

ACA MEETING CRYSTALLIZES IN ALBUQUERQUE

The 1993 meeting of the American Crystallographic Association will be held from Sunday, 23 May, to Friday, 28 May, at the Albuquerque Convention Center in New Mexico.

A slate of more than 200 speakers has been scheduled. The topic of the ACA Transactions Symposium this year is time-of-flight diffraction at pulsed neutron sources. Regular scientific sessions will cover work in the areas of amorphous materials, applied crystallography, biological macromolecules, crystallographic computing, fiber diffraction, neutron scattering, small molecules and synchrotron radiation. Other sessions will explore data collection and apparatus, standards and publications.

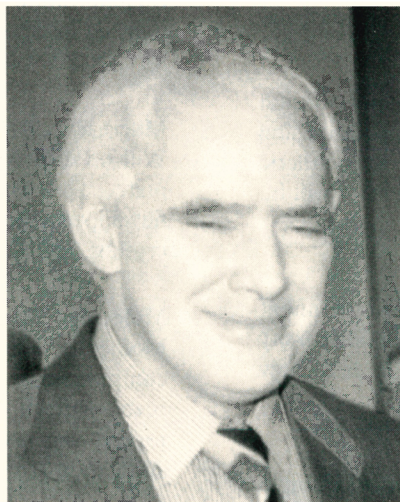
Of note is a memorial session for William Parrish, entitled "Advances in Powder Diffraction," and special sessions on applications of topology to crystallography and on zeolites and microporous solids. New this year is a poster preview session, to be held on Monday, at which presenters will summarize their posters in 3-minute talks.

Meeting attendees may wish to show up early for a workshop on biomolecular interactions sponsored by ACA and the Molecular Graphics Society on Saturday and Sunday, 22-23 May. The workshop covers practical computational approaches.

The young scientists special interest group is organizing an evening lecture by a senior researcher as well as social events for both young and senior members of ACA.

Patterson Award

ACA will give the 1993 Patterson Award to George M. Sheldrick of Göttingen University, in Germany, for "his development of the algorithms and software that are widely used in crystal structure determination and refinement." Sheldrick's



George M. Sheldrick

public-domain programs SHELX76, SHELX86 and SHELX92, as well as the proprietary versions of his SHELXTL program, are used to solve and refine the structures of small-molecule crystals. (Small molecules have fewer than 200 atoms, not counting hydrogen, in the asymmetric unit.) Sheldrick also has developed phase annealing methods to increase the radius of convergence of direct methods of structure determination and has applied direct methods and Patterson interpretation to native protein data.

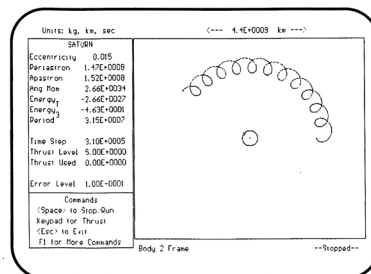
Sheldrick earned his PhD in inorganic chemistry from Cambridge University in 1966. He was a university lecturer there until 1978, when he was appointed to a chair of inorganic chemistry at Göttingen.

The American Institute of Physics is running an equipment exhibit at the ACA meeting. Twenty companies will be on hand to display products and services of use in crystallographic research. Show hours are Monday, 10 am to 8 pm; Tuesday, 9 am to 8 pm; Wednesday, 9 am to 1 pm; and Thursday, 9 am to 4 pm.

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