

Contributing Authors

- A. ALBINATI: Istituto Chimica Farmaceutica, Università di Milano, Viale Abruzzi 42, Milano 20131, Italy. [8.6]
- N. G. ALEXANDROPOULOS: Department of Physics, University of Ioannina, PO Box 1186, Gr-45110 Ioannina, Greece. [7.4.3]
- F. H. ALLEN: Cambridge Crystallographic Data Centre, 12 Union Road, Cambridge CB2 1EZ, England. [9.5, 9.6]
- Y. AMEMIYA: Engineering Research Institute, Department of Applied Physics, Faculty of Engineering, University of Tokyo, 2-11-16 Yayoi, Bunkyo, Tokyo 113, Japan. [7.1.8]
- I. S. ANDERSON: Institut Laue–Langevin, Avenue des Martyrs, BP 156X, F-38042 Grenoble CEDEX, France. [4.4.2]
- U. W. ARNDT: MRC Laboratory of Molecular Biology, Hills Road, Cambridge CB2 2QH, England. [4.2.1, 7.1.6]
- J. BARUCHEL: Experiment Division, ESRF, BP 220, F-38043 Grenoble CEDEX, France. [2.8]
- P. J. BECKER: Ecole Centrale Paris, Centre de Recherche, Grand Voie des Vignes, F-92295 Châtenay Malabry CEDEX, France. [8.7]
- G. BERGERHOFF: Institut für Anorganische Chemie der Universität Bonn, Gerhard-Domagkstrasse 1, D-53121 Bonn, Germany. [9.4]
- P. T. BOGGS: Scientific Computing Division, National Institute of Standards and Technology, Gaithersburg, MD 20899, USA. [8.1]
- L. BRAMMER: Department of Chemistry, University of Missouri–St Louis, 8001 Natural Bridge Road, St Louis, MO 63121-4499, USA. [9.5, 9.6]
- K. BRANDENBURG: Institut für Anorganische Chemie der Universität Bonn, Gerhard-Domagkstrasse 1, D-53121 Bonn, Germany. [9.4]
- P. J. BROWN: Institut Laue–Langevin, Avenue des Martyrs, BP 156X, F-38042 Grenoble CEDEX, France. [4.4.5, 6.1.2]
- †B. BURAS [2.5.1, 7.1.5]
- J. M. CARPENTER: Intense Pulsed Neutron Source, Building 360, Argonne National Laboratory, Argonne, IL 60439, USA. [4.4.1]
- J. N. CHAPMAN: Department of Physics and Astronomy, University of Glasgow, Glasgow G12 8QQ, Scotland. [7.2]
- P. CHIEUX: Institut Laue–Langevin, Avenue des Martyrs, BP 156X, F-38042 Grenoble CEDEX, France. [7.3]
- J. CHIKAWA: Center for Advanced Science and Technology, Harima Science Park City, Kamigori-cho, Hyogo 678-12, Japan. [7.1.7, 7.1.8]
- C. COLLIEUX, Laboratoire Aimé Cotton, CNRS, Campus d'Orsay, Bâtiment 505, F-91405 Orsay CEDEX, France. [4.3.4]
- D. M. COLLINS: Laboratory for the Structure of Matter, Code 6030, Naval Research Laboratory, Washington, DC 20375-5341, USA. [8.2]
- P. CONVERT: Institut Laue–Langevin, Avenue des Martyrs, BP 156X, F-38042 Grenoble CEDEX, France. [7.3]
- M. J. COOPER: Department of Physics, University of Warwick, Coventry CV4 7AL, England. [7.4.3]
- P. COPPENS: 732 NSM Building, Department of Chemistry, State University of New York at Buffalo, Buffalo, NY 14260-3000, USA. [8.7]
- J. M. COWLEY: Department of Physics and Astronomy, Arizona State University, Tempe, AZ 85287-1504, USA. [2.4.1, 4.3.1, 4.3.2, 4.3.8]
