

# Errata

## X-Ray Powder Diffraction Data of a New Compound



By Robert Hausner

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The following entries, omitted in the original publication of the above article, should be entered in Table 2.

1.919	74	620, 713	47.341
1.987	2	622	47.919

In the data entry, Table 2, beginning 1.634 the bar above the 114 entry was incorrectly positioned. It should  $\bar{1}14$ .

## Powder Diffraction Data for Nitroguanidine, $\text{C}(\text{NH}_2)_2\text{NNO}_2$

By E.K. Vasil'ev, A.N. Sapozhnikov, Z.A. Dobronravova and  
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The entire concluding paragraph, part of which was missing in the original publication of this article, and the reference listings, also missing, are given below:

Compared to PDF 7-634, which was obtained by camera methods, the data in Table 2 are of higher precision and accuracy (from the use of an internal standard) in interplanar spacings, cover a wider range and contain additional weak and moderate intensity reflections.

### References

- Bryden, J.H., Burkardt, L.A. & Hughes, E.W. (1956). *Acta. Crystallogr.* 9, 573-578.  
Bulusu, S., Dudley, R.L. & Antera, E.W. (1987). *Magn. Res. Chem.* 25, 234-239.  
Choi, C.S. (1981). *Acta. Crystallogr.* B37, 1955-1957.  
Davis, T.L., Ashdown, A.A. & Couch, H.R. (1925). *J. Amer. Chem. Soc.* 47, 1063.  
Doll, J. & Grison, E. (1948). *Compt. Rend.* 226, 679.  
McCrone, W.C. (1951). *Anal. Chem.* 23, 205-206.  
Soldate, A.M. & Noyes, R.M. (1947). *Anal. Chem.* 19, 442-444.

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### Dr. William M. Fink

We regret to announce the death of William M. Fink, one of the founders of the International Centre for Diffraction Data. Dr. Fink died April 2, 1992, at the age of 95.

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## International Report

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### Regional Correspondents

#### Australia

Mr. Tony Raftery, Dept. of Physics,  
Queensland Institute of Technology,  
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#### Czechoslovakia

Dr. Jaroslav Fiala, Central Research Inst.,  
SKODA, 31600 Plzeň, Czechslovakia

#### Japan

Hideo Toraya, Ceramics Research Laboratory,  
Nagoya Institute of Technology,  
Asahigaoka, Tajimi 507 Japan

**Results of Election of Officers and Directors  
JCPDS–International Centre for Diffraction Data**

**March 1992**

Chairman – Gerald G. Johnson, Jr.

Vice Chairman – Jan W. Visser

Treasurer – Gerhard R. Fischer

Chairman, Technical Committee – Ting C. Huang

Members-at-Large, Board of Directors

Thomas N. Blanton

Walter Eysel

James A. Kaduk

Melvin H. Meuller

Robert L. Snyder

Past Chairman – Ludo K. Frevel

**Daniel Louër to Receive the J.D. Hanawalt Award**

The JCPDS–International Centre for Diffraction Data takes pleasure in announcing that Professor Daniel Louër, Université de Rennes I, Rennes, France, has been selected to receive the J.D. Hanawalt Award for excellence in the field of powder diffraction. The presentation of the award will take place at the European Powder Diffraction Conference, EPDIC-2, Enschede, The Netherlands, July–August 1992.



## Calendar of Meetings

### 1992

**ICDD Clinic on X-Ray Powder Diffraction**

**June 1992 Fundamentals**

**June 1992 Advanced Techniques**

**Swarthmore College, Swarthmore, Pennsylvania, USA.**

The ICDD X-Ray Clinics are the continuation of the SUNY Clinics which, for some twenty-five years, were held at the State University of New York at Albany. The ICDD assumed responsibility for these clinics in 1990. The Clinic is presented in two separate week-long sessions, each of which stands alone as a complete course.

