



PADDLE POWER — LOOK NO FURTHER!

RACING SEA SLALOM WHITEWATER GENERAL PURPOSE KIT PADDLES JEWELLERY

SPRINTMASTER, PACEMASTER, L/D MASTER — now used successfully all over the world.

SEAMASTER, NORDKAPP — used by every major expedition over the last three years.

A new paddle to the range with fibreglass shaft. The main feature of this paddle is that damaged blades can be replaced.

WHITEWATER, RIVER RACER — more robust construction for use in any rough water situation and used successfully on the Everest descent and the Orinoco descent.

All Lendal paddles can be used for touring and general purpose canoeing.

A cheap paddle, particularly suited for beginners, schools, clubs and youth groups etc.

An extensive range of canoeing jewellery in goldtone, silvertone and coppertone as well as the precious metals. We have recently introduced to the range, golf, ski-ing and skateboarding items.

NEW
FIBREGLASS
PADDLE
FOOT PUMP

An all fibreglass light weight racing paddle to be introduced at the Crystal Palace Exhibition.

Designed by a canoeist for canoeists, the first pump manufactured specifically for the kayak paddler. Does not interfere in any way with the paddling action — once fitted you will wonder how you ever managed without one. This pump will fit any type of boat or footrest. A MUST for DEVIZES/WESTMINSTER paddlers.

T- --- CDD-DAIGH

To make sure of delivery — ORDER NOW!

LENDAL PRODUCTS — the name you can trust.



Send for illustrated brochure:

LENDAL PRODUCTS LTD

18/20 Boyd Street, PRESTWICK KA9 1LG Ayrshire.

Telephone (0292) 78558

PADDLEACTION!



Gold Label Vest

Selected by Expedition Leaders.
Approved by Ship and Boat
Builders National Federation,
United States Coastguard,
Australian Standards Association.
Internationally famous buoyancy
vest for canoeists

Competition Vest

World Champion selected Now with twin-tone colours and 1979 styling. The internationally accepted No.1 design.

Spraycover

Effective neoprene edge seal; 100% waterproof sewn and welded seams; permanent elastication; adjustable shoulder strap, combined retaining/release bar supports spraycover Ideal for rivers and surf 'The most comprehensive revision of spraycover technology ever achieved'

Anorak

Four different paddling jackets for all competition and recreation canceing are available. There is a whole range of good-looking waterproof garments from Harishok. Many incorporate the waterproof sewn and electronically welded taped seam (an exclusive Harishok technique).

Waterproof Bag

Simple and effective. Ideal for clothing and sandwiches

FREE Colour Brochure!

Send now for your free colour brochure featuring the full range of Harishok Action Boatwear. Harishok Ltd·12c Jackson Street Hyde·Cheshire SK14 1BX

Tel: 061-368 9216

Harishok

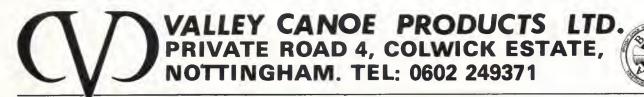
JEW COMPETITION SKEET

THE GROWTH IN SURF-SKI COMPETITIONS HAS PROMPTED A SPECIAL VERSION OF THIS WELL-KNOWN SKI



THIS NEW VERSION OF THE SL HAS A LOWER DECK — GIVING THE LIGHTER PADDLER BETTER DIPPING CHARACTERISTICS

SEE THEM BOTH AT CRYSTAL PALACE



MARCH 1979 3

'LIFEMASTER' LIFEJACKETS

(MANUFACTURED TO BS 3595)

ARE RECOMMENDED BY THE BRITISH CANOE UNION FOR USE BY THEIR MEMBERS

YOUR SAFETY IS OUR CONCERN TRUST 'LIFEMASTER'

GENEROUS DISCOUNTS OFFERED TO B.C.U. MEMBERS

Full details and prices from:



VACUUM REFLEX LIMITED

Barrack Square, Martlesham Industrial Estate, Ipswich, Suffolk IP5 7RF Telephone: Ipswich (0473) 624080

SUPPLIERS TO THE MINISTRY OF DEFENCE, OVERSEAS GOVERNMENTS, N.S.S.A., B.C.U., OIL COMPANIES, PORT AND HARBOUR AUTHORITIES, CIVIL ENGINEERING COMPANIES, WATER BOARDS, FIRE BRIGADES, CENTRAL ELECTRICITY GENERATING BOARD, LOCAL AUTHORITIES, AND SCOUT GROUPS THROUGHOUT THE COUNTRY, Y.H.A., SAILING CLUBS, TRADE OUTLETS, ETC.

FOR WILD WATER RACING:-

ZENITH 3 ★ NEW ★ ZENITH 2 RENEGADE

FOR SLALOM

EPEE XS

FOR WILDWATER TOURING/ SLALOM/SURFING/ NOVICES

EPEE

(use on British Everest Expedition, Grand Canyon, in Austria, Switzerland, Canada, Norway, etc. Where the Rivers are WILD).

ALL THE ABOVE AVAILABLE IN GLASS, DIOLEN, KEVLAR. KIT FORM OR COMPLETE

Write for details of our range:-

Fi-Bo

(Wolverhampton) Ltd., MALTHOUSE WORKS, BANDON LANE, LOW TOWN, BRIDGNORTH, SALOP.

TEL:- Bridgnorth 61192.



MOULDS FOR SALE OR HIRE GLASSFIBRE BUILDING MATERIALS CANOEING ACCESSORIES

VISIT OUR STAND IN THE MAIN HALL AND SEE FOR YOURSELF

NOW INCLUDING OUR NEW TOURING DOUBLE THE ARDECHE

TRYLON

TRYLON LIMITED, WOLLASTON Northants NN9 7QJ.

Tel: Wellingborough (0933) 664275

QUOTE REF. CM

CANOEING

INCORPORATING CANOEING IN BRITAIN AND CANOEING MAGAZINE

MARCH - NUMBER 23

Editor: Mike Clark
The Chapel, 19 Main Street, Hemington, Derby DE7 2RB. Tel: 0332 810984

CONTENTS

Comment5	Photo Extra	23
Crystal Palace Exhibition6	Competitive Calendar	24
Show Preview8	Flare-Up	
BCU AGM 10	Irish Marathons	
Notes and News14	Wildwater Racing	
BCMA Notes	Dee Estuary	
Umnak Lecture 16	Sprint Racing	
Umnak Kayak17	Letters	
Events and Courses 19	Thames Waters	
Buying Guide 19	Trade News	
Long Distance Canoeist22	Classified	



Canoe Exhibition 1978 Photo: Mike Clark.

CANOEING is published by Ocean Publications Limited, 34 Buckingham Palace Road, London SW1W 0RE. Tel: 01-834 3511/3430.

SUBSCRIPTION RATES: United Kingdom and Eire, £6.00; Overseas, £6.50 — for twelve issues

Contributions of articles, photographs, comments, and reports are always welcomed, but while every care is taken, no liability is accepted for safe custody and return, or for any loss or damage to material, whatever the cause. Unsolicited material will only be returned if sufficient postage and self-addressed envelope are included.

No article, photograph, or illustration appearing in Canoeing magazine may be reprinted, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or by other means, without the written permission of the Editor.

© Copyright 1979, Canoeing Press.

COMMENT mike clark

This year's International Canoe Exhibition — to be held at the Crystal Palace in South London over the weekend of February 24th/25th — is again heading heading to break records. All the stand space was sold out well before Christmas and trade stands will feature canoes and kayaks from every major manufacturer in the country. along with a massive range of accessories. The Exhibition will feature twenty-five canoe and kayak manufacturers and nine accessory manufacturers, plus a growing number of allied organisations, groups and club. Certainly the International Canoe Exhibition will be the biggest and most comprehensive range of canoeing equipment to be seen under one roof anywhere in the world.

The theme this year is 'Canoeing Holidays', from gentle paddles through our canal system to more adventurous exploits around the UK coast and abroad. Several recent expedition teams will also be present, including the Jersey Canoe Club Circumnavigation of Ireland, the Caribbean Kayak Expedition, and to come — The International Nile Canoe Expedition.

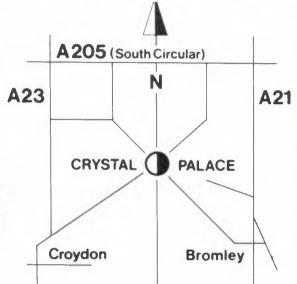
A full programme of films and lectures will again be offered. Films include 'Paddlers Must Wear Life Jackets', 'Orinoco, and 'Dudh Kosi — Relentless River of Everest'. A variety of lectures will be given, the emphasis on the availability and selection of canoeing holidays. In tribute to Dr. Jones and on behalf of the Mike Jones Memorial Fund, a special lecture and film show will feature twice on each day.

Of the pool events, competitions will be the main feature of this year's programme with Youth and Senior Bat Polo Championships and, as a special highlight, an international match of Holland v Great Britain. In addition the top 20 slalomists from the UK will be competing for an individual prize in a still water slalom.

The Exhibition will be open from 10.30am to 6.00pm on Saturday and Sunday February 24th/25th. Admission price is 80p for adults, 40p for children (under 14-years) and a 25% discount for a party advance booking (minimum 10-persons). Details and tickets from: The Sports Council (London and South East Region) 160 Great Portland Street, London W1N 5TB.

CRYSCAL PALACE

GET THERE



By BUS 2B,3, 63, 108B, 122, 137, 227, 249 to Crystal Palace Parade. 154, 157 to Anerly Hill.

By TRAIN to Crystal Palace (SR) Station. Frequent services from Victoria and London Bridge (direct), from Waterloo (change at Clapham Junction), or by underground (Northern Line) to Balham, changing to the Southern Region for Crystal Palace train. Ample car parking facilities.

SOUTH BALCONY

- 1 BCU Headquaters & Shop
- **BCU Sea Touring**
- 3 BCU Slalom
- 4 BCU Coaching
- 5 Lecture & Film Tickets
- **BCU Canoe Polo**
- 7 BCU Touring & Access
- 8 Plas y Brenin

MAIN HALL

- 9 Millbrook Canoe Club
- 10 Water Rat Canoes
- 11 Valley Canoe Products Ltd
- Trylon Ltd
- 13 Gaybo Ltd
- 14 The Adur Centre
- 15 Boys Brigade Canoe Club
- 16 Paddle Pleasure
- 17 A C Canoe Products Ltd
- 18 Granta Boats
- 19 Whitewater Sports
- 20 Cymru Canoes
- 21 Chris Hawkesworth Ltd
- Lendal Products Ltd
- 23 Kama Canoes
- 24 Shepperton Design Studios
- Shoreham Kayak Club 25
- 26 Baron Canoes Ltd
- Canoe Sport (Martin Bosher)
- Northern Kayaks Ltd
- 29 North London Rescue
- Commando 30 Severn Seas Surf Skis
- 31 P&H Fibreglass Ltd
- 32 Pyranha Mouldings Ltd
- 33 PGL Young Adventure Ltd
- 34 Scout Association
- 35 Arrowcraft Marine Ltd
- John Sea
- Hastings & District Canoe Club

- 38 Canoe Camping Club
- **Brookbank Canoes**
- 40 Howarth Sports
- Canoeing Magazine/CP Decal 41 Designs
- 42 Kennet & Avon Canal Trust
- 43 Raven's Ait Water Sport & Conference Centre
- Calshot Activities Centre
- 45 Mark Gees
- 46 Surrey & Hampshire Canal Society
- ILEA (Greenland Dock)
- 48 Harishok Ltd
- 49 Bowles Outdoor Pursuits Centre
- 50 Crovdon Canoe Club
- 51 Canadian Canoe Association
- 52 Fairway
- 53 Avoncraft
- 54 Krakatoa Mouldings
- 55 Inland Waterways Association
- 56 McNulty Seaglass Ltd
- 57 Royal Canoe Club
- 58 Canoe Centre Ltd

CONCOURSE

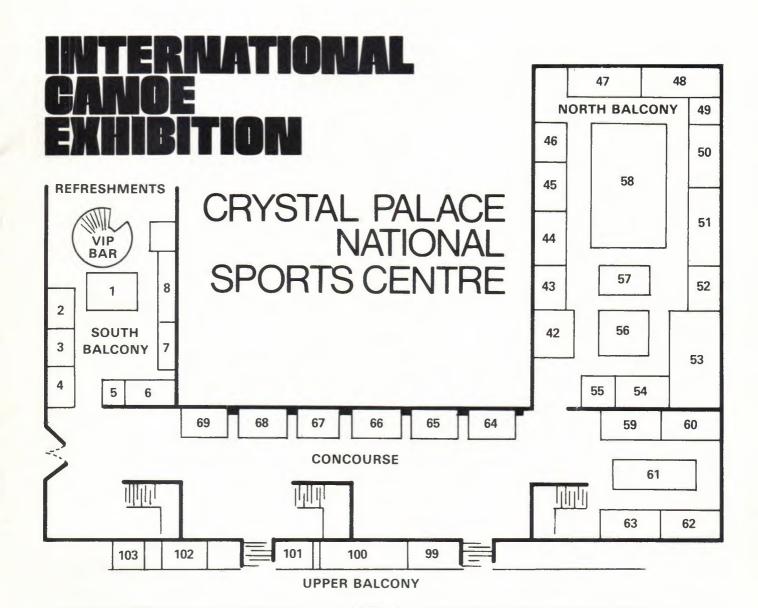
- 59 British Schools Canoeing Association
- Martlet Kayak Club
- 61 Richmond Canoe Club 62 Poseidon Canoe Club
- 63 Samuel Montagu Boys Club/London Federation Boys Clubs
- 64 BCU Corps of Canoe Life Guards
- **BCU Sailing**
- 66 BCU Racing
- 67 BCU Marathon
- **BCU Wild Water**
- 69 BCU Surfing

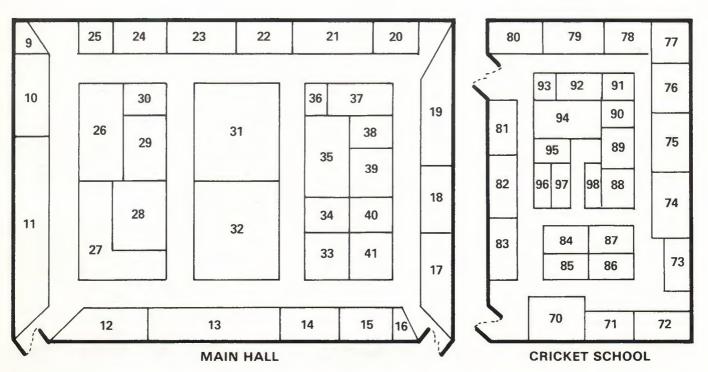
CRICKET SCHOOL

- 70 Severn Seas Surf Skis
- Long River Canoeist Club
- Youth Hostel Association
- 73 International Nile Canoe Expedition
- 74 Southern Canoeing Supplies
- 75 Lonsdale Sports
- 76 Leaside
- National Association of Youth Clubs
- Northern Ireland Tourist Board/Dept of Education
- Jersey Canoe Club
- Circumnavigation of Ireland 80 British Waterways Board
- 81 Sea Cadet Association
- 82 Freehlades
- 83 South London Water Rescue
- **Delapre Developments**
- 85 Mike Jones Memorial Stand
- 86 Royal Air Force Canoe **Association Expedition**
- 87 Hotelcraft Ltd
- 88 Winchester canoe Club
- 89 Haze Enterprises
- 90 Con-Yak
- 91 Wales Tourist Board
- 92 Courtlands Field & Outdoor **Pursuits Centre**
- 93 English Tourist Board
- 94 Riverside Centre Oxford
- 95 Capel Canoes
- 96 Lymington Sail & Tent Co
- 97 Wye Kayaks
- 98 Caribbean Kayak Expedition

UPPER BALCONY

- 99 Dave T Bursnall
- 100 Ottersports Ltd
- 101 Grumman Canoes





STAND No. 12 TRYLON LIMITED

Trylon Limited of Wollaston. Northants, are pleased to announce the introduction of a double touring kayak to their extensive range of kayak designs. Named the Ardeche, it is a well proven design giving ample space for camping gear for two, yet retaining a sporty performance as well as being safe and stable for family use. Several other designs are currently being developed and their aim is to continue to improve the service to canoesport in general with an emphasise on the home builder.

Trylon offer kayak moulds for sale or hire, the best materials available, protective equipment, tools and a comprehensive range of top quality

accessories.

Finished kayaks manufactured to BCMA standards are also available. Free technical advice backed by many years of practical experience and complimented by kayak building demonstrations, ensures that Trylon Canoe Service remains the most comprehensive available anywhere. At Crystal Palace, the Ardeche should prove of great interest to the amateur builder touring enthusiast.

STAND No. 19 WHITEWATER SPORTS

In addition to their sucessful range of economy kayaks, Whitewater Sports will be showing their recently acquired boats from the renowned Jaycee Glassfibre Products range of designs, giving quality canoes and kayaks at a very reasonable price.

The Lawrence range of boats are also being imported from Ireland and of particular interest will be the Sprint and Marathon racing craft, available in glass, diolen, kevlar, and sandwich constructions. (See details on Trade

Page).

A selection of their large range of accessories will be on show, and here interest will be on a new design of strap for securing boats, skis, paddles, to roofracks or trailers. They are quick and simple to use, but safe and immensly strong. At only £2.45 per pair they are a real snip and probably end the use of luggage elastics and odd bits of cord. . .

STAND No. 100 OTTERSPORTS LIMITED

For the first time the major British canoe/kayak firm of Ottersports Limited have taken space at the International Canoe Exhibition (Ottersports are the only British canoe/kayak manufacturer that regularly takes stand space at the International Boat Show, Earls Court). No slalom kayak will feature of their stand, no wild water craft, no sea touring craft, no racing craft . . . but a superb range of touring canoes and kayaks that are second to none in quality and value for money.

The Ottersports range features a Canadian canoe designed on the lines of the traditional trapper canoes of Canada

with a capacity for up to 400kgs loading; single and double kayaks that have proved themselves over a decade to be the ideal shape for both beginner and the experienced canoeist, and have been brought up to date with modern styling and features few other craft can match. The newest single kayak from Ottersports is the SEA Kayak, designed spcially for the canoe camping enthusiast - longer, sleeker and easier in choppy water, the kayak is ideal for fjord, large lake and estuary canoeing.

The very latest addition to the range is the 'Indian' canoe. The hull shape offers maximum stability, while the inverted keel gives first-rate directional stability. The hull features aluminium pressings moulded into glassfibre, while the gunwales are specially designed aluminium extrusions, capped with a

PVC moulding.

In the way accessories, Ottersports have a full range from their famous ABS paddles to their slimline lifejacket. One of the newest is a canoe/kayak trolley capable of carrying 100kgs (but I hear it was tested to over twice that weight! Ed)

STAND No. 70 SEVERN SEAS SURF SKIS

Severn Seas offer a rather unique range of craft designed almost in the shadow of Atlantic College, South Wales. The skis are all fitted with the patented 'tree' cockpit, making the craft unswampable when capsized or when the paddler fails to roll. This type of cockpit makes the craft extremely safe for offshore work, and of course is easy to get on (or off) without the need for straps or spraydecks.

This will be the first time Severn Seas have exhibited at Crystal Palace - last year they had booked space, but were snowed in! (If the weather of January keeps up, there might be a good chance of the firm being snowed in again. . .!)

STAND No. 56 McNULTY SEAGLASS

Always looking to create the very best in kayaks McNulty Seaglass on Stand No. 56 have the latest addition to their range — The Horizon, a touring double of 17ft. The Horizon comes in two deck forms, with a single large cockpit or with two cockpits. This super craft has bulkheads fore and aft to produce watertight compartments, plus hatches in the deck for easy stowage.

Also on show will be their new sea kayak, designed by Chris Hare and intended for day and weekend trips. So new is this craft that at the time of going to press it had not been given a name! The best thing to do is to go and have a look at it on Stand 56. Also new is a surf kayak - again unnamed - but claimed by the designer to be the latest thing in a long line of successful designs.

The Huron, the only cold moulded Canadian open tourer in mahogany veneer to be built in this country for more than 50 years will be worth seeing as one man said, 'it's just beautiful'

For the local people, McNulty's are now offering mould hire and material sales of a general purpose kayak. Full details of hire costs and materials from McNulty Seaglass, Victoria Road, South

STAND No. 95 CAPEL CANOES LIMITED

Capel Canoes Limited are for the first time exhibiting at the Crystal Palace Canoe Exhibition. All their models including the new Capel Canadian will be on display. The Capel Canadian 16ft 10ins overall — is a three seater. ideally suited for family use, fishing, camping, touring, and will be the main feature on their stand.

STAND No. 54 KRAKATOA MOULDINGS

Krakatoa Mouldings announce their 'Atomic' 79 new general purpose/expedition kayak. Basically the same as their well proven Atomic kayak that has been so pupular over the past three years with Education Authorities, Youth Centres, and Groups, the new Atomic '79 has a slightly modified hull to produce more stability. The main difference, however, lies in the seat unit - this has been completely re-designed for more comfort and really superb thigh grips that greatly increase the paddlers control over boat and aid rolling.

Making its debut at Crystal is Krakatoa's new Canoe Polo kayak, the 'Krakabat'. This boat will be used by several teams in the pool at Crystal Palace, despite the fact that it has only been on the market for a few weeks! The Krakabat features the same seat unit as the Atomic '79, and has a really efficient hull shape and a flat rear deck. This feature enables the paddler to spin the boat very quickly in tight situations - a very useful and unique feature in present day Canoe Polo.

Krakatoa's very successful range of Cosmic Pro Slalom kayaks will be continued unchanged this year, except for the colours! All Cosmics are now available in the 1979 colours schemes.

See them on Stand 54...

STAND No. 48 HARISHOK LIMITED

Harishok will be showing their new neoprene rim spraydeck at the Crystal Palace International Canoe Exhibition. The spraydeck features an effective neoprene edge seal, permanent sewn-in elastication, sewn and welded waterproof seams, adjustable shoulder strap and a combined retaining release bar for extreme rough water conditions on rivers or surf. The bar rests upon the cockpit rim and supports the spraydeck. Its two fold action prevents sagging and grips the spray cover edge onto the rim. The bar also serves as a release toggle. Retail prices are generally less than £10.00 including VAT.

On the buoyancy aid side, Harishok lifevests now have a contrasting yellow lining to highlight a number of detailed changes to foam distribution and fit. These Paddling Action products are all featured in the new colour brochure available on Stand 48 at the International Canoe Exhibition, or by writing: Harishok Limited, 12a Jackson Street, Hyde, Cheshire.

