

AD HOC  
MEETING ON AT LBA

AT / 17.3 / 009

**Attendees:** R.H. Frater, D.N. Cooper, A.C. Young, R.P. Norris, M.J. Kesteven,  
G.L. Nelson, J.A. Roberts and J.W. Brooks

As a result of Alan Young's recent tests on the UWA Sapphire loaded cavity (report expected soon), it now appears that this device will not meet our requirements. Consequently, a meeting of the above interested parties was called to discuss the implication of abandoning the UWA device and how we can best achieve the stability required for high frequency operation of the LBA.

After some general discussion the following decisions were reached:

- (a) The Signal Distribution Group should look at developing satellite links (via AUSSAT) to achieve the required phase stability. Alan Young should approach applied Physics (Ian Harvey and Terry Percival) to see if they would be interested in a collaborative project. Manpower from within Alan's group will be a problem but SARMA from the Raman Research Institute may be able to fill the role.
- (b) R.H. Frater and D.N. Cooper are about to have discussion's with J.P.L in the USA on the use of the Division's facilities for the Voyager Neptune encounter. Comments from the meeting indicated that RP's payment could possibly be made up of:
  - (1) VLBA DATA aquisition and playback units and/or
  - (2) a Hydrogen maser