BRITISH ASSOCIATION OF SPORT AND MEDICINE
NOTICE

Notice is hereby given that the Annual General Meeting of BASM will take place in the Edward Herbert Building (Theatre J.001) of Loughborough University at 11 a.m. on Saturday, 19th April, 1980.

The Human Performance Laboratories will be open, with demonstrations, in the Department of Physical Education and Sports Science from 10 a.m. with coffee at 10.30 a.m.

The Annual General Meeting will be followed by sherry at 12.15 p.m. and the BASM FAREWELL LUNCHEON for LORD PORRITT at 12.45 p.m.

This will be followed by the ADOLPHE ABRAHAMS MEMORIAL LECTURE at 2.30 p.m. and tea at 4 p.m.

No fee is payable by BASM members attending only the business of the AGM.

Annual General Meeting — Agenda
1. Apologies for Absence
2. Minutes of 1979 Annual General Meeting (published 13:3)
3. Matters arising from minutes
4. Amendment to Constitution: Article 30
5. Honorary Treasurer’s Report and Accounts
6. Honorary Secretary’s Report
7. Elections

Proposed Amendment to Constitution

Article 30 Honorary Officers The Executive Committee propose that the words “President Elect” be inserted. This Article would then read: “The Honorary Officers of the Association shall be a President, President Elect, Vice-Presidents, Chairman, Vice-Chairman, Treasurer and Secretary who (subject as by this Article provided) shall be elected in manner prescribed by Articles 50 and 51.”

All Officers retire at the end of this triennium and five Executive Committee vacancies arise.

President The Executive Committee nominates Dr. George Browning to this office in succession to Lord Porritt. The Executive Committee further nominates Dr. J. Raymond Owen to the post of President Elect. Other nominations may be made.

Vice Presidents The Vice Presidents serve automatically until 1981 under the present constitution. Further nominations may be made at any time of members of BASM who have given outstanding service.

Chairman Nominations are invited.

The Executive Committee nominates Mr. Basil Helal, MCh(Orth), FRCS.

Vice Chairman Nominations are invited.

The Executive Committee nominates Surgeon Captain D. E. MacKay, RN, MD.

Honorary Secretary Nominations are invited.

Dr. P. N. Sperryn retires and is eligible for re-election.

Honorary Treasurer Nominations are invited.

Dr. H. E. Robson retires and is eligible for re-election.

Executive Committee

The following members retire and are all eligible for re-election:

Professor P. H. Fentem, Dr. J. A. MacGregor, Mr. D. P. Chapman and Mr. J. P. S. England.

There are FIVE vacancies and nominations are invited.
Nominations for all the above offices are invited. Candidates must be proposed and seconded by full members of BASM and nominations, which must include the written consent of the nominee, must be forwarded to the Honorary Secretary NOT LATER THAN FIRST POST ON MONDAY 17th MARCH, 1980 to enable postal ballots to be conducted as required, before the AGM.

Formal intimations of business for the agenda must be sent to the Honorary Secretary:—
Dr. P. N. Sperryn, 49 Blakes Lane, NEW MALDEN, Surrey KT3 6NS

______________________________

NOTICE

FAREWELL LUNCHEON FOR LORD PORRITT

The Executive Committee has arranged a Farewell Luncheon to honour the retirement of our co-founder and President, Lord Porritt.

This will be held at the end of the Sixth Annual International Course and in conjunction with the 1980 AGM and Adolphe Abrahams Memorial Lecture, in Faraday Hall at the University of Loughborough on SATURDAY 19th APRIL, 1980, at 12.45 p.m., preceded by sherry at 12.15 p.m. Appropriate and distinguished official guests have been invited and it is necessary to limit the overall numbers attending to 150 persons.

Early application is therefore urged for this unique occasion. The fee of £15 includes sherry and wine. Admission will be by Invitation/Ticket and places will be allocated on a first come, first served basis.

Please send applications, WITH CHEQUE to “BASM” for £15, as soon as possible to:—

Dr. H. E. Robson, 39 Linkfield Road, Mountsorrel, LOUGHBOROUGH, Leics.


---

MEETINGS OF OTHER ORGANISATIONS

SYMPOSIUM ON PHYSICAL TRAINING IN HEALTH PROMOTION AND MEDICAL CARE

Kuopio University, and the Finnish Physiological Society and Society for Research in Sport and Physical Education

August 6th – 8th, 1980

Communications are invited for this symposium, designed to bring together both from Finland and other countries results of research on the effects of physical training on common health problems. The programme will consist of invited papers and free communications, and the official language will be English. It is intended to publish the proceedings in book form. The deadline for submission of abstracts is March 31st, 1980, and they should be typed on the appropriate form, obtainable from the organisers. A programme for accompanying guests is arranged. Hotel reservations should be made through the organisers before June 30th.

PARTICIPATION FEE: $100 (or $120 for late applications — after June 30th, 1980)

PROGRAMME:

Wednesday, August 6th

Physiology of physical training. Speakers include Drs. J. Durnin, P. Cerretelli, M. Härkönen and P. Komi.

In the afternoon:

Tests of exertion and training systems; K. Lange Andersen, K. Cooper, D. Kabisch, H. Tiik, and a team from the USSR Research Institute of Physical Culture.

Thursday


In the afternoon:

R. Shepherd, and free communications.

Friday

D. Dorossiev, M. Karvonen, J. Huttunen, I. Vuori, J. Boyer, M. Harri, E. Länsimies, and free communications. The whole day will be devoted to cardiovascular diseases and exercise.

Applications and Enquiries to:

Dr. KATRIINA KUKKONEN,
Dept. of Physiology, University of Kuopio — PO Box 138,
SF — 70101 KUOPIO — 10, Finland

(Notice of this symposium received by BASM — November 16th, 1979)
SPORTS MEDICINE ABSTRACTS

VENERANDO, Antonio
Electrocardiography in sports medicine.
Over the last 30 years, electrocardiography has been used as a diagnostic tool and as a method for studying the heart's adaptivity to exercise. There are several abnormalities found in the athlete's heart. Bradycardia is established as a characteristic of the trained heart. A high QRS complex and intraventricular conduction delay are found in endurance athletes. Other anomalies considered are atrioventricular blocks, repolarisation, paroxystic tachycardia and different forms of extrasystoles. Recommendations for ECG methodology are made as is the point that such readings should not be taken in isolation. There is also a need for dynamic electrocardiography and telecardiography, and for any abnormalities to be clarified by echocardiography.

BRIGGS, C. A. and TELFORD, R. D.
Comparison of submaximal and maximal cardiorespiratory responses utilising air-braked ergometers and a treadmill.
Australian Journal of Sports Medicine, Vol. 11 No. 1, January/March 1979, pp. 5-8. 16 references.
An air-braked arm-leg ergometer, with air vanes on the wheel, was used to compare its mechanical efficiency with a bicycle ergometer and cardiorespiratory responses with a bicycle ergometer and a treadmill. Group A consisted of 8 healthy male students and group B of 5 males, specifically trained in upper body activities. The mechanical efficiency of the arm-leg ergometer was significantly less than the bicycle ergometer though subjects indicated a preference for the former. For Group A, a higher VO₂ max was obtained on the treadmill but for Group B the higher value was from the arm-leg ergometer.

SNOOK, G. A.
Injuries in women's gymnastics; a five-year study.
The American Journal of Sports Medicine, Vol. 7 No. 4, 1979, pp. 242-244. 9 references.
During a five-year study of top-class female gymnasts, 70 participants (one woman for one year) sustained 66 major injuries. The lower extremity attracted 35 injuries, the upper 20 and the trunk 11. 21 injuries were due to stress and 45 to direct trauma. The high level of self-motivation and intense practice at this standard of women's gymnastics makes the sport hazardous. Attention should be paid to protective devices, equipment, conditioning, coaching and early diagnosis of injuries.