Contact: Mario Fornoff, ICDD X-Ray Clinic, International Centre for Diffraction Data, 1601 Park Lane, Swarthmore, PA 19081, USA. Phone (215) 329-9400, FAX (215) 328-2503

**Symposium Roentgendiffraktometrie in der  
Materialwissenschaft**

**June 25-26, 1992**

**Freiberg/Sachsen, Germany**

Contact: Simone Neubert, Freiburger Präzisionsmechanik GmbH, Hainichener Strasse 2 a, O-9200 Freiberg, Germany.

**ICDD Clinic on X-Ray Fluorescence Spectroscopy**

**July 1992 Fundamentals**

**July 1992 Advanced Techniques**

**Swarthmore College, Swarthmore, Pennsylvania, USA**

Details and Contact: Same as ICDD Clinic on X-Ray Powder Diffraction (above).

**Second European Powder Diffraction Conference  
(EPDiC2)**

**July 30–August 1, 1992**

**University of Twente, The Netherlands**

Contact: Chairman Scientific Program: Prof. Dr. E. Tillmans, Institute für Mineralogie und Kristallographie der Universität Wien, or Chairman Organizing Committee: Dr. T. W. Ryan,

Philips Analytical, Lelyweg 1, 7602 EA Almelo, The Netherlands, phone +31 5490 39443.

This meeting, intended as a forum for all European powder diffractionists, is scheduled to be held at the University of Twente, between Hengelo and Enschede, in the beautiful eastern part of the Netherlands, preceding the 14th European Crystallographic Meeting (ECM-14), August 3-7, 1992, at the same location. All practical and theoretical aspects of powder diffraction are welcome. The subjects of Glass and amorphous substances, Electron diffraction, Thin films, Synchrotron radiation, Stress analysis, and Structure determination from powder data will be highlighted.

**14th European Crystallographic Meeting (ECM-14)**

**August 2-7, 1992**

**Enschede, The Netherlands**

Contact: ECM-14, Dr. H.J. Bruins Slot, Secretary, CAOS/CAMM Center, University of Nijmegen, Toernooiveld, 6525 ED Nijmegen, The Netherlands

**1992 Annual Denver Conference on Applications of  
X-Ray Analysis**

**August 3-7, 1992**

**Colorado Springs, Colorado, USA**

Contact: Lynne Bonno, Conference Secretary, Department of Engineering, University of Denver, Denver, CO 80208, USA. Phone (303) 871-3515.

Special sessions include the Plenary Session on Grazing Incidence X-ray Characterization of Materials, Low Atomic Number XRF (Be-F) and Chemical State Analysis, On-Line Application of X-ray Analysis, Applications of XRF to Industrial Processes, Imaging/Tomography, Applications of Total Diffraction Patterns, High Temperature Non-ambient X-ray Diffraction, Polymer Diffraction, and X-ray Stress Analysis. Tutorial Workshops (1/2 day unless otherwise noted) scheduled are Calibration and Maintenance of X-ray Spectrometers; XRF Sample Preparation (one day); Use of Pure Intensities for XRF Math Corrections; X-ray Microbeam Imaging and Analysis; Alignment and Calibration of Diffractometers;

XRD Sample Preparation and Presentation (Including Films); Production of High Quality Experimental and Reduced Powder Patterns; Polymer Diffraction, SAXS; X-ray Characterization of Thin Films (one day); High Temperature XRD; and Use of Parallel-beam Optics for XRD.

### **XVth Conference on Applied Crystallography**

**August 9-12, 1992**

**Cieszyn, Poland**

The conference is organized by the Institute of Physics and Chemistry of Metals at the Silesian University in Katowice jointly with the Institute of Ferrous Metallurgy in Gliwice and with the support of the Crystallography Committee of the Polish Academy of Sciences. The scientific program includes the following topics: (1) real structure of materials (metals, ceramics, polymers, etc.), and (2) research methods and equipment (phase identification, precision measurement of lattice constants, determination of crystallite sizes and distortions, texture, high temperature X-ray techniques, small-angle scattering, X-ray topography, etc.)

