

APPENDIX 4 SOME EXAMPLE HP4T PROGRAMS.

The following programs should be studied carefully if you are in any doubt as to how to program in
Hisoft Pascal 4T.

(Program to illustrate the use of TIN and TOUT.
The program constructs a very simple telephone
directory on tape and then reads it back. You
should write any searching required.)

```
PROGRAM TAPE;

CONST
  Size=10;

TYPE
  Entry = RECORD
    Name : ARRAY [1..10] OF CHAR;
    Number : ARRAY [1..10] OF CHAR;
  END;

VAR
  Directory : ARRAY [1..Size] OF Entry;
  I : INTEGER;

BEGIN
  (Set up the directory..)

  FOR I:= 1 TO Size DO
    BEGIN
      WITH Directory[I] DO
        BEGIN
          WRITE('Name please');
          READLN;
          READ(Name);
          WRITELN;
          WRITE('Number please');
          READLN;
          READ(Number);
          WRITELN
        END
      END;
    END;

  (To dump the directory to tape use..)

  TOUT('Director', ADDR(Directory), SIZE(Directory));

  (Now to read the array back do the following steps..)

  TIN('Director', ADDR(Directory))

  (And now you can process the directory as you wish.....)

END.
```