by the Treasurer on behalf of the council commenting upon the results for the year and the financial position of the Association at 31st March 1987.

Auditors

A resolution will be proposed at the annual general meeting that Moores & Rowland be reappointed as auditors to the Association for the ensuing year.

On behalf of Council:

C. W. Port
Secretary General
Kimberley House
47 Vaughan Way
Leicester, LE1 4SG
5th August 1987

AUDITORS' REPORT TO THE MEMBERS OF BRITISH PARACHUTE ASSOCIATION LIMITED

We have audited the accounts set out on pages II to V in accordance with approved Auditing Standards.

In our opinion, the accounts, which have been prepared under the historical cost convention, give a true and fair view of the state of the Association's affairs at 31st March 1987, and of its result and source and application of funds for the year then ended and comply with the Companies Act 1985.

MOORES & ROWLAND
Chartered Accountants
NORTHAMPTON
5th August 1987

BRITISH PARACHUTE ASSOCIATION LIMITED
INCOME AND EXPENDITURE ACCOUNT
For the year ended 31st March 1987

II

	Note	1987	1986
		£	£
INCOME			
Members subscriptions	1	127,491	119,837
Members insurance		40,071	40,135
Shop sales		13,413	11,604
Magazine subscriptions		34,490	32,624
Magazine advertising		<u>17,790</u>	<u>11,212</u>
Other income		6,266	2,686
Interest receivable	2	6,118	6,086
		<u>245,639</u>	<u>224,184</u>
Sports Council grants	3	83,424	70,894
TOTAL INCOME		<u>£329,063</u>	<u>£295,078</u>
EXPENDITURE			
Development:			
Development management		10,822	13,250
Vehicle running		349	991
Grant to clubs		—	382
Operating costs	4	19,109	20,534
Staff costs	5	<u>19,853</u>	<u>18,024</u>
		50,133	53,181
Coaching:			
PI courses		8,631	9,753
Advanced courses		8,632	9,752
Boards of Enquiry		761	360
Operating costs	4	22,095	23,743
Staff costs	5	<u>22,953</u>	<u>20,839</u>
		63,072	64,447
Competition costs:			
World Championships— Classics		15,114	—
Relative Work		—	21,403
Canopy Relative Work		17,418	—
Paraski		5,801	—
European Championships— Classics		—	574
National Championships		2,510	(2,456)
RAPA Championships		191	383
CIP Conference		544	262
Operating costs	4	10,152	10,909
Staff costs	5	<u>10,546</u>	<u>9,574</u>
		62,276	40,649
Publicity and Public Relations:			
Cost of shop sales		8,507	10,451
Public relations		217	369
Operating costs	4	4,777	5,133
Staff costs	5	<u>4,963</u>	<u>4,506</u>
		18,464	20,459
Membership Services:			
Magazine		50,059	47,365
Insurance		38,090	40,135
Operating costs	4	3,582	3,850
Staff costs	5	<u>3,723</u>	<u>3,379</u>
		95,454	94,729
TOTAL EXPENDITURE		<u>£289,399</u>	<u>£273,465</u>
SURPLUS FOR THE YEAR		<u>£39,664</u>	<u>£21,613</u>

BRITISH PARACHUTE ASSOCIATION LIMITED
BALANCE SHEET— 31st March 1987

III

	Note	1987	1986
		£	£
FIXED ASSETS			
Tangible assets	6	5,937	4,843
CURRENT ASSETS			
Stock	1	12,148	10,921
Other debtors		9,408	5,460
Prepayments		884	3,781
Loans to clubs	9	9,333	17,257
Cash at bank and in hand		<u>127,312</u>	<u>77,070</u>
		<u>159,085</u>	<u>114,489</u>
CREDITORS— AMOUNTS FALLING DUE WITHIN ONE YEAR—			
Trade creditors		37	6,537
Taxation and Social Security		10,758	5,217
Other creditors		17,584	23,722
Accruals		913	860
Subscriptions in advance		21,179	18,109
Deferred income	1 & 3	<u>10,000</u>	—
		<u>60,471</u>	<u>54,445</u>
NET CURRENT ASSETS		98,614	60,044
TOTAL ASSETS LESS CURRENT LIABILITIES		<u>£104,551</u>	<u>£64,887</u>
ACCUMULATED FUND			
Balance at 1st April 1986		64,887	43,274
Surplus for the year		39,664	21,613
		<u>£104,551</u>	<u>£64,887</u>

BRITISH PARACHUTE ASSOCIATION LIMITED
NOTES TO THE ACCOUNTS

IV

1. ACCOUNTING POLICIES

- (a) Depreciation is charged on the cost of tangible fixed assets net of grants received, so as to write them off, over their estimated useful lives in equal instalments at the following annual rates:-
- | | | | |
|------------------------|-----------------------------------|--------------------|-----|
| Office fixtures – | 20% | Office equipment – | 25% |
| Exhibition equipment – | 25% | Vehicles – | 25% |
| Training equipment – | Various rates between 20% and 50% | | |
- (b) Stock is valued at the lower of cost and net realisable value.
- (c) Annual membership subscriptions are brought into account only when received, whilst temporary memberships are brought into account on a receivable basis.
- (d) Corporation tax is provided for at current rates of tax on taxable investment income.
- (e) Grants received from The Sports Council are dealt with as follows:-
- Grants relating to specific capital expenditure of a material nature are set against the cost of the assets purchased.
 - Grants relating to specific revenue expenditure are matched with expenditure when it is incurred.

2. INTEREST RECEIVABLE

	1987	1986
	£	£
Gross interest received	10,754	6,449
Provision for Corporation Tax	(3,118)	(363)
Underprovision for Corporation Tax in prior year	(1,518)	—
	<u>£6,118</u>	<u>£6,086</u>

3. SPORTS COUNCIL GRANT

	1987	1986
	£	£
Grant received in respect of:-		
Development	31,000	—
Coaching	30,500	16,695
Competitions	33,000	10,891
Video equipment	7,500	—
Publicity and advertising	7,000	—
Membership services	1,457	43,308
	<u>110,457</u>	<u>70,894</u>
Transfer to: Deferred income	(10,000)	—
Fixed assets	(17,033)	—
Income and Expenditure Account	<u>£83,424</u>	<u>£70,894</u>

4. OPERATING COSTS

	1987	1986
	£	£
Rent, rates, heat and light	10,017	8,729
Depreciation of fixed assets	4,127	6,091
Staff and council travel	7,892	10,355
Postage	4,924	4,548
Telephone	3,094	3,208
Printing and stationery	12,306	17,085
General expenses	3,339	2,862
Hire of office equipment	800	529
Audit and accountancy	2,850	2,700
Insurance	893	881
Legal and professional	2,812	502
Subscriptions	1,933	1,794
Bank charges	1,314	772
Bad and doubtful debts	(183)	1,553
General meetings	3,097	2,560
Repairs and renewals	500	—
	<u>£59,715</u>	<u>£64,169</u>

These costs have been allocated to expenditure headings

in the Income and Expenditure Account as follows:-	%	£	£
Development	32	19,109	20,534
Coaching	37	22,095	23,743
Competitions	17	10,152	10,909
Publicity and Public Relations	8	4,777	5,133
Membership services	6	3,582	3,850
	<u>100</u>	<u>£59,715</u>	<u>£64,169</u>

5. STAFF COSTS

	1987	1986
	£	£
Wages and salaries	54,820	49,655
Social Security costs	5,293	4,887
Pension and health insurance	1,925	1,780
	<u>£62,038</u>	<u>£56,322</u>

These costs have been allocated to expenditure headings

in the Income and Expenditure Account as follows:-	%	£	£
Development	32	19,853	18,024
Coaching	37	22,953	20,839
Competitions	17	10,546	9,574
Publicity and Public Relations	8	4,963	4,506
Membership services	6	3,723	3,379
	<u>100</u>	<u>£62,038</u>	<u>£56,322</u>

The average number of persons employed by the Association during the year was:-

8 8

BRITISH PARACHUTE ASSOCIATION LIMITED
NOTES TO THE ACCOUNTS (CONT'D)

V

6. TANGIBLE FIXED ASSETS

	Office Fixtures & Equipment	Training & Exhibition Equipment	Vehicles	Total
	£	£	£	£
COST:				
At 1st April 1986	16,369	13,437	2,660	32,466
Additions	662	12,059	9,533	22,254
Grant received	—	(7,500)	(9,533)	(17,033)
Disposals	—	—	(2,660)	(2,660)
At 31st March 1987	<u>£17,031</u>	<u>£17,996</u>	<u>£ —</u>	<u>£35,027</u>
DEPRECIATION:				
At 1st April 1986	12,363	12,600	2,660	27,623
On disposals	—	—	(2,660)	(2,660)
Charge for year	2,250	1,877	—	4,127
At 31st March 1987	<u>£14,613</u>	<u>£14,477</u>	<u>£ —</u>	<u>£29,090</u>
NET BOOK VALUE:				
At 31st March 1987	<u>£2,418</u>	<u>£3,519</u>	<u>£ —</u>	<u>£5,937</u>
At 31st March 1986	<u>£4,006</u>	<u>£837</u>	<u>£ —</u>	<u>£4,843</u>

7. FUTURE CAPITAL EXPENDITURE

Capital expenditure on fixed assets authorised and contracted for by council at the year end but not provided for in the accounts amounted to £3,000 (1986 £11,800).

8. OTHER FINANCIAL COMMITMENTS

Expenditure to be incurred in the production of a promotional film authorised and contracted for by the council at the year end but not provided for in the accounts amounted to £7,000 (1986 £Nil).

9. LOAN ACCOUNTS

	Rates of Interest	Due for repay- ment by:	1987 £	1986 £
Peterborough Parachute Club	5%	Jan 1988	3,458	5,042
Swansea Parachute Club	5%	June 1988	1,167	2,167
Ipswich Parachute Club	5%	Sept 1987	1,708	3,055
Border Venture Parachute Club	5%	Mar 1990	3,000	—
Others, since repaid			—	6,993
			<u>£9,333</u>	<u>£17,257</u>
Due for repayment within one year			7,100	12,743
Due for repayment after one year			2,233	4,514
			<u>£9,333</u>	<u>£17,257</u>

**SOURCE AND APPLICATION OF FUNDS
FOR THE YEAR ENDED 31st MARCH 1987**

SOURCE OF FUNDS	1987		1986	
	£	£	£	£
Surplus for the year		39,664		21,613
Adjustment for items not involving the movement of funds:				
Depreciation	4,127		6,091	
Taxation provided	4,636		363	
		8,763		6,454
		<u>48,427</u>		<u>28,067</u>
APPLICATION OF FUNDS				
Purchase of tangible fixed assets net of grant received	5,221		522	
Taxpaid	1,881		1,401	
		(7,102)		(1,923)
		<u>41,325</u>		<u>26,144</u>
INCREASE/(DECREASE) IN WORKING CAPITAL				
Stock	1,227		(3,708)	
Debtors	1,051		(4,840)	
Loan accounts	(7,924)		2,744	
Creditors	(201)		(11,634)	
Subscriptions in advance	(3,070)		3,538	
		(8,917)		(13,900)
INCREASE IN CASH AND DEPOSITS		<u>£50,242</u>		<u>£40,044</u>

Approved by Council on 5th August 1987 and signed on its behalf by:-

J.T. Crocker — Chairman
J. Lines — Treasurer

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THE BRITISH PARACHUTE ASSOCIATION LTD NOTICE OF EXTRAORDINARY COUNCIL MEETING

Notice is hereby given that an
EXTRAORDINARY GENERAL MEETING
of the British Parachute Association will be held at
The Post House, Braunstone Lane, Leicester
On Thursday 29th October, 1987 at 6.30pm

AGENDA

1. To receive and adopt if approved the Annual Accounts and Report of the Auditors for the financial year ended 31st March 1987.
2. To confirm the re-appointment of Auditors and fix their remuneration for the ensuing financial year.
3. To set P6 Membership Subscription for the ensuing year.

