Acta Cryst. (1985). A**41**, 1-2

Checklist for Authors of Papers Submitted to *Acta Crystallographica*, Section A.

Papers are considered for publication in Section A if they report fundamental advances in one or more areas of crystallography. Structurally based papers should be submitted for publication in Section B or Section C. In future, Lead Articles will be published on an occasional basis in Section A. Although Lead Articles may contain a review element, their primary emphasis will be with the direction in which the subject is moving, indicating major problems, with suggestions for the future development of the subject. Lead Articles will normally be invited, but authors wishing to contribute such a paper are asked to discuss their proposal with the Editor in advance. Such articles will be subject to normal review.

The Checklist below is provided for the convenience of authors submitting papers for publication in *Acta Crystallographica*, Section A. Fuller information is given in *Notes for Authors* [*Acta Cryst.* (1983), A**39**, 174-186]. Checklists for authors of papers submitted to Sections B and C of *Acta Crystallographica* and to *Journal of Applied Crystallography* are given in the first issue of those journals for 1985.

All papers submitted for publication in *Acta Crystallographica*, Section A should be checked against the following list:

(*a*) Signed *Transfer of Copyright* form with manuscript

(*b*) *Typescripts*
- Submitted in triplicate to any Co-editor
- Double-spaced with wide margins (*e.g.* 30 mm)
- Authors' addresses in full
- Maximum of 10 000 words for regular contributed papers
- Maximum of 1000 words for Short Communications
- (For typography see *Notes for Authors*, § 9)

(*c*) *Title*
- Short but informative

(*d*) *Abstract*
- About 200 words
- Suitable for reproduction by abstracting services without change of wording
- Principal results stated as specifically and quantitatively as possible
- Sufficiently informative to obviate need for *Conclusion(s)* section

(*e*) *Experimental and computational details*
- Sufficient information to permit calculations to be repeated or extended by others and allow independent evaluation of the results
- Details of all computer programs used

(*f*) *Mathematical derivations*
- Abbreviated as far as is practicable without loss of clarity
- Full mathematical derivations and mathematical appendices to be deposited
- Symbols explained if not clear or commonly used

(*g*) *Diagrams and photographs*
- Drawings in black ink or high-quality glossy prints
- Cited in text
- As small as possible consistent with legibility
- High information density
- Lettering not less than 4 mm on International A4 sized or $8\frac{1}{2}\times 11$ in paper (and *pro rata*)
- Figure captions in separate list

(*h*) *Tables*
- Not to report information in text or diagrams
- Cited in text
- Table number and title for each
- To occupy minimum space consistent with clarity
- To include e.s.d.'s for all derived quantities (especially all varied parameters)
- If very long, an example should be given and complete table deposited

(*i*) *References*
- In form: authors' names followed by year of publication
- Alphabetic order in reference list
- All references in text to be given in reference list and *vice-versa*
- Inclusive page numbers to be given in reference list

(*j*) *Units and Nomenclature*
- SI units to be used throughout (except for Å)
- Atom labels as C(1) *etc.*
- Space groups in Hermann-Mauguin notation (Schönflies symbols may be used in addition for molecular symmetry)
- Choice of axes as recommended by Kennard, Speakman & Donnay [*Acta Cryst.* (1967), **22**, 445-449]
- Symmetry-equivalent atoms to be denoted as $C(I^{i})$ *etc.*
- Reflections, planes, directions and forms to be unambiguously distinguished (see *Notes for Authors*, § 8)
- Chemical names and formulae to conform to IUPAC rules, including spelling of element names
- Acronyms to be defined
- Nomenclature of polytypes to conform to Guinier recommendations [*Acta Cryst.* (1984), A**40**, 399-404]

(*k*) *Data to be deposited at the Co-editor's discretion*
Details of experimental procedures
Details of mathematical derivations
Lengthy mathematical appendices
Lengthy discussion not of general interest
Nonessential tables
Figures that duplicate information given elsewhere

Format of deposited material:
Not to exceed A4 size (210×297 mm) or $8\frac{1}{2}\times 11$ in
Minimum character height 1.5 mm
Three copies, of good photocopiable quality