STAND No. 32 PYRANHA MOULDINGS LIMTED introduce Pvranha always something new for the National Canoe Exhibition and this year is no exception. Last year the new Pyranha Elite C2 Mk.II was introduced, and this year the Elite C2 Mk.II will be on show - still with a

close cockpit, but introducing a new dimension to the C2 world.

Pyranha also have their new Open Canadian for the show, along with the new Everest and Orinoco II kayaks, adding up to a great deal of interest for the whitewater and general purpose sides of our sport.

Another new item will be the introduction of their new Paddle Vest manufactured in Nylon/Cloth designed with the competitor in mind, but that can be used by anyone.

STANDS 19, 39 and 74 LAWRENCE CANOES & KAYAKS

The news out of Ireland is that Lawrence Canoes and Kayaks are introducing a new range of canoes and kayaks into the UK.

The range covers most areas of canoeing and not only offers the canoeist a choice of model, but also of construction and fittings. Over 10 different models from the Lawrence range will be exhibited at the International Canoe Exhibition on three stands - those of Whitwater Sports Stand 19, Brookbank Canoes Stand 39, and Southern Canoeing Supplies Stand

Of particular interest are the new K1 and K2 models which have won international acceptance in Scandanavia and are available in standard glassfibre, or in special constructions for Sprint or Marathon racing. Also featured will be the two new Canadian Tourers and the specialist rough water kayak - the

Lawrence Easky SKI.

The range will be available from a selected network of British canoeing specialists, through which Lawrence are aiming to provide a full service and quick delivery to the British Canoeist. A list of agents, together with details of models and prices is available from: Lawrence Canoes and Kayaks Limited, Maynooth Road, Celbridge, Co. Kildare, İreland. Telephone: Dublin 288493.

STAND No. 11 **VALLEY CANOE PRODUCTS**

The new competition surf-ski from Valley Canoe Products offers the competitor a high performance ski with a seat well of great comfort, plus a seatstrap with Velcro fastening for instant release if required. The foot-wells have been re-designed and the toe-straps repositioned. After consultation with some of the top surfers, the design will be making its mark in competitions throughout the country, as their suggestions for the ultimate in surf-ski have been skillfully moulded into this already highly successful boat.

The Viper SL has had a new deck added to the well-proven hull design. This gives lower buoyancy overall that will give the lighter-weight paddler a distinct advantage and its lively turning ability seems to have been enhanced too.

Valley Canoe Products will be showing their full range again this year, and among the exhibits will be one of the four Nordkapps that rounded Cape Horn — but arrived back in England too late for last year's Crystal Palace Exhibition. Surfer, Sea canoeist, Slalomist, or Tourist — drop in at Stand 11 and have a chat with one of those Colwick brothers - Frank and Dick.

STAND No. 21 CHRIS HAWKESWORTH LIMITED Chris Hawkesworth Limited, The Wild Water Centre, have interesting new developments for the 1979 season. Among these: a Canadian canoe called 'Wilwa', superb finish with glassfibre hull and wood superstructure, seats and decking: and a double kayak called the 'Duetto', ideal for all touring on lakes, rivers, and canals.

The latest addition to the successful Wild Weather Waterproof range, is the Action Cag. Made in Dartex, welded for 100% waterproofing, with concealed hood in collar, small inside key pocket,

Velcro over zip and quality neoprene

Value for money! Fibre Pile underwear. Complete suit of jacket with full length zip, shaped wool collar, elastic cuffs and waist. Trousers with elasticated waist and trouser bottoms. Price only £18.90 inc VAT. Also a Lightweight Competition Cag in 2oz Ripstop Nylon, with elasticated Velcro cuffs and padded foam collar. Comfortable and stylish!

The above items, as well as the popular Wild Water Centre range of buoyancy aids, paddles, canoes and clothing, will be on show Stand 21.

STAND No. 10 WATER RAT CANOES

Water Rat, the East Anglian brothers of the canoeing world, have been busy developing the Quest. This is their new tourer which has raised bow and stern to cope with rougher estuary and coastal work. Deck paniers are fitted to increase the already large carrying capacity. The firm are keeping to a large cockpit (although redesigned) layout which has proved so popular in the past with their customers, and have also made provisions for a rudder to be fitted, as an optional extra.

Along with a new colour choice Water Rat have done their best to keep prices as low as possible and anticipate approx. 8% price rise since the last increase in May 1978.

All that remains to be seen now is the canoe, and that will be possible at the forth coming International Canoe Exhibition.



BCU-AGM

report by mike haslam

Those from the Midlands and the South who managed to battle their way through the snow-bound devastation of an M6 ungritted through yet more industrial action by the emancipated working man, heard little to cheer them up at the Annual General Meeting of the British Canoe Union.

Before the meeting could even get to grips with the motions on this years' agenda, much time was taken up by a young man at the back of the auditorium insisting on the correctness of last years' minutes; especially regarding a defeated motion which had sought to gain appointment to the BCU Council of the various fledgling Regional Chairman. The admission that the Chairman in question had been incorrectly shown as co-opted members of the front piece of the Unions' Annual Report finally subdued the baying hounds, but the scene had been set for yet another boring 'us versus them' AGM. . .

Members and Access - or rather the lack of them - occupied another halfan-hour or so of time as 'Minutes Arising' from the Minutes and evolved into yet another attack on the way that Council have dealt with these concerns over the past year. It would appear that BCU Council support President, David Wains' sentiment that the most effective way of tackling the problem is with money and support gained from the top of the countries bureaucracy, aided by well behaved and organised canoeists on the rivers - slow but sure. Those not satisfied with this tact were advocating sending gun-boat canoes downstream with law suits blazing and paddles flaying at any anglers or landowners who dare get in their way! A one-sided emotive debate this, that spilled over into the adoption of the Annual Report where it was brought to a head by the suggestion of an Access Fund floated and maintaned by an annual £2.00 per head levy. (No doubt a silent chuckle went through the competitive ranks at this because of their knowlede of Council turning down last years' suggestion of a 10p levy per member towards raising a small administrative fund for the triple World Championships of 1981!) What price an Access Fund levy today?

The presentation of the Annual Report by Geoff Saunders, Chairman of Council, was the highlight of the meeting. He deftly extracted from the written report the Unions hopes for the future arranged within the flowers of each Sections work during the year. He paid tribute to those who work tirelessly on the Unions' Committees for the good of our sport, and he extended the Unions' thanks to Oliver Cock on his pending retirement from being the first full-time Director of Coaching. When the Access issue rudely interrupted the flow of the meeting once again, Ron

Emes, with all the eloquence of a professional commentator, put the matter out of court with the observation that for an organisation supposedly unconcerned by the issue, Oliver Cock's appointment as part-time Access Officer was presumeably a statement of nonintent?? or a mistake! Perhaps we should appoint a part-time Competitions Officer instead!

The Treasurers Report was, as is usual on these occasions, put to the sword and the news that the BCU is nearly £8,000 in the red did nothing to help the situation, nor did the naming of 'Federalisation' and 'Focus' as the main culprits, ease the pain. Despite the present situation, Treasurer Ted Owen was convinced that the measures approved by Council would rectify the situation in the next two years and even build up a surplus into the bargin.

Finally, after a long wait, the result of the poll for the President was declared with David Wain being re-elected by 230 votes to 228 over John Turcan. The lucky five returned as elected members were: Geoff Saunders, Ralph Tyas, Carle Quaife, George Parr, and Geoff Good. Top of the poll was Geoff Saunders with 261, so once again the number of votes cast illustrated just how interested the majority of BCU Members are in who governs the sport on their behalf!

Thus it was that after nearly three hours the motions on the agenda were finally reached. John Liddell made a very sincere plea for support to the Mike Jones Memorial Fund, after which the meeting agreed a donation of £200 from Central BCU Funds. Motion 2 on Federalisation was withdrawn by its SCA sponsors after the news was given to the meeting that the BCU Council and

the Scottish Canoe Association had renegotiated the 1972 agreement as the basis on which the eventual move towards a Federal system could be made.

The big vote of the day was on the proposal to incorporate Regions into the BCU structure and this was passed by 63 to 7 against by those present, with a poll of proxy voters bringing the final totals to 222, with 33 against. The 285 proxy votes held by John Turcan on behalf of our Scottish members were not used by him as he felt it was primarily an English matter and not one of importance to the Scots. Some would see this as a narrow view in the present British situation and a pure political none-use of proxy votes rather than a vote on the merits of the motion and the benefits may or may not have for the Union as a whole.

Finally, after over four hours, the meeting dragged itself to the presentation of awards. With eyes on the clock as train times drew near, and with very few recipients actually there, the awards became an anti-climatic rush completed by the President, David Wain, closing the meeting amid bodies putting on coats and rushing for the doors.

So with thick Manchester fog adding the final layer to a dismal day, the 1979 BCU Annual General Meeting ended. Serious thought must surely be given to the future format of this occasion which should be one of the highlights of the year in the BCU calendar. Even the beautiful and exciting model of the proposed rough water course on the Trent, on display in the main hall, was marred for me by the total lack of recognition by the BCU Water Development Committee that Canoe Racing takes place at Holme Pierrepont. A 'Rowing Course' with little oarsmen was clearly shown, but not a mention of 'Canoe Racing' or a model of a K4 to be sen! Just another example of the way the BCU operates in water-tight compartments, or a genuine oversight? Frank Goodman - any comments?

access-river dart

The access arrangements at Holme Park on the River Dart (one of the few rivers in the south west offering white water canoeing) are being endangered by the canoeists for whose benefit they were made

The complaints are:

1) Bank erosion, parking congestion, and annoyance of other landowners at Holme Park. Please do not use the bridge are for launching and landing. The correct launching point is near the weir inside the Country Park grounds.
2) Avoiding payment of parking and camping fees within the Country Park grounds.

3) Unauthorised use of other Country Park facilities.

The Country Park's purpose is to provide the public with recreational facilities that would not otherwise be available. Please respect them.

(The Dart access arrangements apply from October to the end of January and involve getting a permit from the River Dart Country Park office. Please use the correct launching point and pay up cheerfully. The parking and camping fees are not unreasonable when spread over a party. Bilking is nothing to be proud of. It is also thoughtless, and gives canoeists a bad name, to cause inconvenience and annoyance at the bridge).

Report from Ralph Tyas BCU Access Committee

Introducing the New name in canoeing- lawren

Over the past 21/2 years Lawrence Canoes and Kayaks have developed a range that is winning International recognition and acceptance.

Experienced European and Scandanavian Canoeists attribute Lawrence's success to sound forward-thinking design, a quality standard that meets the most exacting specifications, wide choice of models covering the major areas of Canoeing together with options on constructions and fittings, and a sales network that ensures prompt handling of enquiries and quick-

Now in 1979, the British Canoeist can benefit from this experience won in the demanding markets of Europe and Scandanavia.

Lawrence have established a selected sales network in the U.K. - a network that covers both the retail sports shop specialising in Canoeing and through active British competitors, local and national events.

And at the International Canoe Exhibition this year, no less than ten models of the Lawrence range will be displayed at the Whitewater Sports, Southern Canoeing Supplies and Brookbank Stands.









LAWRENCE - CHECK OUT THE NAME:

MAIN AGENTS: (UK).

Scotland: Lendal Products Ltd., Prestwick, Telephone: Prestwick 78558.

Brookbank Canoes, Poynton, Cheshire. England:

Telephone: Poynton 4849.

Southern Canoeing Supplies, Devizes.

Telephone: Calne 812527.

Whitewater Sports, Woking. Telephone:

Woking 72426. Y.H.A. Services Ltd., Manchester:

Telephone: Manchester 8347119.

Northern Racing Yachts, Comber. Telephone:

Ireland: Comber 872745.

McCready Sailboats Ltd., Holywood. Telephone: Holywood 2888.

Tedford Sports, Portadown. Telephone

11

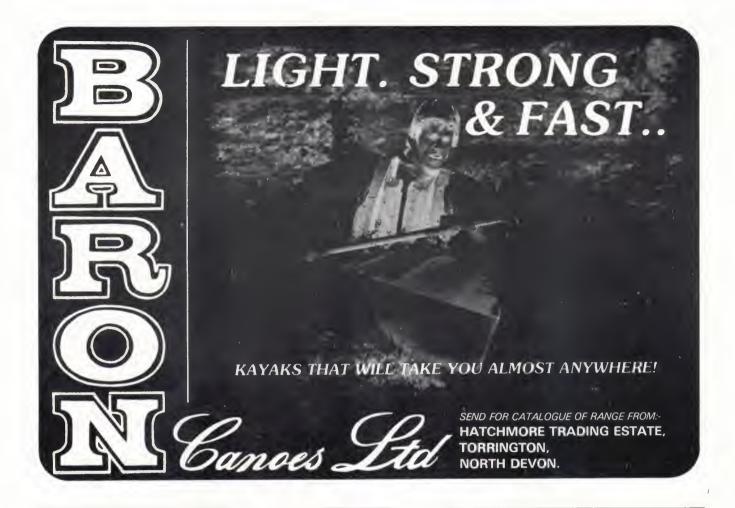
Portadown 38555.



Maynooth Road, Celbridge, Co. Kildare. Ireland. Telephone: Dublin 288493.

Send S.A.E. 20p for Colour Brochure.





WEST MIDLANDS CANOE CENTRE



112 NEW HALL ST., WILLENHALL, WEST MIDLANDS

Many types of canoe and kayak are available from stock, also a large variety of most leading makes of canoeing accessories. Why not come and see for yourself, we are only 5 minutes from junction 10 on the M6, or write for a price list and map.

Open daily from 9am to 5pm except Sundays

HOWARTH SPORTS

27 Limefield Rd, Smithills, Bolton, Lancs Tel: Bolton 43777

SPECIALIST CLOTHING FOR CANOEING & OUTDOORS. CAGS. ANORAKS, HOLDALLS & SPRAYDECKS — Standard & Specials

AGENTS FOR -- LENDAL PADDLES, GAYBO, PUMA AND PYRANHA MOULDINGS --





FIBREGLASS CANOES WIDE RANGE OF FIBREGLASS CANOES

Spearfish Slalom£70.00
Hornet Slalom £70.00
Hustler General Purpose £70.00
Capel Tourer
Double Enterprise £90.00
Papoose Trainer £40.00
Capel Canadian£125.00
Weever Surfer£70.00

ACCESSORIES

Paddles	£7.00
Spraydecks£5.00 ·	- £7.00
Buoyancy Aids	.£12.00
Roof Racks	Various
Helmets	

SEE US AT CRYSTAL PALACE CANOE EXHIBITION

We manufacture all our canoes in a wide variety of colours and all singles have buoyancy, carrying loops and failsafe footrest PLUS extra strengthening at NO EXTRA cost.

Write for brouchure sae to

CAPEL CANOES LIMITED

Five Oak Green, Nr. Tonbridge, Kent. Tel: Paddock Wood 2128 All prices subject to VAT



Plas y Brenin

National Centre for Mountain Activities

Join us for a course in the startling scenery of Snowdonia. The centre is famed for its facilities, range od activities at all levels, and quality of instruction. We cater for individual and group bookings and fully programmed courses are moulded to suit the needs of the student. Ramble and scramble on the high routes, climb the outcrops, canoe the lakes and rivers or surf the beachbreaks, orienteer on the wooded slopes or ski our advanced plastic slope.

CANOE COURSES COMING SOON:
INTRODUCTORY CANOE COURSE (5)
WHITE WATER, SEA AND SURF (5)
YOUNG PEOPLE (W.W.S and S) (2)
WILD WATER CANOEING (2)
SEA SPECIALIST COURSE (2)
COACHING AWARDS (SEA AND INLAND) (2)
ALPINE CANOE COURSE (1)
CANOE BUILDING WEEKEND (1)

BOOK SOON, Demand for places is heavy

The Director, Plas y Brenin, Capel Curig, Betws-y-Coed, Gwynedd. Tel: (STD 06904) 214.

Free Detailed Brochure on Request.





CANOE YHA SHOPS

A WIDE RANGE OF CANOEING GEAR FROM YHA CANOE SHOPS

YHA everyone's canoe centre



YHA SERVICES LTD

BIRMINGHAM 35 Cannon St. Birmingham 021-643 5180 LONDON 14, Southampton St. WC2 01-836 8541 MANCHESTER 164 Deansgate Manchester 061-834 7119

Notes & News

CANOE WORLD RECORD EXPEDITION 1979

The idea of a canoe long distance world record attempt was conceived in August 1978 by Ken Roberts and Eddie Leaf. Since then with the invaluable assistance of Steve Parker, Sue Lander and Dave Vickers this all-British Expedition has been put into reality. Ken Roberts and Eddie Leaf, led by Steve Parker, have been involved in a heavy training programme which includes canoeing, swimming, running and exercises specially designed to build up stamina and endurance. This has been complimented by an equally intensive public relations exercises to raise the necessary sponsorship for the expedition.

The aim of the expedition is for the two canoeists to beat the world long distance canoe record. The record presently stands at 7,516 miles which was set by 2 Americans in 1976 in 23 months on the inland waterways of North America. CWRE '79 intends to travel 9,200 miles in 12 months.

The plan of the expedition is for the two canoeists, Ken Roberts and Eddie Leaf, in their specially built single kayaks to canoe across the Channel from Dover to Calais. From then on, they will follow, as near as possible, the coasts of France, Spain, Portugal and Western Italy. They will circle Sicily and follow the same route back to England. They will be supported by a Land Support Team. The team will consist of Sue Lander and Dave Vickers with whom the canoeists will meet up with at 252 prearranged points along the coasts to provide food and replace any damaged equipment.

Ken Roberts: 32, was born at Colwyn Bay in Wales and now lives in Long Eaton. His past activities are indicative of his adventurous qualities and they include motor racing, rock climbing and parachuting.

Eddie Leaf: 22, was born in Nottingham, and despite having lived abroad for some yeas, has returned to Derbyshire and now lives in Long Eaton, where he works as an Administration Officer for Jones Stroud Textiles.

COMMODORE AND SON.

We hear that Mark Greville-Giddings (who has some little hand in the production of the very fine Mark Gees paddles!) was elected Commodore of The Royal Canoe Club at their Autumn Meeting. His wife also produced a son for him — Duncan James — in October. Congratulations on both counts.

YOUTH AWARD The Pyranha Youth Award for 1978 — an Equipe 79 Slalom Kayak presented to the highest placed Youth/Junior in

Division 1 who had gained promotion to Division 1 during the season — was won by Peter Brownbill of the Manchester Canoe Club.

Pete was promoted at Appletreewick and then turned in some exciting slalom results to finish 5th overall in Division 1. The award was presented by Graham Mackereth, Managing Director of Pyranha Mouldings, at a social evening being given by the North West Training Squad of which Pete is a member. The kayak will be on show on the BCU Slalom Stand at the Crystal Palace International Canoe Exhibition.

TIGER OWNERS GANOE CLUB

Probably the most popular do-it-yourself fibreglass kayak on the UK market is the Trylon Tiger, which, from the number of moulds in circulation, might well suggest a conservative estimate of between 4,000/6,000 Tiger kayaks produced by home builders.

Now in an effort to bring all these owners together, a new club has been established — the Tiger Owners Canoe Club. Although having the support of Trylon Limited, it is totally independant. The object of the Club is to provide all types of canoeing activities for Tiger Owners, from Regattas, Rallies, Competitions, Expeditions, Socials, etc.

The Tiger Owners Canoe Club represents a new dimension on the canoeing scene, and if you own a Tiger or know of anyone who does, then please contact: The Tiger Owners Canoe Club, 87 Dorchester Road, Garstang, Near Preston, Lancashire. Enclose a stamped addressed envelope and full details will be sent in return.

IRISH ADDRESS CHANGE

The Irish Canoe Union has a change of address as of 1st January 1979. The new address is: Irish Canoe Union, c/o Cospoir — National Sports Council, Floor 11, Hawkins House, Hawkins Street, Dublin 2, Republic of Ireland.

CANOE POLO LEAGUE

The first tournament in the Canoe Polo National League takes place at the Bath Road Pool Luton, on Saturday March 10th, starting at 6pm (spectator 20p).

Whatever happens between the top teams of Bere Forest and Luton during the National Finals, to be held at Crystal Palace over the International Canoe Exhibition weekend, this tournament at Luton should see the best concentration of skilful play ever with two teams from Bere Forest, two from Luton, and one each from Northampton and Guildford competing.

AWARD FOR SPRINT PAIR

The BCU Racing Committee are pleased to announce an Otis Olympic Sports Sponsorship Award to Eric Farrell and Trevor Hunter. The award, amounting to £750.00, will purchase a racing K2 for Eric and Trevor in preparation for their quest for success at the Moscow Olympic Games.

The K2 will remain the property of the British Canoe Union. Ron Emes, Director of the National Olympic Training Squad, said on receiving the cheque, 'I believe that Otis have made a wise investment in two extremely talented young sportsmen, who, with adequate preparation and support, should become finalists at the Moscow Olympic Games in 1980'.

MILLION FOR MOSCOW

A campaign to help raise a million pounds for Britain's Olympic competitors was launched by Watneys in January.

Plans for a sustained 18-month long fund raising campaign in aid of the



Otis Award for Eric and Trevor.

British Olympic Association were announced at a Press Conference at The International Press Centre in London on January 17th. To start the fund, a cheque for £10,000 was presented to Sir Denis Follows, cbe, Chairman of the British Olympic Association, by Mr. Robin Soames, Chairman of Watneys London Limited. There to see the cheque handed over were a number of top British sportsmen and Women — but alas no canoeists.

The British Olympic Association have given the Watney group of companies exclusive rights to raise money in the onlicensed trade under the BOA banner.

Three separate brewing companies, Watneys London Limited, Watneys Southern Limited, and Watney Mann (West) Limited are combining forces to raise the money, which will be used to help train, equip and send competitors to the Olympic Games in Moscow in June 1980.

No overall target has been set for the Watneys Olympic Appeal Fund. But Watneys recognise that the BOA need an initial £1,000,000 just to assist competitor in their preparations for the Games, and the aim of the Appeal is to raise as much as possible towards that figure.

WINDSURFER ASSESSMENT COURSE

Sixteen Windsurfer Instructors who have attended Instructor Courses within the past eighteen months were put through their paces in November at Kirtona Farm Waterski and Windsurfing Club, near Reading, at the first assessment figure course to be run in this country.

The course was run by German born, Dago Benz, senior Instructor for Europe who devised the International Windsurfer Schools system. He was assisted on the course by Barry James and Sarah Sutherland, the UK supervising Instructors.

The Instructors attending the course were examined on their demonstration techniques on the water and on a dry land simulator and were marked on their personal sailing style as well as their ability to teach and communicate ably with the pupils. Two novice pupils without previous experience of Windsurfing were used and each Instructor in turn conducted part of a full simulator course. This was followed by a written theoretical examination and is part of a plan by Windsurfer International Schools to raise the standard of instruction to cater for the developement of the sport in the UK.