Dated the 23rd Day of June, One Thousand Nine Hundred and Eighty Seven.

For and on behalf of the Council of BPA.

C. W. PORT
Secretary General

THE BRITISH PARACHUTE ASSOCIATION LTD ANNUAL GENERAL MEETING

Notice is hereby given that the
TWENTY-FIRST ANNUAL GENERAL MEETING
of the Association will be held at:
LADBROKE LEICESTER INTERNATIONAL HOTEL,
HUMBERSTONE GATE, LEICESTER
on Saturday, 9th January 1988 at 15.00 hours

AGENDA

1. To consider, and adopt if approved, the Report of the Council.
2. To fix subscriptions payable by members for the ensuing year.
3. To discuss any Special Business
4. To Elect the Council

Dated this 23rd Day of June, One Thousand Nine Hundred and Eighty Seven.

For and on behalf of the Council of the BPA.

C. W. PORT
Secretary General

NOTE: Members are reminded that under article 30 of the Articles of Association only such business as is notified to the Secretary General in writing at least 30 days prior to the date of the Meeting can be included under Item 3 - 'Special Business'. Accommodation at the International Hotel for Friday and/or Saturday should be booked direct with the hotel - telephone Leicester (0533) 20471. Telex 341460. Election to Council - Your nomination paper (an insert with this issue of the Journal) must reach the BPA Office by not later than Friday 2nd October 1987, but do please submit as soon as possible, typewritten if possible please.

Ballot Papers: These will be sent out as an insert with the October issue of the Journal.

Dinner/Dance - 8th January 1988. Details in October issue of the Journal.

THE USE OF

AUTOMATIC ACTIVATION DEVICES (AADs)

As a result of two Student fatalities in 1986, the question of the mandatory introduction of the use of AADs on reserve parachutes for Student Static Line Parachuting became a subject for debate and discussion. In consequence, a member of the BPA Safety and Training Committee (STC) agreed to chair a Working Party to consider the matter in the light of present day circumstances, and to produce a report giving as much information as could be gathered, and without necessarily making recommendations. This paper, which should still be considered a draft (as it has not yet been taken by the STC) is the result of that work.

AADs were introduced from the USA in the early 1970s as a means of activating the reserve parachute in the event that the parachutist was descending through a pre-determined height at an excessively high rate of descent. This type of situation normally occurred when the main parachute malfunctioned and the parachutist did not, or was unable to, activate the reserve parachute. Naturally almost all these types of incidents occurred with Student Parachutists. A typical setting height for AADs is 1000 feet AGL, at which height a parachutist at terminal velocity is five seconds from impact.

The use of AADs soon became mandatory in British military centres where at that time full-time student courses were being run and the throughput of students was higher than at British civilian centres. There were several successful activations, including one involving the then Chairman of the Army Parachute Association (APA). Some civilian clubs and centres also equipped with AADs at this time.

The *Sentinel 2000* was the first type of AAD introduced but it was relatively fragile, and although it is still being used successfully in some clubs today, it was generally superseded by the *FXC 8000*, and then the *FXC 12000* which were much more robust equipments. All *FXC 12000* models are of similar external appearance, but over the years many internal modifications have been made to improve reliability, and current models can be considered to be state of the art.

AADs did not gain universal acceptance during this period because they were not reliable. That is they were prone to damage (in the case of the *Sentinel 2000*), and they had a tendency to misfire, by which is meant that they might activate for no apparent reason before, during or after a normal descent. Not unnaturally these factors led to a climate of distrust which persists in some circles to this day. Moreover, the absolute requirement for their use for Static Line Parachuting appeared to diminish as new canopies and better Student Equipments were introduced, leading to a great reduction in the number of malfunctions experienced. So much so, that the APA briefly discussed in 1985 withdrawing its requirement for the mandatory use of AADs for students. It decided not to, and the tragic events of 1986 appear to have justified its decision.

A survey was conducted during the preparation of this paper to establish AAD usage in BPA clubs, and the results show that about 60% use them in one way or another. There appear to be three main categories of operators:

1. Those which use AADs for all student operations. This category includes the military clubs and centres and a number of civilian clubs operated by ex-military CCl's.
2. Those which use AADs for students on early free-fall but do not use them for static-line parachuting.
3. Those which use AADs for Accelerated Free-Fall (AFF) (where their use is a BPA STC mandatory requirement) but do not use them for other student parachuting.

It is clear, therefore, that AADs are in widespread but not universal use. However, it does appear to be the case that CCl's are very selective in their justification of the use of AADs. For example, the necessity for using AADs when operating an AFF programme is not disputed yet some of those operators argue that they should not be used for students on static-line descents because of the possible risks attached to their use, eg, premature firing in the aircraft or during exits. For an explanation of this point of view it is necessary to consider what the position was about five or six years ago and to compare it with the situation today.

It is recognised that unreliability was a feature of AADs when they were first introduced into this country. Their relative fragility; their comparatively immature state of development; the lack of a maintenance facility in this country and a lack of understanding by operators of their internal mechanisms and the requirement for careful handling probably contributed to this unreliability and, consequently, to the mistrust that developed at that time, and which persists to this day.

In essence, the reservation most of the opponents of AAD express is their genuine concern that an AAD will malfunction either in the aircraft or during exit and cause, in the worst case, the loss of the aircraft and its occupants. It is clear that this is a heart-felt view expressed, in some instances, by operators who initially used AADs but abandoned them as a result of their experience of premature firings and unreliability. The result is, that these operators demand an AAD which is totally reliable. It is difficult to consider this as a reasonable demand as no other equipment used in parachuting has this requirement placed on it and the whole subject of AAD use is being discussed because, in one of the incidents in

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1986, a student was killed because the main parachute malfunctioned, and he did not operate his reserve parachute in time. This is precisely the situation which the use of AADs is designed to prevent.

Although occasional AAD malfunctions are still reported there have not so far been any incidents associated with them and the number of malfunctions being reported is, in any event, very low. The only fatality attributed to AAD use occurred in 1985 in New Zealand, where a student descended out of control to about 1000 feet before deploying the main parachute; the AAD functioned at about the same time, deploying the reserve parachute, and this stopped the slider descending. The student subsequently suffered fatal injuries.

There is evidence that AADs have saved lives in this country and those now using them have confidence in them. There is no evidence that they have caused injury or death, apart from the one incident described above. It must be concluded therefore, on the evidence available, that AAD malfunctions are not necessarily dangerous, but are most likely to be, at worst, inconvenient.

There is evidence to suggest that AAD malfunctions are less likely to occur if these units are maintained on a regular basis. This allows the calibration to be checked; the replacement of worn parts; and the incorporation of new modifications. There is only one FXC 12000 servic-

ing and maintenance facility in the UK, at the JSPC (Netheravon), and this has been able to cope with the requirements of both the military and civilian clubs. However, the use of AADs by all other clubs would create a requirement for another facility to be established, as the JSPC (Netheravon) could not cope with the increased demand. It would still be possible to get units serviced abroad but this has proved, in the past, to be unacceptably difficult. The paper written by Jim Walmesley on the functioning and handling of the FXC 12000 is the best source of reference on this topic.

The evidence suggests that the use of AADs could help to prevent the unacceptable - that is, the death or serious injury of a static-line student in the event of a main parachute malfunction. They also have benefits in other forms of student parachuting. There is no evidence that AAD malfunctions cause incidents although there is clearly a possibility that in certain circumstances they could do. The likelihood of an AAD malfunctioning is reduced if it is regularly serviced and maintained. Adequate facilities for this do not exist in this country. Should the use of AADs be recommended by the BPA STC it will need to take these factors into account and inform the BPA Council that financial assistance would be needed, both to establish a servicing and maintenance facility, and to help clubs purchase AADs.

BPA INSTRUCTOR LIST - as at June 1987

INSTRUCTOR LIST JUNE 1987

* A=APPROVED, ADV=ADVANCED,
E=EXAMINER, T=TEAM
AFF=ACCELERATED FREE FALL
AFF(JM)=AFF JUMPMASTER

Name	Status*	Expiry Date 31st March	BPA No	FAI No
Applegate P.	T/AFF	89	015431	1590
Altken I.	ADV/AFF	88	060423	3022
Allen C.	A	88	091840	
Allum P. A.	A/AFF/T	88	065607	3627
Ames R.	A/AFF	88	027179	3639
Anderson I. A.	A/T	88	050675	3622
Anderson B.	A/T	88	160676	4824
Andrews K.	A	89	029477	2697
Andrews T.	ADV/E/AFF/T	88	006143	0760
Apps S.	A/T	89	175342	5785
Armstrong R.	T	89	119288	
Arundel G.	A	89	159259	5413
Ashton A.	ADV/E	88	015472	1998
Atherton R. N.	A	88	016924	1508
Austins C. J.	A	89	013537	1358
Austin P.	A/AFF/T	88	053358	3474
Bellance C.	A	89	139271	5720
Barclay G.	T	89	347803	
Baflow P.	A	89	044118	3023
Barnes W. J.	ADV/T	88	005830	0872
Bartholomew R.	A	89	080792	3916
Bartholomew S.	A	88	041455	3483
Batt J. B.	A	89	017936	2158
Beaven D. R.	A/T	89	017739	1803
Beck P.	A	89	021996	2715
Bedigan P.	A/T	88	029105	2530
Bell J. G.	A	89	050064	3457
Bell L. J.	A	89	041274	3410
Best S. P.	ADV/T	89	076823	3636
Beynon M.	ADV	89	004983	1006
Blas B. A.	ADV	89	025381	2390
Bird D. M.	A	88	054372	4498
Birkett R.	A	88	127541	5638
Bishop I.	A	89	039915	3059
Bissett R.	A	88	045914	3372
Bland K.	A	88	082985	3963
Boardman J.	A/AFF/T	88	033838	3137
Boersma D. M.	A/AFF/T	88	046107	3754
Bolton M. E.	ADV	89	005114	0875
Bonnell A. G.	A	88	027063	2042
Boxall J.	ADV/T	88	005455	0849
Brander A. M.	A	89	052521	3608
Browell R.	A	88	027880	2226
Brown R. A.	A	89	115206	5029
Buchanan D.	A/T	89	087934	4362
Buckle J.	ADV/AFF/T	88	062189	3363
Buckle R.	A	88	044997	3573
Burchell K. J.	A	88	035315	4273
Burn R. K.	ADV	89	003445	0712
Butler T.	ADV/E/AFF/T	88	017540	1812
Byers D.	A	89	122618	4955
Caddis S.	A/T	88	088893	4748
Campbell G. H.	A	89	075546	4445
Card R. G.	ADV	88	001927	0396
Carroll E.	A/AFF/T	89	116942	4840
Carroll P.	A	89	050269	3145
Cartler J. C.	A/T	89	015387	1719
Cavanagh P. D.	ADV/T	89	002817	0589
Casford I.	A	89	146169	5408
Chadwick D.	A/T	89	036785	2709
Chandler A.	ADV/T	89	054448	0858
Charters B.	ADV/E/AFF/T	88	012675	1426
Clements C.	A	89	036168	3140
Coffey J. P.	ADV	89	000662	1098
Coleman L.	A	88	145708	5390
Collingwood	ADV/E/T	88	008544	1173

