LISTING 5

The RotateCTable procedure rotates the entries in a ColorTable the number of times specified in the argument passed to it. After each rotation, the current palette is animated with the modified ColorTable, making the changes appear on screen.

```

procedure RotateCTable (repeatTimes: integer); {Rotate entries 1-253 of palette, leave entries 0, 254-255 intact.  }
                                                {Put the new ColorTable into current palette after each rotation.  }

var
  k: integer;
  tempCSpec: ColorSpec;                                {an entry in a ColorTable}
  {patternColorTable: CTabHandle; -- declared in main program}

begin
  for k := 0 to repeatTimes do
    begin
                                                                {Save compiler options and turn off range checking}
      {$PUSH}
      {$R-}
      tempCSpec := patternColorTable^.ctTable[1];          {Save entry 1 in temporary variable}
                                                                {Shift entries 2-253 down 1 position}
      BlockMove(@patternColorTable^.ctTable[2], @patternColorTable^.ctTable[1], 252 * SizeOf(ColorSpec));
      patternColorTable^.ctTable[253] := tempCSpec;        {Replace entry 253 with temporary variable}
                                                                { i.e., previous contents of entry 1 }
                                                                {Restore saved compiler options}
      {$POP}
      {----- Insert delay and/or frame sync routine here -----}
      AnimatePalette(myWindowPtr, patternColorTable, 0, 0, 256); {Put new, rotated ColorTable into current palette}
    end;
  end; {RotateCTable}

```

(Manuscript received February 25, 1991;
revision accepted for publication July 10, 1991.)

Erratum

Gillett, R. A FORTRAN 77 program for sample-size determination in replication attempts when effect size is uncertain. *Behavior Research Methods, Instruments, & Computers*, 1991, 23, 442-446—The program is able to provide sample sizes for both one-sample and two-sample tests. As written, it covers the two-sample case. To obtain the sample size for a one-sample test, simply change 2.0 to 1.0 in the line

IF (V.LT.99) W=V*AN/(V*AN+2.0)

in the subroutine SAMPSIZE on page 445, so that it now reads

IF (V.LT.99) W=V*AN/(V*AN+1.0).