LEVINE, J.
Chondromalacia patellae.
The Physician and Sportsmedicine, Vol. 7 No. 8, August 1979, pp. 40-43, 46-49. 16 references.
The articular cartilage of the patella is subject to large forces, especially during flexion. Chondromalacia patellae is due to the muscular imbalance or direct trauma displacing the patella from its femoral groove. Physical findings include valgus knees, external tibial torsion, 'squinting' patellae, patella alta and tenderness of the patella facets. Mild complaints are best treated with aspirin and rest. This can be followed by isometric quadriceps exercise. Braces can be employed for gross instability and the infrapatella strap for patients without serious instability. If medical treatment fails, proximal realignment is proving to be the most successful form of surgery.

WARD, T., GROPEL, J. L. and STONE, M.
Anthropometry and performance in master and first class Olympic weight lifters.
Two groups of first class (N=7) Olympic weight lifters and master (N=3) weight lifters were measured anthropometrically to investigate a possible relationship between body segment proportionality and performance. From the
39 measurements no significant differences were found for height, body weight, centre of gravity location, circumference and lengths. Breadths and depths were greater in the master class, but only significantly so for waist depth. The only conclusion reached was that the better class weight lifters were characterised as being stouter in body type.

SMODLAKA, V. N.
Rehabilitation of injured soccer players.
The Physician and Sportsmedicine, Vol. 7 No. 8, August 1979, pp. 59-61, 64-67.
In a number of surveys soccer was found to be a major source of sports injuries. Therapy begins with first aid. The priority is to prevent the natural defensive reflex immobilisation. If used, medical immobilisation should be brief. Rehabilitation should be carried out under medical supervision and consist of graduated exercises, isometric and then isotonic, with periodic testing of the range of motion, strength and endurance. Prevention of reinjury is a prime consideration.

(Contributed by R. A. Hamilton)

MEETINGS OF OTHER ORGANISATIONS
GALTON FOUNDATION CONFERENCE ON BIOSOCIAL ASPECTS OF SPORT
University College, London, March 26-28th 1980

This Conference is meant to bring together experts in different fields to look at social and scientific aspects of sport in a broad way. There will be five half-day sessions, each dealing with two or three topics. So far as possible each topic will be dealt with by a main speaker and a named discussant and there will be a general discussion at the end of each session. The Conference will be opened at 2.15 pm on Wednesday, March 26th, by Mr Dick Jeeps C.B.E., Chairman of the Sports Council.

26th-pm SESSION 1 — SPORT AND SOCIETY.
Social bonding and violence in sport, the role of the media, women in sport.

27th-am SESSION 2 — SPORT AND HEALTH.
Sport and personality, physical health, mental health.

pm SESSION 3 — FACTORS IN PERFORMANCE.
The biology of aptitude, sex differences in potential, selection and training.

28th-am SESSION 4 — HAZARDS OF SPORT.
Injuries, stresses, drugs.

pm SESSION 5 — THE FUTURE OF SPORT.
Can record breaking continue indefinitely, the changing face of cricket, the international scene.

CHAIRMAN AND SPEAKERS include: Sir Roger Bannister, Dr Joan Bassey, Prof. Arnold Beckett, Mr Christopher Brasher, Mr John Cadman, Dr John Davies, Mr Eric Dunning, Dr Liz Ferris, Mr Kevin Hickey, Dr John Kane, Mr Greg McLatchie, Mr Tom McNab, Mr Cliff Morgan, Miss Olive Newson, Dr Moira O’Brien, Mr Wilf Paish, Mrs Rosemary Payne, Mr Ron Pickering, Dr David Ryde, Dr Peter Sperryn, Dr John Spink, Mr W.L. Steel, Mrs Margaret Talbot, Mr Bruce Tulloh, Mr Allen Wade, Dr James Walvin, Dr Clyde Williams, Dr John G.P. Williams, Mr Ray Williams and Dr Maurice Yaffé.

Admission will be by ticket, obtainable together with programmes and information from:
Conference Organiser,
Professor Sir Alan Parkes
The Bramleys, Shepreth, Royston, Herts SG8 6PY, U.K.
# Bulletin of The British Association of Sport and Medicine

## MEETINGS OF B.A.S.M. AND OTHER ORGANISATIONS: 1980

<table>
<thead>
<tr>
<th>Date</th>
<th>Organisation</th>
<th>Venue</th>
<th>Application &amp; Details</th>
<th>Meals</th>
<th>Accommodation</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fri. 15</td>
<td>Edinburgh Post-Grad. Board of Medicine</td>
<td>Davison Theatre, Lister Institute, Roxburgh Place, Edinburgh</td>
<td>Mr. D. A. D. Macleod, FRCS Edinburgh P. G. Bd., Pfizer Foundation, Hill Square, Edinburgh EH8 9DR</td>
<td>?</td>
<td>No</td>
<td>£10 Sect. 63 &amp; N. England GPs</td>
</tr>
<tr>
<td>Sat. 22-29</td>
<td>Ski World Cup of Medicine and Pharmacy</td>
<td>Garmisch-Partenkirchen, Germany</td>
<td>D. Lecaillon, 3 Impasse de Levant, 51100 REIMS, France</td>
<td>Included</td>
<td>Included</td>
<td>210 DM + Deposit of 150 French Francs</td>
</tr>
<tr>
<td>Wed. 26-28</td>
<td>Galton Foundation Conference</td>
<td>University College London</td>
<td>Professor Sir Alan Parkes The Bramleys, Shepreth, ROYSTON, Herts. SG8 6PY</td>
<td>Not known</td>
<td>Not known</td>
<td>Not known</td>
</tr>
<tr>
<td>Sat. 19</td>
<td>BASM Annual General Meeting &amp; Symposium (BJSM 13:4)</td>
<td>Loughborough University</td>
<td>Dr. P. N. Sperryn, 49 Blakes Lane, NEW MALDEN, Surrey</td>
<td>Included</td>
<td>A few rooms may be available</td>
<td>To be announced</td>
</tr>
<tr>
<td>Wed. 28-29</td>
<td>Hillingdon Athletes Clinic First Annual Seminar</td>
<td>Hillingdon</td>
<td>Dr. P. N. Sperryn, Athletes Clinic, Hillingdon Hospital, UXBIRIDGE, Middlesex</td>
<td>Included</td>
<td>–</td>
<td>£20</td>
</tr>
<tr>
<td>Wed. 4-8</td>
<td>ICSPE Res. Cttee. Women and Sport (Eng. 8 sim. trans.)</td>
<td>Hilton Hotel, Rome</td>
<td>Organizing Cttee. &amp; Sc. Sec't., Piazza Mignalli 4, 00187 ROMA, Italy</td>
<td>Not known</td>
<td>Not known</td>
<td>Not known</td>
</tr>
<tr>
<td>Fri. 4-7</td>
<td>ACPsM Conference</td>
<td>Loughborough University</td>
<td>D. Chapman, White Oaks Clinic, HEATHFIELD, Sussex</td>
<td>Included</td>
<td>Included</td>
<td>Not known</td>
</tr>
<tr>
<td>Sun. 6-8</td>
<td>28th Internat. Cong. Physiol. Sciences (Satellite Symp.) in English</td>
<td>Prague</td>
<td>Prof. Dr. V. Seliger, Ujezd 450, 118-07 PRAHA 1, Czechoslovakia.</td>
<td>Not known</td>
<td>Not known</td>
<td>Not known</td>
</tr>
</tbody>
</table>
MEETINGS OF OTHER ORGANISATIONS

EDINBURGH POST-GRADUATE BOARD FOR MEDICINE
(The University of Edinburgh,
The Royal College of Physicians of Edinburgh,
The Royal College of Surgeons of Edinburgh)

