ACKNOWLEDGEMENTS

The author records his deep and profound sense of gratitude and indebtedness to Dr. P.R. Naidu, M.A., Ph.D., Head in Chemistry, Sri Venkateswara University, Tirupati, for his inspiring guidance and encouragement throughout the progress of the work. The author wishes to thank Prof. V.R. Krishnan, M.A., Ph.D. (Kansas), Professor and Head of the Department of Chemistry, Sri Venkateswara University College, Tirupati, for suggesting the problem and supervising the work in the early stages. The author takes this opportunity to express his grateful thanks to Prof. K. Neelakanta, M.A., Ph.D., D.I.C.(Lond), F.A.Sc., formerly Professor of Chemistry, Sri Venkateswara University College, Tirupati, for his valuable suggestions. Thanks are also due to Dr. M.V. Prabhakara Rao and Dr. V. Seshagiri for the help rendered in the preparation of the thesis.

The author is thankful to the authorities of Sri Venkateswara University, Tirupati for providing facilities for this work.

TIRUPATI
18.9.72

[Signature]