

Je remercie Messieurs Capponi & Chenavas pour l'aide apportée lors de la conception de ce montage.

R. ARGOUD

*Laboratoire de Cristallographie
Centre National de la Recherche
Scientifique
Laboratoire associé à l'USMG
166 X
38042 Grenoble CEDEX
France*

(*Reçu le 15 avril 1985,
accepté le 5 juin 1985*)

Crystallographers

J. Appl. Cryst. (1985). 18, 544

This section is intended to be a series of short paragraphs dealing with the activities of crystallographers, such as their changes of position, promotions, assumption of significant new duties, honours, etc. Items for inclusion, subject to the approval of the Editorial Board, should be sent to the Executive Secretary of the International Union of Crystallography (J. N. King, International Union of Crystallography, 5 Abbey Square, Chester CH1 2HU, England).

Alan N. Holden, physicist and chemist, retired from AT&T Bell Laboratories, died on 20 August 1985. Born in New York City in 1904, he graduated from Harvard in 1925 with a BS in physics and mathematics. Dr Elizabeth A. Wood writes that, during his thirty-five years at Bell Laboratories, he developed methods for growing large high-quality crystals from solution for communications applications. Among these were ethylene diamine tartrate ('EDT') and ammonium dihydrogen phosphate ('ADP'), both subsequently produced in quantity by the Western Electric Company. He wrote eight books, including *Crystals and Crystal Growing*, which is full of specific recipes for growing good single crystals, *Conductors and Semiconductors*, *The Nature of Solids*, and *Shapes, Space and Symmetry*. His most recent book, *Orderly Tangles*, published by Columbia University Press in 1983, deals primarily with 'polylinks' or symmetrical three-dimensional structures of interlocking polygons made of wooden dowels but also analyzes such orderly tangles as highway cloverleaves and the 'cat's cradle' string construction. Alan was extraordinarily knowledgeable in a wide range of fields, particularly physics, chemistry, mathematics, literature and music. His intellectual depth and breadth were truly rare.

James Clare Speakman died on 30 April 1985 in Glasgow, Scotland, aged 78. He earned his BSc degree in 1928 and his PhD in 1930 at Sheffield University, where he became Assistant Lecturer in 1930 and Lecturer in 1934. He moved to Glasgow University in 1946 and was promoted to Senior Lecturer in 1952 and Reader in 1966. Professor George A. Sim writes that Jim Speakman's research began under the supervision of Samuel Glasstone: from 1930 until about 1950 he published a number of papers on the dissociation constants of organic acids and other properties of electrolyte solutions. A 1945 paper in *Nature* on acid salts of organic acids as pH standards provides a link with his later crystallographic research. Jim came to a thriving school of X-ray crystallography in Glasgow, led by J. M. Robertson, where he took the opportunity of studying the crystal structures of the acid salts of organic carboxylic acids. This work developed into a major enthusiasm which persisted until shortly before his death. The University system required him to retire from his teaching post in 1973 at the age of 65 but he remained active as a Senior Research Fellow, working as keenly as before, until his health deteriorated in 1984. The carboxylic acid salts were found to have interesting short symmetrical or nearly symmetrical hydrogen bonds and their careful and detailed examination gave him international recognition as an authority on hydrogen bonding. He authored several well-known textbooks, including *Molecular Structure, the Physical Approach* in collaboration with J. C. D. Brand, and subsequently with J. K. Tyler. He was an excellent teacher who expected and obtained high standards from his students. Away from Science, his interests spanned music, hill-walking, tennis and, reflecting his Yorkshire roots, cricket. He is sorely missed.

Dr William R. Busing, Chemistry Division, Oak Ridge National Laboratory, PO Box X, Oak Ridge, TN 37830, USA, is the first recipient of the Martin J. Buerger Award of the American Crystallographic Association, for his many contributions to the theory and practice of data analysis and data collection in crystal structure studies and in the modelling of molecules and crystals using potential energy functions. The purpose of the award is to recognise a mature scientist who has made contributions of exceptional distinction in areas of interest to the ACA.

International Union of Crystallography

J. Appl. Cryst. (1985). 18, 544–545

Prices of *Acta Crystallographica* and *Journal of Applied Crystallography*

The Executive Committee of the International Union of Crystallography is pleased that it has not been necessary to increase the subscription rates and the prices of back numbers for *Acta Crystallographica* and *Journal of Applied Crystallography* as from 1 January 1986.

Acta Crystallographica

The following rates will apply for volumes A42, B42 and C42 (1986). All subscription rates are fixed in Danish kroner. The US dollar equivalents are no longer given because of rapid fluctuations in exchange rates.

Complete volumes, regular price per volume

Sections A, B & C (combined subscription)	Dkr 5250
Section A only	Dkr 1275
Section B only	Dkr 1275
Section C only	Dkr 3000

Complete volumes, reduced price for individuals

Sections A, B & C (combined subscription)	Dkr 1450
Section A only	Dkr 350
Section B only	Dkr 350
Section C only	Dkr 850

All subscribers in the USA and Canada should add to the above subscription rates the additional charges for air-freighting as mentioned below.

The reduced-rate subscriptions are ordinarily only available to members of recognized scientific societies, and applications must be accompanied by a written undertaking that the journal is for the personal use of the subscriber and will not be made available to libraries, institutions, etc. These conditions also apply to persons wishing to order back numbers at the reduced rates.