SPORTS MEDICINE CONFERENCE
Friday, 15 February, 1980
Davidson Lecture Theatre, Lister Institute, Roxburgh Place, Edinburgh

PROVISIONAL PROGRAMME

9.00 Registration

SESSION I Chairman: Mr. D. A. D. Macleod

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.30</td>
<td>Welcome</td>
<td>Mr. D. A. D. Macleod</td>
</tr>
<tr>
<td>9.35</td>
<td>Non-Steroidal Anti-Inflammatory Drugs</td>
<td>Mr. D. Bolton</td>
</tr>
<tr>
<td>10.00</td>
<td>Management of Soft Tissue Injuries in Contact Sports</td>
<td>Mr. D. S. Muckle</td>
</tr>
<tr>
<td>10.30</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>10.45</td>
<td>INTERVAL</td>
<td></td>
</tr>
<tr>
<td>11.15</td>
<td>Training, Fitness Programmes and Personality as Related to Injury in Sport</td>
<td>Dr. T. Reilly</td>
</tr>
<tr>
<td>11.45</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>12 noon</td>
<td>Treatment Options in Physiotherapy</td>
<td>Mr. D. McLean</td>
</tr>
<tr>
<td>12.30</td>
<td>Discussion</td>
<td></td>
</tr>
</tbody>
</table>

SESSION II Chairman: Dr. J. C. M. Sharp

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.00</td>
<td>Injuries in Scottish League Rugby</td>
<td>Dr. J. C. M. Sharp</td>
</tr>
<tr>
<td>2.15</td>
<td>Recording of Injuries in French Rugby</td>
<td>Dr. Jean Pene</td>
</tr>
<tr>
<td>2.45</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>2.55</td>
<td>Accidents and Attitudes in the Scottish Hills</td>
<td>Mr. R. Blain</td>
</tr>
<tr>
<td>3.15</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>3.25</td>
<td>Exposure and Immersion Hypothermia</td>
<td>Dr. D. Maclean</td>
</tr>
<tr>
<td>3.45</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>4.00</td>
<td>Mountains and Medicine</td>
<td>Dr. C. Clarke</td>
</tr>
<tr>
<td>4.40</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>4.50</td>
<td>Closing Remarks</td>
<td>Major-General J. M. Matheson</td>
</tr>
<tr>
<td>5.00</td>
<td>Reception</td>
<td></td>
</tr>
</tbody>
</table>

The fee for attendance at the Conference is £10. Cheques should be made payable to University of Edinburgh. Section 63 approval has been granted for general medical practitioners in Scotland and the North of England wishing to attend. Lunch will be provided. Applications should be forwarded to:

DONALD A. D. MACLEOD, FRCS
Assistant Director of Studies (Surgery),
Pfizer Foundation, Hill Square,
Edinburgh EH8 9DR
MEETINGS OF OTHER ORGANISATIONS

FIRST INTERNATIONAL MEDICAL CONGRESS ON WINTER SPORTS FOR THE DISABLED

Friday, 1st February – Friday, 8th February, 1980

This congress, under the auspices of the Norwegian Sports Organisation for the Disabled, will be held at the Ustaoset Mountain Hotel, Geilo, Norway, in association with the Second Olympic Winter Games for the Disabled.

Inclusive Fee: $330 US or 1,600 Kr.

Applications and enquiries to:
Mr. Harald Natvig, Scientific Secretary,
The Norwegian Sport Organisation for the Disabled,
Hauger Skolevei 1, 1351 RUD, Norway

MEETINGS OF OTHER ORGANISATIONS

11th SKI WORLD CUP OF MEDICINE
8th SKI WORLD CUP OF PHARMACY

March 22nd — 29th, 1980

This joint competition is due to take place in Garmisch-Partenkirchen, Germany. Skiing events will take place during the day, and there will be scientific sessions devoted to ski injuries, and the clinical and pharmacological aspects of their therapy; therapeutics of winter sportsmen’s illnesses, sunburn, etc.

Events: Slalom Geant
         Slalom Special
         Ski de Fond

Classes: Women — Below 40 years, 40 and over.
         Men — Below 32, 32-40, 40-50, 50-60, over 60.

Competitors must produce a Medical Certificate of Fitness to Compete (issued by a doctor other than the competitor!), and a Certificate of insurance to cover ski injuries.

Hotel accommodation can be arranged at the stated inclusive prices if applications are received by January 5th, 1980. Later registrations may incur an extra charge.

A deposit must be made when booking accommodation of DM 210 (about £60). The total prices for accommodation is not known but will be inserted in proof if we can obtain this information in time.

Ski lifts etc. DM 100 for the 5 days

Registration: Details of experience and age/sex class, together with 150 French francs, (about £20) should be sent to:

Dominique Lecaillon, 3 Impasse du Levant,
51100 REIMS (RHEIMS), France

No applications will be accepted after March 8th.

Details of accommodation from:
Sportkomitee, Olympia Eisstadion,
8100 Garmisch-Partenkirchen, Germany
MEETINGS OF OTHER ORGANISATIONS

INTERNATIONAL CONGRESS ON "WOMEN AND SPORT"

Research Committee of ICSPE, FIMS, ICHPER, FIEP, IAPESWG, HISPA & AIEISEP

July 4th — 8th, 1980, at the Hilton Hotel, Rome

There are ten sections for this congress, Sports Biology & Biochemistry of Exercise; Physiology, Biomechanics, Kinanthropometry, Psychology, Sports Medicine, Sociology, Methodology of training women, Philosophy, History, Art & Journalism. Anyone wishing to submit a paper should send the title with a short abstract before December 31st, 1979. The official language is English, but there will be simultaneous translation into other languages if the demand justifies it. The Organising Committee and Scientific Secretariat are at:

Piazza Mignanelli 4, 00187 ROMA, Italy

MEETINGS OF OTHER ORGANISATIONS

FIRST ANNOUNCEMENT

SATELLITE SYMPOSIUM OF THE XXVIII INTERNATIONAL CONGRESS OF PHYSIOLOGICAL SCIENCES

METABOLIC AND FUNCTIONAL CHANGES DURING EXERCISE

July 6th — 8th, 1980 — Prague, Czechoslovakia

The main purpose of the symposium is to discuss:

- new methodological approaches;
- tissue metabolic changes induced by increased physical activity, the striated muscle cellular level especially;
- energy expenditure during physical activity and
- functional changes in selected activities.

The Satellite Symposium will be held in Prague, capital of Czechoslovakia. No simultaneous translation will be provided and English is recommended. More detailed information (SECOND ANNOUNCEMENT) will be sent on receipt of the PRELIMINARY REGISTRATION FORM.

The deadline for preliminary registration was October 1st, but as we were not informed until October 10th, please send details giving name, institution, address and active/passive participation.

These should be sent immediately to:

Prof. Dr. V. Seliger, Újezd 450, 118 07 PRAHA 1, Czechoslovakia
Call for Subscriptions 1980

NOTICE IS HEREBY GIVEN that all subscriptions for Membership and other Journal Subscriptions are due on 1st JANUARY, 1980. Payment should be made on receipt of this Notice, and no other invoice should be necessary.

Subscription rates remain the same as for 1977; —

Ordinary Membership £5.00
Affiliated Organisations £8.00 An additional 50 pence should be added to cheques from overseas including Eire NOT drawn in sterling on a U.K. bank
Student Membership £2.00
Retired rate for those no longer in practice, and unable to claim their subscriptions as taxable allowances £3.00

Journal of Sports Medicine and Physical Fitness (BASM members only) £12.50 or $27.00 (including bank charges)

BRITISH JOURNAL OF SPORTS MEDICINE — External “Library” subscribers who are not members of the Association.

