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C9X Revision Proposal
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Title: Replacement for strtok_____
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Date: 1995-05-17_____
Proposal Category:
   __ Editorial change/non-normative contribution
   __ Correction
   Y_ New feature
   __ Addition to obsolescent feature list
   __ Addition to Future Directions
   __ Other (please specify) _____
Area of Standard Affected:
   __ Environment
   __ Language
   __ Preprocessor
   Y_ Library
      __ Macro/typedef/tag name
      Y_ Function
      __ Header
   __ Other (please specify) _____
Prior Art: 4.4BSD, some unknown number of vendors._____
Target Audience: Programmers that use strtok._____
_____
_____

Related Documents (if any): _____
_____
_____

Proposal Attached: Y_ Yes __ No, but what's your interest?
Abstract:

1: Strtok cannot handle empty fields.
2: Strtok cannot handle more than a single string at a time.

Proposal:

Provide strsep as a replacement.

```c
char * strsep(char **stringp, char *delim);
```

The strsep() function locates, in the string referenced
by *stringp, the first occurrence of any character in
the string delim (or the terminating `\0' character) and
replaces it with a `\0'. The location of the next
character after the delimiter character (or NULL, if the
end of the string was reached) is stored in *stringp.
The original value of *stringp is returned.