Single parts

The price of single parts of any Section of Volume 42 (1986) is Dkr 320.

Journal of Applied Crystallography

The following rates will apply for Volume 19 (1986). All subscription rates are fixed

in Danish kroner. The US dollar equivalents are no longer given because of rapid fluctuations in exchange rates.

Complete volumes, regular price per volume Dkr 1275

Complete volumes, reduced price for individuals Dkr 400

All subscribers in the USA and Canada should add to the above subscription rates the additional charge for air-freighting as mentioned below.

The same conditions apply to reduced-rate subscriptions as in the case of *Acta Crystallographica* (see above).

Single parts

The price for single parts of Volume 19 (1986) is Dkr 320.

Airfreighting of copies to the USA and Canada

Deliveries of *Acta Crystallographica* and *Journal of Applied Crystallography* to the USA and Canada in 1986 will continue to be by air-freight to New York and thence by second class mail. The use of this service is obligatory for all subscribers in those countries. The charges in Danish kroner are as given below.

Acta Crystallographica

Sections A, B & C (combined subscription)	Add Dkr 380
Section A only	Add Dkr 90
Section B only	Add Dkr 90
Section C only	Add Dkr 220

Journal of Applied Crystallography

Add Dkr 70

Prices of back numbers

Acta Crystallographica

Complete volumes, regular price per volume

Vols. 1-23	Dkr 1275
Combined	
Vols. 24-38	Dkr 4600
Combined	
Vols. 39-41	Dkr 5250
Vols. A24-A41	Dkr 1275
Vols. B24-B38	Dkr 3500
Vols. B39-B41	Dkr 1275
Vols. C39-C41	Dkr 3000

Complete volumes, reduced price for individuals

Vols. 1-23	Dkr 350
Combined	
Vols. 24-38	Dkr 1300
Combined	
Vols. 39-41	Dkr 1450
Vols. A24-A41	Dkr 350
Vols. B24-B38	Dkr 1050
Vols. B39-B41	Dkr 350
Vols. C39-C41	Dkr 850

Single parts

Single parts of Volumes 1-23 are not available. The price of single parts of any Section of other volumes is Dkr 320.

Cumulative Indexes, regular price

Vols. 11-23 (1958-1967)	Dkr 120
Vols. 24-28 (1968-1972)	Dkr 120
Vols. 29-38 (1973-1982)	Dkr 150

Cumulative Indexes, reduced price for individuals

Vols. 11-23 (1958-1967)	Dkr 60
Vols. 24-28 (1968-1972)	Dkr 60
Vols. 29-38 (1973-1982)	Dkr 75

A few copies of the cumulative index for Volumes 1-10 (1948-1957) are also available, free of charge.

Journal of Applied Crystallography

Complete volumes, regular price per volume

Vols. 1-18 Dkr 1275

Complete volumes, reduced price for individuals

Vols. 1-18 Dkr 400

Single parts

The price of single parts is as follows:

Vols. 1-18 Dkr 320

Orders

Orders for *Acta Crystallographica* and *Journal of Applied Crystallography* may be addressed to Munksgaard, International Publishers Ltd., 35 Nørre Søgade, DK-1370 Copenhagen K, Denmark. Orders from subscribers in North America may alternatively be placed through Polycrystal Book Service, PO Box 27, Western Springs, Ill 60558, USA.

J. Appl. Cryst. (1985), 18, 545-546

Union Sponsorship and Financial Support for International Meetings

Organisers of international meetings and schools are invited to seek sponsorship and financial support from the International Union of Crystallography.

The procedure to be followed is that the organisers should request the appropriate questionnaire from the Chairman of the IUCr Calendar Sub-Committee (Professor M. Nardelli, Istituto di Chimica Generale ed Inorganica, Università di Parma, Via M. D'Azeglio 85, 43100 Parma, Italy) to whom it should be returned. This Sub-committee makes its recommendation to the IUCr Executive Committee, which takes the final decision. This procedure takes not less than three months and therefore application should be made as early as possible.

In making an application for sponsorship, the meeting organisers should emphasize the international character of the meeting and give guarantees about the attendance of bona fide scientists from all countries. In addition to normal financial support for these meetings there is the possibility of extra finance to assist the attendance of young scientists.

The Union publishes a Calendar of Meetings in its journal, the *Journal of Applied Crystallography*. Notices of new meetings for inclusion in this list, giving the dates, location and title of the meetings, a few sentences describing the topics covered, and the name and address of the person from whom further information may be obtained, should be sent as soon as these details are known to Dr J. N. King, Executive Secretary, International Union of Crystallography, 5 Abbey Square, Chester CH1 2HU, England.

The questions asked in the Calendar Sub-Committee questionnaire are given below. It is most helpful if all these questions can be answered as fully as possible.

1. Dates and location

2(a) Subject

- (b) Last meeting with a similar programme
- (c) Titles of Topics
- (d) Titles of Invited Papers (if available)

3(a) Names of local organisers

- (b) Name and address of the individual to contact for information

4(a) Expected budget total

- (b) Origin of income

(c) Conference fee

5. Expected number of participants

- (a) local

- (b) non-local