United Kingdom £5.00
Overseas $15.00 (including bank charges)

B.A.S.M. Neckties. (Members only) £3.00 (Plus 50 pence for overseas cheques)

ALL THESE SUBSCRIPTIONS (Except Membership Subscriptions for Scottish Area members) should be sent to the Honorary Treasurer:—

Dr. H. E. ROBSON,
39 Linkfield Road,
Mountsorrel,
Nr. LOUGHBOROUGH,
Leicestershire
LE12 7DJ

Tel: Leicester (0533) 303436 — Surgery
(0533) 303971 — Residence.

Scottish Members should pay their membership subscriptions to:

Mrs. Elizabeth Snodgrass,
54 Iain Road,
Bearsden,
GLASGOW.

The preferred method of payment for membership subscriptions is by Bankers Order and forms are available from the Hon. Treasurers.

H. Evans Robson
NEW MEMBERS

The following were elected by the Executive Committee on October 10th, 1979

ORDINARY MEMBERSHIP

Mr. J. Allen, MCSP, 42 London Road, GUILDFORD, Surrey GU1 2AF
Dr. W. D. Ashton, 8 Cliff Road, WILMSLOW, Cheshire SK9 4AA
Dr. R. Backus, 200-1105 Pandora Avenue, VICTORIA, British Columbia, Canada V8V 3P9
Mr. A. P. Barcroft, MChS, 629 Uttoxeter Road, Meir, STOKE ON TRENT, Staffs. ST3 5PZ
Mr. S. J. Bell, MChS, 424 Whitton Avenue East, GREENFORD, Middlesex
Mr. J. P. Bowden, MCSP, 43 Castlefields, Istead Rise, NORTHFLEET, Kent DA13 9EJ
Mr. D. V. Crawshaw, MChS, 48 Lewis Lane, CIRENCESTER, Gloucestershire GL7 1EB
Dr. R. R. Dowling, DSc, FRSM, 94 Sidcup Hill, SIDCUP, Kent
Dr. P. A. Fricker, PO box 64 BELCONNEN, Australia Capital Territories 2616
Mr. B. Francis, MChS, 29 Fyfield Road, ENFIELD, Middlesex
Dr. P. G. Hollywood, FFRACS, 10 Stansgate Avenue, Red Cross Lane, CAMBRIDGE
Mr. G. J. Lemon, FRCS, 17 Whitehaven Road, BRAMHALL, Cheshire
Mrs. Valerie Letheren, MCSP, 21 London Road, HIGH WYCOMBE, Bucks.
Mr. V. Loughlin, FRCS, 31 Katrine Park, BELFAST BT10 6BJ
Dr. D. McKeith, 3F2-408 Morningside Road, EDINBURGH
Dr. R. McKeown, BSc, CEd, 93 Trispen Close, Halewood, LIVERPOOL L26 7YR
Mr. J. R. Matthews, MChS, 230 Grange Road, Grange Park, GUILDFORD, Surrey
Dr. P. J. Maud, PhD, DPE, 1009 Henry Clay Avenue, NEW ORLEANS, Louisiana 70118, USA
Dr. Catherine Moss, The Manor House, Culworth, BANBURY, Oxon OX17 2BB
Dr. J. P. Neylon, MRCGP, Manor House, 1 Walsall Road, WILLENHALL, West Midlands WV13 2EL
Mr. T. H. Sokoloff, DPodM, MSc, 433 Estudillo Avenue (Suite 104), SAN LEANDRO, California, USA
Dr. R. Sutcliffe, 7 Anne’s Court, Southowram, HALIFAX, West Yorkshire HX3 9RS
Mr. B. E. Webster, MCSP, 6 Berkley Crescent, Wake Green Road, BIRMINGHAM B13 9YD
Mr. L. S. Weil, DPodM, 420 Lee Street, DES PLAINES, Illinois 60016, USA
Dr. A. A. Wilson, 30 Burnbank Road, HAMILTON, Lanarkshire ML3 9AM
Mrs. Audrey M. Yorston, MChS, Copperfields, Crawley Ridge, CAMBERLEY, Surrey

Proposed by:
H. Robson
H. Robson
H. Robson
S. Bracey
S. Bracey
A. Constantinides
S. Bracey
H. Baker
G. McLatchie
J. Williams
S. Bracey
S. Bracey
J. Williams
T. Stahl
J. White
B. Risman
H. Robson
J. Williams
S. Bracey
J. Williams
S. Bracey

STUDENT MEMBERSHIP

Mr. J. P. Honeyman, 59 Spottiswoode Street, EDINBURGH EH9
Mr. B. F. Hurley, 3412 Ohio Avenue, TAMPA, Florida 33611, USA

AFFILIATED MEMBERSHIP

Yeovil Post-graduate Physiotherapy Group, District Hospital, Higher Kingston, YEOVIL, Somerset
Representative: Miss Dinah Curtis, MCSP

Proposed by:
D. Williams
H. Robson
J. Ashby

J. Moncur
NEW MEMBERS

The following were elected by the Executive Committee on November 28th, 1979.

ORDINARY MEMBERS

Dr. M. B. Bottomley, The Surgery, Trimperley Street, ELLESMERE, Shropshire, SY12 0DB
Miss Jane Bradshaw, MNZSP, C/o Visitors Mail, New Zealand House, The Haymarket, LONDON
Major P. S. Mohana Chandran, MB, BS, TC26/1716 Trivandrum, KERALA 695001, India
Dr. D. M. Crean, MB, BCh, BAO, 4 Ellerslie Close, HILLHEAD, Hants.
Miss Jill M. Davies, SRCh, 67 Northumberland Avenue, READING, Berkshire
Mrs. Susan Dawson, MCSP, Glen Rowan, Kinnoull Hill Place, PERTH, PH2 7DD
Dr. A. K. De, Unit of Sports Medicine & Pulmonary Physiology, Dept. of Physiology, Inst. of
Medical Sciences, Banaras Hindu University, VARANASI 221005, India
Dr. B. C. Desai, A/3 Shreyus Apartments, Shreyus Hills, Ambuwiedi, Ellis-bridge,
AHMEDBAD 380015, India
Dr. P. R. Downey, Flat 14, St. Mary’s Hospital, Milton Rd., PORTSMOUTH, PO3 6AD
Mr. T. R. Galloway, SRCh, 5 West Bar, BANBURY, Oxfordshire
Dr. A. Ganel, 4 Benyamini Street, TEL AVIV, Israel
Mr. R. A. Hamilton, BSc, ALA, 68 Yew Tree Drive, Bredbury, STOCKPORT, Cheshire SK6 2HJ
Mr. C. Henson, DPE, 2 Salters Close, Werrington, STOKE ON TRENT, ST9 0DB
Dr. B. K. Jha, BSc, MB, BS, Medical Office, Bokaro Steel City, South Bihar Q No-42,
Sector IV Street V, Bokaro Steel City, Bokaro, Bihar, India
Dr. Jiao Juxiang, The Research Institute of Sport Science, Tiyuguan Rd., BEIJUNG,
(PEKING) China
Prof. E. D. Lübs, MD, University of Kassel — Sportmedizin, 3500 KASSEL, Germany
Dr. B. Martin, Bolton General Hospital, Farnworth, BOLTON, Lancs.
Mr. R. D. Martin, MSc, 3902 Madison Street, HYATTSVILLE, Maryland 20781, U.S.A.
Mr. J. Morais, DCR, MRSH, 73 Bloxhome Drive, SINGAPORE 1955
Dr. G. Mori, V. S. d’Orsenigo n18, MILANO, Italy
Dr. P. T. Myint, Dept. of Sports & Physical Education, Aung San Stadium, RANGOON, Burma
Dr. P. S. Ramanath, 2, 1st Cross, Shankaraduram, BANGALORE 4, India
Mr. G. Rishman, BSc, MChS, SRCh, 2 Sellerdale Dr., Westfield Ln., Wyke, BRADFORD, BD12 9DA
Dr. P. K. Roy, 121/6/B Monohor Pukur Rd., CALCUTTA 700026, India
Mr. A. E. Verity, MCSP, 44 Angrave Rd., East Leake, LOUGHBOROUGH, Leicestershire
Dr. J. D. Watts, Whinstone House, DUNDONALD, Ayrshire, KA2 9HE
Dr. V. B. Whittaker, FRCP, DPhyM, 1 Marina Close, EMSWORTH, Hampshire
Dr. M. Zubayer, 72 Minicipal Street, DACCA 1, Bangladesh

