

research group, the graduates of which now hold positions all over the world, became a Fellow of Queens' College, and was renowned at both Departmental and College level for his teaching and lecturing. He also served as British Co-editor of *Acta Crystallographica* from 1969 to 1980, processing a phenomenal number of papers with care, knowledge and not a little tact! Peter was very active in College life being, at various times, Junior Bursar, Senior Bursar and Director of Studies in Natural Sciences at Queens'. He was made a Life Fellow when he retired in 1988. On his retirement Peter joined the Crystallographic Data Centre part-time as the Senior Database Editor who 'sorted out' the more complex problems that arose during the CCDC's checking process, leaving only a couple of years ago due to failing health. His contribution at the CCDC was immense, due to his infectious enthusiasm and deep knowledge of his subject.

As a person, Peter was both a very private man, who delighted in his family and the progress of his grandchildren, and also an engaging and humorous companion with an endless capacity to surprise. He always detected and laughed at the absurdities of life, and debunked anything pompous or pretentious. He had a lifelong interest in many sports and played cricket enthusiastically (and extremely capably – as this bowler rapidly came to know!) well into his fifties. Peter was a wonderful colleague and friend and many areas of life are the poorer for his passing.

FRANK ALLEN

## Software Reviews

Software for review in this section should be submitted directly to the Software-Review Editor (P. S. White, Department of Chemistry, CB#3290 Venable Hall, University of North Carolina, Chapel Hill, NC 27599-3290, USA).

Lists of software presented and/or reviewed in the *Journal of Applied Crystallography* are available on the World Wide Web at <http://www.iucr.ac.uk/journals/jac/software/>, together with information about the availability of the software where this is known.

*J. Appl. Cryst.* (1997). **30**, 568

### ORTEP-3 for Windows – a version of ORTEP-III with a Graphical User Interface (GUI)

LOUIS J. FARRUGIA. Available from the author (e-mail: [louis@chem.gla.ac.uk](mailto:louis@chem.gla.ac.uk); WWW: <http://www.chem.gla.ac.uk/~louis/ortep3>). Version 1.0 Beta, 1997. Free.

ORTEP-3 [L. J. Farrugia (1997). *J. Appl. Cryst.* **30**, 565] is a useful GUI for the latest version of the venerable ORTEP

program, the standard program for the preparation of thermal ellipsoid drawings of crystal structures. Mastering the preparation of the input to ORTEP has always been something of a challenge for students, especially as familiarity with programming and data input has decreased as a result of the spread of 'user friendly' crystallographic software. ORTEP-3 provides a Windows interface, with reasonably intuitive point-and-click commands to generate ORTEP drawings, and facilitates labeling, rotation, and the preparation of stereo and packing drawings as well as all the other features available in ORTEP-III. One of the best features is the preparation of a standard ORTEP-III input file, which can be edited to achieve effects that might be difficult to produce directly with the ORTEP-3 program, such as final tweaking of packing drawings. As the authors admit in the instruction manual, ORTEP-3 can be slow, and it certainly is on the lower end of the spectrum of PCs on which it runs. However, on a 90 MHz Pentium, the speed of execution is quite acceptable, and even for ORTEP users who are familiar with the preparation of input files, ORTEP-3 can be a significant time saver.

CHARLES L. BARNES

Department of Chemistry  
University of Missouri  
Columbia MO 65211  
USA

## Books Received

The following books have been received by the Editor. Brief and generally uncritical notices are given of works of marginal crystallographic interest; occasionally, a book of fundamental interest is included under this heading because of difficulty in finding a suitable reviewer without great delay.

*J. Appl. Cryst.* (1997). **30**, 568

**Synchrotron radiation techniques in industrial, chemical and materials science.** Edited by K. L. D'AMICO, L. J. TERMINELLO and D. K. SHUH. Pp. viii + 259. New York: Plenum Publishing Corporation, 1996. Price US \$89.50. ISBN 0-306-45389-4. This contains proceedings of two American Chemical Society symposia (Washington, DC, August 1994 and Chicago, IL, August 1995) devoted to the title topic. Their intent was 'to present a broad overview of several current topics in industrial, chemical and materials-based SR research to a chemically inclined audience'.

**X-ray and neutron dynamical diffraction, theory and applications.** Edited by A. AUTHIER, S. LAGOMARSINO and B. K. TANNER. Pp. ix + 419. New York: Plenum Publishing Corporation, 1996. Price

US \$125.00. ISBN 0-306-45501-3. This volume collects the proceedings of the eponymous 23rd International Course of Crystallography, a NATO Advanced Study Institute, held in Erice, Sicily in April 1996. The first part reviews the basic principles of dynamical diffraction by perfect and nearly perfect crystals, the second deals with diffraction topography, the third with X-ray standing waves, the fourth with the theory and applications of high-resolution diffractometry, the fifth with multiple-beam diffraction and the sixth with X-ray and neutron interferometry.

**Quasicrystals. A primer.** (Second edition.) By C. JANOT. Pp. xvi + 409. Oxford: Clarendon Press, 1995. Price £49.50. ISBN 0-19-851778-5. A review of this book, by W. Steurer, has been published in the July 1997 issue of *Acta Crystallographica Section A*, page 526.

**Industrial crystallization – Process simulation, analysis and design.** By N. S. TAVARE. Pp. xxviii + 527. New York: Plenum Publishing Corporation, 1995. Price US \$95.00. ISBN 0-306-44861-0. A review of this book, by J. Nyvlt, has been published in the July 1997 issue of *Acta Crystallographica Section A*, pages 527–528.

**Atomic and ion collisions in solids and at surfaces.** Edited by ROGER SMITH. Pp. ix + 309. Cambridge University Press, 1997. Price £45.00 (US \$69.95). ISBN 0-521-44022-X. A review of this book, by D. Jacobs, has been published in the July 1997 issue of *Acta Crystallographica Section A*, page 528.

**Collected works of Dorothy Crowfoot Hodgkin.** Vol. I. **Insulin.** Vol. II. **Cholesterol, penicillin and other antibiotics.** Vol. III. **General crystallography and essays.** Edited by G. G. DODSON, J. P. GLUSKER, S. RAMASESHAN and K. VENKATESAN. Pp. cxliii + 2230. Bangalore: Indian Academy of Sciences, 1996. Price US \$120 (individual vols. US \$40). ISBN 81-7296-029-4. A review of this book, by E. Baker, has been published in the July 1997 issue of *Acta Crystallographica Section A*, pages 528–530. Copies of these books can be ordered from: The Indian Academy of Sciences, C. V. Raman Avenue, Post Box No. 8005, Sadashivanagar P. O., Bangalore 560 080, India; The British Crystallographic Association, Professor J. A. K. Howard, Department of Chemistry, University of Durham, South Road, Durham DH1 3LE, England; or Polycrystal Book Service, 425 Dayton Towers Drive, No. 12F, Dayton, OH 45410, USA.