Colpus R.	A/AFF	88	013738	1506
Cooch M.	ADV/AFF/T	89	050458	3525
Cooper L.	A/T	89	015157	2637
Cooper R.	A/T	88	056513	3873
Copestake G. S.	ADV/E	89	033606	2816
Corkish G. W.	A/T	89	140288	5268
Cox D. J.	ADV	88	028580	3180
Cox G.	A/T	88	097332	4413
Crocker J.	ADV/E	89	002060	0493
Cummings B.	T	89	264619	
Curtis J.	A	89	001872	0835
Curwen D. J.	A	88	083038	4092
Davenport A. C.	A	89	033217	2889
Davis F.	A	88	031494	2698
Day A. A.	A	89	062838	3769
Daykin K.	ADV	89	066321	4018
Deakin D.	A	89	034496	2778
Decoteau M.	A/AFF	89	281293	7278
Diamond J.	ADV	88	021804	2723
Dickens P.	A/T	88	305651	
Dicker M.	A	88	081558	4629
Dixon A. J.	A	88	145201	5028
Dixon C. N.	ADV/AFF/T	88	031877	2896
Dobson T.	ADV	89	079012	4025
Donaldson C.	ADV/T	89	040994	3195
Douglas G.	ADV/E/T	89	008956	1103
Drew S. T.	A/T	88	028581	3702
Duterte P. M.	A	88	124032	4962
Dyas B.	ADV/E/AFF/T	88	028461	2921
Dyas J.	AFF	88	062734	3726
Ellams T.	A	88	083362	4095
Ellis G.	ADV	89	003432	0633
Ellis R.	ADV/E/T	88	031182	2523
Emerson D.	A	88	122418	5022
Escott B. C.	A	89	007808	1150
Evans G.	ADV	88	040675	3152
Everett N.	A	88	037109	4196
Fenwick P. W.	A	88	033491	2873
Fernie G.	ADV	88	001859	0546
Fildip P. K.	A	88	107447	5299
Fielding A.	A	88	133326	5804
Fisher D. D.	A	88	002164	0733
Fisher K. J.	ADV	89	250175	2045
Fitchett S.	A	88	155901	5395
Fitzmaurice C.	AFF(JM)	89	058412	3782
Flack C.	A	89	025366	2991
Fletcher J.	A	88	116691	4985
Fletcher J. F.	A	88	044893	3266
Fowler J.	ADV	88	000339	0611
France J.	ADV/AFF	88	016431	1676
Francis C.	ADV/AFF/T	89	18247	
Freeman M.	A	89	031364	3147
Frith J.	A/T	89	138139	5686
Gallacher B.	A	88	176290	5463
Gedge S.	A	88	079110	4063
George L.	ADV/E/AFF/T	89	025611	2869
Gleave J.	ADV/T	89	047215	3689
Gnapp G. M.	A	88	036991	3017
Goddard G.	AFF/T	89	051483	3795
Goodwin D.	A	89	058632	3277
Goss C.	A	89	018509	2447
Goulding A.	A	89	084555	4335
Graham J.	A/T	88	089155	4586
Graham M.	A/T	88	089210	4014
Greenfield M.	A/T	89	190106	5904
Greenwood B.	ADV	88	021484	2702
Gregory K.	A	88	060474	3784
Grice A. M.	A/AFF	89	032709	2439
Guthrie M.	A	89	204403	7944
Halford R.	A	88	029492	2911
Hamilton N.	A	88	136058	5504

Hammerton K. G.	A	89	097354	0758
Harman B.	ADV/E	88	006065	0756
Harrison F.	A	88	091849	4492
Haring M.	A	88	156492	5713
Harrison N.	A/AFF/T	88	042738	3184
Harrison R.	A	88	026734	2294
Haxton R.	A	89	043347	3086
Haylock I.	A	88	006116	1600
Heaton A.	A	89	072858	5410
Henderson B.	A/AFF	88	099495	4500
Hiatt B.	AFF(JM)	89	003716	0679
Hickling D. T.	ADV/E/AFF/T	88	011588	1471
Hicks R.	A	88	022090	1888
Hitchen J. H.	ADV/E/AFF/T	88	015633	1792
Hodgson P.	A	88	108044	5021
Hoe R.	A	88	088166	3682
Hone D. R.	A	89	040396	3276
Hopper K.	A/T	89	134443	5037
Horan G. J.	ADV	88	010700	1318
Home J.	ADV/E/AFF	88	044139	3118
House A.	A	89	122196	4916
Howerski D. L.	ADV/E/AFF	89	006508	1027
Hucker B.	A/AFF/T	88	045236	3692
Hudson P. E.	A	88	079663	4291
Hughes K.	A	88	131909	4931
Hutchinson S. J.	ADV/T	89	037845	2936
Illidge R. J.	A/T	88	009419	1137
Inch T.	A	89	145743	5005
Johnson T.	A	89	059495	3483
Johnston D.	A/T	89	105971	4753
Jones A. D.	A/T	89	099402	4644
Jones B.	ADV/T	89	017713	1709
Jones D. J.	ADV	88	006979	0809
Jones D.	A	88	017142	4284
Kalinski D.	A/T	89	015559	1670
Keeble G.	A	88	042169	3341
Keen J.	A	89	005323	0715
Kelly D. B.	A	88	067101	3690
Kempson M. A.	A	88	051804	3583
Kenny D. C.	ADV/T	88	006717	0940
Kirkman G. F.	A	89	008145	0958
Knight A. G.	ADV/E/T	88	001573	0285
Laitwhaithe B.	ADV	88	010724	1248
Lambe S. D.	ADV	89	000375	0225
Lsmbert P.	A	89	173902	5054
Lambson P. W.	ADV/E	89	028637	3354
Law N.	A	89	002136	0517
Lawry G.	ADV	89	007903	1544
Lawington E. T.	ADV	89	005382	7182
Lines J. K.	ADV/T	88	022451	2280
Lloyd C.	A	89	002818	0605
Lloyd K. G.	A	88	065582	4444
Louttit L. A.	ADV/T	88	004001	0787
Lowe J. R.	A	89	046097	3235
Lyall C.	ADV/T	89	015257	1898
Mackie T.	A	89	037529	2605
Mallinson C.	A	89	117961	5163
Mapplebeck K.	ADV/E/T	88	001035	0327
Marsden P.	A/T	88	031692	2887
Marsden R.	A/T	88	009530	1335
Marsh S.	A	88	137239	5380
Marshall I.	A/T	89	011128	1577
Martin F.	A	89	030054	2808
Mayo J. S.	A/T	89	056821	3623
Meacock J.	ADV/E	89	000578	0254
Melner N.	A/T	89	033798	2576
Melville L.	ADV	89	001016	0228
Mercer P.	ADV	88	014945	2240
Midgley I.	A/T	89	039811	3746
Mills G.	A	89	027904	2746
Milne S.	ADV	89	007523	0884
Mislaoui M.	A/T	89	115713	5054

