ACKNOWLEDGEMENT

I am deeply indebted to Dr.N.S.Dhayagude, Lecturer in Physics, D.B.F.Dayanand College of Arts and Science, Solapur, for his invaluable guidance, inspiration and encouragement throughout this work.

I am grateful to the Local Secretary Dev Raj Gupta of Dayanand Institutions, Solapur, for his advisory interest in the work. I am indebted to Principal Dr.N.G. Zunjurwad of Dayanand College for extending necessary facilities.

I wish to express deep sense of gratitude towards Shri B.A. Managoli, Head of the Department of Physics & Electronics, Dayanand College, Solapur for the keen interest shown and the encouragement given during the course of investigations.

Thanks are also due to Lecturers Mrs. V.N.Dhayagude,
Shri D.V.Sutrave and Shri K.D.Jadhav of Physics Department
of Dayanand College for many useful discussions and
suggestions.

I take this opportunity to express my sincere regards towards Dr.C.M.Sunta, Shri D.T.Khatri and Shri A.G.Desai of Health Physics Division, B.A.R.C. (Bombay) for the whole-hearted co-operation and help given in the design, layout and thus fabrication of Linear Temperature Programmer used in T.L. studies.

It is not possible to forget the affectionate and generous help extended by Dr. V. N. Bapat of H. P. D., B. A. R. C. in critical planning of the work carried out.

I can not forget recording my appreciation towards Shri D.S.Sutrave for the co-operation given during the experimental work.

I am thankful to Shri B.J.Jeurkar and Shri S.K.Vadagbalkar of Geology Department, Dayanand College for giving the facility of muffule furnace. It is my duty to acknowledge Shri S.V.Tagare of Chemistry Department for providing some special glass wares and chemicals. I cannot forget recording thanks to Shri Shejul of Microbiology Department for making the Germicidal lamp available.

I take this opportunity to thank Dr. Jakati,
Librarian and Library Staff of Shivaji University for
extending necessary library facilities.

I am thankful to Mrs.R.N.Deshpande, for the neat and careful typing of the dissertation work.

22 Nov. 1988

- H.N. Vaidya.