- D. C. CREAGH: Division of Health, Design, and Science, University of Canberra, Canberra, ACT 2601, Australia. [4.2.3, 4.2.4, 4.2.5, 4.2.6, 10]
- J. L. C. DAAMS: Materials Analysis Department, Philips Research Laboratories, Prof. Holstaan 4, 5656 AA Eindhoven, The Netherlands. [9.3]
- W. I. F. DAVID: ISIS Science Division, Rutherford Appleton Laboratory, Chilton, Didcot, Oxfordshire OX11 0QX, England. [2.5.2]
- †R. D. DESLATTES [4.2.2]
- S. L. DUDAREV: Department of Materials, University of Oxford, Parks Road, Oxford OX1 3PH, England. [4.3.2]
- S. ĐUROVIĆ: Department of Theoretical Chemistry, Slovak Academy of Sciences, Dúbravská cesta, 842 36 Bratislava, Slovakia. [9.2.2]
- L. W. FINGER: Geophysical Laboratory, Carnegie Institution of Washington, 5251 Broad Branch Road NW, Washington, DC 20015-1305, USA. [8.3]
- M. FINK: Department of Physics, University of Texas at Austin, Austin, TX 78712, USA. [4.3.3]
- W. FISCHER: Institut für Mineralogie, Petrologie und Kristallographie, Universität Marburg, Hans-Meerwein-Strasse, D-35032 Marburg, Germany. [9.1]
- H. M. FLOWER: Department of Metallurgy, Imperial College, London SW7, England. [3.5]
- A. G. FOX: Center for Materials Science and Engineering, Naval Postgraduate School, Monterey, CA 93943-5000, USA. [6.1.1]
- J. R. FRYER: Department of Chemistry, University of Glasgow, Glasgow G12 8QQ, Scotland. [3.5]
- E. GALDECKA: Institute of Low Temperature and Structure Research, Polish Academy of Sciences, PO Box 937, 50-950 Wrocław 2, Poland. [5.3]
- L. GERWARD: Physics Department, Technical University of Denmark, DK-2800 Lyngby, Denmark. [2.5.1, 7.1.5]
- J. GJØNNES: Department of Physics, University of Oslo, PO Box 1048, Blindern, N-0316 Oslo, Norway. [4.3.7, 8.8]
- O. GLATTER: Institut für Physikalische Chemie, Universität Graz, Heinrichstrasse 28, A-8010 Graz, Austria. [2.6.1]
- J. R. HELLIWELL: Department of Chemistry, University of Manchester, Manchester M13 9PL, England. [2.1, 2.2]
- A. W. HEWAT: Institut Laue–Langevin, Avenue des Martyrs, BP 156X, F-38042 Grenoble CEDEX, France. [2.4.2]
- R. L. HILDERBRANDT: Chemistry Division, Room 1055, The National Science Foundation, 4201 Wilson Blvd, Arlington, VA 22230, USA. [4.3.3]
- A. HOWIE: Cavendish Laboratory, Madingley Road, Cambridge CB3 0HE, England [4.3.6.2]
- H.-C. HU: China Institute of Atomic Energy, PO Box 275 (18), Beijing 102413, People's Republic of China [6.2]
- J. H. HUBBELL: Room C314, Radiation Physics Building, National Institute of Standards and Technology, Gaithersburg, MD 20899, USA. [4.2.4]
- P. INDELICATO: Laboratoire Kastler-Brossel, Case 74, Université Pierre et Marie Curie, 4 Place Jussieu, F-75252 Paris CEDEX 05, France. [4.2.2]
- A. JANNER: Institute for Theoretical Physics, University of Nijmegen, Toernooiveld, NL-6525 ED Nijmegen, The Netherlands. [9.8]
- T. JANSSEN: Institute for Theoretical Physics, University of Nijmegen, Toernooiveld, NL-6525 ED Nijmegen, The Netherlands. [9.8]

