

+4 min (tangent refinement). The computation of the E-Fourier map consumed 8 min. All computations have been carried out on a X8-Electrologica computer (2.5 microsecond) by means of Algol 60 programs.

Table 4. *Symbol parameters of sulphur steroid, refined by the QR2 procedure*

The solutions are given in order of increasing refinement criteria. Only the 2 solutions with the best CRI criteria have been refined.

QR2	$x_1$	$x_2$	$x_3$	$x_4$	Convergence in tangent refinement
8797	942	747	15	428	corr
9965	973	746	11	103	corr
11272	220	745	705	407	incorr
11500	792	752	202	132	incorr

Table 4 (cont.)

QR2	$x_1$	$x_2$	$x_3$	$x_4$	Convergence in tangent refinement
16053	876	250	101	638	-
16350	395	246	569	828	-
17272	749	750	302	342	-
17991	420	245	565	656	-
>20000	all other solutions				

#### References

- KARLE, I. L., KARLE, J. & ESTLIN, J. A. (1967). *Acta Cryst.* **23**, 494.  
 SCHENK, H. (1971a). *Acta Cryst.* **B27**, 2037.  
 SCHENK, H. (1971b). *Acta Cryst.* **B27**, 2039.  
 VEN, C. F. W. VAN DE & SCHENK, H. (1971). To be published.

### Notes and News

*Announcements and other items of crystallographic interest will be published under this heading at the discretion of the Editorial Board. The notes (in duplicate) should be sent to the Executive Secretary of the International Union of Crystallography (J. N. King, International Union of Crystallography, 13 White Friars, Chester CH1 1NZ, England).*

#### Professor N. V. Belov

The November 1971 issue of *Acta Crystallographica*, Section A will contain a photograph of Professor Belov as frontispiece and a review of his scientific and social activities, to commemorate Professor Belov's eightieth birthday, 15 December 1971.

and registration forms may be obtained from Dr Herbert Hauptman, Medical Foundation of Buffalo, 73 High Street, Buffalo, New York 14203, U.S.A. The closing date for registration is 1 March 1972.

#### Workshop on the Use of Structure Invariants in Phase Determination. Buffalo, 10-30 July 1972

The Medical Foundation of Buffalo and the Faculty of Natural Sciences and Mathematics of the State University of New York at Buffalo are jointly sponsoring a three week workshop on the use of structure invariants in phase determination to be held at the Medical Foundation of Buffalo, 10-30 July 1972.

During the first two weeks there will be two lectures daily concerned with the theoretical basis of the direct methods of phase determination and other background material. The lectures will be given by members of the Laboratory staff and a number of invited speakers. The remainder of the time will be devoted to instruction in the implementation of the theoretical results and the application of these methods to the structure determination of crystals of interest to the students. Participants are strongly urged to supply the required experimental data. The total number of participants will be limited to thirty. Further information

#### International Union of Crystallography

##### Ninth General Assembly and International Congress of Crystallography

The *First Circular* for this meeting was despatched during September by air-mail to those persons who completed and returned a Pre-Registration Card. Requests for further copies of the *First Circular* should be sent to Professor Y. Saito, General Secretary, Organizing Committee Crystallography, Science Council of Japan, 22-34 Roppongi 7-chome, Minato-ku, Tokyo 106, Japan, or to Dr J. N. King, Executive Secretary, International Union of Crystallography, 13 White Friars, Chester CH1 1NZ, England.

The American Crystallographic Association is organizing a charter flight from the U.S.A. to Japan. European members of the A.C.A. might also seriously consider this method of travel to Japan. Further information may be obtained from ACA Charter Flight, c/o Dr B. C. Wang, Department of Crystallography, University of Pittsburgh, Pittsburgh, Pa. 15213, U.S.A. The European Crystallographic Committee is not organizing a charter flight from Europe but is considering several proposals for group flights from various cities in Europe.