STUDENT MEMBERS

Ms. Elaine Beasley, 9 Davie Place, CLEETHORPES, S. Humberside
Miss Averil McClelland, 85 Jordanstown Rd., NEWTOWNABBEY, Co.Antrim
Mr. K. D. McGrath, 2 Weston Road, GUILDFORD, Surrey
Mr. R. Thomas, Flat 206 Block 33, Griffin Close, Bristol Rd., South Northfield, BIRMINGHAM
<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOUBLIN, G.</td>
<td>Body composition of Rugby Union Football players</td>
<td>19</td>
</tr>
<tr>
<td>KLEIN, G.prise</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALLEN, J. F., CAHILL, N. S., O'BRIEN, Moira, RODAHL, A., KNIGHT, D. &amp; DOLPHIN, Ciaran</td>
<td>A pilot study on left ventricular dimensions and wall stress before and after submaximal exercise.</td>
<td>122</td>
</tr>
<tr>
<td>ARROWSMITH, G. Correspondence: International register of research in sport.</td>
<td></td>
<td>137</td>
</tr>
<tr>
<td>BARRY, A. J., MARLEY, W. P. &amp; POSNER, J. D.</td>
<td>Chronic respiratory failure and physical reconditioning — case study of an elderly obese woman.</td>
<td>40</td>
</tr>
<tr>
<td>GATTI, M. C., &amp; PILARDEAU, D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGGRAWAL, N. D., KAUR, Ravinder, KUMAR, S. &amp; MATHUR, D. N.</td>
<td>A study of changes in the spine in weight lifters and other athletes.</td>
<td>58</td>
</tr>
<tr>
<td>BLANKSBY, B. A. &amp; ELLIOTT, B. C.</td>
<td>Optimal stride length considerations for male and female recreational runners.</td>
<td>25</td>
</tr>
<tr>
<td>BURKE, E. J. &amp; ROCKEFELLER, Kathleen</td>
<td>Psycho-physiological analysis of an aerobic dance programme for women.</td>
<td>77</td>
</tr>
<tr>
<td>CAHILL, N. S., O'BRIEN, Moira, RODAHL, A., ALLEN, J. F., KNIGHT, D. &amp; DOLPHIN, Ciaran</td>
<td>A pilot study on left ventricular dimensions and wall stress before and after submaximal exercise.</td>
<td>122</td>
</tr>
<tr>
<td>CAMILLERI, Doreen A. Book Review — &quot;Cinquanta Anni di Attivita&quot; FMSI.</td>
<td></td>
<td>169</td>
</tr>
<tr>
<td>DAVIES, B. &amp; JAKEMAN, P.</td>
<td>The characteristics of a low resistance breathing valve designed for the measurement of high aerobic capacity.</td>
<td>81</td>
</tr>
<tr>
<td>DAVIES, J. E.</td>
<td>Welsh Area Report.</td>
<td></td>
</tr>
<tr>
<td>DAVIES, H. A. &amp; GASS, G. C.</td>
<td>Blood lactate concentrations during incremental work before and after maximum exercise.</td>
<td>165</td>
</tr>
<tr>
<td>DE, A. K., DEBNATH, Prenab &amp; NAGCHAUDHURI, J.</td>
<td>Physical efficiency tests in Indian urban adolescent boys and girls.</td>
<td>66</td>
</tr>
<tr>
<td>DE, A. K.</td>
<td>Some physical efficiency tests on Bengalese goalkeepers.</td>
<td></td>
</tr>
<tr>
<td>DEBNATH, Prenab, DE, A. K. &amp; NAGCHAUDHURI, J.</td>
<td>Physical efficiency tests in Indian urban adolescent boys and girls.</td>
<td>66</td>
</tr>
<tr>
<td>DE OLIVEIRA, P. P. A.</td>
<td>Sporting longevity.</td>
<td></td>
</tr>
<tr>
<td>DOLPHIN, Ciaran, CAHILL, N. S., O'BRIEN, Moira, RODAHL, A., ALLEN, J. F. &amp; KNIGHT, D.</td>
<td>A pilot study on left ventricular dimensions and wall stress before and after submaximal exercise.</td>
<td>122</td>
</tr>
<tr>
<td>DYON, M., NIINIMAA, V. &amp; SHEPHARD, R. J.</td>
<td>Determination of performance and mechanical efficiency in nordic skiing.</td>
<td>62</td>
</tr>
<tr>
<td>ELLIOTT, B. C. &amp; BLANKSBY, B. A.</td>
<td>Optimal stride length considerations for male and female recreational runners.</td>
<td>15</td>
</tr>
<tr>
<td>ELLIOTT, Phyllis</td>
<td>Report: Yorkshire Area BASM.</td>
<td></td>
</tr>
<tr>
<td>FRICKER, P. A. &amp; WILLIAMS, J. G. P.</td>
<td>Surgical management of os trigonum and talar spur in sportsmen.</td>
<td>55</td>
</tr>
<tr>
<td>GARNIER, M., PILARDEAU, P., VAYSSE, J., JOUBLIN, M. &amp; VALERI, L.</td>
<td>Secretion of eccrine sweat glands during exercise.</td>
<td>118</td>
</tr>
<tr>
<td>GASS, G. C. &amp; DAVIS, H. A.</td>
<td>Blood lactate concentrations during incremental work before and after maximum exercise.</td>
<td>165</td>
</tr>
<tr>
<td>GATTI, C. J., YOUNG, R. J. &amp; GLAD, H. L.</td>
<td>Effect of water-training in the maintenance of cardiorespiratory endurance of athletes.</td>
<td>161</td>
</tr>
<tr>
<td>GIBSON, T. M., HARRISON, M. H. &amp; WELLCOMBE, R. M.</td>
<td>An evaluation of a treadmill work test.</td>
<td>6</td>
</tr>
<tr>
<td>GLAD, H. L., GATTI, C. J. &amp; YOUNG, R. J.</td>
<td>Effect of water-training in the maintenance of cardiorespiratory endurance of athletes.</td>
<td>161</td>
</tr>
<tr>
<td>HARRISON, M. H., GIBSON, T. M. &amp; WELLCOMBE, R. H.</td>
<td>An evaluation of a treadmill work test.</td>
<td>6</td>
</tr>
<tr>
<td>HENSLEY, L. D. &amp; PAUP, D. C.</td>
<td>A survey of badminton injuries.</td>
<td></td>
</tr>
<tr>
<td>HOPKINS, J., REILLY, T. &amp; HOWLETT, N.</td>
<td>Fitness test profiles and training intensities in skilled race-walkers.</td>
<td>70</td>
</tr>
<tr>
<td>HOWLETT, N., REILLY, T. &amp; HOPKINS, J.</td>
<td>Fitness test profiles and training intensities in skilled race-walkers.</td>
<td>70</td>
</tr>
<tr>
<td>JAKEMAN, P. &amp; DAVIES, B.</td>
<td>The characteristics of a low resistance breathing valve designed for the measurement of high aerobic capacity.</td>
<td>81</td>
</tr>
<tr>
<td>JOUBLIN, M., PILARDEAU, P., VAYSSE, J., GARNIER, M. &amp; VALERI, L.</td>
<td>Secretion of eccrine sweat glands during exercise.</td>
<td>118</td>
</tr>
<tr>
<td>KAUR, Ravinder, AGGRAWAL, N. D., KUMAR, S. &amp; MATHUR, D. N.</td>
<td>A study of changes in the spine in weight-lifters and other athletes.</td>
<td>58</td>
</tr>
<tr>
<td>KANSAL, D. K., VERMA, S. K. &amp; SIDHU, L. S.</td>
<td>A study of maximum oxygen uptake and heart rate during work and recovery as measured on cycle ergometer on national Indian sportsmen.</td>
<td>24</td>
</tr>
<tr>
<td>KANSAL, D. K., VERMA, S. K. &amp; SIDHU, L. S.</td>
<td>Aerobic work capacity in young sedentary men and active athletes in India.</td>
<td>98</td>
</tr>
<tr>
<td>KAUR, Ravinder, AGGRAWAL, N. D., KUMAR, S. &amp; MATHUR, D. N.</td>
<td>A study of changes in the spine in weight-lifters and other athletes.</td>
<td>58</td>
</tr>
</tbody>
</table>
KNI GT, D., CAI L, N. S., O'BRIEN, Moira, RODAHL, A., ALLEN, J. F. & DOLPHIN, Ciaran A pilot study on left ventricular dimensions and wall stress before and after submaximal exercise. 122 3
KUMAR, S., AGRAWAL, N. D., KAUR, Ravinder & MATHUR, D. N. A study of changes in the spine in weight-lifters and other athletes. 58 2
LUTTON, C. C. "Challenge" — to NHS and Health Professions. 135 3
McINTOSH, P. C. Book Review: Ethical decisions in physical education and sport — Edward J. Shea. 44 1
McLATCHIE, G. R. Equestrian injuries — a one-year prospective study. 29 1
McLATCHIE, G. R. Recommendations for medical officers attending karate competitions. 36 1
McLATCHIE, G. R., MILLER, J. H. & MORRIS, E. W. Combined force injury of the elbow joint — the mechanism clarified. 176 4
MARLEY, W. P., BARRY, A. J. & POSNER, J. D. Chronic respiratory failure and physical reconditioning — case study of an elderly obese woman. 40 1
MATHUR, D. N., AGRAWAL, N. D., KAUR, Ravinder & KUMAR, S. A study of changes in the spine in weight-lifters and other athletes. 58 2
MILLER, J. H., McLATCHIE, G. R. & MORRIS, E. W. Combined force injury of the elbow joint — the mechanism clarified. 176 4
MONCUR, J. A. Report: Scottish Area BASM. 145 3
MORRIS, E. W., McLATCHIE, G. R. & MILLER, J. H. Combined force injury of the elbow joint — the mechanism clarified. 176 4
MYLES, W. S. The energy cost of an 80 km run. 12 1
NA CCHAUDHURI, J., DE, A. K. & DEBNATH, M., ROAAS, & Valer i, L. Physical efficiency tests in Indian urban adolescent boys and girls. 66 2
NII NIMAA, V., SHEPHARD, R. J. & DYON, M. Determination of performance and mechanical efficiency in nordic skiing. 62 2
NILSSON, S. & ROAAS, A. I. Major injuries in Norwegian football. 3 1
NOBLE, C. A. The treatment of ilio-tibial band friction syndrome. 51 2
O'BRIEN, Moira Book Review — Posture — Robert Roaf. 45 1
O'BRIEN, Moira, CAHILL, N. S., RODAHL, A., ALLEN, J. F., KNIGHT, D. & DOLPHIN, Ciaran A pilot study on left ventricular dimensions and wall stress before and after submaximal exercise. 122 3
ORAVA, S. & PURANEN, J. Athletes' leg pains. 92 3
PAC-POMARNACKI, A. Correspondence — The BASM'S Silver Jubilee. 80 2
PAUP, D. C. & HENSLEY, L. D. A survey of badminton injuries. 156 4
PILARDEAU, P., VAYSSE, J., GARNIER, M., JOUBLIN, M. & VALERI, L. Secretion of eccrine sweat glands during exercise. 118 3
POSNER, J. D., MARLEY, W. P. & BARRY, A. J. Chronic respiratory failure and physical reconditioning — case study of an elderly obese woman. 40 1
PURANEN, J. & ORAVA, S. Athletes' leg pains. 92 3
REILLY, T., HOPKINS, J. & HOWLETT, N. Fitness test profiles and training intensities in skilled race-walkers. 70 2
REILLY, T. & THOMAS V. Fitness assessment of English League soccer players through the competitive season. 103 3
ROAAS, A. I. & NILSSON, S. Major injuries in Norwegian football. 3 1
ROBSON, H. E. Obituary — Dr. P. J. Burrows. 23 1
ROBSON, H. E. Obituary — Dr. W. L. Neustatter. 121 3
ROBSON, H. E. Honorary Treasurer's Report for 1978. 144 3
ROBSON, H. E. Book Review — "Towards an understanding of human performance" — Ed. E. J. Burke. 54 2
ROBSON, H. E. Book Review — "The role of exercise in internal medicine" — Eds. D. Brunner & E. Jokl. 61 2
ROBSON, H. E. Book Review — "Runner's Index", "Physical Education Index", "Physical Education/Sports Index". 133 3
ROBSON, H. E. Editorial. 1 2
ROBSON, H. E. Editorial. 50 2
ROBSON, H. E. Editorial. 90 3
ROBSON, H. E. Editorial. 154 4
ROBSON, S. Elizabeth E. Some factors in the prevention of equestrian injuries. 33 1
RO KFE FELLER, Kathleen, BURKE, E. J. Psycho-physiological analysis of an aerobic dance programme for women. 77 2
RODAHL, A., CAHILL, N. S., O'BRIEN, Moira, ALLEN, J. F., KNIGHT, D. & DOLPHIN, Ciaran A pilot study on left ventricular dimensions and wall stress before and after submaximal exercise. 122 3
ROWE, P. H. Case Report: Colles' fracture due to weight lifting. 130 3
SHEPHARD, R. J., NII NIMAA, V. & DYON, M. Determinations of performance and mechanical efficiency in nordic skiing. 62 2
SHERWIN, K. Performance of a constant-torque pedal device.

