

Interoffice

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To: VLBA Members

From: Carolyn

Subject: Report of the Workshop on Australia Telescope Computer Systems

Attached are the title page, table of contents, and introduction to the Report of the Workshop on Australia Telescope Computer Systems. Copies of the entire report can be found in the NRAO libraries in Charlottesville, Green Bank, Tucson, and the VLA.

The entire report can be found under AUSTL/EPP/.

REPORT OF THE WORKSHOP ON
AUSTRALIA TELESCOPE COMPUTER SYSTEMS

AT/10.5/002

Held at Epping and Parkes - 25,27,28 July 1983

THE AUSTRALIA TELESCOPE



The
Australian
Bicentenary
1788-1988

National Project

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SECTION 1: INTRODUCTION

This report is the result of a workshop held at Division of Radiophysics, Epping on 25 July and Parkes on 27-28 July 1983. In attendance were:

R.H. Frater (Chairman), J.G. Ables, J.W. Brooks, D.N. Cooper, J.F. Deane, J.R. Forster, R.F. Haynes, A.J. Hunt, C.E. Jacka, A.G. Little, R.N. Manchester, J.D. O'Sullivan, P.T. Rayner, R.H. Wand, G.W. Bothwell (AAO) and D.J. Skellern (SU/EE)

The aims were to:

- (a) determine the overall computing requirements for the Australia Telescope;
- (b) establish manpower and cost estimates, and also the times when specific hardware might need to be purchased;
- (c) identify any problem areas which may need more urgent and detailed study.

The approach adopted was to try to set a baseline system in terms of existing technology which could then be kept updated by any new advances until a final decision was necessary.

The computing requirements were divided into three main topics and at Parkes the workshop split into subgroups which were each assigned one of these areas as their prime responsibility. The topics and subgroups were:

- (i) on- and off-line computing; Frater (chairman), Haynes, Manchester, Rayner and Skellern
- (ii) correlator system; O'Sullivan (chairman), Ables, Brooks Forster and Hunt
- (iii) control/monitor system; Wand (chairman), Bothwell, Cooper, Deane, Jacka and Little

The reports of each of these subgroups form the basis of the material in sections 2, 3 and 4 of this workshop report.