Further courses will be run before the next season when it is intended to hold Instructor re-assessment courses annually or bi-annually, particular attention is paid to all aspects of safety and courtesy to other water users, together with a constant update of the already well-proven teaching method. In the rest of Europe, potential Instructors are only accepted for a course when they have obtained a sailing license whch includes both life-saving and first aid certificates. This is likely to be a requirement for the future in the UK.

B.C.M.A.



PRE-CHRISTMAS MEETING

A general meeting of the British Canoe Manufacturers Association was held at Redbourn on December 11th, preceded by a Christmas lunch. The amount of wine consumed during the meal was surprisingly small and all members appeared to be quite sober when the meeting was called to order. (It is not clear whether this was an indication of the general sobriety of members, or an indication of the level of profitability inn the trade!)

The three new members, Arrowcraft Marine, Kama Canoes, and McNulty Seaglass, were welcomed to their first

The representatives who serve on the International Canoe Exhibition Committee reported that stand space at Crystal Palace was fully booked and all looked set for another record-breaking show. The BCMA was donating prices for the three best 'amateur' stands. The Association had also offered a perpetual cup and an individual tankard to the winner of the indoor slalom, but arrangements had not yet been finalised with the BCU Slalom Executive.

There was further news on the BCMA Spector (not 'Spectre' as previously reported). Four moulds had now been scheduled for production and should be in the hands of the WWR Committee before the end of January.

The BCMA had been invited to appoint a member to serve on the BCU Safety Committee — Frank Goodman was nominated. The welcomed this further opportunity of close cooperation and liason.

Members were very worried by the appearance on the market of kayaks produced under various employment schemes, funded by the Government's Management Services Commission. Many of these craft were of extremely poor quality and were even sold without toggles, footrests, or any form of buoyancy. Because 'grant aid' covered the costs of overheads, labour and materials, these kayaks were extremely cheap, but many were considered to be very dangerous if used without modifications. The Association would contact the MSC in an attempt to ensure that these boats were of an acceptable standard as regards construction and safety.

FRUITLESS JAN MEETING

This should have been an enthusiastic report following a special meeting arranged by the Director of the British Canoe Union and members of the British Canoe Manufacturers Association to discuss trade cooperation and involvement at the forthcoming World Championships. Alas, this cannot be and I am beginning to wonder if something is seriously amiss.

This Association has always thought that 'grass roots' involvement in the sport was essential for the healthy growth of the sport in general and the ancilliary trade in particular. Previous reports have shown how, by cooperation with the Wildwater Racing Committee, we now have a 'class' down river racer which will give the younger paddler an equal chance in competition. The BCMA also sponsored the 'still' water' slalom event at Crystal Palace and, this year, is presenting the Slalom Committee with a perpetual cup and replica for this event. The amount of involvement by individual members, at all levels of the sport, is enormous and would not be possible to detail here.

In an attempt to get even closer cooperation with the BCU at top level, the Director, Mr Gordon Richards, was invited to attend one of our meetings in October 1978. He failed to turn up and it was not until the next day that he telephoned our Secretary to apologise. We then arranged a special meeting with him and Ron Emes, for January 29th this year, but again, neither turned up and the members, who had travelled from all over the country, were faced with a completely wasted day. . .

What on earth is wrong with the BCU executives? Is the BCU not interested in co-operating with the trade? Is there to be no trade involvement in the forthcoming World Championships, or has this already been sorted out behind the scenes? What is happening to the BCU's house magazine 'Canoe Focus'? Letters regarding serious errors in advertisements are completely ignored. Rates are drastically increased without the advertisers knowledge, while payments for advertising by cheque are sometimes not banked for months. How can one co-operate with such disorganisation? Most of the individuals of the member firms of the BCMA are also members of the BCU! How much longer can they put up with such a ridiculous situation? What do the 'rank and file' members of the BCU think? Please ask for their opinions because we are fast running out of ideas as well as patience.

Report from R.H. Goodman, Chairman, BCMA.

THE TANK OF THE STATE OF THE ST

UMNAK LECTURE

Derek Hutchinson is a senior coach in the British Canoe Union and author of the book, 'Sea Canoeing' defintive work on the aspct of the sport to which he has devoted so much time and energy. He has led several kayak expeditions, gaining a mention in the Guinness Book of Records for the kayak crossing of the North Sea in 1976, when he and two other men paddled non-stop for 31 hours and over 100 miles Felixstowe, England to Ostend in Belgium. Derek has been schoolteacher for the last sixteen years, but has had a variety of occupations including ship's plumber, silversmith, water company inspector, and professional life-guard. He is well known as an authority in the Canoeing World and as the designer of several popular kayaks (six designs to date, these being North Sea Kayak, Baidarka, Explorer Dawn Trader, Shooting Star, and the Umnak). He travels extensively, coaching and lecturing at Sports and Outdoor Activity Centres throughout England, Scotland and Wales.

In June 1978, Derek led a team of five sea-canoeists on a kayak expedition round 250 miles of coastline in the Aleutian Islands, from Dutch Harbour on Unalaska to the tiny Aleut village of Nikolski on Umnak. (article 'Canoeing Magazine issue 20). In spite of being two years in the planning, the expedition had its tone set when food and equipment was destroyed and tents were blown down even before it got under way! This tone was sustained throughout the adventure, since June and July of 1978 turned out to be one of the worst Aleutian summers in living memory . . .

Following on the success of his account of the North Sea Crossing, another facinating illustrated lecture has been prepared on the expedition to the Aleutian Islands.

A camera crew from Harlech Television followed the team in an attempt to film the expedition. The resulting film of the venture will, however, show only a limited version since the camera crew's contact with the kayakists was necessarily

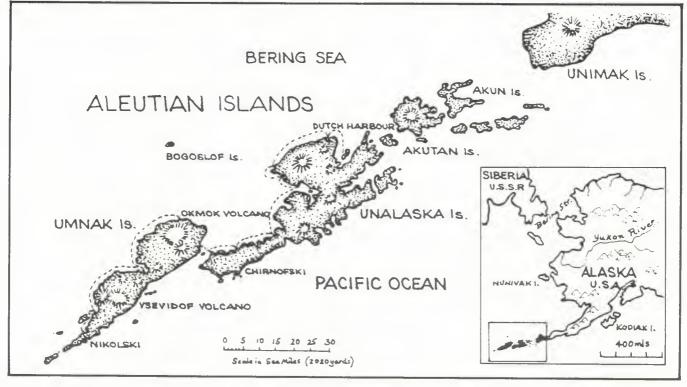
intermittent for reasons which can be best fully explained with the aid of slides and maps, by those involved in the events of this expedition.

The appeal of this new lecture is very wide. It tells of the unpredictable and tempestuous weather of those volcanic islands and of the friendly hospitality of the Aleut people, of the wet misery of paddling narrow, single-seat kayaks in dangerously fast tidal streams through icy winds and amazingly fast-moving fog. Of risks involved when breaking all canoeing rules in a region with no Coastguard system, no possibility of radio link with the mainland and hence, no weather forecasts. Derek Hutchinson also describes the problems of being self-sufficient for the duration of the expedition, all food, equipment and medical supplies having to be carried inside the kayaks.

The group discovered ancient Aleut burial caves and were storm-bound in 'ghost' villages. They had the satisfaction of bringing back many rare and some hitherto unknown specimens of molluscs and lichens, and of proving to the Aluets themselves that the kayak is still a most seaworthy craft and that the skill of kayaking is an art well worth reviving.

If you rate the interest of any adventure by the degree of misery endured by the participants, then you will certainly enjoy the account of the British Alaskan Kayak Expedition.

For details of Derek Hutchinson's lecture and tour dates, contact him: Derek Hutchinson, 18 Marina Drive, South Shields, Tyne & Wear NE33 2NH. Telephone: 0632 566155.





BUMNAK

Derek has come back from the Aleutian Expedition not only with a good lecture, but a reappraisal of the sea kayak that has now led to the new design — the Umnak. Derek explains a little of the background to his design that carries the motif of a fire-breathing

bald eagle on its bow . . .

'I suppose I was motivated to design a new sea kayak for a number of reasons. Over the last three or four years various groups and individuals have asked me to design a kayak that was a little less specialised than my usual type of boat. I'd always found an excuss for not putting pencil to drawing board, mainly due to laziness but also being rather disinclined anyway because most of my own sea paddling was done well off shore and I always used a slalom kayak for surfing and rock dodging.

However, my recent expedition to the Aleutian Islands taught me many lessons. There were many times during our paddle along the Bering Sea Coast when a little more manoeuverable and more stable kayak would have been welcome. The boats we used were undoubtedly fast (my own 'Explorer' design of course), but kayaks built purely with speed in mind can be a little traumatic when it comes to handling expensive cameras, close in shore, in rough windswept seas!

Captain Cook, the explorer and navigator, described the original 'baidarkas' (Russian skinboats) thus: 'They are built in the same manner as those used by the Greenlanders and Eskimaux, the framing being of slender laths and a covering of seal skin. They are about 12-feet long'.

Veniamonoa, the most famous of all the Alaskan Russian Orthodox priests and a noted historian of the Aleuts described the one hatch 'baidarka' as being from 14 to 15-feet long. It would seem that the kayak which is displayed in the Smithsonian Institute in

Washington was longer than most. It is almost 17½-feet long and may have been used mainly as a supply carrier.

When I designed my 'Explorer', although baseing it on Aleut designs, I gave it a length of almost 17 feet and a perfectly straight keel, confident that thereby I was producing a much superior boat. After my experiences in their own waters, I am now obliged to admit that the ancient Aleuts knew best. Hence the work on designing this new sea kayak.

Designer Derek Hutchinson with his Umnak Kayak.



I decided on a length of approximately 151/2-feet long for the 'Umnak' named after the Bering Sea Island. Safety and comfort in rough waters were made the top priorities, although naturally it still had to be suitable for serious distance coastal recconnaisance work by the expert. It had to give a feeling of security to those people who were venturing onto the sea for the first time, as well as be acceptable to the advanced sea-canoeist. I also felt a more versatile kayak should be available to coaches and instructors who lead groups on the sea or large lakes. Looking much farther into the future, it would be nice to design a kayak suitable to be paddled by the Aleuts themselves, as the absolutely straight running characteristics of my previous designs would be quite unsuitable for their particular needs'.

The Unmak is now in full production with P&H Fibreglass of West Hallam and, as Dave Patrick explained, while this sea kayak is a completely new venture for his firm, along with the cutting of deck holes for hatches and pumps and all the pipe work that goes with it, not to mention all the ropes and fittings that sea canoeists seem to demand on their boats, he is confident that the kayak will compete favourably with any other boat of a similar type on the market.

that the kayak will compete favourably with any other boat of a similar type on the market.

Full details of the Umnak can be obtained from: P&H Fibreglass Limited, Old Stanley Colliery, Station Road, West Hallam, Ilkeston, Derby. Telephone: Ilkeston 320155.

Cut away drawing of the Umnak Kayak.

EVENTS & COURSES

ZAANREGATTA

This year's 21st International Zaanregatta will be held in Holland over the weekend June 9th/10th Classes cover K1, K2 and K4 for events over 500, 1000 and 10,000 metres for men; 500 and 3,000 metres for women.

No official British Team will be competing at the regatta this year, so entries are open to any canoe club members. Entries and details: H.J. Brand, Secretary 'Zaanregatta', Sekr.

Geuzenpad 2, Zaandam, Holland.

NEW SURF EVENT

This year there will be a new competition in the surfing calendar — The Penwith Surf Canoeing Championships. These championships will be held at Godrevy near Hayle over the weekend June 9th/10th.

The organisation will be trying out a few new ideas in an effort to improve

the judging of surf competitions. Thus, if anyone would like to forward their ideas, they will be considered for inclusions. It is hoped for a large surf-ski entry while women should note that they can compete in slalom, surf kayak, or ski in their event. A number of competitors are expected from France.

Later in the year the Cornish Surf Canoeing Championships will be held at Sennen Cove over the weekend October 13th/14th. Details of both competitions from: Mrs. P. Meardon, 9 Spernen Close, Carbis Bay, St. Ives, Cornwall.

CANOE TOURIST TRIAL

Westels' second Canoe Tourist Trial on the Basingstoke Canal will be held on April 29th. Closing date for entries is April 16th.

The Aldershot end of the canal will have been dredged by the Spring, which should make the going considerably

Effendi

Zephyr

Capel Tourer

easier. The starts for the less crowded groups will be closed up so there will be less delay at the launch point and, as dredging from Odiham has now reached the 'Barley Mow', the club is adding a 30 mile section for the really keen long distance paddlers!

Hopefully there will be more drinks, particularly at the Aldershot turn. Entry fee is provisionally 75p. Details from Jeff Simmons, Secretary Westel Canoe Club. (Alas no address with press release, and the club does not appear on BCU Club List for 1978 . . .!)

EASTER MARATHON

136.44

132.00

75.00 75.00

grp

grp

Devizes to Westminster — the toughest canoe race in the world. 125 miles non-stop: 54 miles on the Kennet and Avon Canal from Devizes to Reading, then 71 miles down the River Thames to Westminster with the last 17 miles over tidal waters. Along the route some 76 locks to be portaged.

The race is open to double crews between 16 and 19 years in the Junior Class, and to those over 18 years — of either sex — in the Senior Class. The entry fee is £12.00 per crew. Closing date is Friday March 23rd. Entries and details: D.W. Keane, 12 Swakeleys Drive, Ickenham, Uxbridge, Middlesex UB10 8QB.

Canoe Centre

Canoe Sport

Capel Canoes

Cymru Canoes

BUYING GUIDE

A buying guide to canoes and kayaks from the major manufacturers in Britain. Featuring canoes and kayaks in glassfibre reinforced plastic (grp), diolen (dio), kevlar (kev), sandwich (san), high density polyethylene Sclair (scl), and aluminium (alu). All prices quoted are as of 1st January 1979, exworks, and do not include VAT.

TOURING SINGLES		PRICE	MANUFACTURER
Ace Elektra Mk 2 Mistral Rapide Gentle Zephyr Cresta Cygnet Saga	scl grp grp grp grp grp grp	95.00 98.50 117,00 98.50 131.75 105.50 105.50 106.50	A.C. Canoe Products Avoncraft Avoncraft Avoncraft Baron Canoes Canoe Centre Canoe Centre Canoe Centre

Olympia Wanderer Warrior Wyvern Wizard Wippet Classic Trailer Tiger Searcher Trailblazer TS1 Single SEA Single Swift Viva Tiger Vagabond Quest Telstar Calypso Python	grp grp grp grp grp grp grp grp grp grp	44.00 88.00 80.00 107.00 82.00 72.00 115.50 75.00 108.00 140.00 130.00 80.00 83.00 94.00 75.00 85.00 67.00 89.00	Granta Boats Gaybo Ltd Kama Canoes Lawrence Canoes Cawrence Canoes Ottersports Ottersports P & H Fibreglass P & H Fibreglass Tylon Ltd Valley Canoe Products Water Rat Canoes Whitewater Sports Wild Water Centre
Adventurer II Trekka Searcher II Ventura LoLine Ventura HiLine Bentura Bline Enterprise Wayfarer Classic Kama Two Searcher Horizon TD2Double Trapper Tourer II Seven 77 Ardeche Tourer Double	grp grp grp grp grp grp grp grp grp grp	137.00 135.25 125.00 142.00 145.38 151.42 90.00 105.00 98.00 110.00 125.00 130.00 174.00 130.00 95.00	Avoncraft Baron Canoes Brookbank Canoes Canoe Centre Canoe Centre Canoe Centre Capel Canoes Granta Canoes Granta Boats Kama Canoes Lawrence Canoes McNulty Seaglass Ottersports P & H Fibreglass P & H Fibreglass Severn Seas Trylon Ltd Water Rat Canoes

Sioux Duetto	grp	89.00 120.00	Whitewater Sports Wild Water Centre				
TOURING CANOES		PRICE	MANUFACTURER		1		
Beaver Master Beaver Junior Kanook Capel Traveller Coureur Long Nose Grumman 13 Grumman 15 Grumman 17 Grumman 18 Kama Canadian Coyote 490 Wolf 520 Huron Huron Canadian Indian Bobcat Bobcat Wilma	grp grp grp grp grp grp alu alu grp grp grp grp grp grp grp	165.00 162.00 154.72 125.00 130.00 180.00 260.00 300.00 340.00 205.00 230.00 145.00 230.00 140.00 170.00 140.00 160.00	Avoncraft Avoncraft Canoe Centre Capel Canoes Granta Boats Granta Boats Gaybo Ltd Canadian-Canoe Canadian-Canoe Canadian-Canoe Canadian-Canoe Kama Canoes Lawrence Canoes Lawrence Canoes McNulty Seagl McNulty Seagl McNulty Seaglass Ottersports Ottersports P & H Fibreglass Valley Canoe Products Wild Water Centre	Spectre 200 Spectre 200 Allegro Temp Loisach Connoisseur Spearfish Hornet Everest Everest Equipe 79 Epee Epee Epee XS Epee XS Trophy Trophy II Tally Ho Tytan Panther Tempest Snipe Hydro	dio kev grp grp grp dio kev kev grp kev grp	102.00 127.00 114.22 108.96 108.96 70.00 70.00 90.00 100.00 155.00 90.00 135.00 95.00 135.00 87.00 74.00 83.00 110.00 66.00 74.00 83.00	Brookbank Canoes Brookbank Canoes Canoe Centre Canoe Centre Canoe Centre Canoe Centre Canoe Cantre Capel Canoes Cyrmu Canoes Cyrmu Canoes Cyrmu Canoes Fi-Bo Fi-Bo Fi-Bo Granta Boats
GENERAL PURPOSE		PRICE	MANUFACTURER	Meister (80/Supr.) Reflector Sanna (Supr.)	grp grp	111.00 111.00 111.00	Gaybo Ltd Gaybo Ltd Gaybod Ltd
Gnat Leda Katana Katana Sprat Sprite Classic Slipper Combi Olymp 4, 5, 6 Funa Olymp 4, 5, 6 Funa Olympia H & S Sting Olympia Atomic Atomic Atomic Sprite TS5 Harrier Alpha Orinoco Phazer Everest Orinoco	grp grp grp kev grp grp grp grp grp grp grp grp grp grp			grp 75.0 grp 97.1 kev 128.6 dio 102.0 kev 122.0 dio 105.0 grp 99.0 grp 99.0 grp 89.5 grp 99.0		Kama Canoes Kama Canoes Krakatoa Krakatoa Krakatoa Krakatoa Krakatoa Lawrence Canoes Lawrence Canoes McNulty Seaglass McNulty Seaglass P&H Fibreglass P&H Fibreglass P&H Fibreglass Pyranha Trylon Ltd Tyne Canoes	
Ardeche Tornado Panther	dio grp	110.22 110.22 95.00	Pyranha Shepperton Design	JUNIOR KAYAKS	_	PRICE	MANUFACTURER
Caranoe Soar Valley Mk1 Soar Valley Mk3 Cadet Sports Instructor(Lifeguard) Apache Olympic Olympia Python	grp grp grp grp grp grp grp grp	83.00 82.00 85.00 88.00 95.00 69.00 100.00 55.00 67.00 89.00	Trylon Ltd Valley Canoe Products Valley Canoe Products Valley Canoe Products Valley Canoe Products Water Rat Canoes Whitewater Sports Whitewater Sports Whitewater Sports Whitewater Sports Wild Water Centre Wild Water Centre	Minnow Kadet Tytan Jnr. Olymp Inn Minor Shrimp Harrier Junior Imp Tinker Inn Minor	grp grp grp grp grp dio grp grp	75.00 80.51 68.00 81.40 65.00 74.00 65.00 60.00 62.50 50.00 65.00	Avoncraft Canoe Centre Granta Boats Gaybo Ltd. Kama Canoes Lawrence Canoes McNulty Seaglass P&H Fibreglass Tyne Canoes Whitewater Sports Wild Water Centre
SLALOM KAYAKS		PRICE	MANUFACTURER	SLALOM C1 CANOES		PRICE	MANUFACTURER
Stiletto Supreme Falchion Falchion XL Ferrara Mk2 Ferrara Mk2	grp grp rev grp kev	98.50 115.00 145.00 115.00 145.00	Avoncraft Baron Canoes Baron Canoes Baron Canoes Baron Canoes	Centaur Pro Slalom Slalom C1 Elite C1	grp grp grp dio	111.55 116.50 99.00 120.00	Canoe Centre Gaybo Ltd P&H Fibreglass Pyranha