Mitchell J.	A	88	033198	2856	Plank S. P.	A/T	89	043208	3223	Smout P.	ADV	88	015132	1306
Moffat D. R.	A	88	039216	3150	Pollett C.	A	89	017331	2041	Soutar B.	A	89	139140	5310
Morgan A. W.	A	88	073409	3988	Price M.	A	88	116985	5003	Soutar P. A.	ADV/AFF	88	005594	0998
Morris A. G.	ADV	89	008163	1047	Prince J. D.	ADV/E	89	001880	0591	Spencer D.	A	89	017175	1805
Morris B.	A	89	115808	5865	Pushman B.	A/T	89	031941	2563	Spencer J.	A/AFF/T	89	029279	2531
Morris D. T.	ADV/E/AFF/T	89	050679	3376	Ramsey M.	A	89	116004	4762	Spencer J. E.	A/T	88	079102	3804
Mortlock M.	ADV/AFF	88	060507	3464	Rhatigan J. F.	ADV	89	187348	7070	Spoors E. R.	A	89	039178	3197
Mosettig P.	A/T	89	160497	6062	Redfern R.	A/AFF/T	89	065959	4289	Steele J.	A/T	89	008905	1843
Muir D. T.	A	88	088162	2566	Reece M. A.	A	88	146886	5575	Sturivant R. A.	A/AFF	89	099319	4531
Munn M.	ADV	89	012341	1374	Reynolds P.	ADV/AFF/T	88	099476	2240	Sullivan P.	A	88	065172	4059
Munro A.	A	88	006032	1370	Rigby Q. J.	A	88	016427	1500	Swan J.	A	88	017022	1879
McBride B.	A	88	069477	3921	Ring A.	A/AFF	88	034994	2803	Taylor S.	A/AFF	88	050619	3494
McBrine S.	ADV/AFF/T	89	038284	2886	Ritchie D.	A/T	88	006634	0964	Thackray J.	A	88	063748	4532
McCarthy D. P.	ADV	89	000949	0152	Roberts G. V.	A	89	140287	5007	Thomas C.	AFF	88	013708	2387
McCarthy K.	A	89	113386	4799	Robertson E.	A	89	013964	1322	Thomas S.	A	89	025995	2366
McCarthy M.	A/T	89	040413	2682	Robertson G.	A	88	131914		Thomas S.	ADV/AFF/T	88	043053	3913
McCullough D.	ADV	88	053525	3394	Rogoff N.	A/AFF/T	88	083140	4215	Toms I. R.	A	89	109165	3909
McGill B.	ADV/E/AFF/T	88	038285	2888	Rose A. E.	A	88	002587	0584	Thomson G.	A/T	89	185039	5735
McGuinness G.	A	88	068638	4090	Rosevinge I.	A/AFF	88	082116	3984	Thorne D.	ADV	88	006323	0882
McIlwee K.	ADV/AFF/T	88	012768	1898	Royce E.	A/T	88	012902	1832	Thornton A. J.	A	88	038498	2819
McLaughlin G.	ADV	88	037994	2916	Ruffell D.	ADV/T	89	080782	4056	Threlfall M.	A	89	049573	2771
Nelson-West B.	A	89	030412	2478	Rule A.	A	88	101539	1640	Thurman M.	A/T	89	017532	1683
Nicholson J.	A/T	88	035792	2733	Ryan S.	A/T	89	079872	4208	Townsend M.	A	89	023622	1979
Nisbett N. H.	ADV/E/T	88	025482	2112	Ryland F.	ADV	89	021858	1800	Townsend K.	A	88	064533	3538
Noble K.	ADV/E/T	88	004298	0716	Saunders J.	A	88	106728	4498	Townsend M.	A/T	88	026636	4486
Noble R.	A	88	032132	3470	Saunders K.	A/T	88	131914	5491	Trace T.	A	88	082346	4439
Noble-Nesbitt R.	ADV/E/T	88	006461	0881	Scarratt J.	A/AFF/T	89	104710	4724	Travers J.	A	89	159600	5571
Norris G. C.	A	88	014409	1602	Scoular B.	ADV/AFF	89	027200	2212	Tucker D.	ADV	88	025780	4065
Norris J. R.	ADV	88	002363	0523	Schofield D.	A	88	016223	1420	Turner D. L.	ADV/E/AFF	88	028362	2190
Norwood N.	A	89	029417	2433	Sharp W. J.	ADV/AFF	88	033220	2440	Turner J.	A/AFF/T	89	083088	4580
Nundy S.	A	89	037800	3298	Sharples J. R.	ADV/E	89	001891	1123	Tychoat D. J.	ADV	88	007723	1930
Oakes A. C.	A	89	023160	2121	Shaw B. M.	A/T	88	016786	1091	Waddington D.	A	89	031818	2535
O'Brien R. L.	ADV/E/AFF/T	88	003550	0684	Shea-Simonds C.	ADV/E	89	000475	0192	Wagstaff S. P.	A/T	88	066631	5306
O'Hara G.	ADV/E/AFF	88	001511	1830	Sheridan M.	ADV/AFF/T	89	015770	2197	Walters J. P.	ADV/E/AFF/T	88	016768	1503
Oldrey T.	A/T	88	026711	2408	Shout S.	A	89	005044	0810	Ward D.	A	88	083810	4012
Osgood P. J.	A/T	89	075424	4154	Shuttleworth J.	A	88	092429	4710	Watson-Clark N.	A/AFF	88	097331	
Page A. C.	A/T	89	051095	3094	Simpson T.	A/T	88	066999	4890	Webb S.	A/T	89	175260	5770
Page J.	A/T	88	009877	1235	Sinclair A.	ADV	88	005383	0963	White J.	A/T	89	094456	5168
Palmer D. A.	ADV	88	005327	0709	Skeet M.	ADV/T	88	025780	2106	Wigg M.	T	89	097615	4414
Parker B.	A/T	89	073858	3817	Skellely K.	ADV/T	89	082983	3843	Wilkinson D. M.	A	88	021013	2094
Parker K.	A	89	087387	5916	Slattery V. C.	A	88	007851	2329	Williams R.	A	89	077024	7055
Parker P. D.	ADV	89	009989	2153	Slattery P.	ADV	88	000258	0157	Williamson J. D.	A	89	92409	4807
Parry R. J.	A	89	002735	0586	Smith A. W.	A	88	059210	3407	Willis R. J.	ADV	89	005542	0997
Patrick M.	ADV/T	89	082832	2349	Smith B.	A	88	086800	4497	Willoughby J.	A	89	158461	7014
Peacock D.	ADV	88	000125	0068	Smith E. H.	A	89	000759	0216	Wilshaw M.	A	89	036374	2994
Pennington G. W.	A	88	065433	3704	Smith F. C.	A	88	059164	3244	Wilson C. G.	A	88	030642	2631
Penny M.	A	88	147577	5292	Smith M.	A	89	083473	4388	Wood S.	ADV	89	016912	
Phiлип A.	ADV	88	052934	3125	Smith P.	A	89	150620	5097	Woods D. L.	A/T	88	012600	3842
					Smith R.	A/T	88	082077	4447	Wright A.	A	89	124389	5132

FIRST CHINA BOOGIE

The first boogie to be organised by and for Western jumpers in the People's Republic of China (PRC) was successfully staged in Hainan during the first week in June. Hainan Island enjoys the similar climatic conditions as Hawaii, sharing the same latitude as it does.

The Hainan boogie was organised under the auspices of the Joint Service Parachute Centre, Hong Kong in co-operation with The People's Liberation Army South Sea Fleet Aircraft Division (or The People's Liberation Army Fleet Air Arm).

Eight Antonov II bi-planes and four pilots were made available by the PLA Fleet Air Arm. Jump altitude was 10,000ft AGL. Some seventeen lifts and one hundred and thirty-seven jumps were made during the course of the four days of the boogie.

Although small in size with only nineteen jumpers in attendance, this was a significant event – in terms of the potential it opens up for larger, international meets in China in the future and also as a milestone in skydiving history. It certainly bodes well for future co-operation.

On this occasion it was unfortunately not possible to use the aircraft or the pilots provided by the Chinese to full capacity – we really needed double the number of jumpers to keep them busy. Ironically, it was the Chinese who apologised for inadequate facilities when we were already unable to optimise what we had! It seemed that our hosts just could not do enough for us.

Students at varying stages of their freefall and WARP programmes (there were no static line jumpers present) were supervised by the Hong Kong JSPC instructors, headed up by Matt Patrick and Andy Rule, and civilian instructor, Bob Noble – sadly soon to be lost to Netheravon on his impending return to the UK. An Accuracy competition was won by Nigel Francis. Hong Kong's jumpers normally, used to a Cessna 182 and ceiling of 8000ft, made the most of the extra altitude and capacity provided by the Antonov IIs.

A public holiday was declared on Saturday 6th June to allow the population of Haikou to watch the display jump into 'People's Square' – typical of the reception we received from the Chinese.



The jumpers, carrying fire crackers and flags, were more than enthusiastically received by the crowd.

One unfortunate incident involved Jimmy White who broke a foot attempting a roof landing after doing CRW.

In the final event a lot of hard work was rewarded with worthwhile results. It is hoped – by our hosts, General Chin and the Mayor of Hainan, as well as the jumpers of course, that there will be many more and bigger boogies at Hainan.

The jumpers involved were: Matt Patrick, Andy Rule, Bob Noble, Martin Robson, Ron Fitzpatrick, Peter Howell, Jim White, Stuart Morton, Jimmy Sinn, Gary Lai, Charlie Wong, Chik Chi Hoi, Nigel Francis, Peter Hayes, Trevor Edge, Janet Weldon, Jenny Yuen, Joachin Arndt and Pauline Richards.

Thanks must go to the Hainan authorities, the pilots, JSPC, the Haikou Tower Hotel, David Huizer for running an efficient manifest and Martin Robson, the tour organiser and key co-ordinator of the boogie who could well be the most junior skydiver yet to organise a boogie. (Martin graduated to Cat 8 at Hainan!)

It is intended to attract prospective visitors to future boogies with the offer of tour packages, incorporating special economy flights, discounted accommodation at Haikon Tower Hotel and tours of the Far East if required. Interested parties should contact Matt Patrick, CCI, JSPC Hong Kong – Borneo Lines, British Forces Post Office 1, Hong Kong, Telephone NT-0-4837221.

PAULINE RICHARDS (D418)

The 1987 Scottish Nationals and Open Parachute Championships

The 1987 Scottish National and Open Parachute Championships saw some of the best weather in Britain gracing the Scottish Parachute Club at Strathallan where over 65 skydivers converged to do battle to win some of the most valuable trophies in skydiving. Scotland was honoured with some big names such as The Red Devils and Tony Butler (?!) – so the competition was quite fierce.

On the first day, the weather only gave us a cloud base of some 3000ft so into the Accuracy we went. The Freds took the lead immediately, – well, they were drawn first! – with Odds & Sods and Shambles close on their heels. With round one complete, the skies opened tantalisingly with fluffy clouds at 2000ft making it difficult for the BPA ground-to-air video to see any RW so, on with the Accuracy.



'Shambles' displays its deservedly won hardware

The pressure was obviously getting to Eddie Carrol as he dropped a big 2.32 which held the team back quite a bit. Julian Spencer jumped well, with the most consistent scores, getting 4 points (4 pad strikes) all under 0.04, giving him first prize in the Individual Accuracy. Odds & Sods and Shambles then moved up the pressure with John Smyth and Jim Scarrat of Odds & Sods getting good scores in all four rounds, scoring 4 points each.

Billy Sommerville, Chris Clements and Andy Law were doing well until round four where they were all off the pad and so they had to rely on Barry Henderson to get Shambles the Team Accuracy prize, scoring 4 points with a total of 0.09. Odds & Sods (Alan Dumbell, John Smyth, Dave Crowhurst and Jim Scarrat) took second prize, with The Red Devils (Julian Spencer, Eddie Carrol, Dixie Dixon, and Phil Richmond) having to be content with third in the Overall Accuracy. In the Intermediate Accuracy, Keith Lallyette got the Gold, Mark Hancock the Silver, and Stuart Williams the Bronze. The Novice Accuracy was won by John Andrews, second was Laurie Scott, and third Albert McGilvray.

Sunday dawned bright, and early morning mist burned off quite quickly, revealing blue skies and sore heads from the Disco the night before! The Red Devils were most distressed to read a headline in a local Sunday newspaper stating . . . 'Red Devils Dumped' . . . and going on to say that ' . . . local boy Billy Sommerville crashed the Freds into third place . . .'. The gauntlet was firmly thrown down for the RW and Style events, which then got under way.

Unfortunately, the 206 from Leeds, developed a problem and flew home, leaving us with only the Club's 206 and Ronnie Groats 207, to jump off eleven RW teams and thirteen Style jumpers. Lots of telephone calls later, Brian Bailey from Fife Parachute Centre flew in with his 206 to help us through the RW.

Round one saw The Red Devils take the lead scoring eight points, with Tony Butler's team Gola tying with Bouncing Bob and The Haircuts on 6 points. Shambles only managed 5 points, much to The Fred's delight.

Round two had Gola looking strong, scoring seven points, putting pressure on Bouncing Bob and The Haircuts (Richard Buchan, Rocky Stewart, Bounty Gordon and Kenny Sinclair) who, with a mixture of Brain locks and hangovers got a disastrous three points, with Shambles pulling up with a good six points. At this stage the clouds came rolling in with only The Red Devils left in contention still to jump. They went up twice, and landed with the 'plane twice, with the cloud cover getting worse.

Billy Sommerville then threatened The Red Devils with another possible newspaper headline of . . . 'Red Devils refuse to jump twice' . . . They were not amused!

Monday presented us with bad visibility, 600ft cloud base and a freezing wind straight from Siberia.

Tom Oxley the meet Director and Richard Buchan, SSPA chairman decided to call it a day at 2 o'clock for the Prize Giving. The clouds immediately decided to make way for blue skies which had everyone dashing back and unpacking rigs and ground-to-air videos to get The Red Devils jumped so that we could call a meet in the RW.

