Errata: FYSOS: The Graphical User Interface
Dated: 25 June 2020

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destroy bitmap() and get static bitmap()
 I neglected to destroy the bitmap after I was done with the
  get static bitmap() when drawing to the screen. Therefore,
  each time I grabbed that bitmap to update the screen, a
  1,024-byte chunk of memory was allocated along with the
 bitmap itself, but never freed. You might see that you will
  run out of memory soon.
 I have the updated source code. If you request it, and your
  email address matches one I have on record, I will send you
 the updated source.
Source code change:
bitline.cpp:
 void bitmap circle():
 // DJGPP changed the order of the sincos() parameters with
  // version 2.05+.
  #if ((__DJGPP__ > 2) || ((__DJGPP__ == 2) && (__DJGPP_MINOR__ >= 5)))
   // Radians = degrees * (pi / 180) degrees = radians * (180 / pi)
    sincos((double) start * 0.017453292, &dcos, &dsin);
  #else
    // Radians = degrees * (pi / 180) degrees = radians * (180 / pi)
    sincos(&dcos, &dsin, (double) start * 0.017453292);
  #endif
 strings.cpp:
  void string set():
  // Newer versions of DJGPP don't like a NULL pointer passed
  // to the strlen() function.
  Change:
   if (len == -1)
     len = strlen(str) + 1;
  to:
    if (str && (len == -1))
     len = strlen(str) + 1;
    else
     len = 0;
font in range()
If you use a font with more than 128 chars, i.e.: a char value can
be 128 or greater, you will need to pass that char to
font int range() as an integer, not a char. Sending it as a char
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will convert 128 to -128 and font in range() will return FALSE. Therefore, change the following in font.cpp: info = font in range(font, *text); to

info = font in range(font, (int) (bit8u) *text); and anywhere else font in range() is used and may send a value that is greater than or equal to 128 as the second parameter.

Source code change:

video.cpp: vid get mode info: line 187: Remove the erroneous switch statement. Newer GCC compilers will not compile the encompassed code due to the erroneous switch statement, in turn not setting the 'info' structure.