	-	- ' 7					
				Kaitu Sprinter o/s Sprinter u/s Sprinter Marathon Sprinter Sprint	grp grp grp dio san	140.00 165.00 170.00 204.00 221.00	Granta Boats Lawrence Canoes Lawrence Canoes Lawrence Canoes Lawrence Canoes
SLALOM C2 CANOES		PRICE	MANUFACTURER	Sprinter Sprint	5011	221.00	Lawrence Canoes
Profile	grp	153.78	Canoe Centre	OTHER RACING		PRICE	MANUFACTURER
Slalom C2 Slalom C2 Elite C2	dio grp dio	187.00 120.00 160.00	Gaybo Ltd P&H Fibreglass Pyranha	Sprint K4 Winner Sprint C1 Delta Sprint C2 Cheeta	grp grp grp	434.85 146.46 195.50	Canoe Centre Canoe Centre Canoe Centre
DOWN RIVER KAYAKS		PRICE	MANUFACTURER	CLASS RACING		PRICE	MANUFACTURER
Tornado Sprimton 3 Sabre Sabre	grp grp grp kev	108.00 95.00 129.00 167.00	Avoncraft Tyne Canoes Baron Canoes Baron Canoes	Barracuda Cl.4 Tasman Cl.4	grp grp	173.15 173.15	Canoe Centre Canoe Centre
Machette Machette Shark	grp kev grp	129.14 167.00 117.13	Baron Canoes Baron Canoes Canoe Centre	SURF KAYAKS		PRICE	MANUFACTURER
Zenith 2/3 Zenith 2/3 Renagade Renagade Interceptor Sprint 3/4 Thor Shaft II Carrera Roughrider	grp kev grp dio grp grp dio dio grp	110.00 140.00 100.00 105.00 120.50 115.00 120.00 120.00 100.00	Fi-Bo Fi-Bo Fi-Bo Fi-Bo Gaybo Ltd P&H Fibreglass Pyranha Pyranha Whitewater Sports	Vega Weever Trophy Surf Tally Ho Surf Striker Surfer Mk.II Surfer 79 Stripper Ripper Spider	grp grp grp grp grp grp grp grp	99.74 70.00 108.00 110.00 120.00 93.00 93.00 93.00 95.00	Canoe Centre Capel Canoes Granta Boats Granta Boats Grants Boats P&H Fibreglass P&H Fibreglass P&H Fibreglass P&H Fibreglass P&H Fibreglass Severn Seas
DOWN RIVER CANOES		PRICE	MANUFACTURER	Wave Bob One Wave Bob Two	grp grp	95.00 115.00 73.00	Severn Seas Severn Seas
Superstar C1 WW C2 WW C1	grp dio	127.00 198.00	Gaybo Ltd Gaybo Ltd	Weever Surf Shoe 73 Moccasin	grp grp	95.00 99.00	Trylon Ltd Valley Canoe Products Valley Canoe Products
WW C2	grp	120.00 150.00	P&H Fibreglass P&H Fibreglass	Skeet Com Skeet	grp	99.00 99.00	Valley Canoe Products Valley Canoe Products
WW C2 RACING K1							
	grp grp dio grp grp grp	150.00	P&H Fibreglass	Com Skeet		99.00	Valley Canoe Products
Espada Stephen K1 Espada o/s Espada o/s Espada u/s Ranger o/s Ranger u/s Lancer u/s Lazer u/s Rapier Sprint Rapier LD Javelin Sprint Javelin LD Renner 2 Stinger u/s Striker o/s Striker u/s	grp dio grp grp grp grp grp grp grp grp grp grp	150.00 PRICE 113.50 125.00 113.57 117.96 142.49 149.07 142.49 149.07 129.85 136.44 180.00 155.00 127.00 125.00 129.00 129.00 138.00 142.00	P&H Fibreglass MANUFACTURER Avoncraft Avoncraft Canoe Centre CanoeSport Canoe	SEA KAYAKS Meridian See Adler See Schwann See Jay See Vogel Atlantic Esky Vyneck Easky Baidarka Explorer Baidarka Expedition Umnak Eskimo Aleut Swift Ski Seahawk Anas Acuta	grp grp grp grp grp grp grp grp grp grp	99.00 PRICE n/a 100.00 120.00 140.00 180.00 120.50 120.50 145.00 99.00 115.56 169.78 120.00 110.22 165.00 106.00 95.00 125.00	MANUFACTURER Canoe Centre Granta Boats Granta Boats Granta Boats Granta Boats Gaybo Ltd Gaybo Ltd Kama Canoes Lawrence Canoes McNulty Seaglass McNulty Seaglass P&H Fibreglass Pyranha Severn Seas Severn Seas Trylon Ltd Valley Canoe Products
RACING K1 Espada Stephen K1 Espada o/s Espada u/s Ranger o/s Ranger u/s Lancer o/s Lancer u/s Lazer u/s Rapier Sprint Rapier LD Javelin Sprint Javelin LD Renner 2 Stinger o/s Striker u/s Striker u/s Striker Marathon Striker Sprint	grp dio grp grp grp grp grp grp grp grp grp grp	150.00 PRICE 113.50 125.00 113.57 117.96 142.49 149.07 129.85 136.44 180.00 155.00 180.00 127.00 125.00 129.00 138.00 142.00 170.00 185.00	MANUFACTURER Avoncraft Avoncraft Canoe Centre Canoe Sport CanoeSport CanoeS Lawrence Canoes Lawrence Canoes Lawrence Canoes Lawrence Canoes	SEA KAYAKS Meridian See Adler See Schwann See Jay See Vogel Atlantic Esky Vyneck Easky Baidarka Explorer Baidarka Expedition Umnak Eskimo Aleut Swift Ski Seahawk Anas Acuta Nordkapp (12 models)	grp grp grp grp grp grp grp grp grp grp	99.00 PRICE n/a 100.00 120.00 140.00 120.50 120.50 145.00 99.00 115.56 169.78 120.00 110.22 165.00 106.00 95.00 125.00 129.00	MANUFACTURER Canoe Centre Granta Boats Granta Boats Granta Boats Granta Boats Granta Boats Granta Boats Gaybo Ltd Gaybo Ltd Kama Canoes Lawrence Canoes McNulty Seaglass McNulty Seaglass P&H Fibreglass Pyranha Severn Seas Severn Seas Trylon Ltd Valley Canoe Products Valley Canoe Products

MARCH 1979 21

THE LONG RIVER CANOEIST CLUB

THE LONG RIVER CANOEIST CLUB A UNIQUE CANOEING CLUB

Have you ever wanted to canoe a particular river or sea-way and found that even when you contacted the varied official bodies, you still found the information you desired was not forthcoming? — or it was second-hand? It is an important item on any expedition's list, to try and ascertain as much information of the area to be explored or canoed as possible. Due to the present financial climate, the amount of 'know how' prior to the departure of a team can mean the difference between a viable expedition or one deep in the red and all because of some fact that was not discovered beforehand! Now read on.

It was in 1975 that I found that I was spending a great deal of time and energy in chasing around after vague references and bum information from certain quarters - that I tumbled to the idea of starting up a 'pool' of canoeists who had actually canoed the various rivers of the world, and who would be willing to pass expertise on to anyone interested. The Club was to be unique — a pool of international canoeists - held together by their interest in canoeing, with no bars on Nationality, and most important, it would be free and without the usual AGMs, Committee or Sub-Committees! (I expect that readers are wondering how I manage to run the Club, without fees to pay for stationery, membership cards, stamps etc - well I have a full time job, and don't mind putting a few pounds a year towards my sport!). The reason I did away with fees, AGMs etc., is that it was long ago that I found that a high percentage of canoeists disliked being members of clubs which were too formalised . .

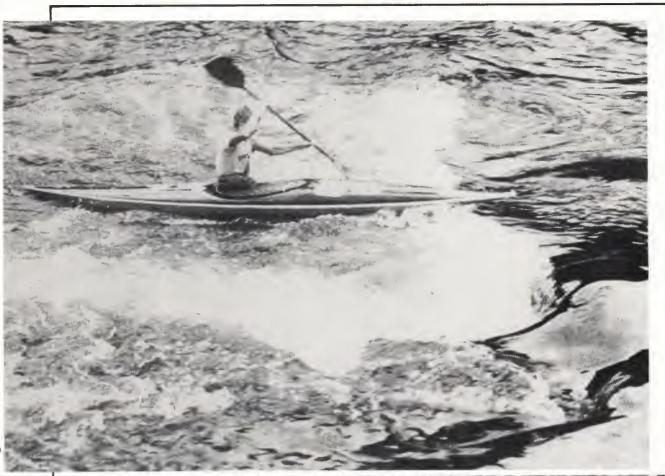
I began to write to canoeists who had been known to have information on certain rivers, and they were willing to join the 'pool'. This has gone on, until now and we have members all around the world who have canoed rivers from the Amazon to the Zaire (would you know where to get information on these rivers if you wanted to mount an expedition? — no? — that's why the Long River Canoeist Club was started). Each member gets a membership list which contains all details of members — names, address, telephone numbers, plus

details of rivers or sea-ways canoed—this list allows any member to contact another who will, for the cost of a SAE or International Reply Coupon, tell all! Also at intervals each member gets a newsletter giving details (and addresses) of coming expeditions/journeys or the latest information on the position of an expedition that is going on. It also acts as a platform for expeditions that wish to advertise their Expedition Reports/Books, or ask's for members for canoeing ventures etc. etc. On

joining, each member is issued with a membership card, this serves as an introduction to other members and in time we hope to get preferential rates from canoe and kayak manufacturers, dehydrated food firms, equipment firms. In exchange the member would be willing to advertise on his canoe/kayak the food/equipment he is using. The Club is world wide, and thus the manufacturer would get a wide reading!

Each year the Long River Canoeist Club has a stand at the Canoe Exhibition at Crystal Palace - why not pop along to see what it is all about? Also if you ever want to know if the Cape Horn Canoe Expedition or the Caribbean Kayak, or the River Nile or the North Wales Expedition to North West Greenland, etc. etc. have any expedition reports for sale, drop me a line, and I will forward your letter on to the people involved. Better - join the Club and have a host of information at your fingertips. All you have to do is pass on the information YOU may have if another member asks for it. Below is a list of the club 'Notes' which will give you more idea of its purpose, for any questions/membership application forms, please contact: Mr. Peter Salisbury, Chairman LRCC, 238 Birmingham Road, Redditch, Worcestershire B97 6EL.

- 1. The Club is primary for canoeists with experience of rivers/sea-ways canoeing of one hundred miles (160Km) and upwards to any distance.
- 2. It is an informal International Postal association of canoeists who have an interest in long distance travel in canoes or kayaks.
- 3. It is a means whereby information of particular rivers/sea-ways, can be passed between members who have canoed or who have information on the rivers/sea-ways in question.
- 4. It will be able to give advice on equipment needed for extended periods away from habitation or civilisation.
- 5. The Club will have no political, religious or ethnical bias and is open to any nationality of any country.
- **6.** A regular list of addresses will be sent to each member, giving details of the waters that each member has canoed, this will allow for free flow of ideas between members. Any other query to the Chairman.
- 7. A 'Newsletter' will be sent to each member regularly, containing outline details of forthcoming expeditions. A more complete information sheet on an expedition will also be sent out when all information has been collated.
- 8. All forms of inquiry to other members or Chairman to be by post, plus a SAE or International Reply Coupon to be enclosed.
- 9. Membership will be free, as if each member uses SAE/International Reply Coupon cost will be nil.
- 10. All members are asked to forward from time to time to the Chairman a record of his/her travels/voyages/expeditions etc, for the Club Library.
- 11. Any information, maps charts, publications or advice which any member wishes to pass on to the Club will be held in the postal library and will be despatched on a 'return when read' basis to any other member.
- 12. All members are asked to complete an application form, and provide two photographs of approx size $30\text{mm} \times 30\text{mm}$ ($1\frac{1}{4} \times 1\frac{1}{4}$ inch) for attachment to membership card and to club index card (Photo Booth type of photo acceptable).
- 13. On receiving completed membership application form, a membership card plus an updated member list will be returned to member-gratis.
- 14. Any member who wishes to nominate another person for membership, is to ask the Chairman for application form, and the proposers name to be entered on bottom of new members form.
- 15. A Club badge has been designed, also club sweaters are available (machine knitted) enquiries to Chairman.





IMPETITIO

SPRINT RACING

APRII

15 or 16

EASTER REGATTA, Thorpe Water Park. Opening Regatta - restricted programme. Details: Di Lawler, 93 Chertsey Lane, Staines, Middx.

28/29th

SPRING REGATTA, Holme Pierrepont. Full programme - Selection events Jnrs & Snrs - Dutch Match). Details: Regatta Committe c/o NWSC Holme Pierrepont, Nottingham.

MAY

6/7th

MAY REGATTA, Thorpe Water Park. Restricted programme, International Match and Olympic Day. Details: Regatta Committee c/o NWSC. Holme Pierrepont, Nottingham.

26/27th

COMMITTEE REGATTA, Holme Pierrepont. Full programme, K4, 10,000 Nat Champs. Details: Regatta Committee c/o NWSC, Holme Pierrepont, Nottingham.

JUNE

2nd

SHOREHAM REGATTA, Shorham Sx. Open Regatta, restricted programme, 500m events. Details: A. Scott, 6 Sandown Road, Southwick, West Sussex.

WEY REGATTA, Thorpe Water Park. Open Regatta, restricted programme K2 10,000M Nat Champs. Details: P. Finch, 4 Warwick Lane, St Johns, Woking, Surrey.

WOKING REGATTA, Woking. Open Regatta, restricted programme - 500M Course. Details: A. Tullet, c/o D. Lawler, 4 Warwick Lane, St Johns, Woking, Surrey.

22/24th

INTERNATIONAL, Holme Pierrepont. Int. Snr. & Jnr. events. Restricted Club entries. Snr. Selection events. Details: Regatta Committee c/o NWSC, Holme Pierrepont, Nottingham.

STRATH CLYDE, Strath Clyde Park. Full programme, K1, 10,000M Nat Champs. Details: A. Samuel, Auchenberg, Hse, Auchengillen Blanefield, Glasgow.

MARLOW REGATTA, Marlow Bucks. Open Regatta, restricted programme. Details: P. Lee, 66 Newton Rd, Marlow, Bucks.

JULY

7th

ROYAL REGATTA, Thorpe Water Park. Open Regatta, restricted programme. Details: Padde Committee, Royal CC Trowlock Island, Teddington, Middx

ROYAL K1 10,000M, Trowlock Island. Paddling Challenge Cup. Details: Paddle Committee, Royal CC Trowlock Island, Teddington, Middx.

14/15th

NATIONAL CHAMPIONSHIPS, Holme Pierrepont. Full programme 500 & 1000M Nat Champs. Snr. & Jnr. Selection events). Details: Paddle Committee, Royal CC Trowlock Island, Teddington, Middx.

AUGUST

ROYAL THAMES REGATTA. Trowlock Island. Open Regatta, restricted programme. Details: Paddle Committee, Royal CC Trowlock Island, Teddington,

YOUTH REGATTA, Holme Pierrepont. BCU Youth Championships and Regional Championships. Details: Regatta Committee. c/o NWSC, Holme Pierrepont, Nottingham.

RICHMOND REGATTA, Thorpe Water Park. Open Regatta, restricted programme. Details: Di Lawler, 93 Chertsey Lane, Staines, Middx.

INTER CLUBS REGATTA, Holme Pierrepont. Full programme, Inter Clubs Championships. Section AGM. Details: Regatta Committee, c/o NWSC, Holme Pierrepont, Nottingham.

????, Thorpe Water Park. Provisional Regatta - offers open.

MARATHON

FEBRUARY

WINDSOR, Details: D.F. Capps, 9 Mill Ride, Ascot, Berks SL5 8LE.

WATERSIDE A, Details: K. Donkin, 47 Wendan Road, Newbury, Berks.

TIER 3 MARCH

GAILEY, Details: B.D. Lucas, 139 Rodbaston Drive, Penkridge, Stafford.

TIER 4

WATERSIDE B, Details: K. Donkin, 47 Wendan Road, Newbury, Berks.

DRIFFIELD NAVIGATION, Details: Mrs. Colbeck, 21 Bellfield Drive, Well Lane, Willerby, Hull.

TIER 3

OXFORD, R. Haynes, Riverside Centre, Donnington Bridge, Oxford.

TIER 4

WATERSIDE C, Details: K. Donkin, 47 Wendan Road, Newbury, Berks.

TIER 3

25th

NOTTINGHAM, Details: G. Oliver, Nottingham K C, Trentside, Nottingham.

TIFR 4 APRIL

WATERSIDE D. Details: K. Donkin, 47 Wendan Road, Newbury, Berks.

TIER 3

READING, Details: K. Lovell, 74 Reeds Ave., Earley, Reading, Berks.

TIER 4

DRIFFIELD NAVIGATION, Details: Mrs. Colbeck, 21 Bellfield Drive, Well Lane, Willerby, Hull.

TIER 3

LINCOLN, Details: L. Oliver, Cotswold, High St. Reepham, Lincoln.

TIER 4 13/16th

DEVIZES-WESTMINSTER. Details: F.C. Bartlett, 19 The Chantry, Hillingdon, Middlesex, UB8 3RA.

TIER 3

22nd

CHELMER, Details: J.E. Marriage, Budds Farmhouse, Highwood, Chelmsford, Essex.

HULL & DISTRICT, Details: G.M. Edwards, 137 Carr Lane, Willerby, Hull HU10

TIER 4 MAY

BUNGAY YOUTH RACE, Details: J. Day, 31 Wherry Road, Bungay, Suffolk.

TIFR 3

ROTHER, Details: Mrs. D. Novis, 21 Osborne Close, Hastings, Sussex TN34 2HU.

BEDFORD-ST NEOTS, Details: D. Saxby, 82 Highfield Rd., Leighton Buzzard, Reds

TIER 4

WYE, Details: A.C. Spencer, 63 Three Crosses Road, Ross-on-Wye, Hereford.

LEE & STORT, Details: B. Russell, Outdoor Pursuits Centre, Burnt Mill Lane, Harlow, Essex.

FLADBURY, Details: D.W. Train, Glen Villa, Fladbury, Nr Pershore, Worcs.

MAIDSTONE, Details: I. Bourn, 10 Sunnymead Ave., Gillingham, Kent.

LEAMINGTON, Details: R.A. Sowman, 23 Stanton Walk, Woodloes Park, Warwick, CV34 5UY.

LYNHER RIVER, Details: B. Smart, 24 Beresford St., Stoke, Plymouth PL2 3AJ

(SLALOM - continued from p28)

AUGUST

4/5th

WASHBURN, (2) W. Yorks C.C. Details: K. Cooke, 15 Cypress Ave., Wakefield, W. Yorks.

18/19th

FAIRNILEE, (4/N) (Scot. Can.) Selkirk H.S.C.C. Details: J. McPherson, The High School, Selkirk, Roxburghshire.

SEPTEMBER

1/2nd

MARPLE, (4) Manchester C.C. Details: M. Scott, 27 Tatton Drive, Sandbach Ches. HOWSHAM, (4/N) York C.C. Details: P. Stephenson, 74 Newland Park Drive, Hull

Rd., York.

IRONBRIDGE, (N) Shrewsbury C.C. Details: P.J. Jarrett, The Barracks, Cardington, Church Stretton, Salop.

8/9th

WHORLTON, (3/4) Tees K.C. Details: L. Smith, 6 Earlsdon Ave., Brookfield, Middlesborough.

TEVIOT BRIDGE, (4/N) Roxburgh C.C. Details: K. Fraser, 2 Mansfield Sq., Hawick, Roxburghshire.

GLASSHOUSES, (N) Leeds C.C. Details: N. Small, 3 Manor CLose, Bramhope LS16 9HQ.

DUCK MILL, (N), Viking C.C. Details: M.J. Carter, 5 Clarendon St., Bedford.

15/16th

MATLOCK, (4) Sheffield C.C. Details: K. Stubley, 42 Barncliffe Cresc., Sheffield S10 4DA.

HAMBLEDON, (N) Chalfont Park C.C. Details: N. Underwood, 202 Kings Rd., Harrow, Middx.

WINCHESTER, (N/O) Winchester C.C. Details: F. Constable, 1 Kingsley Place, Stanmore, Winchester.

(14/15: Grandtully: Combined Services

Championships) (16th: Grandtully: Scottish Confined Championship: I. Ross, Belrorie, Dinnet, Aboyne, Aberdeenshire).

22/23rd

CASTLEFIELDS BINGLEY, (4/N) Bradford & Airedale C.C. Details: G. Wade, 126 Broadstone Way, Bradford 4.

COMRIE, (4/N) Glasgow Univ. C.C. Details: The Competition Secretary, G.U.C.C. Stephenson Building, 77 Oakfield Ave., Glasgow.

29/30th

SERPENTS TAIL, (1) Manchester C.C. Details: A.F. Hardisty 8 Muirfield Close, Prestwich, Manchester.

WEST TANFIELD, (4/N) W. Yorks C.C. Details: S.D. Nash, 151 Penistone Rd., Waterloo, Huddersfield HD5 8RP.

OCTOBER

6/7th

ROYAL DESSIDE, (2/3) (Scot. Can.) Aberdeen K.C. Details: G. Hatfield, 2 Straik Rd., Skene, Aberdeen.

SHEPPERTON, (4) Shepperton S.C.C. Details: C. Young, 17 Kingsley Rd., Hounslow Middx.

CARLISLE, (4/N) Carlisle C.C. Details: W.A. McPhee, 20a Broadwath, Heads Nook Carlisle

PONTRILAS, (N/O) Wyedean C.C. Details: R. Gardner, The Bungalow, The Square, Prosper Lane, Coalway, Coleford, Glos.

13/14th

LLANGOLLEN TOWN, (1) Staffs & Stone C.C. Details: E.P. Baskerville, 26 Hartlands Rd., Eccleshall, Stafford ST21 6DW.

POTARCH, (3/4) (Scot. Can.) Aberdeen Univ. C.C. Details: R. Duncan, A.U.C.C. Butchart Recreation Centre, University Rd., Aberdeen.

BURNGATE MILL, (N/O) W.S.S.C. Details: The Secretary WSCC Canoe Section, 42 Springvale Rd., Kingsworthy, Winchester

20/21st

LLANDYSUL, (2) Bristol C.C./Bristol Univ. C.C. Details: P. Delaney, 6 Milton Park Rd., Weston-Super-Mare, Avon.

MIDDLESTON IN TEESDALE, (3) Tees K.C. Details: M. Hansell, Lingmall, Parsons Lane, Swainby, Cleveland. **DARLEY ABBEY,** (4) Midland C.C. Details: J.A. Nelson, 30 Weirfield Rd., Darley Abbey, Derby.

27/28th

TRAINING COURSE, Llangollen B.C.U. Details: from K. Langford.

SEATON PARK, (N) Details: Mrs. A. Spinks, 57 Craigend Rd., Elton Aberdeenshire.

NOVEMBER

3/4th

BUILTH WELLS, (2) Worcester C.C. Details: Hylton Rd., Worcester.

LUDLOW, (3) Birmingham C.C. Details: D. Teague, 4/58 Greenhill Rd., Mosely Birmingham.

MAPLEDURHAM WEIR, (4) Whitmore C.C. Details: P.A. Talbot, 73 The Drive, North Harrow Middx.

IRISH EVENTS

MARCH		•	
10/11th 17/18th	SL. 1/2 SL. 1/2	SL. Comm. CYC	Aughrim Dog's Leap
APRIL 31/1st 7/8th 8th 14/15th 22nd 21st 21/22nd 29th 29th	SL. 1/2 SL. 2/3 LD. (R)* SL. 3 SL. 3 SP LD SL. 3 LD. (R)*	GTCC BCC ECC BRCC LVCC SP.Comm. Inter. SKC OMCC	Sluice — Lucan Shaw's Bridge Barrow Gorey Liffey-Chapelizod Kilcullen Holland Liffey-Newbridge Boyne
6th 12/13th 19/20th 20th 26/27th 26/27th	LD. (R)* SL. 2/3 SP. (Schools) LD. (R)* SP SL. 3	GTCC SL.Comm. SP.Comm. BWCC 	Nore Leixlip — Blackwater Enniskillen Grand Canal
JUNE 2nd 3rd 2nd 7/8th 17th 30th 30th	SL. 3 LD. (R)* SP Europa Cup LD. (R)* SP LD. (R)*	ACK ACK Inter SLCC SLCC ICU	Lee Lee Cork Norway Clane-Leixlip Leixlip Liffey-Descent
JULY 15th 28th	LD. (R)* LD. (R)*	_ CYC	Blessington Lakes
AUGUST 4/5th 12th 19th 26th	LD SL. 3 LD. (R)* SL. 3	Inter. BCBC LCC WWKC	Sella Barrow Limerick Palmerstown
SEPTEMBER 1st 8/9th 15/16th 15/16th 30th	LD. Inter. LD. Marathon SL. 2/3 LD LD. (R)*	LD.Comm. IPM GTCC Inter. AKC	Carrick Liffey Sluice-Lucan Gudena Fermoy
OCTOBER 13th 13th 20/21st	SL. 3 SL. 3 SL. 1/2	BWCC CKC ECC	Blackwater Cork Laragh
NOVEMBER 3/4th 18th 24/25th	SL. 1/2 WW SL. 1/2	BCC AKC WWKC	Tullylish Sullane-Cork Palmerstown
DECEMBER 1st 2nd	ww ww	BWCC BCC	Owenkillew Mourne



SUPA NOVA

The SUPA NOVA — ultimate slalom machine, which though introduced late in 1978 has already made an impact on the competition scene. A low profile kayak with excellent acceleration; bow and stern dipping capability; as well as a controllable underwater profile — strictly for the winning paddler.