SIDHU, L. S., VERMA, S. K. & KANSAL, D. K. A study of maximum oxygen uptake and heart rate during work and recovery as measured on cycle ergometer on national Indian sportsmen.

SIDHU, L. S., VERMA, S. K. AND KANSAL, D. K. Aerobic work capacity in young sedentary men and active athletes in India.

SPERRYN, P. N. The Secretary's Column.

SPERRYN, P. N. The Hon. Secretary's Report.

STODELL, M. A. Joint rupture following internal derangement of the knee.

THOMAS, V. & REILLY, T. Fitness assessment of English League soccer players through the competitive season.

TUBBS, N. One day Sports Injuries Course — Institute of Accident Surgery.


VERMA, S. K., SIDHU, L. S. & KANSAL, D. K. A study of maximum oxygen uptake and heart rate during work and recovery as measured on cycle ergometer on national Indian sportsmen.

VERMA, S. K., SIDHU, L. S. & KANSAL, D. K. Aerobic work capacity in young sedentary men and active athletes in India.


WILLIAMS, J. G. P. & FRICKER, P. A. Surgical management of os trigonum and talar spur in sportsmen.


WILLIAMS, J. G. P. “Riposte” to “Riposte”.

WILLIAMS, J. G. P. Obituary — Dr. P. J. R. Nicholls.

YOUNG, R. J. The effect of regular exercise on cognitive functioning and personality.