They agreed to go up with Air-to-Air video which was used to judge them and were scored nine points giving them the Gold. Gola took the Silver, and Shambles took the bronze. Intermediate RW was won by Sudden Impact (Colin Bridges, Duncan Chestnut, Bill Strain and Douglas Malcolm).

The weather then became so good, we decided to have a go and get two rounds of Style completed, which was done. Barry Henderson took Gold in the Style with Julian Spencer second and Chris Clements third. Lynn McNeill took the Gold in the Intermediate Style with Eileen Henderson second and Mark Hancock third.

The Prize Giving eventually got started at The Golf Inn in Auchterarder at 9pm. Shambles and Red Devils were equal for the Chandy Bowl for Best Overall team. In this instance the best Accuracy scores were taken, which gave Shambles Best Overall. Best Lady and Highest placed Scottish competitor was Chris Clements. Highest placed University Student was Rocky Stewart. Julian Spencer and Barry Henderson were equal for Best Overall Individual, but much to Barry Henderson's disappointment, best Accuracy scores were taken, giving Julian Spencer the magnificent Chandy Trophy.



Competitors, officials and friends

Many thanks must go to Tom Oxley, Meet Director, Roger Flynn, Chief Judge, Diane and Pierre Dutetre, and Pete Halfacre.

Dave Buchanan from Headcorn did an excellent job on the BPA video with his many helpers; Brian Conlon and Babs Henning on Manifest; Recorders Bob Thomson and Sandy Oliver; Pilots Bill, Paul, Dave and Brian; Canteen ladies; Ian Robertson as Chief Rigger; Rob Noble-Nesbit, Kenny Sinclair, Alison Gilmour and Sandra, and last but by no means least, Fred Leary as trainee Judge, Competition committee member and the target for all the flack!

The Scottish Parachute Club were excellent hosts (can any other DZ in Britain boast such magnificent scenery?) and, of course, thanks to all the competitors who made it such an excellent competition.

See you all next year.

Richard Buchan, SSPA Chairman

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BRITISH PARACHUTE ASSOCIATION

Safety and Training Committee Meeting Minutes

The Post House Hotel, Leicester
Thursday, 4th June 1987 – 7.00pm

Present:

J. R. H. Sharples
S. Lambe
K. McIlwee
D. L. Howerski
D. Turner
M. Skeet
P. Cavanagh
G. Ellis
D. Palmer
K. Daykin
P. Lambson
J. Wright
J. Ball
D. Tucker
A. Collingwood
T. Dobson
M. Beynon
L. George
D. Parker
D. Prince
K. Noble
J. Meacock
D. Hickling

Chairman *STC*
LPS
Flying Tigers
Swansea
London Skydiving
FifePC
Black Knights PC
Pilgrims Parachute Centre
Shropshire
Montford Bridge
JSPC (N)
Riggers
Pilots
Thruyton
A1
LBFFC
Badminton
Tilstock
Headcorn
NWPC
Border PC
PPC
BPS

Apologies for absence:

T. Knight, M. Bolton, A. Chandler, R. Noble-Nesbitt, D. McCarthy, D. Thorne.

In attendance:

J. Curtis
J. Hitchen
C. Gilmore

Council
JNC SO
NDO

Observers:

C. Fitzmaurice, D. Harrison, J. Travers, S. Grayling, H. Harber.

Item 1 – Minutes of STC Meeting of 23rd April 1987

It was proposed by D. Tucker and seconded by K. Noble that the minutes of STC meeting of 23rd April 1987 be accepted as a true record.

Carried unanimously
AllCCIs

Item 2 – Matters arising from STC Meeting of 23rd April 1987

a) The definition of split drop zones was raised. **A. Collingwood** said he thought it to be a DZ 2000 metres or more from the explaining point. This will be clarified at the next meeting. JNC SOs

b) The report by **S. Lambe** on AADs will be sent out to all CCIs as soon as possible. CCIs

c) The Chairman stated that on the item concerning Centre Base Break Tie, the BPA office would not be holding a stock of these, but **A. Knight** will hold a stock. CCIs

d) **J. Hitchen** and an Advanced Rigger had not as yet visited TSE but will be doing so at the earliest opportunity for TSE. TSE/JNC SOs

Tandem Vector

e) Correspondence from the Relative Work Shop has now been received at the BPA Office. Information will be sent to CCIs and Tandem Instructors.

Blind People to make S/L jumps

f) A letter had been received from R. Noble-Nesbitt opposing this request. The Committee was unanimous in the opinion that blind people should not make S/L descents and could see no reason why representation should be made to this Committee concerning this matter.

Item 3 – Approval of Riggers Minutes of Meeting of 23rd April 1987

The above minutes were approved.

J. Wright stated that there had been discussion on an alternative method for qualifying Riggers. As this involved **A. Knight** who could not be present at the meeting, this will be put back to the next Riggers Meeting.

Item 4 – Instructor Course 2 – '87

J. Hitchen thanked London Skydiving for its facilities and to the Examiners for their help and work throughout the Course.

Recommendations from this Course, that **P. Lambson** and **L. George** be awarded Examiner status.

That the following be given six month extension to their PI ratings: **Paul Norman, Alex Gaze and Charlie Field.**

Item 5 – Disciplinary Committee Report

Following an incident at Swansea Parachute Club which was reported to the BPA office by D. Howerski, both JNC SOs decided to call a Disciplinary Committee Panel. The incident was that a 10 second delay student was despatched by a 'C' Licence holder.

The Disciplinary Panel felt that a serious breach of the Operations Manual has occurred which could have had potentially much more serious consequences and that disciplinary action is called for.

The panel took the following mitigating factors into account:

- 1) The incident was a genuine error which **Mr Howerski** deeply regrets.
 - 2) **Mr Howerski** had no hesitation in reporting himself to the Association.
- The panel made the following recommendations:

- 1) That Mr Howerski's Examiner rating suspended immediately for a period of six months.
- 2) That following that period the rating be re-instated, provided that during that time Mr Howerski has executed his duties in his normal conscientious manner.

At this point observers were asked to leave the Meeting whilst this matter was discussed.

Mr Howerski described the incident in full which involved a premature reserve deployment in the door of the aircraft. The jumpmaster concerned successfully despatched the student and there was no damage to the aircraft or student.

After some discussion in which the Committee unanimously felt that this was a genuine error on Mr Howerski's part.

Because of the serious breach of the Operations Manual, the recommendations of the Disciplinary Panel would be actioned.

Unanimously agreed
JNC SOs

At this point observers were asked to re-enter the Meeting.

Item 6 – Incident Report Résumé

a) An incident involving a BPA Instructor being evaluated from a Tandem Instructor Rating was reported by **J. Hitchen**. The Instructor carrying an experienced parachutist as a passenger, exited the aircraft at 10,000 feet and experienced difficulties in deploying the drogue chute, even though several attempts were made. This resulted in a very low reserve opening.

Long discussion took place with input from **P. Lambson, P. Cavanagh** and other Tandem Instructor. **J. Hitchen** informed the meeting that a provisional date (7.7.87) has been set for a meeting of Tandem Instructors and all other interested parties to discuss evaluation and tandem jumping in general.

JNC SOs Tandem Inst. CCIs

b) A report had been received of a parachutist landing near to aircraft. The Chairman expressed his concern and asked all CCIs to take great care and keep in mind the massive insurance claims that may be made from damage to aircraft.

CCIs

Item 7 – Drop Zones

a) **J. Hitchen** has checked a new proposed DZ for A1 and found it to be within the parameters of the Operational Manual.

JNC SOs, A1

b) A second DZ was proposed by **A. Collingwood** at Rectory Farm. This was supported by a letter from **D. Turner** who was present at the meeting. **A. Collingwood** asked that 'Rectory Farm', Abbotsley, which at this time is a restricted drop zone, be given clearance as an unrestricted drop zone, two target areas were proposed.

Maps of the proposed dropping zone had been put around the table by **A. Collingwood** with a letter from **D. Turner** who stated he had been asked to recce the DZ as an independent examiner and supported the proposal.

J. Hitchen stated that the JNC SOs had not nominated **D. Turner** as an independent examiner and that he and **A. Butler** had done the recce at this DZ 14 days ago on the 15th May 1987, and that **J. Hitchen** had been at Rectory Farm last Saturday, 30th May 1987, and could not support the proposal because of the hazards infringing into the 600 yard and 1000 yard areas, **J. Hitchen** also stated that the 600 yard circle on the map, attached to **D. Turner's** letter, was in fact incorrect and represented a much smaller area and that he was concerned that the aircraft would at times have to take off down wind.

Mr D. Harrison then stated that he was Chief Pilot at A1, had a commercial rating with over 5000 hours flying experience and that in his opinion it was safe to take off from this runway down wind and that the measurements on the map were correct and that the CAA had been to the DZ. Several members of the Committee stated that the BPA inspected

DZs and advised the CAA afterwards. At this point **D. Turner** stated that the measurements of the 600 yard circle were incorrect and that this was not the map he had produced.

Some further discussion took place. Two proposals were made:

1) That Rectory Farm be rejected as an unrestricted DZ.

Proposed by **P. Cavanagh**, seconded by **D. Howerski**.

2) That the Chairman of STC with another Examiner visit the DZ and put their proposals to this Committee.

Proposed by **A. Collingwood**, seconded by **D. Prince**.

There were 6 in favour of the first proposal and 12 in favour of the second.

The Chairman said he would visit the proposed DZ as soon as possible.

Item 8 - Letter from K. Noble

A proposal by **K. Noble**, seconded by **R. Noble-Nesblitt**, was presented to the Meeting.

"That this Committee abhors the smirch on our Sport's safety brought to public attention by the totally irresponsible behaviour of so called 'Base' jumpers and requests Council to consider the following proposal as a matter of urgency. Also, should the said proposal be accepted, that its format be released to the Media in order that we may be seen to publicly denounce this 'activity once and for all'.

That from this date any member of this Association proved to have participated in any form of so called 'Base' jump in the UK either by carrying out such a jump or assisting in any way, including the manufacture of equipment obviously and specifically for that purpose, will immediately have their membership revoked and be banned from all Clubs and Centres affiliated to this Association, both as a permanent measure.

Much discussion took place on the above proposal and the Committee unanimously supported the proposal.

Item 9 - Age Limits for Tandem

P. Cavanagh stated he thought an age limit should be set for people doing Tandem Instruction (passenger).

This will be put on the agenda for the next meeting.

CCIs

Item 10 - Permissions

a) **A. Collingwood** requested that Tandem jumps may be made at 'Duck End' (Abbotsley) which is a restricted DZ.

The JNCOS have visited 'Duck End' (Abbotsley) and believe it is suitable for Tandem jumps.

Proposed by **A. Collingwood** and seconded by **L. George**.

Carried unanimously

b) **D. Penny** wishes to be given permission to act as DZ Controller when 'Wild Geese' uses its 'split DZ'. This item to be held over to the next meeting for CCIs to consider the proposal.

