

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.

Fourier transforms of distributions and their inverses – a collection of tables. By FRITZ OBERHETTINGER, Pp. ix + 167. New York: Academic Press, 1973. Price £8.30 (U.S. \$18.00).

The material in this book originated in a report prepared and submitted by the author to the National Bureau of Standards and sponsored by the Office of Naval Research. It was felt that the information gathered there should be made more widely available. The result is this book, a collection of integrals of the Fourier transform type (including their inverses) involving the class of functions which are non-negative and integrable over the interval $(-\infty, \infty)$. Most of the results have been extracted from information already available but scattered through the literature. An earlier publication by this author (*Tabellen zur Fourier Transformation*, Springer Verlag, 1957) contained many of the Fourier transforms but this volume concentrates mainly

on probability densities. In addition, a number of new examples have been added.

Coherence and quantum optics – Proceedings of the Third Rochester Conference, June 1972. Edited by L. MANDEL and E. WOLF. Pp. xiv. + 913. Figs. 149, New York: Plenum Press, 1973. Price \$45.50.

An international group of authoritative research workers in optical coherence and quantum optics present the latest advances in the field in this unique volume. Concentrating on laboratory findings and their theoretical implications, this volume explores such topics as resonant pulse propagation, lasers, quantum electrodynamics and alternative theories, optical coherence, coherence effects in spontaneous emission, light scattering, optical correlation and fluctuation measurements, coherent light interactions, and quantum noise.