YOUNG, R. J., GATTI, C. J. & GLAD, H. L. Effect of water training in the maintenance of cardio-respiratory endurance of athletes.
**ORIGINAL ARTICLES**

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major injuries in Norwegian football. A. I. ROAAS and S. NILSSON</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>An evaluation of a treadmill work test. T. M. GIBSON, M. H. HARRISON and R. M. WELLCOMBE</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>The energy cost of an 80 kilometre run. W. S. MYLES</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>Optimal stride length considerations for male and female recreational runners. B. A. BLANKSBY and B. C. ELLIOTT</td>
<td>15</td>
<td>1</td>
</tr>
<tr>
<td>Body composition of Rugby Union Football players. W. BELL</td>
<td>19</td>
<td>1</td>
</tr>
<tr>
<td>A study of maximum oxygen uptake and heart rate during work and recovery as measured on cycle ergometer on national Indian sportsmen. S. K. VERMA, L. S. SIDHU and D. K. KANSAL</td>
<td>24</td>
<td>1</td>
</tr>
<tr>
<td>Equestrian injuries — a one year prospective study. G. R. McLATCHIE</td>
<td>29</td>
<td>1</td>
</tr>
<tr>
<td>The treatment of iliotibial band friction syndrome. C. A. NOBLE</td>
<td>51</td>
<td>2</td>
</tr>
<tr>
<td>Surgical management of os trigonum and talar spur in sportsmen. P. A. FRICKER and J. G. P. WILLIAMS</td>
<td>55</td>
<td>2</td>
</tr>
<tr>
<td>A study of changes in the spine in weight lifters and other athletes. N. D. AGGRAWAL, Ravinder KAUR, S. KUMAR and D. N. MATHUR</td>
<td>58</td>
<td>2</td>
</tr>
<tr>
<td>Determinations of performance and mechanical efficiency in nordic skiing. R. J. SHEPHARD, V. NIINIMAA and M. DYON</td>
<td>62</td>
<td>2</td>
</tr>
<tr>
<td>Physical efficiency tests in Indian urban adolescent boys and girls. A. K. DE, Prenab DEBNATH and J. NAGCHAUDHURI</td>
<td>66</td>
<td>2</td>
</tr>
<tr>
<td>Fitness test profiles and training intensities in skilled race-walkers. T. REILLY, J. HOPKINS and N. HOWLETT</td>
<td>70</td>
<td>2</td>
</tr>
<tr>
<td>Psycho-physiological analysis of an aerobic dance programme for women. E. J. BURKE and Kathleen ROCKE-FELLER</td>
<td>77</td>
<td>2</td>
</tr>
<tr>
<td>The characteristics of a low resistance breathing valve designed for the measurement of high aerobic capacity. P. JAKEMAN and B. DAVIES</td>
<td>81</td>
<td>2</td>
</tr>
<tr>
<td>Athletes' leg pains. S. ORAVA and J. PURANEN</td>
<td>92</td>
<td>3</td>
</tr>
<tr>
<td>Aerobic work capacity in young sedentary men and active athletes in India. S. K. VERMA, L. S. SIDHU and D. K. KANSAL</td>
<td>98</td>
<td>3</td>
</tr>
<tr>
<td>Fitness assessment of English League soccer players through the competitive season. V. THOMAS and T. REILLY</td>
<td>103</td>
<td>3</td>
</tr>
<tr>
<td>The effect of regular exercise on cognitive functioning and personality. R. J. YOUNG</td>
<td>110</td>
<td>3</td>
</tr>
<tr>
<td>Secretion of acrinic sweat glands during exercise. P. PILARDEAU, J. VAYSSE, M. GARNIER, M. JOUBLIN and L. VALERI</td>
<td>118</td>
<td>3</td>
</tr>
<tr>
<td>A pilot study on left ventricular dimensions and wall stress before and after submaximal exercise. N. S. CAHILL, Moira O’BRIEN, A. RODAHL, J. F. ALLEN, D. KNIGHT and Ciaran DOLPHIN</td>
<td>122</td>
<td>3</td>
</tr>
<tr>
<td>A survey of badminton injuries. L. D. HENSLEY and D. C. PAUP</td>
<td>156</td>
<td>4</td>
</tr>
<tr>
<td>Effect of water-training in the maintenance of cardiorespiratory endurance of athletes. C. J. GATTI, R. J. YOUNG and H. L. GLAD</td>
<td>161</td>
<td>4</td>
</tr>
<tr>
<td>Blood lactate concentrations during incremental work before and after maximal exercise. H. A. DAVIS and G. C. GASS</td>
<td>165</td>
<td>4</td>
</tr>
<tr>
<td>Performance of a constant torque pedal device. K. SHERWIN</td>
<td>170</td>
<td>4</td>
</tr>
<tr>
<td>Some physical efficiency tests on Bengalese football goalkeepers. A. K. DE</td>
<td>173</td>
<td>4</td>
</tr>
</tbody>
</table>

**ANNOTATIONS AND CASE REPORTS**

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic respiratory failure and physical reconditioning: case study of an elderly obese woman. W. P. MARLEY, A. J. BARRY and J. D. POSNER</td>
<td>40</td>
<td>1</td>
</tr>
<tr>
<td>Some factors in the prevention of equestrian injuries. S. ELIZABETH E. ROBSON</td>
<td>33</td>
<td>1</td>
</tr>
<tr>
<td>Recommendations for medical officers attending karate competitions. G. R. McLATCHIE</td>
<td>36</td>
<td>1</td>
</tr>
<tr>
<td>Joint rupture following internal derangement of the knee. M. A. STODELL</td>
<td>38</td>
<td>1</td>
</tr>
<tr>
<td>Recalcitrant stress fracture — a case managed by drilling. J. G. P. WILLIAMS</td>
<td>84</td>
<td>2</td>
</tr>
<tr>
<td>Colles’ fracture due to weight lifting. P. H. ROWE</td>
<td>130</td>
<td>3</td>
</tr>
<tr>
<td>Combined force injury of the elbow joint — the mechanism clarified. G. R. McLATCHIE, J. H. MILLER and E. W. MORRIS</td>
<td>176</td>
<td>4</td>
</tr>
<tr>
<td>Federation Internationale de Medicine Sportive (FIMS). J. G. P. WILLIAMS</td>
<td>180</td>
<td>4</td>
</tr>
<tr>
<td>One day Sports Injuries Course — Institute of Accident Surgery. N. TUBBS</td>
<td>182</td>
<td>4</td>
</tr>
</tbody>
</table>

**BOOK REVIEWS**

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edward J. Shea — Ethical Decisions in Physical Education and Sport (P. C. McINTOSH)</td>
<td>44</td>
<td>1</td>
</tr>
<tr>
<td>Robert Roaf — “Posture” (MOIRA O’BRIEN)</td>
<td>45</td>
<td>1</td>
</tr>
<tr>
<td>E. Burke “Toward an understanding of human performance” — H. E. ROBSON</td>
<td>54</td>
<td>2</td>
</tr>
</tbody>
</table>
D. Brunner and E. Joki “The role of exercise in internal medicine” — H. E. ROBSON 61 2
G. Ricci and A. Venerando (Eds.) “Nutrition, Dietetics and Sport” — I. M. SHARMAN 132 3
“Runners Index”, “Physical Education Index” and “Physical Education/Sports Index” — H. E. ROBSON 133 3
The FMSI’s “Cinquanta anni di Attivita” (Doreen CAMILLERI) 169 4

RECENT ARTICLES IN SPORTS MEDICINE — BIBLIOGRAPHY FROM SPORTS DOCUMENTATION 45 1

OBITUARIES
Dr. P. J. Burrows (H. E. ROBSON) 23 1
Dr. W. L. Neustatter (H. ROBSON) 121 3
Dr. P. J. R. Nicholls (J. G. P. WILLIAMS) 155 4