The HARRIER — an all purpose kayak that is safe and predictable for the novice and exciting for the experienced paddler. A buoyant craft that has the capacity for inland touring; enjoyable in surf; stable in heavy water; and capable of coastal touring.

The JUNIOR HARRIER — a scaled down version of the Harrier this is the perfect craft for youngsters to learn all the skills, including rolling. It comes with all the accessories that the senior version has, plus a scaled down paddle.



HORNET

The HORNET — a bath bow and stern to avoid learning skills on bath crubber fendering to proceed to the confictions.



The HURRICANE — only an artists' impression of the prototype which has proved itself a high speed, fast manoeuvring surf craft. See the production model on Stand 56 North Halcony.

... your choice of freedoms at ..



The HURON — a 16ft open Canadian tourer that comes in three versions. Firstly the craft for the connoisseur in diagonally laid cold moulded mahogany. This construction gives strong, light, beautiful in appearance craft which will last a lifetime. The second version is in g.r.p. with wood bulkheads, mahogany gunwhale line, mahogany thwarts, the touring paddler who wants camping space; for the wilderness seeker who wants a canoe for everything the Huron the freedom of canoeing excellence

HURON

Victoria Road, South Shields, Tyne & Wear



BAIDARKA EXPLORER

The BAIDARKA EXPLORER — used by two major expeditions this year and innumerable minor ones. Members of the British Alaskan Kayak Expedition and the three man expedition that successfully Circumnavigated Ireland will be them to success. With its antecedents in the skin kayaks of the Arctic and the hunting kayaks of the Bering Sea, the Baidarka Explorer has proven over the years to be the best in sea kayaks.



ct the bath sides and other

HOPIZON The HORIZON prototype touring double. 17ft I.o.a. with watertight stowage compartments, in two versions, open or twin cockpit, cauable of taking a rudder, a swift buoyant craft.

.. STAND 56 North Balcony

(SURF — continued from p29)

26/27th

NORTH WELSH, Details: Dye Cox, Victoria House, Corwers Road, Treuddyn Mold, Clwyd.

JUNE

SE SCOTTISH, Details: John Mould, The Mould, The Shed, Milnefield, Ave., Elgin, Moreyshire.

25/26th

SCOTTISH NATIONALS, Details: John Mould, The Mould, The Shed, Milnefield, Ave., Elgin, Moreyshire.

SEPTEMBER

WELSH NATIONALS, Portheawl, Wales. Details: Dye Cox, Victoria House, Corwers Road, Freuddyn Mold, Clwyd.

ENGLISH NATIONALS, Details: Jim Rule, 11 Hazel Ave., Adand Park, Braunton, N. Devon.

OCTOBER

6/7th

NE ENGLISH, Details: Not available.

CORNISH, Senner Bay, Cornwall. Details: Penzance Canoe Club.

13/14th

RAF OPEN, Croyde Bay, N. Devon. Details: Jim Rule, 11 Hazel Ave., Adand Park, Braunton, N. Devon.

NOVEMBER

11/12th

BRITISH NATIONALS, Details: Jim Rule, 11 Hazel Ave., Adand Park, Braunton, N. Devon.

SLALOM

MARCH

SHEPPERTON, (2) Shepperton SCC. Details: M. Staines, 25 Stewart Ave., Shepperton, Middx.

DUCK MILL, (4) Viking CC. Details: M.J. Charter, 5 Clarendon St., Bedford.

MARPLE, (4/N) Manchester C.C. Details: A. Brooke, 40 The Circuit, Cheadle Hulme, Cheadle, Cheshire.

17/18th

APPLETREEWICK, (2) Leeds C.C. Details: G. Hood, 57 Cliff Rd., Leeds 6. **BEAVER POOL**, (3) N. Wales C.C. Details: B. Hayward, 3 Felin Isa, Llanrwst, Gwynedd.

DEDHAM MILL, (4/N) S.W.S.A. Details: G. Radford, Fryars Cottage, Post Office Row, Buxhall, Stowmarket.

DURNGATE MILL, (N/O), W.S.S.C. Details: The Secretary, W.S.S. Canoe Section, 42 Springvale Rd., Kingsworthy, Winchester.

24/25th

NETHERTON BRIDGE, (2/3) Dundee W.W.C. Details: Miss M. Souter, 76 Forth Cresc., Dundee.

MYRTLE PARK, BINGLEY, (4/N) Bradford & Airedale C.C. Details: P. Gregg, 8 Wesley Rd., Leeds 12.

IRONBRIDGE, (N/O) Telford C.C. Details: Miss T. Mansell, 160 Wenlock Rd., Shrewsbury, Salop.

31st

APRIL

SYMONDS YAT, (2) Gloucester C.C. Details: R. Hughes, Lake Farm, Wyndbrook Lane, Redmarley, Glos.

HAMBLEDON, (3) Eyot B.C. Details: P. Holloway, 111 South View Ave., Caversham, Reading RE4 0BB.

COMRIE, (4/N) (Scottish confirmed) Strathcarn W.W.C. Details: S. Willing, Summerlea, Ferntower Rd., Crieff, Perthshire.

RHEADAR, (4/0) Bath C.C. Details: P. Wood, 7 Sunnybank, Wick, Bristol.

DENHAM LODGE, (N) Whitmore C.C. Details: N.G. Underwood, 202 Kings Rd., Harrow, Middx.

7/8th

FAIRNILEE, (2/3) (Scot. Can.) Edinburgh Univ. C.C. Details: S. Harris, Kirtle House, 8 Minto St., Edinburgh.

SHEPPERTON, (3) Shoppeton S.C.C. Details: G. Thomas, 35 Ashurst Drive, Shennerton Middx

CARLISLE, (4/N) Carlisle C.C. Details: A.J.R. Yates, 48 Eden Park Cresc, Carlisle CA1 2UF

PONTRILAS, (N/O) Wyedean C.C. Details: B.C. Gates, Merryweather Farm, 5 Acres, Nr. Coleford, Glos.

14/15th

GRANDTULLY, (1) S.C.A. Details: G. Cleland, Kelvin Lab, Glasgow Univ., National Engineering Lab., East Kilbride.

21/22nd

HAMBLEDON, (2) Chalfont Park C.C. Details: N. Underwood, 202 Kings Road, Harrow, Middx

PETERBOROUGH, (4/N) Proteus C.C. Details: B. Churchill, 34 Crowson Cresc., Northborough, Peterborough.

KILKEWYDD, (4) Shrewsbury C.C. Details: P.J. Jarret, The Barracks, Cardington, Church Streton, Salop.

PONT-AR-ITHON, (N/O) Birmingham C.C. Details: D. Teague, 4/58 Greenhill Rd., Moseley, Birmingham B13 9SS.

BALA MILL, (1) Midland C.C. Details: J.A. Nelson, 30 Weirfield Rd., Darley Abbey,

LLANDYSUL, (3) Bristol C.C./Bristol Univ. C.C. Details: P. Delaney, 6 Milton Park Rd., Westch-Super-Mare, Avon.

MAY

5/6th

TEITH, (4/N) Heriot-Watt Univ. C.C. Details: McIntosh, Sports Centre, Heriot Watt University, Riccarton, Currie, Midlothian.

CANFORD WEIR, (4) W.S.S.C. Details: The Secretary, WSSC Canoe Section, 42 Springvale Rd., Kingsworthy, Winchester.

STATFORD WEIR, (N) Stratford on
Avon K. Details: A.G. Arrowsmith, 34

Newbold Rd., Wellesbourne, Warwick.

OLD WINDSOR, (2/0) Windsor C.C. Details: Mrs. M. Sibley, 18 Meadow Close, Old Windsor

EASBY ABBEY, (3/4) Manchester C.C. Details: D. Wilbraham, 16 Alt Ave., Maghull, Liverpool.

GLASSHOUSES, (N) Leeds C.C. Details: K. Midgley, 31 Lowther Drive, Swillington, Leeds.

19/20th

TRYWERWYN INTERNATIONAL

WASHBURN, (3) Leeds C.C. Details: M.J. Markham, 22 Wrenbury Cresc., Leeds LS16 7EG.

LENY, (4/N) (Scot Can.) Dundee WWC. Details: Miss M. Soutar, 76 Forth Cresc.,

2/3rd

ELAN VALLEY, (3) Gloucester C.C. Qetails: P. Legate, 23 Morley Ave., Churchdown, Glos.

IRONBRIDGE, (4/N) Telford C.C. Details: D. Chesney, 44 Woodhouse Rd., Wolverhampton.

NEWBURY, (N) Newbury C.C. Details: M. Nebel, Russett Eabes, Stroud Green, Newbury.

9/10th

TRYWERWYN, (1) (Welsh Open) Chester C.C. Details: L. Briggs, 106 Becketts Lane. Chester

ABINGDON WEIR, (N//OT) Kingfisher C.C. Details: Dr. B.M.R. Green, 1 Pond Cottages, Newbury Rd., Chilton, Didcot,

16/17th

LINTON, (3) York C.C. Details: S. Illing, 4 Mill Field Lane, Poppleton.

SHEPPERTON, (N) Shepperton SCC. Details: P. Beadle, 11 Nicolas Walk, Chadwell St. Mary, Near Grays, Essex RM16

STONE, (N/0) Staffs/Stone C.C. Details: R. Baillie, 36 Hartlands Rd., Eccleshall, Stafford ST21 6DW.

23/24th

FINCHALE ABBEY, (4/N/0), Gateshead O.A.C. Details: D. Taylor, 22 Oakfield Rd., Lobley Hill, Gateshead.

WINCHESTER, (N/0) Winchester C.C. Details: F. Constable, 1 Kingsley Place, Stanmore, Winchester, Hants.

JULY 1st

CHESTER WEIR, (4/N) Chester C.C. Details: R. Scholey, 35 Moorside Ave., Parkgate, South Wirrall L64 6QS.

PETERBOROUGH, (4/N) Proteus C.C. Details: B. Churchill, 34 Crowson Cresc.,

Northborough, Peterborough. **PULTENEY WEIR**, (N/O) Bath C.C.

Details: P. Wood, 7 Sunnybank, Wick, Bristol.

7/8th

LINTON, (2) Manchester C.C. Details: I. Beccroft, 6 Ashgate Rd., Broomhill, Sheffield 10.

WASHBURN, (4) Dales C.C. Details: Dr. M. Young, 5 Fortune Hill, Knaresborough HG5 9DG

DARLEY ABBEY, (N/O) Midland C.C. Details: J.A. Nelson, 30 Weirfield Rd., Darley Abbey, Derby.

14/15th

PIPE BRIDGE, (4/N) Sunderland C.C. Details: K. Lambley, 8 Kingarth Ave., Seaburn, Sunderland.

COOKHAM, (N/ /OT) Warren C.C. Details: D.J. Looker, 24 Thames Ave., Pangbourne, Reading.

TIER 3

2nd

POOLE HARBOUR, Details: RMCF, R.M. Poole, Hamworthy, Dorset.

3rd

EXE ESTUARY, Details: The Canoe Centre, Marsh Lane, Crediton, Devon. 3rd

LOCH LUBNAIG, Details: D. Samuel, Auchengillan, Blanefield, Glasgow, G63 9AU.

10th

CALSHOT, Details: G.C. Good, Reona, Church Lane, Fawley, Hants.

YORK, Details: R. Dubber, 39 Thorndale, Hull.

17th

SOAR, Details: K.B. Potts, 6 Brookside Dr., Oadby, Leicester, LE2 4PB 17th

BRIGHTON-HOVE, Details: A. Duncan, 5 Goldstone Road, Hove.

JULY

1st

WOLVERHAMPTON, Details: K. Yates, 24a Orton Lane, Wombourne, Wolverhampton.

TIER 4

1st

MARLOW, Details: S. Taylor, Easter Lodge, Kingswood Road, Penn, High Wycombe, Bucks.

TIER 3

8th

BATH-BRADFORD, Details: P. Sellwood, 90 Shakespear Ave., Bath, Avon.

TIER 4

8th

ARUN (SCOUTS AND GUIDES ONLY), Details: J.S. Nuthall, 8 Burnham Ave., Bognor Regis, PO21 2LB.

TIER 3

21st

K2 MARATHON, Details: Mrs. D. Lawler, 93 Chertsey Lane, Staines, Middlesex.

22nc

EXE CIRCUIT, Details: D.G. Walls, 3 Endfield Close, Exeter, Devon.

28th

K1 MARATHON, Details: B. Greenaway, 214a Battersea Park Road, London.

TIER 4 AUGUST

AUGUS 5th

PLYMOUTH SOUND, Details: B. Smart, 24 Beresford St., Stoke, Plymouth PL2 3AJ.

TIER 3

5th

BECCLES-BUNGAY, Details: T. Epps, 87 The Paddocks, Old Catton, Norwich, Norfolk.

19th

LICHFIELD, Details: Mrs. J. Machin, 21 High Grange, Lichfield, Staffs.

25th/27th

WORCESTER NATIONAL CHAMPIONSHIPS, Details: B.H. Perrett, 39 Hamilton Road, Reading.

PROVISIONAL MARATHON 79/80

SEPTEMBER

1/2nd

TAY MARATHON, Details: A. Morton, 34 Roselea Dr., Brighton, Falkirk FK2 0TJ. 2nd

TEWKESBURY, Details: M. Raybone, 44 Millbrook St., Cheltenham, Glos.

16th

PANGBOURNE, Details: D.J. Looker, 24 Thames Ave., Pangbourne, Berks.

WILLENHALL, Details: J. Price, 124 Gough Street, Willenhall, West Midlands.

WORTHING, Details: N.J. Tricker, 70 West Ave., Worthing BN11 5NA.

30th

WEY, Details: P. Finch, 4 Warwick Lane, St. Johns, Woking, Surrey GU21 1RP

OCTOBER

6th

SHEFFIELD, Details: K. Rooker, Gag Aye, Longnor, Buxton.

7th

LONGRIDGE, Details: Longridge Canoe Club, Quarry Wood Road, Marlow, Bucks. 7th

GARSTANG GUARDIAN, Details: D. Bagot, 87 Dorchester Rd., Garstang, Preston, Lancs. PR3 1EE.

14th

WOLFRETON MARATHON, Details: Mrs. Colbeck, 21 Bellfield Drive, Well Lane, Willerby, Hull.

YARE, Details: Mrs. Cooke, Old Farm House, Rockland St Mary, Norwich. 14th

TONBRIDGE, Details: K. Coleman, 20 Edward St., Southborough, Nr. Tunbridge Wells

21s1

AVON DESCENT, Details: F. Littlehales, 31 Cranwell Close, Chippenham, Wilts.

28th

KENNET, Details: M. Brown, 13 The Pentlands, Kintbury, Newbury, Berks.

NOVEMBER

4th

WYE DESCENT, Details: A.C. Spencer, 63 Three Crosses Road, Ross-on-Wye, Hereford.

11th

CAMBRIDGE, Details: C. Roberts, Downing College, Cambridge CB2 1DQ

18th

EXE DESCENT, Details: M. Carpenter, 27 Lincoln Rd., Exeter, Devon.

FEBRUARY

10th

WATERSIDE A, Details: K. Donkin, 47 Wendan Road, Newbury, Berks,

24th

WATERSIDE B, Details: K. Donkin, 47 Wendan Road, Newbury, Berks.

MARCH

9th

WATERSIDE C, Details: K. Donkin, 47 Wendan Road, Newbury, Berks.

23rd

WATERSIDE D, Details: K. Donkin, 47 Wendan Road, Newbury, Berks.

INTERNATIONAL MARATHON

MARCH

31st

APRIL

1st

OPEN MARATHON, Inverness, Florida, USA. Details: Sperry Redemaker, Rt. 1, Box 415 Floral City, Florida 32636, USA

DEVIZES TO WESTMINSTER RACE, England. Details: F.C. Bartlett, 19
The Chantry, Hillingdon, Middx., England.

22nd

INTERNATIONAL MARATHON, AMsterdam-Nourd. Details: J. Helper, Voorvit Sraat 44, Purmerend, Holland.

MAY

6th

MIDWEST MARATHON, St. Charles, Illinois, USA. Details: American Canoe Association, 260 East Evans Avenue, Denver, Col. USA.

JULY 8th

NOTTEROY RUNDT, Norway. 1st Race for 'Long Distance Grand Prix'. Details: Tor Gervin, Lahelle, 3140 Borgheim, Norway.

21

INTERNATIONAL MARATHON, England. River Thames, Richmond. Details: D. Lawler, 93 Chertsey Lane, Staines, Middx. England.

AUGUST

4th

DESCENT OF THE RIVER SELLA, Spain. 2nd race for 'Long Distance Grand Prix. Details: Espanola de Piraguismo, Miguel Angel 18, Madrid 1, Spain.

SEPTEMBER

4th

RIVER SHANNON MARATHON, Ireland. 3rd race for 'Long Distance Grand Prix'. Details: Ian Maclean, c/c C.A.F., Mullingar, Eire.

15/16

XI TOUR DE GUDENAA, 4th Race for 'Long Distance Grand Prix. Details: 'Tour de Gudenaa', DK-8660 Skanderberg, Denmark.

SURF

APRIL

14/15th MIDLAN

MIDLAND, Porthcawl, Wales. Details: R.W. Twitty, 110 Draycott Road, Draycott, Derby.

??

NE SCOTTISH, Details: John Mould, The Shed, Milnefield Ave., Elgin, Moreyshire.

MAY

12/13th

SERVICES OPEN, Croyde Bay, N. Devon. Details: Dave Young, 28 Meldrocn Court, Temple Hardwylee, Leamington Spa, Warwicks.

FLARE-UP

Report by L. Fairweather RYA/BCU Senior Instructor Photographs by M. Mills BCU Senior Instructor



Para Red launching



Hand Smoke



For some time I have felt the need for some first hand experience of distress signals carried on various trips undertaken by kayak, dinghy and cruiser and of the flares carried during mountaineering activities. The chance to assess their ease of operation and effectiveness was made possible when Pains Wessex/Shermuly sent me a variety of their products, and the local coastguard and police enthusiastically backed the idea of a demonstration.

A number of flares approaching their expiry date and some well beyond it, were added to the selection to make the investigation more realistic. Having publicised the event to minimise undue '999 calls' and to encourage people to attend, we proceeded with the display on August 28th between 1900 and 2100-hours at Walney Island, Cumbria. The visibility was good and the wind WNW 4-5. Some flares were ignited on the beach and others from kayaks just beyond the surf line. The expected and actual burning times are noted opposite, together with a comment regarding effectiveness and any difficulties experiened in handling.

Type of Flare	Expected burning time	Actual burning time	Ease of Operation	Effectiveness	Comment
Pinpoint Red					
170 mm \times 55 mm		00	_	F 11	+1
155g	55s	66s	Easy	Excellent	Tube remained cool enough for an ungloved hand
Pinpoint Red	55s	66s	Easy	Excellent	As above
Pinpoint Red			•		
2 years old	55s	57s	Easy	Excellent	Tube became too hot for an ungloved hand
Pinpoint Red 2 years old	55s	63s	Easy	Excellent	As above
Hand Smoke					
155mm × 40mm					
170g	30s	48s	Poor	Poor	String snapped on igniting, smoke was low density
Hand Smoke					
	30s	240s	Poor	Very Poor	Extremely low density throughout
Para Red Mk 1					
266mm × 46mm 260g	40s	45s	Easy	Good	Ascent - 9s. Burned for 36s in
	400	100	Lusy		the air and 9s on ground. Failed to reach maximum height
Para Red Mk 1					
	40s	45s	Easy	Very good	Ascent 6s. Reached maximum height
Para Red Mk 1	40-	0-	Failure of the		lanitar failed due to VC
3 years old	40s	0s	Failure due to defective ignition		Ignitor failed due to XS corrosion
Day and night Distress Signal					
139mm × 42mm					
228g	Day 18s	26s	Very easy	Good	Tube remained cool enough for
Matararaaf to 20					an ungloved hand
Waterproof to 30 metres	Night 20s	20s	Very easy	Good	
Life Smoke					
160mm × 85mm	180s	210s	Vory opey	Poor	Very low density (thin) smoke.
459g	1005	2108	Very easy	FOOI	Rode 5ft waves without difficult
Life Smoke	1900	900	Very easy	Fair	3 second delay. Reasonable
3 years old	180s	90s	Very easy	rall	density Reasonable
Mini Flares					
4 years old 150mm x 19mm					
× 54mm					
216g	_	0	-	E.O.	A and D and
A B	5s 5s	6s 0s	Easy	Fair	A and D operative
C	5s	0s			
D	5s	6s	Easy	Fair	B C E F inoperative
E F	5s	0s 0s			
2 Star Red	5s	US	.,,.,.	***	
5 years old	10s	17s	Very easy	Good	Second star still burning when
143mm × 26mm 86g	. 50		,,		hit the ground
Para					
Illuminating 266mm × 46mm					
360g	30s	33s	Easy	Poor	Flare curved well to windward
			- ,		Ascent — 5 seconds. Parachute failed. Burned for 12 seconds in

31

Prima Glass Fibre Materials are the only suppliers with a Lloyds and Admiralty approved moulding shop - offering a complete range of materials and tools of top quality to Lloyds and B.S. specifications.

- CANOE MOULD HIRE SERVICE for —
- PGM BAT MK.6 Baths trainer/canoe polo.
- PGM 100 Junior trainer.
 PGM 150 Stalom G/P.
- Full range of materials, tools and construction kits.
- Daily demonstrations in our Adm. Lloyds & D.T.I. works.

