

## Ruby master - Bug #15576

### Wrong error message from some class methods of `Dir`

01/31/2019 09:58 AM - takaram (Takuya Aramaki)

<b>Status:</b> Open	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Target version:</b>	
<b>ruby -v:</b> ruby 2.6.0p0 (2018-12-25 revision 66547) [x86_64-linux]	<b>Backport:</b> 2.4: UNKNOWN, 2.5: UNKNOWN, 2.6: UNKNOWN
<b>Description</b>	
<p>When a error is raised in some class methods of Dir, the backtrace is as if the user called Dir.open.</p> <pre>\$ ruby -e 'Dir.foreach {}' Traceback (most recent call last):  2: from -e:1:in `&lt;main&gt;'  1: from -e:1:in `foreach' -e:1:in `open': wrong number of arguments (given 0, expected 1) (ArgumentError) \$ ruby -e 'Dir.foreach(nil)' Traceback (most recent call last):  2: from -e:1:in `&lt;main&gt;'  1: from -e:1:in `foreach' -e:1:in `open': no implicit conversion of nil into String (TypeError) \$ ruby -e 'Dir.foreach("not_exist")' Traceback (most recent call last):  2: from -e:1:in `&lt;main&gt;'  1: from -e:1:in `foreach' -e:1:in `open': No such file or directory @ dir_initialize - not_exist (Errno::ENOENT)</pre> <p>The last line of the error message should be -e:1:in `foreach': ... like IO.foreach</p> <p>This occurs in following methods:</p> <ul style="list-style-type: none"><li>• Dir.foreach</li><li>• Dir.entries</li><li>• Dir.each_child</li><li>• Dir.children</li></ul>	

### History

#### #1 - 01/31/2019 01:08 PM - nobu (Nobuyoshi Nakada)

It is expected as these methods delegate to Dir.open.  
So you can redefine the open method.

```
$ ruby -e 'def Dir.open(*) raise "boom";end; Dir.foreach("."){}'  
Traceback (most recent call last):  
 2: from -e:1:in `<main>'  
 1: from -e:1:in `foreach'  
-e:1:in `open': boom (RuntimeError)
```

whereas IO.foreach can't.

#### #2 - 01/31/2019 01:09 PM - nobu (Nobuyoshi Nakada)

I'm not sure this difference between IO and Dir is intentional.