CCIs, JNCOS

c) RAPA requested extensions to PI ratings for **J. Farbrother** and **L. Schmude** of six months.

Proposed by **S. Lambe** and second by **M. Skeet**.

Carried unanimously
RAPA, JNCOS

Item 11 - AOB

a) **John Ball** gave details of the re-instating of **Ronnie Groat's** rating to drop parachutists. He has been checked by **J. Ball**.

J. Ball also informed the Committee on discussions with the CAA concerning aircraft categories. These discussions are taking place at this time and he will inform STC of any developments.

b) Permission for **Gary Lal** to attend PI Course in Hong Kong, short of two years' requirement. This permission was requested by **P. Lambson** as there is only one course per year and Gary Lai had been in full time parachuting for the last 18 months.

Proposed by **P. Lambson** and seconded by **D. Howerski**.

Carried unanimously

c) Instructor Courses

J. Meacock expressed concern that Instructors on the Exam Course, if having failed the written or practical parachuting, are sent away from the Course.

Some discussion took place and it was recommended that the Examiners on the next Instructors Course discuss this matter and make recommendations to STC.

J. Meacock will write giving his views to the JNCOS.

JNCOS, J. Meacock

d) Equipment

Pete Reynolds made a presentation to the Committee on a single point release and reserve pull handle to be introduced in to the military programme and asked for opinions, advice and experience of similar systems. Much discussion took place and several members offered input and the Chairman requested that the JNCOS write to **P. Reynolds** with their opinions.

JNCOS, P. Reynolds

e) Canopy Testing

J. Hitchen informed the Committee that **D. Gays** was still continuing with his home made canopy test programme.

f) Permission

G. Ellis requested permission for **Nish Bruce** to be given PI status as his approved rating had lapsed by two years due to military commitments. **Nish Bruce** would be attending the next PI Course in August where the Examiners will make recommendations. Proposed by **G. Ellis** and seconded by **P. Lambson**.

Carried unanimously
JNCOS

g) Sport Parachutist Magazine

C. Gilmore informed the meeting of the resignation of **D. Waterman**, Editor of the magazine, due to a rapid increase in the level of his business commitments. Anyone wishing to apply for this position please forward a letter of application and full cv to the Chairman of the Development Committee, c/o BPA Office.

h) **S. Bartholomew** requested to be allowed to use the 1500 feet rule in the London control area. Proposed by **D. Parker** and seconded by **D. Howerski**.

Carried unanimously

Date of next meeting: Thursday 16th July 1987, Post House, Leicester at 7pm.

John H. Hitchen

Joint National Coach and Safety Officer

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PPC Newsletter

I have been asked to write a few lines to let people know what has been happening at Sibson this 'summer' so here goes.

The two most notable events of the past few months have been the re-run of the 8-way Launch and Accuracy and the Martin Evans 'Flock' Boogie. The former was re-scheduled following the appalling weather which effectively prevented the first attempt over the May Bank holiday. Unfortunately, the re-run only attracted seven teams but this didn't take away any of the glory (well not much) from the winners 'Special Force'. They were a home trained team led by Ray Kalnins and consisted of; Ray, Sparky Hardin, Dennis O'Brien, Darren Smith, Judy Slater, Trevor Rawns, Kevin Veitch and Steve Hastings. Well done!

Colin Holder, who runs the local Paper Mills Pub very generously put up the first prize of £500 with additional cash prizes for 2nd and 3rd place given, together with medals, by the PPC.

G-OVAN



The Flock Boogie was organised by the irrepressible Martin Evans and turned out to be a huge success. No less than 370 jumpers turned up and registered and we would like to thank them for their support, to apologise for the weather and the sometimes chaotic manifesting and to hope that they will return in August. Even though the weather was pretty lousy we managed 43 Skyvan/Skyliner loads and drank a significant amount of beer. The Flock Boogie was pitched at all levels of jumper. If you wanted organising, you got organised and if you had your own thing to do then you went ahead and did it. The most encouraging thing to my mind was the determination of everyone to enjoy themselves. The numerous spot prizes were suitably tasteless, the North v. South baseball contest was notable for its absence of

rules and the Simon Ward 200-way dirt dive and sit down was pointless and great fun. One thing everyone agreed on was the atmosphere in the front hangar on the Sunday night. The band was brilliant the hangar full and bar coping – almost, and if you've ever been at the front at the 'Marquee' when someone good has been playing . . . well it was like that. The lingering image of John Meacock standing centre stage wearing – for a short time – a red, white and blue plastic umbrella on his head and glowering good naturedly at the assembled multitude while the band tuned up in the background, will stay with us forever.

Because this is supposed to be a 'Warts and All' newsletter I suppose I should thank the good natured soul who saw fit to steal the Flock flag and windsock and the shithead who removed a tenner from the collection for the band. Still, I suppose with no registration fee and offering 12,000ft for £8.00 this element of riff-raff was to be expected.

Apart from this things are as busy as one might expect given the 'summer' weather. The RW Seminars continue to run alongside the progression courses. We have cleared 17 people onto free-fall in the last six weeks, so best congratulations to: Paul Braker, Ernesto Garcia, Bob Lee, Pam Gilbert, Steve Elvey, Frank Kelly, Joe Ames, Bernard Clewer, Pat Davies, Tim Brown, Terry Ahrens, Mat Armstrong, Clare Walsh, Diane Martini, Mark Hogan, Joshua Green and Martin Millar.

We are to introduce a 'Half Price' jumping scheme to speed people onto free-fall and it will run alongside the RW Seminars. It is a great pleasure to the Instructing staff to see the change from novice to competent RW jumper for those who are prepared to persevere. The Skyvan continues to perform well. Keeping the aircraft hangared seems to have solved many of the minor problems we had last year. The Skyvan is to be backed up from Monday to Friday by Matthew Mortlock's Turbine Islander, the two should make the perfect combination.

The Tandem programme has been going for over a year and over 300 descents have been made. AFF has just made a come-back with Dave Morris and Action Enterprises running the operation. Cornelia Waymouth has joined the full-time staff. Max Guthrie has left but continues as a week-end instructor and Derk Boersma, after ten years' full-time service at the PPC, man and boy has finally left to join forces, so to speak, with his young lady in a business renovating houses, or rather 'properties' as we are now encouraged to call them. He was dined out at the *Paper Mills* and awarded the standard PPC LSGC Micky Mouse retirement watch, the sight of which caused him to become maudlin. Soon after the dinner broke up in disarray. Thanks for all of your help Derk.

Finally. Ron Hiles, one of the PPC regular and experienced jumpers was involved in a serious road accident. He is in Lodgemoor Hospital, Sheffield. He is in good spirits and is fighting hard against paralysis. I am sure that I speak for all jumpers when I wish him the best of luck, and a speedy and total recovery.

'Compact'

P.S. Don't forget the August Bank Holiday Boogie. *Skyvan and Turbine Islander*.

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LANGAR '87

Ten Year Party – A Learning Experience

Parties are not a rare occasion here at Langar, but one which lasts ten days are rare anywhere. The occasion (6th – 14th June) was to celebrate ten years of parachuting at Langar with a seven year reign of the CCI and dictator Dave Hickling and his partner John Fletcher. No Boogie is complete without aircraft and with a Skyman, an Islander and a Cessna 206 here all week, complemented beautifully by a DC3 for the final weekend, who could complain!! a lift capability of 72.

The number of people registering for the Boogie was perhaps a little disappointing – the great British weather was no doubt a factor, but whenever conditions were jumpable, jump we did. Load organisers Bob Harman and Rich Ward from Zephyr Hills did a great job getting people together, the skydives were a learning experience for everyone. It was so refreshing to see people learning on every jump and having such a good time, even if we only got 7000ft due to clag. When the skies did clear, there was only one height, 12,000ft, or more in the Skyvan with no hassle – Langar can guarantee 12,000ft any day of the week – never any Air Traffic problems.



none were complete but the discipline on the jumps was very good and who knows what would have been possible if the weather had been better. One of two 20 ways were built.

Many people achieved a goal of some sort or other, SCRs, SCSs 1st RW – the list is long but two of these are worthy of a mention. Bob Harman achieved an incredible 84 hours of Free Fall time – I guess that's what you get for the occasional low opening (oops) and Braz Carey got his Cat 10 – at last, he also has his 6th cut away.

The whole thing ended with a brill party night. Most of the people who were finding skydiving easier and easier had real problems walking that night. The entertainer was magnificent. The thank you department would be endless if I named everyone, suffice to say thanks to Langar for a real good week full of fun.

I think the whole thing has been a learning experience for everyone, so watch out for the next one folks, it will be even better.

Graham Godding

It wasn't only the RW workers who were enjoying picking the brains of the vast instructional ability available. There were many students working their way through the Category system who were getting it right, cleared for this and that, Cat 8s etc and the added buzz of new aircraft, and quite often the extra altitude. There were AFF students battling against the weather as well, but getting a chance to jump the Skyvan and the DC3 made up for all the hanging around. There were plenty of Tandem jumps going on too! Three 4-way Teams preparing for the Nationals were here to train from the resident Islander, newly equipped with handles and rails. They all got in the air – 43 Skyvan lifts – thanks Shaun, 6 DC3 lifts thanks to Air Atlantique, 15 Islander lifts – thanks Nigel and 18 Cessna lifts.

The spotting at times, left a bit to be desired. As if 500 acres of hazard free DZ if difficult to hit (sorry Dave, had to mention that!)

Now everyone has heard of computerised manifesting, well Langar has the answer. No manifest board, no tannoy and no hassle, (I don't think it would work at the Hercules Boogie) but here it worked perfectly, all credit to the manifestor, a great job, well done.

It was hoped to have a crack at a 50-way, but sadly this never happened due to the weather and a lack of experience – which is no-one's fault. There were some really good attempts at 30-way,

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EUROPEAN WORLD RECORD 126 WAY FORMATION

About two years ago Didier LaGrasse of the Belgian team *Group Cirrus* conceived of the idea to make an attempt at the World's large formation record in Europe, utilising the combined talents of selected skydivers from all the European nations.

Two years and many hours of work and worry behind them, Didier and his friend Etienne Herin, succeeded in their goal by filling two of the slots on an Official European World Record 126 Way formation.

Called the *1st European Parachutist Challenge* the record attempts started several months before the event with the selection of one or two top skydivers in each European nation, who would be responsible in putting forward the names of those within their respective countries, with the experience and talent required for success.

From these lists a selection of names was made and invitations were sent out. No promises were given that these individuals would ultimately be in the big one, the real selection was to be in the air.

Approximately 160 skydivers were invited with the aim of bettering the then World Record of 120 which had been set the year before at the World Skydiving Convention in Freeport, Illinois, USA.

Didier and Etienne had done their homework, through contacts in the European Parliament, they had arranged the excellent venue of Koksijde Military Airbase on the Belgian Coast, and the fantastic support of two Hercules C130 aircraft from No 20 Sqn of the Belgian Airforce.

A technical committee was selected to organise the actual dives. This was comprised of five people with past experience of large formation work, and represented a good international cross section.

