

award recognized Dr Karle for his discoveries relative to the structure of materials with diffractive methods and for his engagement to promote international scientific collaboration above any ideological-political-racial barrier.

Professor **Clifford G. Shull**, Emeritus Professor at MIT, Cambridge, MA, USA, and Professor **Bertram N. Brockhouse**, Emeritus Professor of Physics at McMaster University, Hamilton, Ontario, Canada, have jointly been awarded the 1994 Nobel Prize in Physics for their pioneering contributions to the development of neutron scattering techniques for studies of condensed matter.

Professor **M. Vijayan**, Professor of the Molecular Biophysics Unit and Chairman of the Division of Biological Sciences, Indian Institute of Science, Bangalore, India, was awarded the Professor G. N. Ramachandran 60th Birthday Commemoration Medal of the Indian National Science Academy in December 1994 for his outstanding contributions to biological crystallography

New Commercial Products

Announcements of new commercial products are published by the Journal of Applied Crystallography free of charge. The descriptions, up to 300 words or the equivalent if a figure is included, should give the price and the manufacturer's full address. Full or partial inclusion is subject to the Editor's approval and to the space available. All correspondence should be sent to the Editor, Dr A. M. Glazer, Editor Journal of Applied Crystallography, Clarendon Laboratory, University of Oxford, Parks Road, Oxford OX1 3PU, England. The International Union of Crystallography can assume no responsibility for the accuracy of the claims made. A copy of the version sent to the printer is sent to the company concerned.

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Domestic Source for β -Barium Borate (BBO)

After three years of development, INRAD has begun full scale production of **single-crystal β -barium borate (BBO)**. This important nonlinear crystal offers several advantages such as a broad phase-matchable range, a large effective nonlinear coefficient and high damage threshold.

This fortunate combination of features makes BBO the optimum choice for doubling of near-infrared high average power lasers. These low UV absorption crystals make harmonic generation possible down to 197 nm. An important application for the defense community and environmental monitoring is optical parametric oscillators for the ultraviolet and near-infrared.

INRAD offers custom cuts over a wide range of sizes, even wafers as thin as 0.1 mm. Crystals can be AR coated and can be supplied in a variety of mounts. Technical staff can help in the selection of the most appropriate cut and configuration to suit customer requirements.

INRAD manufactures crystals, laser components, optical coatings, laser systems and instruments for scientific, defense, aerospace and industrial markets.

INRAD, 181 Legrand Avenue, Northvale, NJ 07647, USA.

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New Temperature-Controlled Harmonic Generator

INRAD introduces the **Heated Crystal Cell and Temperature Control System, Model 5-200**, which is a microprocessor-based unit designed specifically for controlling the temperature of small crystals. The system may be used for maintaining a preset temperature for crystals such as KTP and LiNbO_3 or for temperature tuning with LBO and KNbO_3 . Temperatures can be controlled over a range from 30°C above ambient to 190°C with an accuracy of 0.1°C.

The controller uses a sophisticated algorithm to control the crystal temperature. The power required to maintain the cell at the setpoint temperature is based on a proportional, integral and derivative (PID) servo loop. The system can be configured by the customer to operate over a specified temperature range with an appropriate maximum heating rate for the housed crystal. A bidirectional RS-232 interface is available for direct computer control.

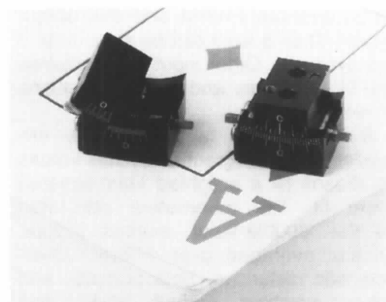
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Tiny Arcs Simplify Positioning

A new line of tiny goniometric arcs that can be mounted in tight spaces to provide angular adjustability for the fine-tune positioning of lasers and other instruments is being introduced by Charles Supper Company, Inc. of Natick, Massachusetts, USA.

Supper UltraMicro Arcs measure only 0.500 (W) \times 0.440 (H) \times 0.750'' (L) (including drive screw) to fit into tight spaces for making final adjustments using an external drive key. Machined from aluminium, black anodized and stamped with white vernier scales, these tiny arcs incorporate either dry or permanently lubricated nonmagnetic stainless steel drive screws and can be used in any orientation.



Supper UltraMicro Arcs

Available with two distinct arc radius verniers, one of the Supper UltraMicro Arcs provides $\pm 15^\circ$ travel with 0.406'' radius and the other has $\pm 15^\circ$ travel with a 0.844'' radius. Both are drilled and tapped for 1–72 cap screws and can be individually mounted or concentrically stacked, achieving a common center.

Supper UltraMicro Arcs sell for US \$410 (list) each and can be supplied stacked for US \$795. Literature is available on request.

Charles Supper Company, Inc., Donald E. Goodwin, Product Manager, 15 Tech Circle, Natick, MA 01760, USA.

Books Received

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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.

Modern crystallography, Vol. 1, Fundamentals of crystals. Symmetry, and methods of structural crystallography. (Second enlarged edition.) By *Boris K. Vainshtein*. Pp. xxii + 480. Berlin: Springer-Verlag, 1994. Price DM 119. ISBN 3-540-56558-2. A review of this book, by Douglas L. Dorset, has been published in the March 1995 issue of *Acta Crystallographica Section A*, pages 234–235.

Crystallographic computing 6. A window on modern crystallography. (IUCr Crystallographic Symposia No. 6.) Edited by *H. D. Flack, L. Párkányi* and *K. Simon*. Pp. x + 130. Oxford: IUCr/Oxford University Press, 1994. Price £40.00. ISBN 0-19-855788-4. A review of this book, by Edward Prince, has been published in the March 1995 issue of *Acta Crystallographica Section A*, page 235.