Contact: Dr. Danuta Stroz, Conference Secretary, Uniwersytet Slaski, Instytut Fizyki i Chemii Metali, ul. Bankowa 12, 40-007 Katowice, Poland.

### **American Crystallographic Association 1992 Meeting**

**August 9-14, 1992**

**Pittsburgh, Pennsylvania, USA**

Contact: Marcia J. Vair, ACA, PO Box 96, Ellicott Station, Buffalo, NY 14205-0096, USA.

### **Rietveld Summer School**

**August 13-15, 1992**

**Cieszyn, Poland**

The school is organized by the Commission on Powder Diffraction, IUCr, Silesian University (Katowice, Poland), and the Institute of Ferrous Metallurgy (Gliwice, Poland) with the financial support of the International Union of Crystallography and will be held just after the closing of the XVth Conference on Applied Crystallography. The school will consist of lectures and practical training.

Contact: Dr. Danuta Stroz, Conference Secretary, Uniwersytet Slaski, Instytut Fizyki i Chemii Metali, ul. Bankowa 12, 40-007 Katowice, Poland.

### **Issues and Controversy: The Measurement of Crystalline Silica**

**August 20-21, 1992**

**Boston, Massachusetts, USA**

The meeting is sponsored by the Chemical Manufacturers Association/CHEMSTAR Crystalline Silica Panel.

Contact: Elizabeth Gormley, 2501 M Street, NW, Washington, DC 20037. Fax: 202-887-1237.

### **International Seminar on Structural Investigations at Pulsed Neutron Sources**

**September 1-4, 1992**

**Dubna, Moscow region, Russia**

Two sections are scheduled: TOF-Diffractometry (performing an experiment on a high resolution diffractometer, de-

veloping the Fourier diffractometry technique, time resolved experiments, transition processes, real crystal structures) and Small Angle Neutron Scattering.

Contact: Dr. Yu. V. Taran, Laboratory of Neutron Physics of the Joint Institute for Nuclear Research, 141980 Dubna, Moscow region, Russia.

### **International Centre for Diffraction Data Fall Technical Meetings**

**October 21-22, 1992**

**Concordville, Pennsylvania, USA**

Contact: Ms. Josephine Felizzi, JCPDS-International Centre for Diffraction Data, 1601 Park Lane, Swarthmore, PA 19081, USA. Phone (215) 328-9403.

### **First Crystallography Conference of the Asian Crystallographic Association**

**November 13-16, 1992**

**Singapore**

Contact: Conference Organization: Professor N. Kasai, Applied Chemistry, Osaka University, 2-1 Yamadoka Suite, Osaka 565, Japan. Scientific Programme: Dr. E. N. Maslen, Crystallographic Centre, University Centre, University of Western Australia, Nedlands 6009, WA, Australia.

### **Materials Research Society Fall Meeting**

**November 30-December 4, 1992**

**Boston, Massachusetts, USA**

Contact: M. Geil, Materials Research Society, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237, USA. Phone (412) 367-3003; FAX (412) 367-4373.

## **1993**

### **International Centre for Diffraction Data Spring Technical Meetings and Annual Meeting**

**March 17-18, 1993**

**Concordville, Pennsylvania, USA**

Contact: Ms. Josephine Felizzi, JCPDS-International Centre for Diffraction Data, 1601 Park Lane, Swarthmore, PA 19081, USA. Phone (215) 328-9403.

### **British Crystallographic Association Spring Meeting**

**March 29-April 2, 1993**

**Manchester, England**

Contact: Dr. B. Beagley, Department of Chemistry, UMIST, PO Box 88, Manchester M60 1QD, England

### **Materials Research Society**

**May 17-22, 1993**

**Anaheim, California, USA**

Contact: M. Geil, Materials Research Society, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237, USA. Phone (412) 367-3003; FAX (412) 367-4373

**1993 Annual Meeting of the American Crystallographic Association**

**May 23-28, 1993**

**Albuquerque, New Mexico, USA**

Contact: Allen Larson, LANSCE-89-025, A805, Los Alamos National Laboratory, Los Alamos, NM 87455, USA