† Deceased.

† Deceased.

CONTRIBUTING AUTHORS

- A. W. S. JOHNSON: Centre for Microscopy and Microanalysis, University of Western Australia, Nedlands, WA 6009, Australia. [5.4.1]
- J. D. JORGENSEN: Materials Science Division, Building 223, Argonne National Laboratory, Argonne, IL 60439, USA. [2.5.2]
- V. L. KAREN: NIST Center for Neutron Research, National Institute of Standards and Technology, Gaithersburg, MD 20899, USA. [9.7]
- E. G. KESSLER JR: Atomic Physics Division, National Institute of Standards and Technology, Gaithersburg, MD 20899, USA. [4.2.2]
- E. KOCH: Institut für Mineralogie, Petrologie und Kristallographie, Universität Marburg, Hans-Meerwein-Strasse, D-35032 Marburg, Germany. [1.1, 1.2, 1.3, 9.1]
- J. H. KONNERT: Laboratory for the Structure of Matter, Code 6030, Naval Research Laboratory, Washington, DC 20375-5000, USA. [8.3]
- P. KRISHNA: Rajghat Education Center, Krishnamurti Foundation India, Rajghat Fort, Varanasi 221001, India. [9.2.1]
- G. LANDER: ITU, European Commission, Postfach 2340, D-76125 Karlsruhe, Germany. [4.4.1]
- A. R. LANG: H. H. Wills Physics Laboratory, University of Bristol, Tyndall Avenue, Bristol BS8 1TL, England. [2.7]
- J. I. LANGFORD: School of Physics & Astronomy, University of Birmingham, Birmingham B15 2TT, England. [2.3, 5.2, 6.2, 7.1.2]
- †E. S. LARSEN JR. [3.3]
- P. F. LINDLEY: ESRF, Avenue des Martyrs, BP 220, F-38043 Grenoble CEDEX, France. [3.1, 3.2.1, 3.2.3, 3.4]
- E. LINDROTH, Department of Atomic Physics, Stockholm University, S-104 05 Stockholm, Sweden. [4.2.2]
- † H. LIPSON. [6.2]
- A. LOOIJENGA-VOS: Roland Holstlaan 908, NL-2624 JK Delft, The Netherlands. [9.8]
- D. F. LYNCH: CSIRO Division of Materials Science & Technology, Private Bag 33, Rosebank MDC, Clayton, Victoria 3169, Australia. [4.3.6.1]
- C. F. MAJKRZAK: NIST Center for Neutron Research, National Institute of Standards and Technology, Gaithersburg, MD 20899, USA. [2.9]
- S. MARTINEZ-CARRERA: San Ernesto, 6-Esc. 3, 28002 Madrid, Spain. [10]
- †E. N. MASLEN. [6.1.1, 6.3]
- R. P. MAY: Institut Laue-Langevin, Avenue des Martyrs, BP 156X, F-38042 Grenoble CEDEX, France. [2.6.2]
- †R. MEYROWITZ. [3.3]
- A. MIGHELL: NIST Center for Neutron Research, National Institute of Standards and Technology, Gaithersburg, MD 20899, USA. [9.7]
- M. A. O'KEEFE: National Center for Electron Microscopy, Lawrence Berkeley National Laboratory MS-72, University of California, Berkeley, CA 94720, USA. [6.1.1]
- A. OLSEN: Department of Physics, University of Oslo, PO Box 1048, N-0316 Blindern, Norway. [5.4.2]
- A. G. ORPEN: School of Chemistry, University of Bristol, Bristol BS8 1TS, England. [9.5, 9.6]
- D. PANDEY: Physics Department, Banaras Hindu University, Varanasi 221005, India. [9.2.1]
- †W. PARRISH. [2.3, 5.2, 7.1.2, 7.1.3, 7.1.4]
- L. M. PENG: Department of Electronics, Peking University, Beijing 100817, People's Republic of China. [4.3.2]
- E. PRINCE: NIST Center for Neutron Research, National Institute of Standards and Technology, Gaithersburg, MD 20899, USA. [8.1, 8.2, 8.3, 8.4, 8.5]