Fill in	coup	on '	for 1	ree	broud	hure
Name						
Addre	ess					

PRIMA GLASSFIBRE MATERIALS LTD.,

Platts Eyot, Hampton, Middx. TW12 2HF Tel: 01-979 0164





CANOES AND KAYAKS FOR CHAMPIONS

EUROPE'S MOST SOUGHT AFTER DESIGNS FROM WORLD CHAMPIONS

Klaus LETTMANN and Toni PRIJON

NEW

Lettmann 'HYDRO' Slalom K1 Lettmann 'PRO' Slalom C1

> Prijon White Water K1s:-Interceptor Sprint 3 and 4

NEW SUPPLY OF KOBER PADDLES Now in Stock

Write for details enclosing stamp to:-OFFICE: - 4 ROSE HILL, BRIGHTON, BN2 3FA Telephone: 684599

FACTORY: UNITS 2 & 3 FONTWELL MARINE NEAR ARUNDEL, SUSSEX. Telephone: Slindon 396





A range of canoesport motif car stickers designed and screened by Mike Clark. Printed in various colours on vinyl (to go on inside of car window). Also short-run screening of club designs (min 200). Send details of design required for quote.

riease send me stickers as marked below.	me stickers as marked below	<i>i</i> :
--	-----------------------------	------------

☐ 'GO CANOE' in c	oblong30p ircle30p ong35p
☐ 'C1 PADDLER' in ☐ 'C2 PADDLERS' i	circle
	1981'
'I'd rather be Ka 'I'd rather be SI 'I'd rather be SI 'I'd rather be W	ANOEING'
NAME	
ADDRESS	
I enclose Cheque / Pos	stal Order / International Money Order

of made payable to 'CP Decal Designs'

19 Main Street, Hemington, Derby DE7 2RB.

FLARE-UP

The data is the type of information available from Schermuly concerning their products.

PARA RED MK 1

Description: The Para Red Mk 1 differs in several respects to the Lifechute Mk 7 rocket which it replaces, in that:

1. The trigger lever ignition is simple to use and more positive in operation than the pull-ring ignition of the Lifechute.

2. The 2-second ignition delay has been eliminated to give greater safety in use. Ignition on the Para Red is instantaneous.

Each unit consists of a hand-held launch tube containing the rocket assembly which ejects a parachute-suspended red flare at the apex of its flight.

Applications: Long Range distress signalling. May be carried on the ship's bridge, lifeboat or lifecrafts. Also suitable for pleasure craft operation. The unit has been designed for maximum ease of operation.

1. Remove tape around top end cap.

2. Remove tape and bottom end cap, allowing trigger lever to swing free.

3. Hold signal firmly and press trigger lever against body of signal.

Specification

Performance: Flare ejected at 300m burns for 40 seconds at 30,000 candela. Flare extinguished by 60m.

Dimensions; $266\text{mm} \times 46\text{mm}$ diameter. Weight: 260g.

Explosive content: 143g.

They also provide numerous ancillary products including emergency rations, recommend kits for commercial and pleasure craft and provide a guide to the reguations of the 1960 Solas convention and the Department of Trade.

GENERAL REMARKS

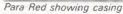
a. All the flares which ignited burned for a longer period than their performance specification, except for the Lifesmoke which was approaching its expiry date. b. Although firm conclusions should not be reached from a 'one off' demonstration like this, we felt the Pinpoint and Para Reds were generally superior, the Life and Hand Smokes inferior, the others somewhere inbetween.

c. The Miniflares and Para Red No. 9 had been subjected to heat, cold and immersion in fresh and salt water on numerous occasions over a period of 3-4 years. The other 'older' flares which did work (2 Star and Pinpoint Reds) had also been on various trips and expeditions, but had been protected using 2" plumbing pipe with a rodding eye for access or sealed in transparent



Selection of flares tested







Pinpont casings

fablon. Obviously protecting the flares and inspecting and maintaining them reguarly increased their life span.

d. Although the Pinpoint Reds rated highly, the fact that the striker had to be removed and could easily be lost overboard before ignition was achieved, filled me with horror. It was a diffiult process igniting this from the kayak as both hands were needed, and when large waves hit the boat one half could easily have been dropped.

e. It was generally thought that there was room for development and improvement, and that although more sophisticated signals would cost more, the public would accept paying for a device which increased their chances of survival.

f. One might assume that the ease of operation and possibly the performance could deteriorate during a real emergency, when the conditions are likely to be much worse than on the night of the demonstration.

g. Contrary to numerous reports, none of the flares had any recoil.

THE IDEAL FLARE

Our ideal flare would be modified Para and Pinpoints, incorporating these features:

1. Be waterproof.

2. Have as few operating instructions as possible, and instructions to be waterproof.

3. Be marked for handling in the dark.

4. Include integral ignition and be easy to operate. (One handed operation would be wonderful!)

5. Produce as high an elevation as is possible, with maximum illuminating power, for as long a period as possible — even if this means a slight increase in size and weight — Para Reds.

 A longer body to the flare (Pinpoint) allowing ignition without getting a burnt hand

7. Must be able to float.

8. Must be luminous or day-glo marked. N.B. The Mars Red and recently advertised Pinpoint Red Mk 6 appear to go a long way towards meeting the above requirements but were not available for test.



Please send me your FREE catalogue of glassfibre touring Canoes — Canadians, Indians, double and single Kayaks: Paddles; British Standards lifejackets; and canoeing accessories.
Name
Address
OTTERSPORTS LTD,
Ash Street, Northampton, England. Telephone: 0604 39161 or 39405



Irish Marathons

Marathon Racing continues to be the most popular of the canoeing disciplines in Ireland. The season extends from April to October with races taking place nearly every week-end. Ten of these races are nominated as ranking events and points are awarded to paddlers on their finishing positions. The best six results from the ranking events count towards Championship. The courses chosen provide varied types of water and degree of difficulty to ensure worthy champions. There are four divisions in these races with 3rd and 4th divisions paddling over shortened courses. Competitors as they win their divisions move up to a higher division. Courses vary in length from 15km to 30km in length and the majority of ranking events incorporate weirs and rapids, as well as portages.

During 1978 Marathon Racing saw a resurgence of interest which was reflected both in the numbers paddling in events and in the standard of racing. Irish paddlers had the opportunity to race in new K1 and K2 kayaks specially designed and built for Marathon Racing by Irish Precision Mouldings, and which proved themselves well during the season.

An early indication of the rising standard was seen in the revived Liffey Marathon held in late April. The race was organised and sponsored by Irish Precision Mouldings. The event is held over two days in stages and takes in the entire length of the River Liffey from its source in Co. Wicklow and ends in Dublin - a distance of approximately 70 miles. This event covers every conceivable type of water as well as a number of very difficult portages. Water is released from hydro-electric dams to provide flood conditions over the entire course. On the second day competitors face the famous Liffey Descent course to provide a true test of man against the elements.

For 1978 the marathon was favoured with good weather on the first day but on the second day it rained non-stop and combined with a cold wind made for a very demanding race. In the K1 event lan Pringle (Salmon Leap CC) showed the form which was to make him the outstanding K1 paddler in Ireland during the season.

Over the first day he was up with the leading K2 crews and built up a good lead. On the second day he maintained his lead to successfully complete the course without mishap to win the event.

Behind him there was tremendous competition with positions changing all the time and it was only over the last stage that many of the final positions were decided. In the K2 event the competition was no less keen with crews battling for the lead throughout the two days. I. Maclean/M. Keating (Salmon Leap CC) despite rudder trouble over the second days racing finally pulled through to win from P. Rowley/A. Higgins also of Salmon Leap CC. The Junior crew of P. O'Malley/A. Skelly (Kings Hospital CC) showed good form to carry them to 1st place in Junior K2.

The Liffey Descent ran into trouble for the second year running as the Electricity Supply Board had to carry out emergency repair work on the dams which release the water to flood the course for the event. The Descent had to be posponed at a late date and it was decided to switch the Irish Open, which the Liffey Descent incorporated, to the River Shannon at Carrick-On-Shannon. This course approximately 27km long is over deep flat water with two compulsory portages. The event attracted teams from England and Holland as well as most of the Irish Marathon racing paddlers. The English paddlers completed a clean sweep of Mens K1, Senior and Junior as well as the Senior K2 events. However they won only after some fine racing and a sprint for the line in every case. Again the racing for the minor placings was intense and the event proved an

tanding success. Best Irish rmance came again from Ian Ie who was beaten into second by N. Robson (England) in the or K1. Howard Watkins (Salmon CC) maintained good form to third. Dutch paddlers K. Brandjes R. Heyselaar finishing 4th and 6th octively. In the Senior K2 M. ener/S. Missen (England) beat I. ean/M. Keating and P. Rowley/A. ns in a tight finish. The Junior K1 won by N. Kemp (England) who 4 seconds to spare over top Junior Ier S. Cassidy (Liffey Valley CC). adies K1 proved a tough race with n. O'Sullivan (Argonauts CC) ing the sprint for the line from Murphy (Grade Ten CC).

e Liffey Descent was eventually run stober and proved an exciting race baddler and spectator alike. Ian le once again showed a clean pair sels to the opposition to win the or K1 class. Frank Lee (Espoir CC) red that he is hard to beat over the of course with a fine 2nd place to off J. Blake (Richmond CC) for spot. The K2 event provided much a when off the start Maclean/- Keating broke a paddle and lost 5 minutes getting a replacement. Leading from the start were Junior crew of O'Malley/Skelly who fought off the field until Wren's Nest Weir when they were caught and passed by Maclean/Keating. The ESB provided the necessary flood conditions and Straffen Weir and Wren's Nest Weir took their usual toll of capsizes.

In the Ranking Championship lan Pringle proved a clear winner with maximum points to take the K1. During the year he was unbeatable on home waters and capped the year with a fine 9th place in the 10,000m at the World Sprint Championships. Howard Watkins had to be content with 2nd place with the very consistant Robin Love 3rd. In the K2 class the Junior crew of O'Malley/Skelly finished a very successful year to take 1st place with Maclean/Keating 2nd and Rowley/-Higgins 3rd. The Ladies Class K1 went to Breda Ryan (Grade Ten CC) with Eileen O'Sullivan (Argonauts CC) second and Carmel Vekins (Limerick CC) third. The Club Championship went once again to the Salmon Leap Club. This year saw the emergence of a new

club, Argonauts CC from Cork who had many good paddlers and who should prove a threat to many of the established clubs in the coming season.

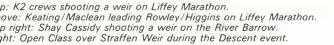
During the year a limited number of paddlers were sent to the Thames Marathon and the Gudena Marathon in Denmark. Participation in foreign events was curtailed due to lack of finance, however a large number of paddlers went to the Spanish series of races with consideable success.

The Irish Canoe Union has been given Europa Cup status for the Irish Open Marathon to be held on the River Shannon at Carrick-On-Shannon on 1st September, 1979. This will provide a welcome opportunity for Irish paddlers to compete against top continental opposition. It is hoped that many nations will send teams to what should prove to be the biggest and best canoeing event to be held in Ireland. The ICU has arranged for sponsorship and plans are well advanced for this event which should attract added importance now that Marathon Racing has gained official approval by the ICF.

Report from Mike Feeney ICU Marathon Racing Committee











BROOKBANK CANOES

CANOES, KAYAKS AND ACCESSORIES

AND NOW INTRODUCING THE LAWRENCE RANGE TO BRITAIN

SLALOM, MARATHON, SPRINT SEA & TOURING

For Details Write:

BROOKBANK CANOES

Shrigley Road South, Higher Poynton, Cheshire Tel: Poynton 4849 DIVERS DO IT DEEPER

SPRINTERS DO IT FASTER

DO IT IN THE SNOW

GLIDERS DO IT QUIETER

SURFERS DO IT STANDING UP

WHEREVER YOU DO IT IT'S SAFER WITH JOHN SEA PAKS



REPAIR PAK SURVIVAL PAK FIRST AID PAK OR EMPTY CONTAINERS



THE 1979 CANOE RACING YEAR BOOK

NOW AVAILABLE FROM

ADMINISTRATOR BCU HQ Addlestone Surrey

JOINT EDITORS

M Haslam CAD Kineton, Leamington Spa, Warcs or
M. Kirschner 34 Upper Regents Pk, Bradford-on-Avon Wilts

CONTAINS:— 1979 programme of marathon races and racing regattas * Race and regatta rules * International programmes and selection policies for 1979 * Promoting and awards * Conditions of entries * The Espada Scheme * Register of competitors, coaches and officials and more * much more *

Published jointly by the BCU Racing and Marathon Racing Committee

60p POST FREE

(to BCU members quote BCU numbers on orders)

NON MEMBERS

UK: 75p inc. P&P OVERSEAS: Europe £1 USA/CANADA £1.25p AIRMAIL: Far East/NZ/Australia £1.50p

Shepperton Design Studios



THERMOPLASTIC KAYAKS

SKUA K1-£105:

TORNADO GP KAYAK-£95: SHARK BAT KAYAK-£50.

WRITE OR TELEPHONE FOR INFORMATION & DEMONSTRATIONS:

SHEPPERTON DESIGN STUDIOS.

76 The Green, Twickenham, Mddx.

Telephone: 01-898 4839 — Works Chertsey 65533

WILDWATER RACING

Under-14 and Under-16 Wild Water Races 1979

This series has been introduced to provide a more reasonable level of competition for young paddlers who wish to try Wild Water Racing. It is a completely separate series from the Division A, B, C events and in NO way is compulsory for all under-16 and under-14 paddlers.

Prizes will be awarded for class winners in each group and points awarded for positions. At the end of the series a ranking list will be compiled using a competitors best three results. In the event of a tie the next best result will be used. It is hoped that competitors will use racing boats although they are NOT compulsory.

To help this scheme develop a mould hire scheme has been introduced by the BCMA — 'The Spector Scheme' — and this would be a suitable method for individuals or groups to obtain a reasonable, cheap racing boat. Details of this scheme are included in this column.

The Calendar for the Under-14 and Under-16 races in 1979 is as follows:—

25th February:

River Goyt, Open event, Div. C Event. Details: Manchester Canoe Club, N. Godfrey, 3 Far Ridings, Romiley, Cheshire SK6 4NN.

3rd March

River Trent, Open Event Div. C Event. Details: Staffs and Stone Canoe Club, A.J. Willet, 7 St. Vincent Road, Walton, Stone.

3rd March

River Washburn, Open Event, R. Wharfe, Open Event, Div. C Event. Details: Leeds Canoe Club, N. Small, Stonehaven, 3 Manor Close, Bramhope, Leeds 16.

11th March

River Nene, Open Event, Div C Event. Details: Ian Freestone, 1268 Watling Street, Towcester, Northamptonshire.

6th/7th April

River Tryweryn, Open Event, Div. A Event. Details: Chester Canoe Club.

5th/6th May

River Tryweryn, Open Event, Div. A Event. Details: Chester Canoe Club, J. Hubbard, 29 Rosslyn Road, Vicars Cross, Chester.

THE SPECTOR SCHEME

A chance to build your own Wild Water K1. This scheme has been devised by the Wild Water Committee, with moulds produced by the BCMA, to encourage more canoeists to Wild Water Racing. This boat can also be used for touring and Class 3 marathon racing.

The kayak is called 'Spector' and is a one-class design, with a junior WWR scheme built-up around it (rather like the Espada Scheme in Sprint) Registration fee to be £5.00 (This will include registration plate).

Mould hire will cost £1.00 per day. A deposit of £30.00 to be paid on mould on

collection and be refunded on return if no damage has been caused. If there are any scratches, chips or shatter marks a set fee will be deducted from the deposit paid. Mould to be returned in polished condition.

A central Registrar (held by Mr. T. Haynes) will have control of moulds and all information on them, regarding cost, hire, availability, and location. The moulds will be situated at: —

T. Haynes, 6 Armour Road, Tilshurst, READING, Berks.

H. Evans, 16 Brookfield, Parbold, WIGAN.

M. Spencer, Old Stanley Colliery, Station Road, West Hallam, ILKESTON, Derby.

D. Taylor, 22 Oakfield, Lobley Hill, GATESHEAD, N11 OAB.

MIKE JONES MEMORIAL FUND

Too late for details to be published was a Canoe Rally to raise money for the Mike Jones Memorial Fund held on the River Dee (Corwen to Llangollen) in North Wales on February 10th/11th. However, details of a raffle in aid of the fund — the draw to be made at the Crystal Palace Canoe Exhibition — were

not too late.

The raffle has been oganised by Peter Midwood. 1st prize is a 'Everest' kayak donated by Cymru Canoes Limited; 2nd prize a 'Orinoco' kayak donated by Pyranha Mouldings Limited; and 3rd prize is a one-week multi-activity holiday donated by PGL Young Adventure Limited. Other prizes will include Prijon Paddles, Lendal Paddles, Everest and Orinoco T-shirts, a set of Expedition Posters, and a copy of Mike Jones' book 'Canoeing Down Everest'.

Draw tickets at 25p each are available from: Peter Midwood, Willows Farm, Barrington, Ludlow, Salop. SY8 2HS.



DEE STUARY

George Langton is 42 years old and came late to canoeing after some 20 years of climbing and walking. It was in 1972, after watching the International Canoe Slalom at Llangollen, that he decided to have a go. Some of his climbing friends were in the Manchester Canoe Club and George soon followed suit, took to slalom competition and reached Division 3 before declaring himself a veteran. He then turned to sea canoeing in frustration at the BCU's attitude over river access, strongly supporting the mass trespass theory (it worked for climbers in the 1930's) and believes this to be the only way the rivers will ever be truly opened up.

DEE ESTUARY Sea Grading 5 - An account by George Langton

Our arrival at Talacre coincided with the end of the rain. The persistant mist was still with us — the chart and compass would obviously be necessary!

The expedition — six assorted sea kayaks and a lone slalom kayak — was to paddle from the 'Point of Ayr' to the Hilbre Islands, and return, across four miles of the mouth of the Dee Estuary. All involved could roll well and were fully equipped with chart, compass, flares, etc. One member even had a marine radio — to pass on our last words!

Never during the trip was visibility to exceed 1½ miles, and the wind, which was WSW light at the start, changed dramatically to WNW Force 5 on leaving for our return.

As we left our steadily widening lagoon an hour before high tide, we were sadly reminded by the sight of a dead seal and her pup, of the current outcry over the Orkney seal cull. Grouping up by a sandspit we set on a bearing of 75°M across an empty sea. After a few minutes of steady paddling the SE Ayr Buoy appeared in the mist—we were on course. The only outward incident was the crossing of some small overfalls about a mile from the islands. Our arrival caused uproar as thousands of sea birds took flight and wheeled raucously overhead.

Lunch was spent in a sheltered nook, watching both men and seals fishing — the latter probably getting the better of the contest. Steadily the shift in the wind was making itself obvious. It was rising and the sky was darkening in the NW — it was time to go.

A quick prayer meeting decided us to return via the smallest island some ¾ mile south and steer a 'dog leg' round a

buoy — aptly named 'Seldom Seen' — and back to Talacre Lighthouse.

Spring tides in the Dee are peculiar, as, whilst covering the flat sands very quickly, they do not produce strong currents. However, in 'wind over tide' conditions, they do produce overfalls on the Welsh side. The area is marked on the chart as the 'Wild Road'!

Paddling in the lee of the reef between the islands, watching the surf on its seaward side, each paddler was lost in private thought. The wind had picked up considerably and would be almost head on for the return. In the lee of the island we regrouped, set compasses to 245°M, and breasted the reef surf to find our turn point buoy.

'Seldom Seen' nearly wasn't! The wind in the ¾ mile paddle had pushed us 200 yards south of track. Now, crossing 'Salisbury Middle Bank' on a dropping tide, the rough water began in earnest! A new course of 270°M to take us back to Talacre was now necessary — but we had problems — a now very heavily confused sea of 6 foot breaking waves . . . We still had 2 miles to go.

Two of the Nordkapps refused to be turned into the wind for the new course, Eddy's radio hatch proved later to be full of water, whereas the slalom kayak preferred to meet the larger waves headon. I watched in amasement once as all 13 foot of the kayak climbed the same wave — we did not need many of them!

The party drifted apart — 4 sea boats on 245°M and the remaining 3 of us on 270°M.

Of the three in our party, John in his Anas Acuta was 150 yards ahead of my Nordkapp, with the other John in his slalom kayak about 20 yards from me. Conditions were obviously ripe for an epic! It was eventually to take us nearly 2 hours to do the remaining 2 miles.

John and I, now apparently alone, slogged on, and there was to be no respite. Talacre Lighthouse, now in sight, seemed never to get any closer. With the increase in wind strength our communications were reduced to whistles. My Nordkapp, loping alongside John's slower slalom boat, gave me no problems — I even found time to enjoy the elemental battle. I can only describe 'Wild Road' as big to huge, but as the lighthouse suddenly got nearer, the conditions eased and we became a party of three again.

We came ashore exactly where we had left nearly 5 hours before, to find it deserted. Elated, but concerned for the others, we scanned the beach — no sign of life! They had in fact come ashore 1½ miles south of us and were to take another half hour to reach us along the waters edge. Only the long carry over a mile of sand back to the cars remained. As a Nordkapp weighs about 70lbs, I decided I would rather paddle one than carry it!

Postscript: The expedition had been a success, no one had capsized, but it had come close to being out of control in the later stages. I seriously doubted the possibility, in the prevailing conditions, of any conventional deep water rescue being successful. The alternatives were a self-rescue by Eskimo Roll, or a long canoeist-swimmer tow to shore. It just shows what can be done when 'committed' . . .!

SPRINT RACING

NOTTINGHAMSHIRE COUNTY COUNCIL INTERNATIONAL REGATTA SUPPORT

(Copy of a letter sent from Mike Halsam, Chairman of the BCU Racing Committee to Mr. H. Taylor, Assistant Director Leisure Services, Nottinghamshire County Council)

Dear Mr. Taylor

GRANT AID TO BCU RACING COMMITTEE

Receipt of a Nottinghamshire County Council cheque for £3,750.00 in respect of Grant Aid towards the International Regatta (£3,000) and the Regatta Officials Courses (£750) is acknowledged.

Please express the deepest thanks of the BCU Racing Committee to your Councils Leisure Committee for this very generous support of our Sport.

Without such support we would be unable to ensure that our International Regatta remains as the 'premier' regatta in the International calendar or to provide an adequate training scheme for the many officials who journey to the National Water Sports Centre to operate the highly sophisticated equipment installed there.

Our appreciation of the aid afforded will be publically acknowledged through Canoeing publications and the local press whilst future information leaflets to overseas Federations will mention the Councils support.

Once again our thanks.

Yours most sincerely, M.J. Haslam,

Chairman, BCU Racing Committee.

Nottinghamshire County Council SUPPORT FOR RACING CANOEING — 1979

The British Canoe Union Racing Committee is pleased to announce that Nottinghamshire County Council have endorsed their continuing support for Racing Canoeing by approving a Cash Grant for 1979 of up to a global maximum of £11,500.

This cash will be directed by the Racing Committee towards five main areas, namely:

1. Providing for new equipment for British National Racing Teams.

2. Sponsorship towards the Nottinghamshire International Canoeing Regatta, held annually in June.

3. Grant Aid towards the running of Regatta Officials Courses and the Officials Secretariat at the National Water Sports Centre.

