

The BIOCHEMICAL JOURNAL

■ London: The Biochemical Society © 1988

Volume 253, No. 3

1 August 1988

Editorial Board

Chairman

A. J. Turner (*Leeds*)

Deputy Chairmen

M. D. Houslay (*Glasgow*)
J. E. Kay (*Brighton*)
P. J. England (*Welwyn*)
J. L. Harwood (*Cardiff*)
E. D. Saggerson (*London*)

Editorial Manager

A. S. Beedle

G. Allen (*Beckenham*)
T. ap Rees (*Cambridge*)
T. Berg (*Oslo*)
B. Burchell (*Dundee*)
R. J. Cherry (*Colchester*)
G. M. W. Cook (*Cambridge*)
P. Davies (*Rahway*)
H. R. de Jonge (*Rotterdam*)
J. F. Dice (*Boston*)
A. H. Drummond (*Oxford*)
G. H. Elder (*Cardiff*)
W. H. Evans (*London*)
M. Fehlmann (*Nice*)
S. J. Ferguson (*Oxford*)
R. B. Freedman (*Canterbury*)
G. F. Gibbons (*Oxford*)
J. P. Goddard (*Glasgow*)
C. Greenwood (*Norwich*)
J. R. Griffiths (*London*)
L. Hall (*Bristol*)
T. E. Hardingham (*London*)
F. W. Hemming (*Nottingham*)
R. F. Irvine (*Cambridge*)
M. A. Kerr (*Dundee*)
P. F. Knowles (*Leeds*)

U. Lindahl (*Uppsala*)
B. Mannervik (*Stockholm*)
J. D. McGivan (*Bristol*)
R. H. Michell (*Birmingham*)
H. G. Nimmo (*Glasgow*)
V. M. Pain (*Brighton*)
A. E. Pegg (*Hershey*)
N. C. Price (*Stirling*)
C. G. Proud (*Bristol*)
H. Prydz (*Oslo*)
P. J. Reeds (*Houston*)
G. C. K. Roberts (*Leicester*)
S. P. Robins (*Aberdeen*)
G. G. Rousseau (*Bruxelles*)
K. Siddle (*Cambridge*)
H. Sies (*Düsseldorf*)
R. B. Sim (*Oxford*)
K. Snell (*Guildford*)
P. G. Strange (*Canterbury*)
A. M. Tartakoff (*Cleveland*)
K. F. Tipton (*Dublin*)
J. E. Walker (*Cambridge*)
M. Wallis (*Brighton*)
D. A. Walsh (*Davis*)
C. W. Wharton (*Birmingham*)

The Editorial Board includes two members nominated by the British Biophysical Society

- The Biochemical Journal is published and distributed by the Biochemical Society, and appears twice monthly.
- Editorial and Publishing Offices: The Biochemical Journal, 7 Warwick Court, London WC1R 5DP, U.K.
- Subscriptions Department: The Biochemical Society Book Depot, P.O. Box 32, Commerce Way, Colchester CO2 8HP, Essex, U.K.
- All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior permission of the copyright owner.
- Copies of articles in this journal may be made in the U.S.A. for personal or internal use, or for the personal or internal use of specific clients, on the condition, however, that the copier pay the stated per-copy fee through the Copyright Clearance Center Inc. (P.O. Box 765, Schenectady, New York 12301, U.S.A.) for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. The Copyright Clearance Center code for this journal is 0264-6021/88/\$02.00 + 0.00.
- Second-class postage paid at Rahway, NJ, U.S.A.
- U.S. Postmaster: send address changes to The Biochemical Journal, c/o Mercury Airfreight International Ltd., 2323 Randolph Avenue, Avenel, NJ 07001, U.S.A. (U.S. mailing agent).

Authors

The *Biochemical Journal* places emphasis on the prompt publication of **Full-length Papers** (on average about 6 months after receipt), **Rapid Papers** (on average within 3 months of receipt), **Reviews** and **BJ Letters**. It is the Journal's policy to publish papers in English in all fields of biochemistry, provided that they make a sufficient contribution to biochemical knowledge. Papers may include new results obtained experimentally, descriptions of new experimental methods of biochemical importance, or new interpretations of existing results. Theoretical contributions will be considered equally with papers dealing with experimental work. All work presented should have as its aim the development of biochemical concepts rather than the mere recording of facts. Preliminary or inconclusive experiments should not be described.