- R. PYNN: LANSCE, MS H805, Los Alamos National Laboratory, PO Box 1663, Los Alamos, NM 87545, USA. [4.4.3]
- G. REN: Beijing Laboratory of Electron Microscopy, Chinese Academy of Sciences, PO Box 2724, Beijing 100080, People's Republic of China. [4.3.2]
- F. M. RICHARDS: Department of Molecular Biophysics and Biochemistry, Yale University, 260 Whitney Ave, New Haven, CT 06520-8114, USA. [3.2.2]
- J. R. RODGERS: National Research Council of Canada, Canada Institute for Scientific and Technical Information, Ottawa, Canada K1A 0S2. [9.3]
- A. W. ROSS: Physics Department, The University of Texas at Austin, Austin, TX 78712, USA. [4.3.3]
- J. M. ROWE: NIST Center for Neutron Research, National Institute of Standards and Technology, Gaithersburg, MD 20899, USA. [4.4.3]
- T. M. SABINE: ANSTO, Private Mail Bag 1, Menai, NSW 2234, Australia. [6.4]
- O. SCHÄRPF: Physik-Department E13, TU München, James-Franck-Strasse 1, D-85748 Garching, Germany. [4.4.2]
- M. SCHLENKER: l'Institut National Polytechnique de Grenoble, Laboratoire Louis Néel du CNRS, BP 166, F-38042 Grenoble CEDEX 9, France. [2.8]
- V. F. SEARS: Atomic Energy of Canada Limited, Chalk River Laboratories, Chalk River, Ontario, Canada K0J 1J0. [4.4.4]
- G. S. SMITH: Manuel Lujan Jr Neutron Scattering Center, Los Alamos National Laboratory, Los Alamos, NM 87545, USA. [2.9]
- V. H. SMITH JR: Department of Chemistry, Queen's University, Kingston, Ontario, Canada K7L 3N6. [4.3.3]
- J. C. H. SPENCE: Department of Physics, Arizona State University, Tempe, AZ 85287, USA. [4.3.8]
- C. H. SPIEGELMAN: Department of Statistics, Texas A&M University, College Station, TX 77843, USA. [8.4, 8.5]
- J. W. STEEDS: H. H. Wills Physics Laboratory, University of Bristol, Tyndall Avenue, Bristol BS8 1TL, England. [4.3.7]
- Z. SU: Digital Equipment Co., 129 Parker Street, PKO1/C22, Maynard, MA 01754-2122, USA. [8.7]
- P. SUORTTI: Department of Physics, PO Box 9, University of Helsinki, FIN-00014 Helsinki, Finland. [7.4.4]
- R. TAYLOR: Cambridge Crystallographic Data Centre, 12 Union Road, Cambridge CB2 1EZ, England. [9.5, 9.6]
- N. J. TIGHE: 42 Lema Lane, Palm Coast, FL 32137-2417, USA. [3.5]
- V. VALVODA: Department of Physics of Semiconductors, Faculty of Mathematics and Physics, Charles University, Ke Karlovu 5, 121 16 Praha 2, Czech Republic. [4.1]
- P. VILLARS: Intermetallic Phases Databank, Postal Box 1, CH-6354 Vitznau, Switzerland. [9.3]
- J. WANG: Department of Chemistry, Queen's University, Kingston, Ontario, Canada K7L 3N6. [4.3.3]
- D. G. WATSON: Cambridge Crystallographic Data Centre, 12 Union Road, Cambridge CB2 1EZ, England. [9.5, 9.6]
- M. J. WHELAN: Department of Materials, University of Oxford, Parks Road, Oxford OX1 3PH, England. [4.3.2]
- B. T. M. WILLIS: Chemical Crystallography Laboratory, University of Oxford, 9 Parks Road, Oxford OX1 3PD, England. [2.5.2, 3.6, 4.4.6, 5.5, 6.1.3, 7.4.2, 8.6]
- †A. J. C. WILSON. [1.4, 3.3, 5.1, 5.2, 7.5, 9.7]
- †P. M. DE WOLFF. [7.1.1, 9.8]
- †B. B. ZVYAGIN. [4.3.5]

† Deceased.

† Deceased.