EDITORIALS
2 1
50 2
90 3
154 4

BULLETIN OF THE BRITISH ASSOCIATION OF SPORT AND MEDICINE
THE SECRETARY’S COLUMN 86 2
CORRESPONDENCE
‘Riposte’ to ‘Riposte’ J. G. P. WILLIAMS 45 1
The Jubilee (Number) A. PAC POMARNACKI 80 2
Sporting longevity. P. P. A. de OLIVEIRA 136 3
International register of research in sport. G. ARROWSMITH 137 3
REPORT — The Inverclyde Weekend, 1979. J. MACGREGOR 138 3
CHALLENGE! — The BASM’s role in health education. C. C. LUTTON 135 3
NOTICES OF THE BRITISH ASSOCIATION OF SPORT AND MEDICINE
BASM — IRISH AREA 5 1

ACCOUNTS AND REPORTS PREPARED FOR THE ANNUAL GENERAL MEETING FOR 1978
Minutes of the AGM for 1977 140 3
Honorary Secretary’s Report 141 3
Accounts for 1978 142 3
Honorary Treasurer’s Report 144 3
Welsh Area Report 145 3
Yorkshire and Humberside Report 145 3
Scottish Area Report and accounts 145 3

MEETINGS OF BASM AND OTHER ORGANISATIONS
Meetings of BASM and OTHER ORGANISATIONS — Calendar 149 3
BASM Events 149 3
NOTICES: Undergraduate Dissertation of the Year Award 148 3

MEETINGS OF OTHER ORGANISATIONS
ADVANCE NOTICE: Colloquium on Clinical Problems Peculiar to Sport 37 1
INSTITUTE OF ACCIDENT SURGERY: Sports Injuries — One Day Instructional Course 48 1
First International Course on Physiological Chemistry of Exercise and Training 65 2
A.C.P.S.M. 69 2
Institute of Accident Surgery 76 2
Other organisations 150 3

NEW MEMBERS
46 1
76 2
152 3
190 4

NOTES FOR GUIDANCE OF CONTRIBUTORS Inside back cover of each number Revised for 3
BRITISH JOURNAL OF SPORTS MEDICINE

GUIDANCE FOR CONTRIBUTORS

Several types of communications will be considered for publication by the Editorial Board.

1. ORIGINAL ARTICLES, reporting research, experimental work, innovations in therapeutic procedures, etc.
2. REVIEW ARTICLES on special topics, which should include an adequate but not necessarily an exhaustive bibliography.
3. ABSTRACTS of verbal communications given at scientific meetings. These may be published as 'Proceedings' of meetings, and sometimes the author might be invited to submit a fuller edited text of his talk, together with illustrations.
4. ANNOTATIONS, case reports, preliminary reports of research, and of pilot studies, usually not exceeding 400 words.
5. CORRESPONDENCE, — ‘letters to the Editor’.
6. CONFERENCE REPORTS from Area organisations of B.A.S.M., or of other meetings with direct relevance to the work and interests of B.A.S.M. members.
7. NOTICES of forthcoming events relevant to Sports Medicine.

SUBMISSION OF MANUSCRIPTS

These should be sent to the Editor, Dr. H. E. ROBSON, 39 Linkfield Road, Mountsorrel, Nr. LOUGHBOROUGH, Leics. LE12 7DJ Tel. 0533-303436 (surgery) or 0533-303971 (home) © The submission of a paper implies that it is unpublished, and has not been submitted for publication elsewhere. The copyright of articles is held jointly by the British Association of Sport and Medicine, which publishes the Journal, and by the author(s). No articles from this journal should be reprinted, in English or translation, without permission from both publisher and author(s), but no objection is made to a single photocopy being made for educational or research purposes.

Two copies of each manuscript should be submitted. They should be typewritten, double spaced, on one side of the paper only, in English, with conventional British spelling.

The title of the paper should be typed in capitals, with the names and principal qualifications of the author(s), e.g. “FRCS”, “DipPE, PhD”, “MSc(Psych)”, “MB, BS, PhD” or “MCSP”, then the appointment held, the department and the institution in which the work was carried out. If the author has moved since the work was performed, his present address should be added as a footnote.

In general, manuscripts should be prepared in accordance with the recommendations of the International Steering Committee of Medical Editors, the “Montreal Agreement”. A booklet is obtainable from the Editor, British Medical Journal (50 pence), or Annals of Internal Medicine, 4200 Pine St., Philadelphia for U.S. authors.

AN ABSTRACT not exceeding 150 words should follow the heading of a long paper. This should include the chief points made in the paper, and the main conclusions drawn or suggested. Only very essential references are included here. On the advice of the Editorial Board, a communication may be published in abstract only. Following the Abstract, some three to six KEY WORDS should be inserted to assist with indexing.

NOMENCLATURE. Drugs should be specified by their official name, followed by the trade name and manufacturer’s name in brackets if well known and widely prescribed under its trade name. Doses should be in metric measurements. S.I. units should be used, except for measurements of blood pressure, which should be in mm. Hg. Conversions from one system of measurements to another should be rounded off, and in all tables unnecessary decimal places should be avoided, as they are usually due to the mechanics of the computer, and not to accurate scientific measurement.

REFERENCES mentioned in the text should give the name of the author, or first two authors followed by et al for multi-author papers, with the date of publication in brackets, e.g. “Wright, Clarke et al (1976)”.

The reference section, the authors’ names should be arranged in alphabetical order, followed by year of publication, title of paper, journal, volume number double underlined, and first and last pages, e.g. “WRIGHT, G., CLARKE, J., NINIMAA, V. & SHEPHARD, R. J. 1976 Some reactions to a dry-land training programme for dinghy sailors’ Brit.Journ.Sports Med. 10: 4-10”.

For text-book references, the author, editor, year, title of chapter, title of book, edition number, publisher, and city of publication should be given. Our retention of the “Harvard System” of references is our only major deviation from the recommendations of the Montreal Agreement.

TABLES should be numbered in capital Roman numerals.

ILLUSTRATIONS should preferably be drawn on card in Indian ink, with labelling lightly in pencil, or written or typed well clear of the actual drawing or graph. Good quality half-tone photographs may be used if suitable for reduction to fit the space allocated. Coloured photographs will only be reproduced in half-tone and X-ray plates and transparencies cannot be guaranteed to give adequate reproduction. If necessary, a second photograph with arrows or lettering should be included, as a guide to the block-maker. Figures are numbered in Arabic numbers.

Authors are reminded that they are responsible for clearing copyright on any figures, tables or other matter already published elsewhere, and the Editor may require written authorisation to the author from the copyright holder. He may also require signatures on the letter accompanying MSS from ALL the contributors of multi-author papers.

PROOFS are corrected by the Editor, but usually sent for checking to the author, who should return them to the Editor without delay. Any extensive re-setting of type because of author’s “second thoughts” could be charged to the author. Owing to postal delays, even with airmail, proofs are not always returned to authors from overseas.

REPRINTS

It is regretted that we cannot supply authors with the customary 50 free reprints that certain other journals offer. Orders for reprints should be made on submission of the manuscript, or when returning the proofs. The exact cost cannot be given accurately until publication, but as a guide we are currently charging, for 100 copies,

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 page</td>
<td>£ 8.50</td>
</tr>
<tr>
<td>2 pages</td>
<td>£10.50</td>
</tr>
<tr>
<td>4 pages</td>
<td>£14.00</td>
</tr>
<tr>
<td>8 pages</td>
<td>£22.00</td>
</tr>
<tr>
<td>12 pages</td>
<td>£30.00</td>
</tr>
</tbody>
</table>

These prices include postage, packing, and bank clearance charges on cheques from overseas.

A “Contributor’s Copy” is sent gratis to each author and co-author.

THE EDITORIAL BOARD reserve the right to accept, reject, edit or otherwise correct any manuscript submitted. The opinions expressed in articles, book reviews or letters are those of the author, and do not necessarily agree with those of the editor, editorial board, or executive committee of the British Association of Sport and Medicine.

These notes were revised in April 1979 for Volume 13.