USE OF THESES

This copy is supplied for purposes of private study and research only. Passages from the thesis may not be copied or closely paraphrased without the written consent of the author.
TIME AND TIME TRAVEL.

A thesis submitted in March 1978 for the degree of Doctor of Philosophy of the Australian National University.

Resubmitted with supplementary volume 24 April 1980

by

Paul Andrew Balnaves.
This work is entirely my own insofar as its critical and expository aspects are concerned.

P. Behravan
This work is an exploration of the idea of time travel in relation to general theories of time. It is neither a defence nor a repudiation of time travel, but seeks to find ultimate grounds for the plausibility of the idea. Consequently it attempts to set up the concept of time travel as securely as possible, and does so by emphasising that travel has ultimately an analogical sense.

Having thus established time travel without the supposition of any general theory of time, the work goes on to consider general theories of time in order to locate the idea of time travel within them.

Of special interest is the theory of space-time, which is eminently suited to the idea of time travel. My concern there is not however with the establishment of time travel, but rather with the conflict between the philosophy of space-time and the philosophy which bases the theory of time on the nature of the human experience of it. The character of the opposition between these philosophies renders them complementary, and consequently one or other should be capable of excluding time travel.

The conclusion is that the plausibility of time travel rests on the fact that neither of these philosophies is capable of excluding time travel on general metaphysical or epistemological grounds.

In finishing the work discusses the facts and logic of human power and knowledge, and points to the possible existence of a general epistemological principle the lack of which is the reason for the survival of time travel.
CONTENTS.

SECTION ONE. AN EXPOSITION OF TIME TRAVEL.

Chapter Two. Time Travel and Analogy. 30.
Chapter Three. The Metaphysic of Time Travel 62.

SECTION TWO. GENERAL PHILOSOPHIES OF TIME.

Chapter Four. The Block Universe and the Evolving Present. 31.
Chapter Five. Experience Versus Analysis. 121.

SECTION THREE. THE HUMAN CONDITION.

Chapter Six. Time Travel and Causation. 151.