The members of the technical committee were: Jack Gregory from the USA, Luc Maisin from Belgium, Derek Thomas from the UK, Raul Torres from the USA/Italy and Patrick Passe from France.

The EPC got under way on 6th June with the team split into 4 x 40 way groups, and whisked to 15,000ft by the superb pilots and aircraft of 20 Sqn.

All four groups had success from jump No 1 with 40 ways, so the next move was the forming of 2 x 80 way groups. On the second attempt one of these groups, easily broke the then current European large formation record of 60 with an excellent 82 way flat and flying.

Based on the experience of the 80 way groups the technical committee, chose a base to start off the big attempts with. The formation chosen for the attempts was a 126 way, starting with a 12 way star middle, building to a 24 way cluster and then a 48 double cluster with the addition of the third wave.

By now several heads had rolled, but not enough, the technical committee had the unenviable task of selecting 126 good skydivers from a pool of about 150.

After many hours of video watching and soul searching its choice was made and the 126 started the first of their marathon dirt dives.

Organising and directing 126 skydivers from thirteen different nations, speaking different languages with the aim of skydiving from two Hercules from 20,000ft to break the awe-inspiring World record of 120 was no easy task.

Full credit must go to the energy and tenacity of the technical committee and to the patience of the 126 skydivers through the hours of dirt diving, re-shuffling and more dirt diving required.

The first couple of attempts at the 126 were certainly an experience to remember. If you include the four cameramen, this was the largest number of people ever in a free-fall together. The incredible sight when diving from the trail Hercules to see a huge comet tail of 80+ skydivers flowing from the lead ship was mind blowing, and the swarm of skydivers setting up on their respective quadrants gave the impression of millions of bees swarming the hive, and brought home the immensity of the task at hand.

These first attempts taught a lot of lessons, they built to probably the high 80s or so, many problems were experienced in the base 24. So it was decided over the next four to six jumps to proceed with first base 24, then 48, then 72 way practice, while the fourth, fifth and sixth waves entertained themselves with fun jumps from 19,000 feet from the Hercs, one of which turned out to be a 49 out of 51 Diamond.

After a lot of work and several changes in people and jump suits the base group was happy with its performance, and so the 126 way team boarded the Hercs again.

Obviously the tactics had worked, the team went from strength to strength with a 99 way, followed by 109, then 116, then 122 and on 10th July a 124 way was built and flown for at least 14 seconds without a ripple. Although two of the team were low, the vibes were high, this was the largest number of skydivers to link together in free fall to date. The formation had been smooth and flat – we all knew we could do the big one, as Jack Gregory had said "all we need is 126% effort and we had it in the bag". Paul likened the team with the skydiver who had broken through the burble and was now on wrists waiting to break into the star.

The next morning, 11th July, the two Hercs ran-in at 19,000ft, perfectly flat and level and with precision formation flying. One hundred and twenty-six skydivers plus four cameramen had discarded their oxygen masks and were standing in their five rows, nervously adjusting leg straps and pull-out handles.

The exit command was given, and the fun began. The base built smooth and on heading, subsequent waves formed up in their quadrants, picking up on reference points in the first and second waves, watchful eyes were kept out for traffic problems and collisions which had hampered previous attempts.

The fourth, fifth and finally sixth waves made their approaches and smooth dockings, not a ripple, concentrate on flying the formation, look under at your clone on the other side, create a slight parasol shape, tension off, don't geek, don't blow it now!

All of a sudden there were no more dockings, there were no more skydivers stacked up, waiting to come on in, there was no one low, only the four cameramen left on the outside! – We had it!!, count... 1000, 2000, 3000, 4000... that's enough – Yahoo.

Track off at five grand, everybody screaming, 130 canopies open at 8.30 in the morning over Koksijde with 130 screaming skydivers to wake up the townsfolk and the commandant of the base who then knew we had done it, and rushed to greet us.

After landing and being mobbed by the army of spectators and supporters, a huge 126 was formed on the runway for the pilots to see, as they performed their customary very low pass.

The 126 way formation had been flown flat and stable for about eight seconds, although the grip had been lost and picked up again, so the official stop watches of the four FAI judges recorded a 4.68 seconds time, more than enough to satisfy the three seconds required to claim the World Record.

Success was sweet, this was the first time the large formation record had left the USA since its inception. An excellent job had been done by the technical committee, particularly Jack Gregory, in maintaining the energy and morale, no easy job acting as psychologist for 126 skydivers, and a further 30 that didn't make the big load.

As the Champagne flowed, the base commandant announced that should this group need to defend its record, Koksijde would be there, in the future, for us.

Rob Colpus

Some Interesting facts

- Number of Nations participating = 13
- Breakdown of Nations in the 126:

UK = 14	USA = 7	Austria = 2
Belgium = 19	Norway = 1	Switzerland = 8
France = 22	Luxembourg = 1	Holland = 10
W. Germany = 22	Denmark = 3	
Sweden = 13	Italy = 4	
- British jumpers on the 126

Rob Colpus	Tim Homer	Mandy Dickinson
Dave Hughes	Tim K. Moore	Chris Gilmore
Geoff Sanders	Bob Hiatt	Derek Thomas
Robin Mills	Paul Austin	Fred Ryland
Tony Butler	Jim Keery	
- Least experienced jumper on the 126 was a Frenchman with 350 jumps who was in the sixth wave.
- Belgian jumpers, Tom Migerode and Dirk Coleman who were on the 126, had 450 jumps each, were both ex-AFF students and are now both AFF instructors.
- Anders Nygren of Sweden did his 500th jump on the record dive.
- Jack Gregory passed his 60th hour in free fall on the record dive.
- In 20 odd jumps – approximately 64 miles were travelled in free-fall, clocking ½ hour of free fall time.
- FAI judges – René Boidin, Jef Pattyn, Jean Polis, Felix Vankerkhove
- Cameramen – Max Dereta from Holland
Michelle Pissotte from France
Leo Dickinson from UK
Simon Ward from UK

A full photographic report on this magnificent achievement will appear in the next issue.

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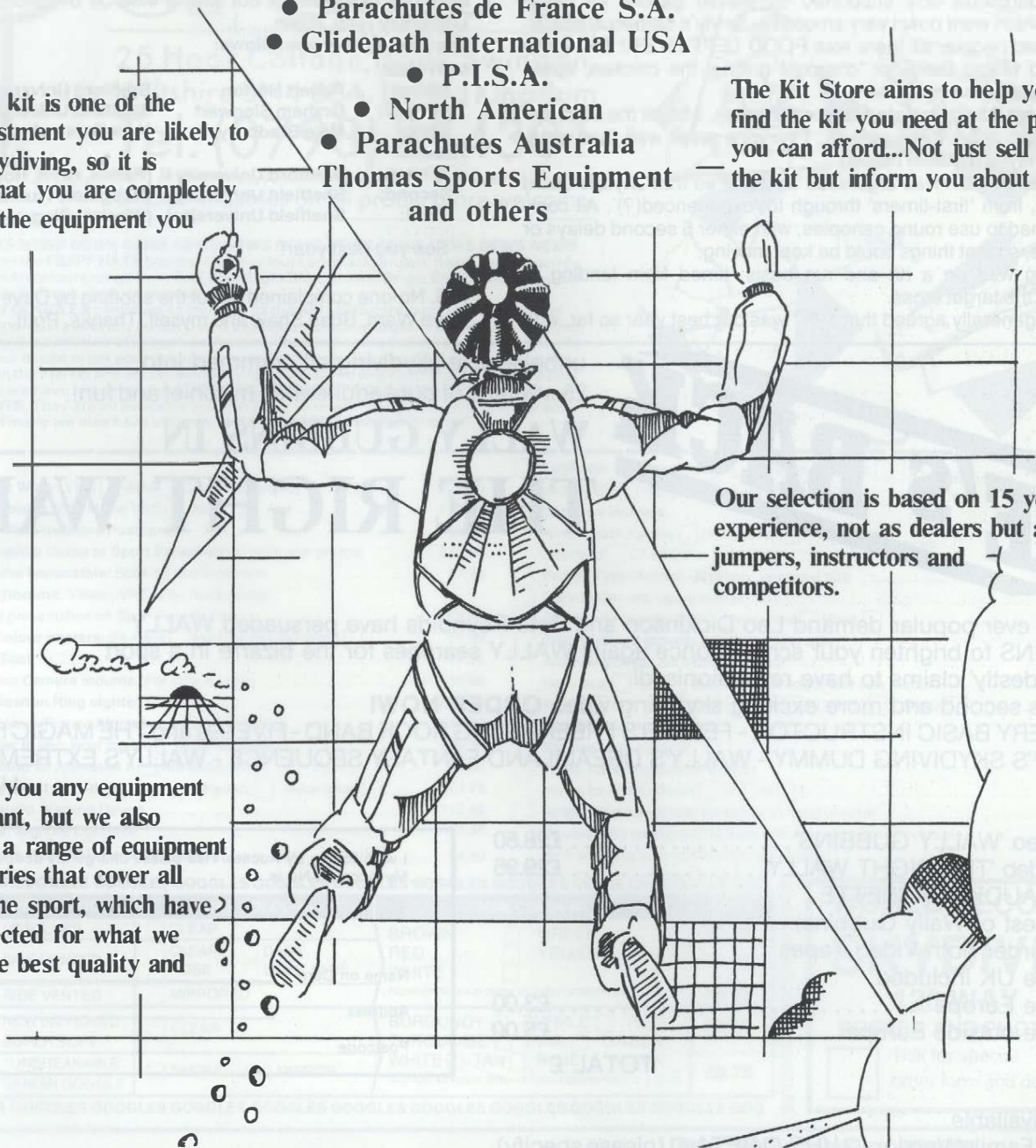
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David Parker

5th ANNUAL NORTHERN COLLEGIATE PARACHUTING COMPETITION

LINCOLN PARACHUTE CENTRE 20th/21st JUNE 1987

The usual perfect weather arrived in order at Sturgate for 8am on Saturday 20th June, followed by some migrants from other DZs in the area, all of which seemed to be clagged in by sea fog etc. Maybe they should have held the Nationals here?!

A big thankyou to all assistants - most of whom are ex-University, but are alright now; including Jock Macfarlane (York), Dave Lawton (Bradford), Alan Gibson and Gordon Raughter (Sheffield). Late arrivals but nevertheless of great assistance were Bob Notley and Julia de Carteret (University of Life).

Thanks also to Pilots Chris Benyon and Jenny Tylcoat for flying 43 lifts over the weekend, and to Jenny and Dave for organising a superb barbecue ably supported by eleven gallons of *FREE BEER*, which went down very smoothly. Jenny's barbecue actually defeated people, as there was *FOOD LEFT OVER!* Thanks to Jock and Magic Dave for 'charcoal grilling' the chicken, spare ribs, burgers, sausages etc.

The Meet was completed on the Saturday, with all the competitors having done three rounds. Everyone slept well that night, though maybe the beer helped.