Papers are accepted from non-members and members of the Biochemical Society. Prospective authors should note that the *Biochemical Journal* offers rapid publication and makes no manuscript handling charges, no page charges and no charges for plates (except colour). Fifty reprints are provided free of charge; further copies are available at modest cost.

The paragraphs below are a summarized version of information provided in the Biochemical Society's *Policy of the Journal and Instructions to Authors* [Biochem. J. (1988) 249, 1-20]. Copies are available from the Editorial Office.

The following types of submission are considered by the Editorial Board.

1. **Full-length Papers** (normally eight printed pages maximum)
2. **Rapid Papers** (four printed pages maximum)
3. **Letters** (two printed pages maximum)
4. **Reviews** (usually solicited)

Full-length Papers and Rapid Papers

Full-length Papers should not normally exceed eight printed pages, including figures and tables. Longer papers may be acceptable if their content justifies their length, but authors should remember that short papers are generally published with the least delay.

All papers that can be accommodated in four pages of the Journal will be treated as **Rapid**

Papers. They receive priority treatment and it is aimed for their publication to be within 3 months of receipt. However, the criteria of reviewing and the appearance of **Rapid Papers** in the Journal are identical with those of Full-length Papers. In order to achieve the accelerated schedule, reviewers are asked to give priority to the paper and proofs of accepted **Rapid Papers** are not supplied to authors. In addition, **Rapid Papers** that do not contain half-tone figures may be submitted by FAX to the number below. In this case only one copy of the article is required, and acknowledgement of receipt and the review decision will be returned to the author by FAX. Refer to the current *Instructions to Authors* for details of this procedure.

Papers submitted for publication should be addressed to the Editorial Manager, The Biochemical Journal, 7 Warwick Court, London WC1R 5DP, U.K. (telephone 01-405 4918; FAX 01-831 1853; from overseas the international code for the U.K. is +44 and the initial 0 should be omitted). Three copies of the typescript should be submitted. The typescript should bear the name, address and telephone number (and FAX number if possible) of the person to whom correspondence (including proofs) should be sent. An additional copy of the synopsis should be enclosed. The top copy should be accompanied by the original artwork. Photocopies of line drawings are acceptable for the other two copies but glossy prints (**not photocopies**) of all the halftone figures must be provided.

It is helpful if the author encloses copies of relevant preceding papers, especially if these were not published in the *Biochemical Journal*. If reference is made to a paper 'in the press' in another journal the reviewers will not have access to this material and it is essential that the author should include photocopies of the relevant typescript or proofs together with documentary evidence that it has been accepted for publication. Failure to do this may lead to delay in reviewing. Any reference to a 'personal communication' must be supported by written permission for the quotation from the individual concerned.

Before preparing papers, authors should consult a current issue of the Journal to make themselves familiar with the general format, such as the use of cross-headings, lay-out of tables and citation of references (either the Harvard or the numerical system may be used for these). Typescripts should be in double-

spaced typing throughout (including the references and legends of tables and figures) on sheets of uniform size (preferably ISO A4) with wide margins. Output from computer printers must be of 'near letter' quality.

Full-length Papers should not normally exceed 7000 words in length, and **Rapid Papers** must not exceed 3500 words, each inclusive of title, synopsis and references. Authors must assess what proportion of a page insertions (such as tables, figures and schemes) will occupy and reduce the number of text words accordingly at the rate of 1000 words per full page of the Journal.

Authors should state under which section of the contents list they wish their paper to appear:

*Proteins
Enzymes
Carbohydrates
Lipids
Gene structure and expression
Synthesis and degradation of macromolecules
Intermediary metabolism and metabolic control
Bioenergetics and transport
Membranes and receptors
Cell structure and function
Methods*

BJ Letters and Reviews

BJ Letters are intended to provide an opportunity to discuss, criticize or expand particular points made in published work, or to present a new hypothesis. They should not be comments on general aspects of the biochemical world, nor should they be used as an alternative to a **Rapid Paper**. If a letter is polemical in nature, a reply may be solicited from other interested parties before its publication. Letters must not exceed 1500 words, which is approximately the equivalent of two printed pages; one figure, table or scheme may be included. **BJ Letters** may also be submitted by FAX (see above).