4. Financial assistance for the East Midlands Regional Training Squad and Centre for Excellence.

5. The major part of the salary of a fulltime Racing Canoeing Coach to be employed by the Racing Committee at the Holme Pierrepont, National Water Sports Centre.

Commenting on this most generous support the Chairman of the BCU Racing Committee, Mr. Mike Haslam said that he was delighted with the total sponsorship package which was the outcome of over two years negotiation with County Council Officers.

He was especially pleased with the proposal for a full-time Racing Coach at Holme Pierrepont, as this appointment would not only greatly assist in the development of Racing Canoeing at a National level but would provide locally a very real service to Schools and Youth Organisation within the Nottinghamshire area.

The Racing Committee will now formally approach the BCU Council to approve the appointment of a Racing Coach at Holme Pierrepont, after which the position will be advertised with a view to effecting the post on or about 1st April 1979. Full details will appear in the National and Canoeing press as soon as they are available.

As regards the kayaks which would be purchased with the equipment grant he concluded by saying that the BCU Racing Committee undertook to release these boats to Nottingham Kayak Club, as their suitability for use at International level diminishes. This will guarantee that local Racing Canoeists will have the use of the very best in Racing equipment available in Britain today.

SPONSORSHIP FOR OLYMPICS

Siebrand-Interwine (UK) Limited pre sented Gordon Richards, MBE with two cheques worth £500.00 each to be used exclusively by Mike Mumford, a pentathlete, and Lucy Perrett, a promising young canoeist. Both are possible candiates for the 1980 Moscow Olympics and the money is to go towards training costs during the period up until then.

Siebrand market wines, spirits and liquers to the grocery trade and are particularly noted for their Advocaat, a warming and nutricious drink.

John Evans, managing director of Siebrand, presented the cheques and commented:

'We realise that costs for training at Olympic level are almost prohibitive which is why we felt we would like to donate some money to give these youngsters the financial support that they deserve. We wish them all success in the future and hope that in the long term our donation will help them to bring back some medals for Great Pritain'



Pictured from left to right: John Evans, managing director, Siebrand. Dusty Miller, Vice-chairman, Siebrand, Lucy Perrett, Gordon Richards, Mike Mumford.

letters

Letters of comment, praise, abuse, or disgust, always welcomed. Address to:- Editor, Canoeing Magazine, The Chapel, 19 main Street, Hemington, Derby DE7 2RB.

CITIZENS BAND RADIO

With reference to the article calling for support for the campaign to establish a Citizens Band wavelength in this country (Canoeing Magazine issue 19). It was mentioned that the Post Office seemed to oppose this because of some desire to protect their own monopoly on telecommunications. This does seem a somewhat short sighted view of the situation that now exists in this country with regard to the allocation of radio frequencies for other than the large radio and TV networks.

In America the CB Band operates at around 27MHz and it is equipment designed for this market that is often found for sale in this country. This is not licensable in this country (all adverts carry on obligatory 'not licensable in UK' note) as this frequency has been allocated for the radio control of models, this being a pursuit for which licenses are available. As modellers tend to pay somewhere around £200 for their basic radio equipment they are rather loathed to be shifted to another frequency so that CB can be legalised in the UK. Their point of view can easily be understood when one considers that there is already available licensable equipment which would suit the purpose of the outdoor pursuits organiser, race organiser and general canoeist, and costs about the same as the equipment the radio control enthusiast has to purchase.

No mention is made of the limited range of most CB equipment, which would make it of little use to any of the people mentioned above unless it was being used as a rather expensive alternative to the use of a communication system using wires such as is used for slaloms. This is not the case with the Home Office approved equipment which tends to have a useful range and gives clear and easy communication. Its only drawback would appear to be its cost, but when one compares this with the price of general canoeing equipment it cannot be viewed as excessivly expensive.

As a final note, I hope you will point out to readers that the operation of 27MHz 'radio telephones' is illegal in this country and could in fact cause considerable injury or damage, as such transmissions can cause model aircraft, boats etc. to go out of control with the possibility of causing a fatality or at the least the destruction of £200 plus of equipment.

Yours sincerely P.J. Lewin

P.S. I suspect that the article you printed was written by a CB campaigner who saw the canoeing angle as a good lever with which to recruit supporters for CB. Hence I would like to point out that I am a canoeist who takes part in most branches of the sport from sea touring through to white water racing...

'GONE AWAY'

I note an article in Canoeing No.22 (February 1979) with some surprise. When the Union left the Brompton Road offices in late May, we contacted the Post Office to re-direct all mail to our new Addlestone address. They said that it was impossible for them to sort out our mail from that of The Sports Council. The Sports Council, therefore, undertook to re-direct all our Brompton Road mail and about twice a week we receive a batch that has been sent on. Did Mr Wood's letter go to Brompton Road, or Park Crescent (which we left in 1972) or even one of our pre/post war Radlett addresses from which some letters are still received. Please note that the Union's new address has been published in Canoe Focus several times since the move.

Yours faithfully

B. James

BCU Administrator (Somewhere in

Surrey)

PS: I have today received the Union's copy of Canoeing Magazine No. 22 redirected from Brompton Road.

(Love all! Ed.)

THAMES WATE

THAMES REPORT

Concern about the effects of various leisure activities on the River Thames environment and the need for a comprehensive assessment and review of policies for recreation and conservation, resulted in the setting up of a Working Party to 'consider the ways in which leisure and conservation policies of the freshwater River Thames riparian Planning Authorities and the Thames Water Authority may be coordinated in respect of proposals affecting the River Thames and to prepare a joint report for consideration by the constituent authorities and other interested parties'.

The report, amounting to some 65 pages of interesting information, was published towards the end of last year. Under the heading 'Canoeing', the Report says:

'Canoeing is a major activity of youth organisations and some school boat clubs. About 20 Scout, Cadet, or youth centres are known to canoe regularly on the river, but it is likely that many more do so on a less regular basis and there may be an equal number of school and Services boat clubs who use canoes. There are about ten other canoe clubs along the Thames, the major centres being in Teddington Reach which has the Royal Canoe Club and the Thames Canoe Club; Hambleden Reach and Reading, where two of the main clubs have recently combined in order to improve facilities and opportunities for members, and Oxford, where the Riverside Canoe Club has 300 members. Canoeists tend to live fairly near to their club centre although a notable exception to this is the membership of Chalfont Park Canoe Club, whose whitewater canoeing at Hambleden Weir attracts a large proportion of members from over 20 miles distant.

Necessary facilities for canoe clubs are a changing area, boat and equipment storage and slipway or landing stage. In the survey several canoe clubs referred to the difficulty of avoiding clashes with anglers'.

Further details of the Report from: Thames Water Authority, New River Head, Rosebery Avenue, London EC1R

THAMES DRIFTWOOD

The Fisheries and Recreation Committee of Thames Water Authority has recommended that the Authority contribute £25,000 in 1979 towards the cost of collecting driftwood from the tidal Thames. The Finance Sub-Committee has endorsed that recommendation.

The recommendation is in response to the Port of London Authority request for a contribution towards this year's driftwood clearance costs budgetted at £150,000. Similar requests for financial assistance have also been made to both the Greater London Council and the London Boroughs Association.

Thames Water itself removes driftwood at its 44 weirs and locks on the freshwater river. Although it is the pollution control body throughout the whole length of the Thames, from source to North Sea, it is not responsible for removing driftwood from the tidal part of the river. Driftwood is a navigation hazard, partiuclarly for small vessels, and is therefore a matter to be dealt with by the PLA, the navigation authority for the tidal reaches.

LAWRENCE RANGE

Whitewater Sports of Woking are now acting as agents in the south of England for the Lawrence range of canoe and kayaks from Ireland. Currently available are the Spectre 200 competition slalom kayak, and for the sprint and marathon paddler there is the Striker, Stinger, and Sprinter K1 and K2 kayaks. The craft are available in glass, diolen and kevlar materials. In addition the sprint and marathon boats are available in sandwich construction.

Manufactured in Ireland, the Lawrence range are currently being very successful in Europe. Their arrival in england will make a welcome addition, particularly to the sprint and marathon racing scene, which is curfrently dominated by a small number of manufacturers. Further details from: Whitewater Sports, 22 Guildford Road, Woking, Surrey. Telephone: 04863 73426.

LUCKY FOR SOME!

On December 13th three High Court Judges unanimously upheld Mechanical Services' appeal against a previous High Court ruling which forced the company

to charge the higher rate of VAT on various components it supplies.

The legal battle between Mechanical Services — who manufacture Indespension Units — and the Customs and Excise begun in 1976 when the company appealed to a VAT Tribunal about the apparent injustice of charging the luxury rate of VAT on such common components as couplings and winches, simply because a small proportion of them were used on boat trailers.

The decision by the Appeal Court in December means that Mechanical Services have now won a major victory for the trailor industry and, as soon as price lists and catalogues can be



adjusted, they will charge the 8% rate of VAT on all their couplings and winches.

However, the Customs and Excise officials have asked for leave to appeal to the House of Lords and it could well be that some time next year this small Bolton firm, who by writing to complain to the VAT Tribunal about the rating on its products, has precipitated a battle which finally will be fought out in the grandeur of the House of Lords.

SWISS ARMY KNIVES

Swiss Cutlery (London) Limited, sole UK Distributors of the world famous Victorinox Swiss Army Knives, which have been invaluable to the conquerors of Annapurna and Everest, announce the introduction of their Safari Series for the British camper and sportsman.

The range comprises six large pocket knives, varying in scope from the single-bladed 'Adventurer' to the multi-purpose 'Hunter' which has eight different blades and functions. Retail prices start from £2.80, exclusive of VAT.

Versatile and robust, the Safari Series fulfills a specific requirement for a strong and practical knife for the expanding leisure market for campers, sportsmen and all outdoor activities. Some 350,000 of the 'Trooper' model have been supplied as standard equipment to the NATO Defence Forces for use on manoeuvres and outdoors. Available from Department Stores, Sports and Camping shops.

CARANOE

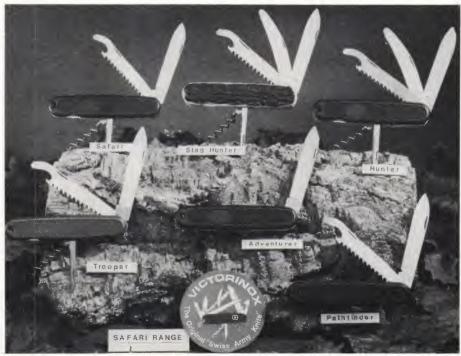
The growing interest in canoeing for the handicapped in Great Britain has spread to other countries, and Hong Kong canoeists have been asking about Valley Canoe Product's 'Caranoe' which has proved such a successful design in this field.

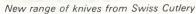
We understand that Oliver Cock had a Caranoe tucked away in his luggage somewhere when he visited Hong Kong recently to talk canoeing. Whether Hong Kong will live up to its reputation and flood the British market with cheap copies remains to be seen.

ON THE BALL

Public reaction to the latest 'W-Four' accessory from G & P Leisure Products is predictable. From any caravanner, small boat sailor, or motorist who has gone red in the face as he struggled to remove a PVC towball cover against the suction within, it will be: 'Why did nobody think of this before?'

The W-Four Cover-up overcomes the suction problem in the simplest way imaginable, by having a built-in air channel so that the cover can be fitted or removed without fuss. In addition, the soft grease-resistant PVC is moulded with a grease reservoir on top of the ball, which gives a shot of lubricant every time it is pressed. Recommended price is 60p including VAT.







PVC towball





New range from Javlin.

French-made ski racks

JAYCEE RANGE

Subsequent to the closure of Jaycee Glassfibre Products of West Norwood, a major portion of the range had been acquired by Whitewater Sports and Northern Kayaks.

Between them, these two firms will now be producing the following Jaycee designs: lowline slalom kayaks — Streaker, Tarn and Rapido; general purpose slalom kayaks — Merano and 400 Super; the Telstar touring kayak and the Voyageur Canadian touring canoe.

In addition, the boats previously produced by both companies will now be available from either source. These include: the Lindisfarne sea kayaks, Corps of Canoe Lifeguard Rescue Kayak, Wombat, Weever, Snipe, Norseman and Ranger kayaks, plus several new models currently under develoment.

The merging of interests will make available one of the largest and most competitively priced ranges of canoes and kayaks in the country. For details contact either: Whitewater Sports, 22 Guildford Road, Woking, Surrey. Telephone: Woking 72426. Or: Northern Kayaks, No. 2 Rothbury Industrial Estate, Northbury, Northumberland. Telephone: Rothbury 20837.

BE WARM AND SMART

Fibre Pile jackets are great — they keep you warm and look smart . . . but only look smart when new. After a short while the material seems to puck. Now Javlin International have introduced the Javlin Super-S - a material which combines lightness of fibre pile with an outer covering of exceptional hard properties, it retains a smart appearance and minimal pilling after substantial wear proven under severe testing to

have greater warmth through a balanced windproofing while retaining a condensation free breathing quality.

Originally made in Jacket style only, a Salopette has now been introduced to the range and this combination is rapidly becoming the first choice of the worlds leading mountaineers and sailors. Details of this and the full Javlin range can be obtained from: Javlin International Limited, Javlin House, Edgedale Road, Sheffield S7 2BQ.

THIEF-PROOF SKI RACK

Skis can be carried on the roof of a car or van without risk of theft, using a new lockable rack introduced by a Brighton firm — it seems the rack might also be used for paddles.

The French-made rack consists of a pair of strong, square-section tubular crossbars, with rubber-faced clamps pivoted like a pair of mediaeval stocks to take any type of snow or water ski. At each end of the cross bars is a lock, protecting both the clamps and the fixing bars, so that it is impossible even to remove the rack complete with its valuable load, without the correct key.

The price is £29.70 including carriage and VAT, from the sole UK agents: Brighton Mail Order, Dept., SR., Tanfield, Guildford Road, Horsham, West Sussex.

SCHLEGEL PADDLE IMPORT

The importer for Schlegel paddles into UK announces that the range of German manufactured paddles designed for use in the most severe conditions imaginable, is to be extended by the addition of a new slalom paddle, the Slalom-L as it will be known.

The Slalom-L is a little lighter than the standard Slalom model and will cost £2 less, retailing at £27.75 excluding VAT. The construction of the Slalom-L is similar to all other Schlegel paddles imported into the UK. The blade has a PU foam core with an outer surface which requires no maintainance. The outer edges of the blade are, of course, protected by a moulded-in aluminium profile.

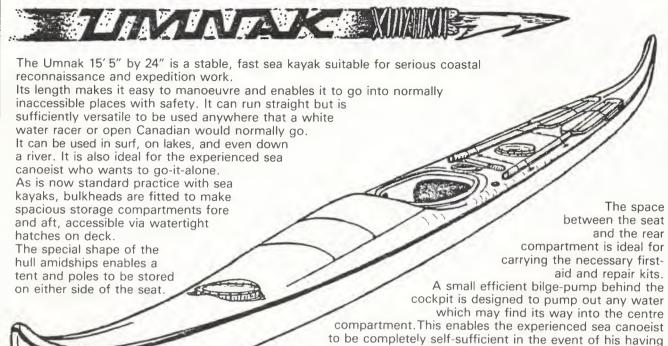
The Schlegel-L is well suited for use on up to Grade 4 water while the standard Slalom blade is intended for use on even heavier water. The first of the latest addition to the Schlegel range of paddles have already reached P & H Fibreglass Products Ltd.

Also new from Schlegel is an English edition of their colourful and well illustrated brochure which will be sent to club secretaries requesting it, upon receipt of a SAE. Import and distribution of Schlegel paddles in UK is by Mike Humphreys of 5108 Monschau, West Germany. Requests for brochure to: Mike Humphreys, 90 Elaine Avenue, Rochester ME2 2YP, Kent.



NEWS AND PREVIEW OF EQUIPMENT AND GEAR

NEW FROM P&H





SPECIAL OFFERS FROM P&H THIS WINTER

POINT FIVE **ALASKA RANGE OF** HOLLOFIL CLOTHING

VFST £14.00 (p&p £1) SUPERVEST £23.00 (p&p £1) **JACKET** 30.00 (p&p £1) PARKA 35.00 (p&p £1)



HANSEN **SPORT** LIFA

UNDERWEAR

Long sleeved top with crewneck £4.00 (p&p 50p)

Long sleeved top with

turitle neck £4.50 (p&p 50p) £4.50 (p&p 50p) Long Johns

POLAR WEAR (Fibre pile)

£14.26 (p&p £1) Polar Jacket Polar Jacket with pockets £16.52 (p&p £1)



INSULATA WEAR (Fibre pile)

Lifting/carrying toggles, and a swing-out fail-safe footrest are fitted as

£11.00 (p&p £1) **Bomber Jackets** Mens Jackets with hoods £12.00 (p&p £1) £11.00 (p&p £1) **Ladies Jackets**

THICK PVC REPAIR TAPE ONLY £2.50 per roll (p&p £1) LOAD CARRYING ROOF RACK STILL ONLY £15.00 inc VAT VAN SIZE £25.00 inv VAT (p&p £2)

Send for Catalogue of our Range



Works:

OLD STANLEY COLLIERY, STATION ROAD, WEST HALLAM. ILKESTON, DERBY.

Telephone: Ilkeston 320155

FOUNDER MEMBER OF THE BRITISH CANOE MANUFACTURERS ASSOCIATION

The space

standard.

to make a deep water re-entry.



Built of tough, durable and lightweight marine aluminium, the Grumman Canoe is the most popular Canoe in the world. And for good reason. Its designed for safe, easy, economical and trouble-free fun on the water. Backed by over 30 years of canoe building experience, and Grumman engineering expertise. There are 17 models to choose from one just for you. All are dependable and quality-built to last for a lifetime.

North America's top selling canoe now available in the U.K. for the first time. Enquiries to importers:

THE CANADIAN-CANOE COMPANY

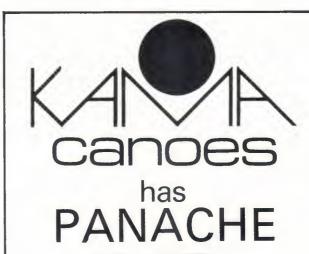
14 SWAN BANK CONGLETON **CHESHIRE**

TELEPHONE: CONGLETON 4162

'Approved by the Canadian-Canoe Association of Great Britain'

STAND 101 (Balcony) CRYSTAL PALACE CANOE EXHIBITION

GRUMMAN BOATS



See it at Crystal Palace or send for details to:-KAMA CANOES, The Old School, Siddick, WORKINGTON, Cumbria. Telephone: Workington 61709

Tomorrow's Slalom Boat Today



FINEST DESIGNS HIGHEST STANDARDS

THE BRITISH CANOE MANUFACTURERS ASSOCIATION

A.C. CANOE PRODUCTS LTD., PO Box 62, Chester, Tel: 0244 311711

ARROWCRAFT MARINE LTD., 19 Lingfield Close, Great Wyrley, Walsall, WS6 6LT. Tel: 092 415045

AVONCRAFT, Burrowfield, Welwyn Garden City, Herts. Tel: 07073 30000

CANOE CENTRE KIRTON KAYAKS LTD., Marsh Lane, Crediton, Devon. Tel: 03632 3295

CYMRU CANOES, St. Hilarys Road, Llandudno. Tel: 0492 77067

HARISHOK LTD., Unit 3, Clarendon Trading Estate, Hyde, Cheshire. Tel: 061 368 9216

CHRIS HAWKESWORTH LTD., Glasshouses Mill, Pateley

Bridge, Harrogate, Yorks. Tel: 0423 711624

HOWARTH SPORTS LTD., 27 Limefield Road, Smithills, Bolton, Lancs. Tel: 0204 382500 KAMA CANOES, The Old School, Siddick, Workington, Cumbria.

Tel: 0900 61709

LENDAL PRODUCTS LTD., 18/20 Boyd Street, Prestwick, Ayrshire. Tel: 0292 78558

McNULTY SEAGLASS LTD., Victoria Road, South Shields, Tyne and Wear. Tel: 0632 563196

P & H FIBREGLASS LTD., Old Stanley Colliery, Station Road, West Hallam, Ilkeston. Tel: 0602 320155

TRYLON LTD., Wolfaston, Wellingborough, Northants. Tel: 093 363 275

VALLEY CANOE PRODUCTS LTD., Private Road 4, Colwick Estate, Nottingham. Tel: 0602 249371

Familiar names that offer you the best in canoes

Write or ring for full details



JOSEPH BANKS

749 KNUTSFORD RD. LATCHFORD VILLAGE WARRINGTON Tel: 0925-31569 After Hours Lymm 3796

WARM WEAR FOR WINTER

North Cape Polar Clothing — Basic Jacket Latok — Zip Front — Pockets & Hood — Red/Navy Orge — Zip Front — Pockets & Patches — Red/Navy	£14.00 £15.00 £17.99
Mitts	£2.99
Socks	£3.99
Helly Hansen – Nylon Covered Polar Mitts	£3.99
Norwegian Thick Woolie Socks £1.99 Lon	g £3.25
Mountain Equipment – Hollowfil & Down	
Fitzroy – Hollowfil Sleeping Bag	£39.90
Green Dragon - Down Sleeping Bag	£51.50
Fitzroy Hollowfil Vest	£19.00
Fitzroy – Hllowfil – Duvet	£36.00
Point Five - Warm Winter Gear	
Hollowfil Vest	£14.00
Duvet	£34.00
Glenmore Jackets Special Price	£35.00
Thermo Jackets – Few Only – Offer	£48.00

Also lots of Waterproofs and Accessories Some Special Offers for Callers Only

ONE ONLY 'CAPE-HORN' NORDKAPP-YELLOW FROM STOCK

SAE PLEASE WITH POSTAL ENQUIRIES

New Ace

Slalom/Competition Paddle

Announcing yet another new paddle from A.C. Čanoe Products (Chester) Limited. The 'Challenger' has been designed and constructed for the serious white water and surf canoeist. All paddles are made from well proven foamed, coupled glass reinforced polypropylene which is hard-wearing resilient, unsinkable and maintenance free. Paddles may be purchased as kits or ready assembled (206-214 cm. l.o.a.) Red blades, Blue tubes special lengths on request. Also manufacturers of Canoe & Water—Skiing crash helmets. Available from leading canoe manufacturers and dealers or direct

A.C. CANOE PRODUCTS (CHESTER)LTD

P.O. Box 62, Chester, England. Tel: (0244) 311711/2



STRE4KER

NEW WINNER TOP SLALOM KAYAK

INCREDIBLE VALUE ONLY £99 INC VAT (WITH DIOLEN HULL)

OTHER JAYCEE DESIGNS NOW AVAILABLE FROM US ARE TARN, RAPIDO. MERANO, 400, TELSTAR & VOYAGER TOP QUALITY TOP VALUE





PLUS

K1 & K2 SPRINT & L.D. RACING KAYAKS. SPECTRE 200 SLALOM

GAYBO, BARON KRAKATOA & NORTHERN KAYAKS FROM STOCK **ECONOMY RANGE OF BOATS** FROM £55

HUGE RANGE OF ACCESSORIES. WET SUITS & SURFBOARDS. CANOE HIRE, PART-EXCHANGE & SECONDHAND CANOES.