The competition was organised as usual so that anyone could compete, from 'first-timers' through to 'experienced(?)'. All competitors had to use round canopies, with either 5 second delays or static line, so that things could be kept moving.

Scoring was on a hit and run basis, timed from landing to touching the target cross.

It was generally agreed that 1987 was our best year so far, with

no demands for rejumps, wingeing, moaning etc. Well done lads.

Sunday was a mixed bag of weather, but with plenty of chance to do more jumps, particularly with those who wanted to carry on with progression jumps. Included was one tandem jump, and a first square jump - well done Julia!

Prizes, which were many and varied included a winner's Tankard, T-shirts, *Best of Sport Parachutists* (again!), Sward Log Books, Goggles, postcards and free jumps. Due to the fine print of the rules, the Winner's Shield went this year to Sheffield University II, as they had all been at the University this last term.

Congratulations also to the team that came first - known as Bradford University II but with a little bit of help from Sheffield University (yes, again . . .).

The placings were as follows:

<i>Individual:</i>		
Winner:	Robert Horton	Bradford University
Second:	Graham Siegwart	Sheffield University
Third:	Mike Bradbury	York University
<i>Team:</i>		
Winner:	Bradford University II (Parkin, Hord, Horton)	
Second:	Sheffield University II (Raughter, Truman, Summers)	
Third:	Sheffield University I (Whelan, Siegwart, Koh)	

See you next year!

Pat Smith

P.S. No-one complained about the spotting by Dave Tylcoat, Dave Ward, Brian Shaw and myself. Thanks, Pratt.

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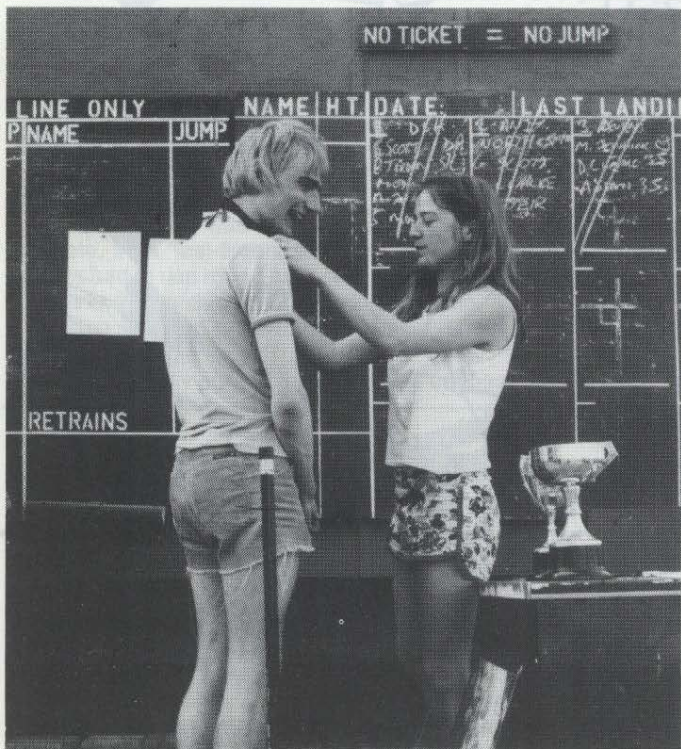
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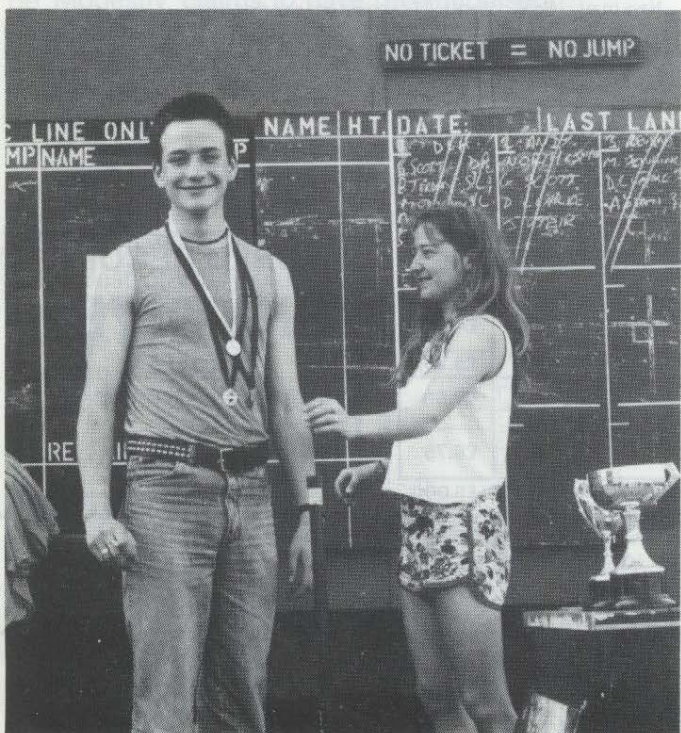
SOUTH WEST COLLEGIATE ACCURACY MEET 1987

This year's competition took place between 1st-3rd July, the venue being Swansea where all the competing clubs jump regularly. A combination of very light winds, beautiful blue skies and a sparse turn-out of competitors meant that all three rounds had been completed by lunchtime of Thursday 2nd July.

Teams were entered by University College Cardiff, Aberystwyth and Bristol Universities, sporting a wide range of abilities. Unfortunately the 3 way speed star competition had to be abandoned as the only team entering was the Aber Paras 2-way (which incidentally is a record formation for Aberystwyth!) so the meet was reduced to 'Hit and Run' accuracy – timed from landing to sitting on a chair on the target cross, judged at three levels: Static Line, Intermediate (ie Student F/F) and Senior (ie Square) accuracy. There were also prizes for the best overall college, and the best Static Line team.



Jenni presents Jim Weir with his medal . . .



. . . while Pat Jordan shows off his . . .



. . . and Sam Molan's very happy with hers!

The meet may not have been on such a large scale as the National BCPA meet, but nevertheless a good time was had by all, with none of the 'general bitchiness' that Dave Gillett seems to have encountered at the BCPA meet at Swansea last year. I must admit that I disagree strongly with his opinion of Swansea, as expressed in June's magazine. Having visited several DZs in Britain and abroad, Swansea compares very favourably, with consistently high standards of instruction, the best student kit available and equal encouragement to all standards of skydivers, from static lines through to Category 10 skygods and beyond . . . The spirit of competition was felt (and later drunk) by all, and any thoughts of progression were put aside in order to concentrate on steering to within hobbling distance of the target. Meets such as this help build students' confidence and make them feel at home in the skydiving world – I am sure that everyone who took part would like to thank Dave Howerski and everyone else at Swansea PC for a great time, and also offer sympathy to the staff at CJ's who had to clear up after us.

Deb Clarke, C7124.

The Results were:

Team Accuracy – Static Line

1st	UCC	1736.70 secs
2nd	Bristol	2245.75 secs
3rd	Aber Paras	3402.20 secs

Individual Accuracy – Static Line

1st	Gary Scott (UCC)	98.8 secs
2nd	Pat Jordan (Bristol)	119.75 secs
3rd	Sam Molan (UCC)	137.9 secs

Intermediate

1st	Martyn Jones (UCC)	91.55 secs
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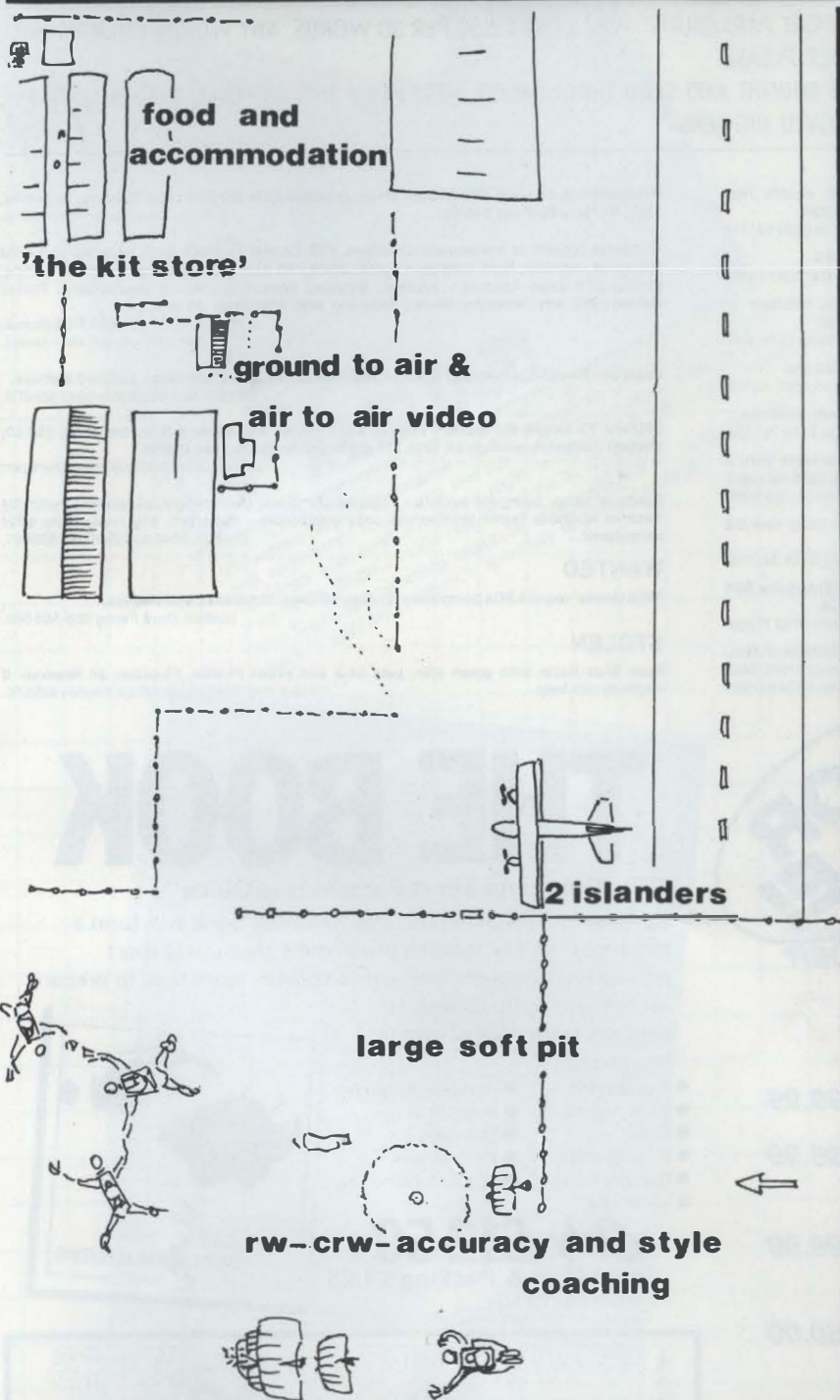
Senior

1st	Jim 'Weirdo' Weir (Aber Paras)	31.7 secs
2nd	Deb Clarke (Aber Paras)	63.67 secs

Best Overall College

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