Reviews will usually be solicited, although unsolicited reviews will be considered for publication; however, prospective writers of reviews should first consult the Chairman of the Editorial Board, and should enclose a short (one typed page) synopsis of the area they propose to cover.

Subscribers

The *Biochemical Journal* is published and distributed by the Biochemical Society. It is published twice monthly; in 1988 eight volumes (249-256) of three parts each will appear. An Annual Index is supplied to all subscribers as soon as possible after publication of the year's volumes.

Subscription rates

For non-members of the Biochemical Society the subscription rates for 1988 are shown below.

Subscribers to the *Biochemical Journal* can subscribe additionally to *Biochemical Society Transactions* on a joint subscription, saving £15.00 (U.K. and Overseas) or \$25.00 (N. America). The methods of despatch of both publications are shown below.

Terms are cash with order (£ sterling for subscribers other than in North America or U.S. \$ equivalent at current rate of exchange) or against proforma invoice. Orders and subscriptions should be sent to the address below, or through your usual agent.

	U.K. & Overseas	U.S.A. Canada & Mexico	Japan
1 year (8 volumes)	£575	U.S. \$1045	£660
Per volume	£73	U.S. \$135	£84
Per part	£25	U.S. \$47	£29

The subscription rates for North America and Japan include elements for airfreight and Accelerated Surface Post respectively. Subscribers may opt for air-mail delivery at additional cost; details are available on application.

Advertisements

Applications for advertising space should be sent to the Biochemical Society Advertising Department, Jackson & Rudd Associates, Oldbourne House, 46-47 Chancery Lane, London WC2A 1JB, U.K. Copy is required eight weeks before publication date. Rate cards are available on request.

Microfiche

Volumes 102-248 of the *Biochemical Journal* are available on microfiche. Further details are available from the address below.

Subscription Department

The Biochemical Society Book Depot,
P.O. Box 32, Commerce Way,
Colchester CO2 8HP, Essex, U.K.

Librarians

Preliminary pages: The preliminary pages in each issue have been arranged and paginated so

that they can be assembled to give a set of volume preliminary pages; pages (i) and (ii) are the volume title pages supplied with part 1 of each volume, pages (iii)-(vi), (vii)-(x) and (xi)-(xiv) are the contents pages from parts 1, 2

and 3 respectively, and pages (xv) and (xvi) are the volume author index supplied in part 3 of each volume.

