3.3 Release Notes:
ANSI C Libraries

This release note mentions important items with regard to NEXTSTEP's ANSI C libraries.

Notes Specific to Release 3.1

Known Problems:

Reference: 34690

Problem: The **atof**(3) and **strtod**(3) functions produce different results for non-numbers on m68k and i386 architectures.

Description: On the m68k architecture, **atof()** and **strtod()** improperly interpret a leading 'i', 'n', or 's' as representing the floating-point values ±**Infinity**, **NaN**, and **SNaN**,

respectively. On the i386 architecture these functions properly return 0.0 for the above cases, as well as for any other non-numeric string. In addition to producing different results, this may surprise users who've been used to typing values like ªinfinityº in text fields.

To insure consistent results, your code should check that the first non-whitespace, non-sign character of a string is a digit or decimal separator before calling **atof()** or **strtod()**.

If you want to accept string values such as ªinfinityº, your code should explicitly check for them before calling **atof()** or **strtod()**. For example, it should check the return of a Control's or Cell's **stringValue** method rather than rely on the **floatValue** or **doubleValue** methods.