SEE US AT CRYSTAL PALACE

WHITEWATER SPORT

22 Guildford Road, Woking, Surrey Telephone: Woking (048 62) 72426 OPEN 9.30 TO 5.30 MON TO SAT (CLOSED WEDS)

from:-

CLASSIFIED

CLASSIFIED ADVERTISEMENTS: Trade Adverts @ 7.5p per word (Minimum £1.50 pre-paid). Non trade Adverts are published free of charge.

CANOES AND KAYAKS

FOR SALE — SNIPE CANADIAN 16-foot open touring canoe in glassfibre. Lockable storage, paddles. As new £120.00 o.n.o. Telephone: Teignmouth 5124.

FOR SALE — GENERAL PURPOSE/Slalom/Club Boat, glassfibre plug in good condition. Offers to: M. Green, 1 Pond Cottages, Chilton, Didcot, Oxon OX11 OPG. Telephone: Abingdon 834283.

FOR SALE — ALLEGRO SLALOM Kayak by The Canoe Centre. Glassfibre. £55.00. Plus Gees paddles at £15.00. Telephone: Kidmore End 3894. (Berkshire).

FOR SALE — PYRANHA VIPER W/W Racer, slightlyy used, but still sound. £35.00 o.n.o. Eddie Palmer, Newcastle upon Tyne. Telephone: 0632-815104. (evenings).

FOR SALE — OTTERSPORTS DOUBLE Touring Kayak in plywood with rudder. £50.00 o.n.o. Contact: M. Woodley, 28 Bramham Road, Biddenham, Bedfordshire. Telephone: Bedford (0234) 67906.

FOR SALE — GAYBO INTERCEPTOR Sprint 3, white water racing kayak. Diolene hull, metallic green and black. Good condition £55.00 o.n.o. Telephone: Leicester 673269.

FOR SALE — SUPER NOVA. A top competition slalom kayak by McNulty Seaglass Ltd. Only five months old and in good condition. Blue. Can deliver in U.K. £85.00 o.n.o. Contact: Dougy Ferguson on Alloa 215334. (Scotland).

FOR SALE — MEISTER 80, diolene hull, 24lbs weight. Metallic orange and brown in good condition — £60.00. Also as new spraydeck to fit — £5.00. Telephone: Leicester 673269.

FOR SALE — CANADIAN CANOE, large clinker-built complete with many extras, £125.00. For further details contact: Mick Josling, Southview, Barnby, Beccles, Suffolk NR34 70B...

FOR SALE — **UK3 CLASS 3** Racer/Tourer. Wood and glassfibre. Excellent condition. Ideal fast touring, with spraydeck and V rack. £50.00 o.n.o. Telephone: Toddington (Beds) 3415.

FOR SALE — BAT MK5, metallic bronze £25.00; Hahn Munich Canadian Slalom with paddle £45.00; Baidarka Sea Kayak £60.00. All in good condition. Contact: M. Butland, 37 North Bridge Street, Sunderland, Tyne & Wear.

FOR SALE — GAYBO OLYMP V slalom kayak, spraydeck and A.C. Challenger paddle £50.00. Also Hartung general purpose and paddle £50.00 — both in excellent condition. Telephone: Bishampton (038-682) 355.

FOR SALE — PANTHER MOULD complete with two decks for Mk.1 and Mk.II. Olympia Mould complete with spare seat mould, £60.00 each o.n.o. Delivery can be arranged at cost. Telephone: Marlborough 52410 evenings. (Will haggle!).

WANT - ADS

WANTED — LOWLINE C1 near new or damaged. Or exchange slalom kayak (approx value £50.00). Contact: C. J. Davies, 11 Tallis Close, Newport, Gwent. Telephone: Newport 275519.

WANTED — SECONDHAND C2, any condition. Preferably slalom type. Details to: J. Jacob, 89 Luton Road, Chatam, Kent. Telephone: Medway 47507.

WANTED — FOLDING CANOE. 'Tyne' or similar, single or double considered. Phone Mr. L. Barretto (evenings and week-ends) London 607 1974 or (week-days) London 730 9633.

WANTED — **CANADIAN TOURER** and paddles, plus self-inflating lifejacket. Telephone: Durham 67189.

WANTED — C1 WHITE WATER RACER, any condition, but must be cheap. Telephone: Northallerton 6350.

EQUIPMENT

PLAIN SAILING — Canoes and equipment, lifejackets, paddles, helmets, etc. Canoes from £62.50 incl. VAT. Plain Sailing, Worcester Road, Kidderminster. Telephone: 0562 2134. Send s.a.e. for leaflet.

SPECIAL DISCOUNTS for B.C.U. Members on canoe paddles, lifejackets, waterproofs, and full range of all popular brands of lightweight camping equipment suitable for the canoe camper. 7-day approval terms on most items. Special department for Clubs, Educational and Export orders. Large mail order department. Send for free Catalogue and Price List to: Field & Trek (Equipment) Ltd., 23/25 King's Road, Brentwood, Essex CM14 4ER. Telephone: Brentwood 2212559/219418 (code 0277).

FOR SALE — SPRAY COVERS for most makes of canoes, made to measure from a paper pattern of the outer rim of your cockpit. £5.80 plus 20p P&P G&J Marine, 30 Dunster Drive, Flixton, Manchester. Telephone: 061 747 6555.

WET SUITS AT REMARKABLE PRICES. MADE OF THE HIGHEST QUALITY. GUARANTEED AGAINST NYLON SEPARATION.

MONEY BACK IF NOT SATISFIED.
MADE IN RUBATEX 3mm NYLON ONE
SIDE, TWO SIDES AND 5mm NYLON.
ALSO 6.25mm NYLON ONE SIDE AND
NYLON TWO SIDES.

Examples.

 Examples.
 £22.50

 Long John 3mm Nylon One Side
 £26.75

 Long John 5mm Nylon Two Sides
 £30.95

 Windsurfer Long John & Bolero Super
 £50.09

 Jacket & Trousers 6.25mm Nylon One Side
 £48.05

 Jacket & Trousers 6.25mm Nylon Two Sides
 £54.05

All prices inclusive of V.A.T. P.&P. £1 extra. As supplied to Education Authorities. Send for full price list to:

INSPORTS 31/39 HIGH BRIDGE, NEWCASTLE ON TYNE, NE1 1ES.

Tel: 610501 (6 lines) ASK FOR MR. ANDERSON.

Agents required for some areas



"MY BIGGEST THRILL WAS A PEDALO, TILL I DISCOVERED STRAND GLASSFIBRE".

"Building one of our kayaks or surfboards is simple and inexpensive.

Simple because, we've Britain's widest range of glassfibre materials and tools plus all the advice you need.

And inexpensive because our prices are very low. That goes for our hired-out moulds, too. If you'd like to know more, phone or write for the address of your local Strand Glassfibre branch."



For making or mending almost anything.
Brentway Trading Estate, Brentford, Middlesex. Telephone: 01-568 7191



THE AMERICAN COMPANY FOR ALL AMERICAN ROUGH WATER CANOE-KAYAK ENTHUSIASTS_

TOP COMPETITION CANOES & KAYAKS FOR SLALOM, DOWN RIVER, & TOURING: PADDLES, LIFE VESTS, CRASH HATS, & ALL ACCESSORIES.

J S 4 & CANADIAN ENQUIRIES ONLY -

SEDA PRODUCTS 'everything for canoeing' P.O. BOX 997, CHULA VISTA, CALIFORNIA 92010, U.S.A. JOEL ENTERPRISES, for canoes, lifejackets, addles, plus all the usual accessories. Send 91/2 p stamp for a copy of our comprehensive catalogue to: Joel Enterprises, Holt Fleet, Worcester

CANOEIST'S BUOYANCY Aid S.B.B.N.F. Approved £9.00: Shipmate Fibre Pile Clothing £10.75: Canoecag with neoprene cuffs 5oz £7.50, 3oz £6.50. S.A.E. for full price lists to: C.I. Equipment, 23 Rectory Close, Marsh Gibbon, Bicester, Oxon OX6 OHT

PADDLES

GEES quality timber paddles for slalom, flat water racing, and kits. Leaflets from: Mark Gees, 19 Coombe Road, Hampton TW12 3PB. Telephone: 01-979 6592.

FILMS

FILMS, POSTERS, SLIDES - for sale and hire. 16mm title include: 'Dutch Kosi — Relentless River of Everest', 'Colorado', etc. Send foolscap s.a.e. to: Chrisfilm (Chris. Hawkesworth Ltd.), The Mill, Glasshouses, Pateley Bridge, Harrogate HG3 5QH.

INSTRUCTORS

SENIOR CANOE INSTRUCTOR required by Perran Sands Adventure Centre for inclusive period 28th April to 30th September 1979, Generous terms are offered to suitably qualified staff. Full details from: C. Wiseman, Perran Sands Holiday Village, Perranporth, Cornwall. Telephone: 087-257 3551.

WANTED FOR SUMMER TERM plus Alpine Canoe Holiday. . . Good canoeist with climbing ability, to work in boarding school as assistant instructor. Bed/Board and very little beer money but plenty of canoeing. Must be experienced driver. Telephone: 06725 2410 (evenings).

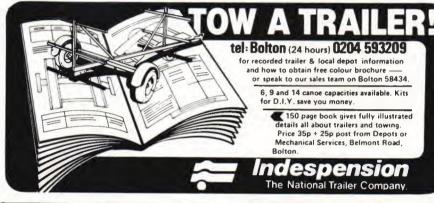
CANOE INSTRUCTORS wanted for working in the South of France on the exciting Ardeche River from April to September, long or short periods. B.C.U. Instructor and/or experience, preferably over 21 years. Further details and application form from: Gill Hinton, P.G.L. Young Adventure, 800 Station Street, Ross-on-Wye HR9 7AH. Telephone: 0989 4212.

BCU SENIOR INSTRUCTOR TRAINING (Inland/Kayak)

White Hall Centre, 6th-8th April, '79. Cost £19.10 (cheaper to Derbyshire residents) Further details from: The Principal,

White Hall Centre, Long Hill Buxton, Derbyshire





Sea Touring

€2.50 (inc P&P) An informative booklet for sea canoeists

Written by John J. Ramwell, B.C.U.Coach Over 100 packed pages on equipment, survival, safety, navigation, the sea, charts, buoyage the weather, expedition planning, use of pool, etc

Available only from: John Ramwell, 32 Glebe Road, West Perry, Huntingdon, Cambs PO18 0DG.



🗟 B.C.U. Insurances

COMPREHENSIVE CANOE INSURANCE SEND S.A.E. FOR PROPOSAL FORM JOAN BAKER 33 Somerset Rd Histon Cambs CB4 4JS Phone Histon (022 023) 2781

FIFE REGIONAL COUNCIL **EDUCATION COMMITTEE**

Argyll, Lochgoilhead, Aldroy Outdoor Centre INSTRUCTOR OF OUTDOOR EDUCATION

Applications are invited for the above post to commence 1st April 1979. The Authority wishes to appoint a teacher who has experience of outdoor pursuits, ie. Canoeing, Climbing, all season Mountain walking, expedition camping and sailing; an interest in Field Study work and/or Art, Photography would be an added recommendation.

Accommodation will be provided on campus.

Salary — at the appropriate placing on the scale £3282/5358 plus £591 responsibility element.

Application forms (returnable by 19th March 1979) and further information from The Warden, Ardroy Outdoor Centre, Lochgoilhead, Argyll. quoting Ref: 2135/CG.

> JAMES M. DUNLOP Chief Executive Officer

P.G.L. **ADVENTURE** HOLIDAYS

Wanted:

Canoeists for Easter, Whitsun and Summer.

Good food, friendly atmosphere and pocket money in return for a couple of weeks work.

Interested?

Phone now for further details Baschurch (0939) 260551/2 (evenings) Bartestree Cross 043 275 9175 623.

or contact: Personnel Officer, 817 Boreatton Park, Baschurch, Shrewsbury, Salop.

ADDITIONAL INSTRUCTIONAL STAFF (male or female)

Are required throughout the year. They must be interested in working with young people of all ages. Sound experience, and preferably a qualification, is required in outdoor pursuits qualification, is required in outdoor pursuits (canoeing, sailing, rock climbing or expedition work), youth and community work, or crafts. Vacancies available from a minimum of one month up to 18 months. Details and application form from: Programme Director, YMCA National Centre Lakeside, Ulverston, Cumbria. Telephone Newby Bridge (04483) 758.

MARCH 1979

HOLIDAYS

ACTIVITY HOLIDAYS at Loch Insh, Kincraig. Introductory to Advanced canoeing holidays on the River Spey offering some of the best teaching water in the country. Accommodation for groups and individuals in bunk rooms with full-catering or self-catering. Also Sport-a-Day Holidays with Canoeing, Sailing, Walking, Cycling and Orienteering, and Great Glen Canoe Camping Expeditions from Fort William to Inverness. Brochure from: Clive Freshwater, Director, Insh Hall, Kincraig, Inverness-shire, Scotland. Telephone: 05404 272.

UNIQUE CANOE EXPEDITIONS on remote river emptying into Hudson Bay. Explore the Canadian wilderness hundreds of miles from roads. Small groups completely outfitted with food, equipment, and experienced leadership. Details from; Canoe North, Box 56, Armstrong, ontario, Canada POT IAO.

CANOE THE FRENCH WAY — 15 day fully inclusive canoeing holiday in sun soaked canyons of the Massif Central, July and August. Basic river skills essential but beginners courses available Spring '79. Details of this and other outdoor courses from: 'Outdoor Sports', 30 Warwick Way, North Anston, Sheffield S31 7EB. Telephone: Dinnington 7561.

ALPINE CANOEING

Courses for only £90 plus travel Full details from our stand at the Canoe Exhibition or Phone

Bowles Outdoor Pursuits Centre Tunbridge Wells (Crowborough 4127)

CANOE TRAINING

Canoe courses are operated on the beautiful River Wye for both adults and/or young people. They range from holiday 'experience' courses, through the Proficiency and Star Test Schemes, to Senior Instructor Training/Assessments. The opportunities are available for both individual and group bookings. Courses may be structured to suit a specific requirement.

EASTER COURSE

A weeks training for over 16's as an introduction to 'white water' and work towards the Proficiency Test.

For further details of these and other courses apply:—

THE MANAGER Bredwardine Lodge, Herefordshire, Tel:— Moccas 216

PONY PACKHORSE TRAIL — seven day camping trail on horseback through Central Wales. Baggage carried by pack-ponies. Brochure: Cadarn Trail Riding Farm, Velindre, Brecon, Powys. Telephone: Glassbury (04974) 327 or 303.

PURPOSEFUL ADVENTURE JOURNEYS — camping trails through Central Wales, on foot with pack-ponies or by Canadian canoe down the River Wye. Brochure: The Welsh Trail Co., Lamb House, Glasbury, Hereford HR3 LH5. Telephone: Glasbury, (04974) 303 or 327.

EXPEDITION — Experienced sea canoeist with Nordkapp seeks expedition to join June/July. Contact: Paul Belcher, Atlantic College, St. Donats, Llantwit Major, South Glamorgan.

CALSHOT ACTIVITIES CENTRE

The Country's largest sea canoeing centre offers the following courses during 1979
Alpine White Water Course (French Alps 29th July — 11th August): Open Canoeing Weekends. BCU Proficiency and Advanced Assessments. Senior Instructor and Coach Assessments. White Water Canoeing. Surfing week and weekends.

For details of thse and other courses write to: THE WARDEN Calshot Activities Centre Calshot Road Calshot, Southampton

HOLIDAYS

SPEY VALLEY canoeing holidays: Bring a car and enjoy go-where-you-please recreational canoeing on best of Highland rivers and lochs. All necessary equipment available on hire: canoes £9 per week incl. Accommodation: gueest-house BB/Dinner at £6.50 per day or parties 4-6 in self-catering chalet.

Send SAE for details to: 'CANOE-HIRES' Locheil, Boat-of-Garten, Inverness-shire 047-983-603

SOUTHERN CANOEING SUPPLIES THERMAL GARMENTS

IDEAL WINTER WEAR FOR ALL CANOEISTS VERY WARM ★ DOES NOT HOLD WATER ★ DRIES QUICKLY

Available in LARGE: MEDIUM, and SMALL

46000 VEST, CREW NECK, LONG SLEEVES, COLOURS, BLUE or WHITE £4.50
46026 VEST, CREW NECK, SHORT SLEEVES, COLOURS, BLUE or WHITE £4.50

46036 VEST, POLO NECK, LONG SLEEVES, COLOURS, BLUE or WHITE £4.50 46005 BREECHES, FULL LEG LENGTH, COLOURS, BLUE only £4.50

Colours subject to availability.

Also available: Paddles — Spraydecks — Buoyancy Aids — Paddle Covers — Boat Covers — Kit Bags — Training Shoes — Energy Drinks

SOUTHERN CANOEING SUPPLIES—PADDLE ACTIVE

All prices include VAT and carriage (UK only) Cheques or postal orders only please Please write for price list enclosing 9p stamp 2 Jugglers Lane, Yatesbury, Calne, Wilts. Tel: Calne 812527

11	NO	
U		
INCORPORATING	CANOEING IN BRITAIN A	ND CANOEING MAGAZINE

Please send me a specimen copy of 'Canoeing' magazine @ 40p Please send me 'Canoeing' magazine for the next twelve issues
commencing with the issue @ £6.00
Overseas rate @ £6.50 per twelve issues. (US \$12.00)

New subscription	Renewal subscription
------------------	----------------------

I enclose Postal Order/Cheque/Money Order/National Currency,
to the value of and made payable to
'Ocean Publications Ltd.'

If	you	have	diff	ficulty	in	obt	ai	ning	a	regu	ılar	supp	ly
of	CA	NOEI	NG	make	su	re o	f	your	C	ору	by	takir	ng
ou	t a	SUBS	CR	PTIO	N								

١	V	4	N	18	Ξ																																	
F	1	O	D	F	31	E	S	S						٠																								
									•	•		•	•	•	٠	•	•	•	•		•	•			•			٠										
																1	Pl	ea	56	? /	e	77	er	nl	e	r	PC	25	ta	10	or	Z	ic) (Cc	od	le	

To the Circulation Department.

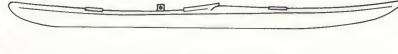
ocean publications

34 Buckingham Palace Road, London SW1W ORE.

THE UNDISFARME VOYAGER



The LINDISFARNE VOYAGER retains the attractive lines of the traditional Sea Kayak. It has been specifically designed for estuary work, coastal touring and is also suitable for open water expeditions.





Length 485cm(16'0") Beam 54cm(1'914")

FOR FURTHER INFORMATION PLEASE CONTACT:



TELEPHONE: ROTHBURY (0669) 20837

QUOTE REF. CM.



CANOES

TOURING, **GENERAL PURPOSE** AND SLALOM KAYAKS INCLUDING THE FAMOUS "EVEREST" and the new

"*EQUIPE '79''*

Also Lifejackets, Spraydecks, Paddles and Helmets

Send SAE for brochure and price list



ST. HILARY'S ROAD. LLANDUDNO, GWYNEDD. Tel: 0492 77067

From: 119 SEAMER ROAD

SCARBOROUGH, NORTH YORKSHIRE

YO12 4EY Tel (0723) 67564. 24 Hr answering service

BAVONGRAFT

Robert Vardy Ltd.,
Britains Finest Kayak
Burrowfield, Welwyn Garden City,
England AL7 4SR

FOR ALL THAT IS BEST IN CANOEING

- ★ The most comprehensive range of top quality GP, Touring, Slalom, Racing and Wild Water kayaks. The finest range of Touring Canoes.
- ★ Paddles, Kayak & Canadian: -- 'Gees' -- 'Kober' --'Lendal'.Paddles and Kits in Wood, glassfibre and ABS.
- ★ Comprehensive range of Canoe Trailers, 'V' Bars, Racks, Lifejackets, Buoyancy Aids, Crash Hats etc.
- Home Building for the amateur. Glassfibre Materials, Moulds, Tools and ancillary equipment.
- ★ We shall be pleased to show you our range at the Crystal Palace Exhibition or at Welwyn Garden City. Please note our new extended showrooms open, 1st March,exhibiting the finest selection of Kayaks and Canoes in the London area, or write or one for information to:—

AVONCRAFT, BURROWFIELD, WELWYN GARDEN CITY, HERTS. Telephone: Welwyn Garden City 30000.

Official Contractors to: — The Ministry of Defence. Suppliers to: — HM Forces, Education Depts., Outdoor Pursuits Centres. Exporters.

NEW-CANDE SHORTIE



NOW WITH ELASTICATED SHOULDERS AND REAR NECK FOR MORE COMFORTABLE FITTING. SHORTER JACKET, HEAVY DUTY ZIP, PLUS RESTYLED NECK AND ARMS.

SEND STAMP FOR LEALET:-



GLASSHOUSES MILL. PATELEY BRIDGE, HARROGATE, YORKS. HG3 5QH. Tel: 0423-711624

A COMPANY IN THE CHRIS HAWKESWORTH GROUP



Through unsurpassed quality and unequalled service, Dee Gee T-Shirts have become established as leading suppliers of specially printed T-Shirts and Sweatshirts to clubs, educational authorities, and Her Majesty's Forces throughout the World.

THE CANOE

18 BEAUCHAMP RD. TWICKENHAM, MIDDX.
18 BEAUCHAMP RD. TWICKENHAMP RD. TW

IF YOU CHOOSE A CANOE CENTRE CRAFT IT SERVES YOU RIGHT

AND WHAT A CHOICE YOU HAVE TO SERVE YOU — OVER 30 MODELS COVERING ALL SECTIONS OF THE SPORT — RACING — L.D. — SLALOM — TOURING — DOWN RIVER — SURFING. CHOOSE WELL — CHOOSE CANOE CENTRE —

All craft are manufactured for the Canoe Centre by Kirton Kayaks Ltd., Crediton, Devon, to top specifications using first class materials in controlled conditions by people who know. Canoe fabrication is something more than having a few square metres of covered space. CANOE CENTRE provides a complete service to the individual, as well as catering for bodies such as M.O.D., Educational Authorities and Outdoor Activity Centres. CANOE CENTRE CARES. Various constructions available including — G.R.P., DIOLEN, (for added toughness), SANDWICH (for great stiffness), KEVLAR (for great toughness and light weight) and a combination of the above as appropriate for particular use. Please contact CANOE CENTRE for information.