INDEX OF AUTHORS

PAGE	PAGE	PAGE	PAGE
Auer, B.	859	Felsted, R. L.	839
Baisted, D. J.	693	Fox, J.	809
Balasubramanian, A. S.	677	Friedrich, E.	835
Baldwin, C. T.	919	Galbraith, R. A.	927
Balestre, M.-N.	765	Gallo-Payet, N.	765
Baracos, V.	745	Ganapathi, M. K.	851
Barker, C. J.	721	Gärtner, S.	801
Barnaby, R. J.	777	Gaston, K.	809
Barton, C. H.	877	Gee, N. S.	777
Bennett, A. J.	687	Gigg, R.	901
Brammar, W. J.	907	Goddard, C.	839
Brett, C. T.	795	Golderer, G.	859
Brindley, D. N.	687	Graham, A.	687
Brown, J. E.	703	Gröbner, P.	859
Busby, S.	809	Gronenborn, A. M.	801
Cabrini, L.	931	Guillon, G.	765
Campbell, R. E.	795	Gulve, E. A.	745
Casey, R.	915	Gumà, A.	625
Casteels, R.	827	Gutteridge, J. M. C.	932
Chan, B.	809	Halliwell, B.	932
Chaung, L.-Y.	745	Hanahan, D. J.	651
Clore, G. M.	801	Harrison, R. A.	667
Clot, J.-P.	735	Hawkins, P. T.	721
Cooke, A. M.	901	Hill, C. E.	651
Cooke, B. A.	895	Hillman, J. R.	795
Crawford, C.	751	Hook, G. E. R.	659
Crocker, G.	877	Irvine, R. F.	703
Dangelmaier, C. A.	789	Iwasa, F.	927
Daniel, J. L.	789	Jackson, R. G.	777
Dawson, R. A.	877	Jaenisch, R.	919
Denton, R. M.	783	Janicot, M.	735
Desbuquois, B.	735	Johnson, D.	645
De Smedt, H.	827	Kimura, S.	869
Dixon, H. B. F.	911	Kokubun, Y.	869
Downes, C. P.	721	Kolb, A.	809
Dresel, H. A.	835	Kozulić, B.	845
Ealing, P. M.	915	Kuivaniemi, H.	919
Easom, R. A.	819	Kusche, M.	885
Easton, C.	645	Kushner, I.	851
Enerbäck, L.	885		
Farries, T. C.	667	Lachmann, P. J.	667
		Letcher, A. J.	703
		Lindahl, U.	885
		Loidl, P.	859
		Lombard, C.	765
		Mackiewicz, A.	851
		MacNeil, S.	877
		Magnaldo, I.	711
		Mannervik, B.	759
		Martial, J.	637
		Mason, R. W.	751
		Mathur, R.	677
		Matsuura, R.	923
		McElligott, M. A.	745
		McLean, A. A. M.	687
		Meussdoerffer, F.	845
		Michalak, M.	631
		Miller, B. E.	659
		Mishima, K.	923
		Missiaen, L.	827
		Miwa, M.	651
		Mosbach, K.	845
		Muller, M.	637
		Nahorski, S. R.	901
		O'Brien, R. M.	783
		Olson, M. S.	651, 819
		Otnad, E.	835
		Özer, N.	759
		Palacín, M.	625
		Panneerselvam, K.	677
		Paris, S.	711
		Pawelczyk, T.	819
		Platts, E. A.	895
		Potter, B. V. L.	901
		Poulos, A.	645
		Pouysségur, J.	711
		Prockop, D. J.	919
		Ragan, C. I.	777
		Reese, J.	851
		Reid, G. G.	777
		Robinson, B. S.	693
		Rodén, I.	885
		Rudnick, M.	703
		Samani, N. J.	907
		Samols, D.	851
		Sandulache, R.	801
		Sassa, S.	927
		Schneider, R.	859
		Schulster, D.	895
		Schultz, D.	851
		Sharp, P.	645
		Shaw, E.	751
		Sheridan, P. J.	651
		Shikata, H.	919
		Shimoyama, M.	923
		Siddle, K.	783
		Sinn, H.	835
		Smith, J. B.	789
		Stacey, A.	919
		Stephens, L. R.	721
		Strupish, J.	901
		Swales, J. D.	907
		Tadolini, B.	931
		Tahir, M. K.	759
		Takasaki, C.	869
		Tamiya, N.	869
		Tanigawa, Y.	923
		Tavaré, J. M.	783
		Testar, X.	625
		Tromp, G.	919
		Tsuchiya, M.	923
		Vance, D. E.	693
		Verly, W. G.	637
		Via, D. P.	835
		Vrolix, M.	827
		Wikstrom, P.	751
		Wuytack, F.	827
		Yoshimura, Y.	923
		Zammit, V. A.	687
		Ziegler, R.	835
		Zorzano, A.	625

