

NEW MEMBERS

The following were elected to Membership of the new incorporated Association by the Board of Directors on 14th December, 1986

ORDINARY MEMBERSHIP

Dr. K. C. Agarwal, MS(Ortho), 139 Manchester Road, Clifton, Swinton, MANCHESTER M27 2PM
 Dr. H. J. N. Bethel, MRCP, MRCGP, Farringdon Hurst, ALTON, Hants. GU34 3DH
 Mr. G. R. Carter, MChS, 5 Pengwern Terrace, WALLASEY, Merseyside L45 1HR
 Mr. J. R. Cossins, BEd, 1A Airedale Avenue, Chiswick, LONDON W4
 Dr. E. C. Collantes, MD, Sultan Qaboos Complex, Bausher, PO Box 6900, Ruwi, Oman
 Miss Kathleen Cracknell, DipPhysio, 11 Queens Gate Place Mews, S. Kensington, LONDON SW5
 Mr. S. J. Day, BSc(Stats), Dept. Clinical Epidemiology, London Hospital Medical College, LONDON E1 1BB
 Prof. I. Macdonald, MD, PhD, DSc, Hillside, Fountain Drive, LONDON SE19 1UP (Joint member)
 Mrs. Jennifer Francis, MCSP, 69 Deakin Leas, TONBRIDGE, Kent TN9 2JT
 Mrs. Vivienne H. Lancey, MCSP, 14 Llyswen Road, Cyncoed, CARDIFF CF2 6NG
 Mr. C. Percival, F.Pod.A., The Surgery, Fountain House, Western Way, EXETER, Devon
 Dr. P. Stevenson, FRCS, MRCGP, Ambrosden Surgery, Ambrosden, BICESTER, Oxon OX6 7BD
 Miss Rosemary Thornhill, MCSP, Malthouse Cottage, Top Street, Northend, LEAMINGTON SPA, Warks. CV33 0TY
 Mrs. Hiliary Turnbull, MCSP, 6 South Lane, Netherton, WAKEFIELD, West Yorks. WF4 4SL
 Dr. Jane Wilcock, 24 East Lynn Drive, Walkden, MANCHESTER M28 5WF
 Dr. P. T. Williams, BUPA Medical Centre, 210 Pentonville Road, LONDON N1 9TA
 Dr. Priscilla Williams, Princess of Wales Hospital, Coity Road, BRIDGEND, Mid-Glamorgan (Joint member)
 Mr. D. W. Wood, MCSP, 85 Epsom Road, GUILDFORD, Surrey GU3 3JR

Proposed by

H. E. Robson
 P. Thomas
 S. Nickson
 H. E. Robson
 D. Chapman
 D. Chapman
 H. E. Robson
 R. Macdonald
 D. Chapman
 M. Bottomley
 R. Ashplant
 H. E. Robson
 D. Chapman
 M. Moore
 H. E. Robson
 D. Chapman
 J. P. R. Williams
 D. Chapman

STUDENT MEMBERSHIP

Mr. J. A. Green, 8 Queensbridge Park, Whitton Drive, ISLEWORTH, Middlesex TW7 7LY
 (Physiotherapy Student, West Middlesex)
 Mr. G. L. Lord, 32 Victoria Place, Stoke, PLYMOUTH, Devon PL2 1BY

T. Watson
 M. Calder

The following were elected by the Board of Directors on 28th January, 1987

ORDINARY MEMBERSHIP

Dr. R. Combe, The Health Centre, 35-37 High Street, Bonnyrigg, MIDLOTHIAN
 Mr. D. G. Downie, MCSP, 9 Craig Road, Cathcart, GLASGOW G44 3DW
 Dr. Alison L. Franks, 8 Middlebank Crescent, DUNDEE DD2 1HY
 Ms. Paula L. Hawtin, BSc, 10 West Newington Place, EDINBURGH EH9 1QT
 Mr. J. D. A. Inglis, FRCS, The Willows, Nolt Loan Road, ARBROTH, Angus
 Dr. P. D. Jackson, 19 Essex Road, Acton, LONDON W3
 Mr. J. Joyce, MCSP, 15 Corran Gardens, Broughty Ferry, DUNDEE DD5 3EH
 Mr. E. Kaczmarczyk, MChS, 147 Alexandra Road South, Chorlton-cum-Hardy, MANCHESTER M21 2RF
 Mr. P. G. Kilvington, BA, MCSP, c/o Physiotherapy Dept., Q.E.M.H., Stadium Road, Woolwich, LONDON SE18 4QH

C. Lutton
 J. MacGregor
 J. MacGregor
 J. MacGregor
 J. MacGregor
 H. E. Robson
 J. MacGregor
 P. Foxcroft
 H. E. Robson

Dear Editor,

HEAT STROKE IN MOTOR CAR RACING DRIVERS

The Grand Prix of Car Prototypes was held on the 3rd of August, 1986 at the Jerez's Speed Way (Spain). The race began at noon when the external temperature at the boxes and runway was 31°C (88°F) and the relative humidity was 53%. The cars were driven by two drivers alternating with the second one driving during the last 75 minutes of the race. Most of the drivers wore light clothes under the overall and an electric device that circulated cold water through tubes situated inside their crash helmets, to be able to endure the high temperature of the closed cockpits of the cars.

At the end of the race (360 km) two British drivers required admission to the Intensive Care Unit of the circuit because of severe symptoms of heat stroke. Both were confused and agitated, their central temperature was 41°C (106°F), systolic blood pressure 60-70 mmHg and heart rate was oscillating between 120-140 beats/min, sinus rhythm. Blood samples showed hypernatremia (153 and 150 mmol/l, respectively) and metabolic acidosis (pH 7.20). With vigorous external cooling using iced water and rapid intravenous infusion of cooled Ringer Lactate, the drivers improved and after 20 minutes their central temperatures fell below 38°C (100°F). They were transferred to a nearby hospital, where subsequent blood analyses showed no

abnormalities in muscle enzyme levels, coagulation tests or renal function.

Recovery was uneventful and they were discharged home the following day.

We would like to alert readers to the risk of thermal stress in motor car prototype racing drivers particularly when the race is performed in places with high temperatures when the closed cockpits can achieve temperatures as high as 75°C (167°F).

The strenuous exercise in long races, lack of acclimatisation and poor heat exchange due to the special clothes that drivers wear, gives rise to the risk of heat related syndromes in these kind of drivers. If the problem occurs it should be treated as rapidly as possible to avoid the serious consequences of heat stroke.

Yours faithfully,

A. JAREÑO
 J. L. DE LA SERNA
 A. CERCAS
 A. LOBATO
 A. UYÁ
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 Hospital of Jerez
 11405 (Cádiz)
 Spain