The Fourth, revised Edition of Volume A of International Tables for Crystallography was published in the spring of 1995. A corrected reprint of this edition is presently in the press. Two new features are noteworthy for the fourth edition:

(i) Completion of the space-group-diagram project: all 17 plane groups and 220 space groups now contain new diagrams: also the explanatory diagrams in Section 2.6 were newly done. Special attention is drawn to some new features of the cubic diagrams for which examples will be given.

(ii) In accordance with a recent Nomenclature Report of the IUCr [de Wolff et al., Acta Cryst. (1992). A 48, 727-732] the new graphical symbol $\cdots\cdots\cdots$ for "double" glide planes $e$ oriented “normal” and "inclined" to the plane of projection has been incorporated in 17 centred orthorhombic, tetragonal, and cubic space-groups. The introduction of the glide plane $e$ leads to new symbols for the following five space-groups:

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<tr>
<th>Space-group No.</th>
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<td>Aem2 Aeo2</td>
</tr>
<tr>
<td>41</td>
<td>Cnca Cnna Ccca</td>
<td>Cnca Cnne Cc.</td>
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The implications of these new symbols will be explained.

**International Tables**

**OC.lT.01 STATUS OF VOLUME A: SPACE-GROUP SYMMETRY** Th. Hahn, Institut fuer Kristallographie, Rheinisch-Westfaelische Technische Hochschule, D-52056 Aachen, Germany.

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**OC.lT.02 STATUS OF VOLUME B: RECIPROCAL SPACE.** Uri Shmueli, School of Chemistry, Tel Aviv University, 69 978 Tel Aviv, Israel.

The first edition of Volume B of International Tables for Crystallography was published in 1993, and work on the preparation of the second edition was soon commenced. The plans for the second edition included (i) minor revisions and corrections, (ii) major revisions of several existing chapters in order to extend their scope and/or update them with recent developments, and (iii) invitations of contributions on several relevant topics not treated in the first edition.

Most of the minor changes that did not require repagination were taken care of by the recent corrected second printing of Volume B, which will ensure its availability until the second edition is ready.

At the time of writing this Abstract most of the planned minor and major revisions of existing chapters have been received by the Editor and are being prepared for inclusion in the second edition of the volume. Their summary will be presented at the Open Meeting of the Commission on International Tables.

New contributions on the following topics were invited for the second edition of Volume B:

1. Space-group representations in reciprocal space.
2. Direct methods in electron crystallography.
3. Diffraction by polymers.
4. Reciprocal-space images of aperiodic crystals.
5. Dynamical theory of neutron diffraction.

At the time of writing this Abstract, advanced drafts of three contributions on the above topics have been received. Further developments are expected and will be reported at the Open Meeting.