VOLUME AUTHOR INDEX

Volume 253, 1988

PAGE	PAGE	PAGE	PAGE
Abecassis, J.	187	Cohen, N. S.	621
Agius, L.	161, 169, 337	Collinson, A. R.	117
Akamatsu, N.	59	Conlon, J. M.	203
Alberti, K. G. M. M.	161, 169	Conyers, R. A. J.	603
Ali, R.	103	Cooke, A. M.	901
Al Salihi, A.	475	Cooke, B. A.	895
Anderson, P. J.	27	Cooney, G. J.	291
Andreao, C. S.	217	Crabtree, B.	620
Antholine, W. E.	561	Crawford, C.	751
Attwood, P. V.	387	Creutzfeldt, W.	203
Auer, B.	859	Crocker, G.	877
Aulak, K. S.	615	Curtis, C. G.	153
Bailly, C.	497	Dahiya, R.	401
Bailly, V.	553	D'Alessio, G.	329
Baines, A. J.	345	Dangelmaier, C. A.	789
Bais, R.	603	Daniel, J. L.	789
Baisted, D. J.	693	Darnley, A. C.	351
Baker, M. E.	307	Daune, G.	481
Balasubramanian, A. S.	677	Dawson, R. A.	877
Baldwin, C. T.	919	Deistung, J.	587
Balestre, M.-N.	765	De Matteis, F.	569
Baracos, V.	745	de Mercoyrol, L.	281
Barker, C. J.	721	Denton, R. M.	783
Barnaby, R. J.	777	Denyer, G. S.	291
Bartlett, K.	337, 541	Deregnaucourt, C.	395
Barton, C. H.	877	Desbuquois, B.	735
Bazil, V.	1	De Smedt, H.	827
Béhal, V.	263	Di Donato, A.	329
Bement, W. J.	131, 357	Dimitriadis, G. D.	87
Bennett, A. J.	687	Disa, J.	255
Bernard, A.	511	Dixon, H. B. F.	911
Bernier, J.-L.	497	Domenicucci, C.	139
Bhuiyan, A. K. M. J.	337, 541	Downes, C. P.	721
Binet, A.	435	Dresel, H. A.	835
Boland, J.	435	D'Santos, C. S.	505
Bourgeois, C. S.	603	Ducep, J.-B.	387
Bourne, A.	299	Dudeja, P. K.	401
Bowyer, D. E.	409	Dunlop, M. E.	67
Brammar, W. J.	907		
Brasitus, T. A.	401	Ealing, P. M.	915
Breathnach, R.	187	Easom, R. A.	819
Brett, C. T.	795	Easton, C.	645
Brindley, D. N.	687	Elder, G. H.	131, 357
Brossmer, R.	577	Enerbäck, L.	885
Brown, J. E.	703	Engel, J.	175
Brown, M. D.	401	Erdei, A.	475
Brown, R. D.	363	Erdős, E. G.	313
Brugni, N.	409	Evans, T.	505
Buhler, D. R.	131		
Busby, S.	809	Farndale, R. W.	235
Cabrini, L.	931	Farrries, T. C.	667
Cadet, F.	243, 249	Felsted, R. L.	839
Caesar, P. A.	451	Ferrarotto, C.	27
Campbell, R. E.	795	Ferreras, M.	517
Capdeville, Y.	395	Fesus, L.	33
Capito, K.	229	Fibach, E.	377
Carell, R. W.	615	Field, C. J.	417
Carpenter, C. A.	351	Flieger, M.	263
Carpenter, H. M.	131	Flurkey, W. H.	295
Casals, C.	209	Fominaya, J. M.	517
Casey, R.	915	Fontaine, M.	475
Casteels, R.	827	Fox, J.	809
Caterson, I. D.	291	Frankland, R.	291
Catteau, J.-P.	497	Friedrich, E.	835
Ceru, M. P.	33	Friedrich, P.	467
Challiss, R. A. J.	87	Friis, R. R.	381
Chan, B.	809	Gal, S.	303
Chanal, M.-C.	387	Galbraith, R. A.	927
Chaung, L.-Y.	745	Gallo-Payet, N.	765
Chen, R.	295	Ganapathi, M. K.	851
Cheung, C.-W.	621	Garcia-Segura, J. M.	517
Choudry, Y.	299	Gärtner, S.	801