**International Conference for Applied Mineralogy**

**May 31-June 2, 1992**

**Workshops June 3-4, 1993**

**Perth, Western Australia**

Topics to be covered at this Conference will include Mineralogy in Mineral Processing; Industrial Applications of Mineralogy; Mineralogy in Ceramics and Refractories; Mineralogy in Exploration; Transmission Electron Microscopy and Diffraction; Image Analysis; Quantitative XRD; Forensic Science; Ancillary Techniques—FTIR, TG/DTA, XPS, Mossbauer, Etc.; Gemmology; and Minerals and Disease.

Contact: Secretary, ICAM'93, Congress West, PO Box 1248, West Perth, WA 6005, Australia

**Sixteenth IUCr General Assembly and International Congress of Crystallography**

**August 21-29, 1993**

**Beijing, People's Republic of China**

**Tenth International Conference on Textures of Materials**

**September 20-24, 1993**

**Clausthal, Germany**

All problems related to crystal orientation in polycrystalline materials of any kind (*e.g.*, in materials sciences, earth sciences, etc.) will be addressed (determination of pole figure, calculation and representation of ODF, MODF and other textural characteristics, texture formation, texture-properties correlations, and technological applications of texture studies).

Contact: Institute für Metallkunde and Metallphysik der TU, ICOTOM 10, Grosser Bruch 23, D-3392 Clausthal-Zellerfeld, Germany.

**AXAA-93 Solutions to Everyday Problems**

**September 26-October 2, 1993**

**University of Queensland**

**Brisbane, Queensland, Australia**

Contact: The Convenor, AXAA93-Solutions to Everyday Problems, PO Box 6198, Upper Mount Gravatt, Queensland, Australia 4122

## Meeting Reports

**The 1991 Fall Meeting of the Materials Research Society**

**Boston, Massachusetts, USA**

**December 2-6, 1991**

**Reported by Winnie Wong-Ng, National Institute of Standards and Technology**

Following the past tradition, the 1991 Materials Research Society (MRS) Fall Meeting again took place at the Copley Square Compound of Boston. Nearly 4000 attendees gathered at the Marriott and the Westin Hotels for a five-day intensive meeting. A comprehensive program was coordinated by nearly 100 symposium organizers. Because of the multidisciplinary nature of the MRS, the program covered a wide spectrum of materials research and featured some 2700 technical papers. It was an informative and exciting meeting.

A total of 26 symposia were offered on topics ranging from traditional basic science to new frontiers and nonconventional topics: materials preparation and modification, theory and design, processing, thin films and interfaces, electronic materials, high temperature superconductors, optical materials and organic materials.

Three major poster sessions were held in the evenings. These were popular sessions for attendees to discuss scientific research on the forefront, exchange ideas and meet new people. Snacks and beverages were also served during these gatherings which made them even more attractive. These sessions often finished late at night.

The special events of the meetings included the Plenary presentation on "U. S. Science Policy for the 1990s" given by Dr. A. Bromley, Assistant to the President for Science and Technology; the presentation of the Von Hippel Award to T.H. Geballe of Stanford University, and the presentations of the MRS Medal to S. Somiya and B.S. Meyerson. The late news session highlighted the recent observations of visible luminescence at room temperature from highly porous Si.

The MRS comprehensive short course program was held in parallel with the MRS meeting at the same location. A total of 21 courses designed for continuing education and featuring the latest developments in material science were offered. These courses often complemented the symposium topics. They included specialty courses with in-depth instruction and survey courses on fundamental topics in the areas covering advanced materials, preparation, fabrication, characterization and techniques.

This meeting also featured a large scale analytical and processing equipment exhibit which also complemented the technical symposia. Among the approximately 130 representatives were ICDD and several X-ray diffraction equipment manufacturers. The MRS book exhibit this year featured a sale of past symposia proceedings which attracted quite a few buyers.

This successful meeting concluded on Friday afternoon amidst a holiday atmosphere and a dusting of snow.