



The coupled signals of the axial 5-H and 6-H protons were crucial for the interpretation. Decoupling experiments were successful for all geminal and axial-axial couplings, as shown in the Figure.

(Received, November 4th, 1970; Com. 1910.)

<sup>1</sup> C. C. Hinckley, *J. Amer. Chem. Soc.*, 1969, **91**, 5160; J. K. M. Sanders and D. H. Williams, *Chem. Comm.*, 1970, 422; J. Briggs, G. H. Frost, F. A. Hart, G. P. Moss, and M. L. Staniforth, *ibid.*, p. 749.

<sup>2</sup> G. H. Wahl, jun., and M. R. Peterson, jun., *Chem. Comm.*, 1970, 1167.

<sup>3</sup> J. St. Pyrek, *Tetrahedron*, 1970, **26**, in the press.