Clandinin, M. T.	417	Gaston, K.	809
Clark, J. B.	425	Gatt, S.	377
Clore, G. M.	801	Gavilanes, J. G.	517
Clot, J.-P.	735	Gee, N. S.	777
		Geib, R. W.	295
		Gerhart, F.	481
		Gerondaes, P.	161, 169
		Gesnel, M.-C.	187
		Gherardi, E.	409
		Gigg, R.	901
		Gilbert, D.	475
		Glossmann, H.	39, 49
		Goddard, C.	839
		Goldberg, H. A.	139
		Golderer, G.	859
		Gonzalez, D. H.	217
		Gorman, N.	357
		Gottesman, M. M.	303
		Graham, A.	687
		Gröbner, P.	859
		Groen, A. K.	619
		Gronenborn, A. M.	801
		Gross, H. J.	577
		Guillon, G.	765
		Gulve, E. A.	745
		Gumå, A.	625
		Gutteridge, J. M. C.	932
		Haigh, M.	607
		Halestrap, A. P.	622
		Hallowell, B.	932
		Hanahan, D. J.	651
		Hanley, M. R.	81
		Hanna, P. M.	561
		Harding, C. R.	153
		Hardingham, T. E.	175
		Harrison, R. A.	615, 667
		Hawkins, P. T.	721
		Hedeskov, C. J.	229
		Heinegård, D.	175
		Helbecque, N.	497
		Hénichart, J.-P.	497
		Hetenyi, Jr., G. J.	27
		Hill, C. E.	651
		Hillman, J. R.	795
		Hofmann, T.	139
		Holmsen, H.	581
		Hook, G. E. R.	659
		Höfejší, V.	1
		Houssin, R.	497
		Hue, L.	597
		Hughes, J. P.	295
		Insel, P. A.	363
		Irvine, R. F.	703
		Isenman, D.	139
		Iwasa, F.	927
		Jackson, M. C.	299
		Jackson, R. G.	777
		Jackson, T. R.	81
		Jaenisch, R.	919
		Janicot, M.	735
		Job, C.	281
		Job, D.	281
		Johnson, D.	645
		Kage, R.	203
		Kato, S.	59
		Keller, A.-M.	395
		Kemp, B. E.	505
		Kénaní, A.	497
		Kenny, A. J.	299
		Kerbey, A. L.	291
		Kimura, S.	869
		Kivirikko, K. I.	489
		Knaus, H.-G.	39
		Knowles, B. H.	235
		Kokubun, Y.	869
		Kolb, A.	809
		Kowalska, M. A.	255
		Kozulic, B.	845
		Kuivaniemi, H.	919
		Kuntz, D. A.	597
		Kunze, D.	209
		Kurlandzka, A.	109
		Kuschke, M.	885
		Kushner, I.	851
		Labbe-Bois, R.	109
		Lachmann, P. J.	615, 667
		Laherty, R. F.	295
		Lambrecht, R. W.	131, 357
		Larkins, R. G.	67
		Leighton, B.	87
		Letcher, A. J.	703
		Li, J.	533
		Liddell, J. E.	153
		Lindahl, U.	885
		Lock, E. A.	569
		Loidl, P.	859
		Lombard, C.	765
		Lowenstein, J. M.	117
		MacDonald, R. J.	313
		Mackiewicz, A.	851
		MacNeil, S.	877
		Magnaldo, I.	711
		Mannervik, B.	759
		Margolius, H. S.	313
		Marsilio, E.	269
		Martial, J.	637
		Martin, T. J.	505
		Mason, R. W.	751
		Mathur, R.	677
		Matsuura, R.	923
		Mattaliano, R.	511
		McElligott, M. A.	745
		McLean, A. A. M.	687
		McMillin, D. R.	561
		Meunier, J.-C.	243, 249
		Meussdoerffer, F.	845
		Michalak, M.	631
		Miller, B. E.	659
		Millon-Collard, R.	187
		Mishima, K.	923
		Missiaen, L.	827
		Miya, M.	651
		Monks, J.	323
		Mörgelin, M.	175
		Mosbach, K.	845
		Moseley, J. M.	505
		Muller, D.	187
		Muller, M.	637
		Myllylä, R.	489

VOLUME AUTHOR INDEX (continued)

PAGE	PAGE	PAGE	PAGE
Pasenkiewicz-Gierula, M.	561	Robinson, F. C.	223
Patterson, S. I.	81	Rodén, L.	885
Pathy, L.	309	Rodriguez de Turco, E. B.	73
Paulsson, M.	175	Rofe, A. M.	603
Pawelczyk, T.	819	Rosen, F. S.	615
Payton, M. A.	511	Rousset, B.	523
Pemberton, P. A.	615	Rudnick, M.	703
Piacentini, M.	33	Rüstow, B.	209
Piccoli, R.	329	Ryan, E. A.	417
Pintér, M.	467	Rytka, J.	109
Platts, E. A.	895		
Postle, A. D.	451	Saggerson, E. D.	351
Postlind, H.	549	Saidha, T.	533
Potter, B. V. L.	901	Samani, N. J.	907
Poulos, A.	645	Samols, D.	851
Pouységur, J.	711	Sandulache, R.	801
Powell, G. M.	153	Sartori, C.	33
Prentice, D. A.	295	Sassa, S.	927
Prockop, D. J.	919	Schiff, J. A.	533
Putney, J. W.	459	Schimmel, R. J.	93
Quantin, B.	187	Schlame, M.	209
Rabe, H.	209	Schneider, R.	859
Ragan, C. I.	777	Schnitzer, S. B.	295
Raijman, L.	621	Schonbrunn, A.	193
Raman, M.	27	Schreier, T.	381
Rao, A. K.	255	Schrimshter, J. L.	511
Rayhel, E. J.	295	Schulster, D.	895
Rayner, D.	345	Schultz, D.	851
Reece, J. F.	363	Scott, I. R.	153
Reed, C. J.	569	Scott, J. E.	607
Reese, J.	851	Seiler, N.	481
Reid, G. G.	777	Selmi, S.	523
Reinhamar, B.	561	Shah, M. A.	103
Richards, S.	153	Sharp, P.	645
Richarme, G.	371	Shaw, E.	751
Rider, M. H.	597	Sheridan, P. J.	651
Ripoche, J.	475	Sherratt, H. S. A.	337, 541
Roberts, A. G.	357	Shikata, H.	919
Robinson, B. S.	693	Shimoyama, M.	923
		Siddle, K.	783
		Sim, R. B.	475
		Sinclair, J. A.	357
		Sinclair, J. F.	131
		Sinclair, P. R.	131, 357
		Sinn, H.	835
		Smith, B. D.	269
		Smith, J. B.	789
		Smythe, E.	275
		Sodek, J.	139
		Spitzer, J. A.	73
		Stacey, A.	919
		Steen, V. M.	581
		Stephens, L. R.	721
		Sticher, U.	577
		Striessnig, J.	39
		Strupish, J.	901
		Sugiya, H.	459
		Svensson, B. E.	441
		Swales, J. D.	907
		Swope, S. L.	193
		Tabor, P. S.	295
		Tadolini, B.	931
		Tager, J. M.	619
		Tahir, M. K.	759
		Takasaki, C.	869
		Tamiya, N.	869
		Tanigawa, Y.	923
		Tavaré, J. M.	783
		Terman, B. I.	363
		Testar, X.	625
		Thams, P.	229
		Thastrup, O.	81
		Thim, L.	203, 309
		Thompson, A. B. R.	417
		Thorneley, R. N. F.	587
		Treharne, K. J.	345
		Tromp, G.	919
		Trüeb, B.	381
		Truong, V. L.	117
		Tsuchiya, M.	923
		Turnbull, D. M.	541
		Tysnes, O.-B.	581
		Urban-Grimal, D.	109
		Urquhart, A. J.	131, 357
		Vance, D. E.	693
		Vančurová, I.	263
		Vašák, M.	611
		Vazquez, F.	611
		Verly, W. G.	553, 637
		Via, D. P.	835
		Vlach, J.	263
		Vlachonikolis, I. G.	87
		Volc, J.	263
		Vrolix, M.	827
		Waley, S. G.	323
		Wallace, H. M.	223
		Wasi, S.	139
		Watmough, N. J.	541
		West, D.	87
		White, E. J.	425
		Wikstrom, P.	751
		Wikvall, K.	549
		Williams, D. C.	275
		Williams, P. F.	291
		Wilson, S. J.	451
		Wingfield, P. T.	511
		Winterhalter, K. H.	381
		Wood, P. M.	287
		Woodley, J. F.	299
		Wuytack, F.	827
		Yoshimura, Y.	923
		Zammit, V. A.	687
		Zernig, G.	49
		Ziegler, R.	835
		Zoladek, T.	109
		Zorzano, A.	625