Ruby master - Bug #6867
super in a Mutex#synchronize block
08/14/2012 08:44 PM - Eregon (Benoit Daloze)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>tenderlovemaking (Aaron Patterson)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.0.0</td>
</tr>
<tr>
<td>Backport:</td>
<td></td>
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<tr>
<td>ruby -v:</td>
<td>ruby 2.0.0dev (2012-08-14 trunk 36700) [x86_64-darwin10.8.0]</td>
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</tbody>
</table>

**Description**

The following code:

```ruby
require 'thread'
class Parent
def meth
end
end
class Child < Parent
def meth
Mutex.new.synchronize do
  super
end
end
end
Child.new.meth

raises

bug_super.rb:13:in block in meth': can't find the method for super, which may be called in an orphan block (NoMethodError)
from <internal:prelude>:10:insynchronize'
from bug_super.rb:12:in meth'
from bug_super.rb:18:in'
```


**History**

1. 08/15/2012 02:25 AM - nagachika (Tomoyuki Chikanaga)
   Hi,
   This issue seems happen after r36640.

2. 08/21/2012 02:41 AM - tenderlovemaking (Aaron Patterson)
   - File fix.patch added
   I'm hitting this bug in the Rails tests too. It does not need to be a synchronize block. Any method that yields will cause this error:

```ruby
class A; def self.yielder; yield; end end
class X
  def self.hello; 'hi'; end
end
class Y < X
  def self.hello; A.yielder { super() }; end
end
Y.hello
```
I've attached a patch with a test and fix. It seems that the loop that walks up the control frames would stop even though there is a valid recipient for that method further up the stack. I'm not incredibly pleased with my patch because it has to do a \texttt{kind_of} for each object as it walks up, but it does fix this bug.

Shugo - do you have a better fix for this, or may I apply this patch?

Thanks.

\textbf{#3 - 08/22/2012 11:42 AM - shugo (Shugo Maeda)}

- Status changed from Open to Assigned
- Assignee changed from shugo (Shugo Maeda) to tenderlovemaking (Aaron Patterson)

tenderlovemaking (Aaron Patterson) wrote:

Shugo - do you have a better fix for this, or may I apply this patch?

I haven't come up with a better solution. Could you apply the patch?

\textbf{#4 - 02/18/2013 10:01 PM - mame (Yusuke Endoh)}

- Status changed from Assigned to Closed

The patch was applied at \texttt{r36784}.

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Yusuke Endoh \texttt{mame@tsg.ne.jp}

\textbf{Files}

\begin{tabular}{|l|l|l|}
\hline
File & Size & Date & Author \\
\hline
fix.patch & 1.79 KB & 08/21/2012 & tenderlovemaking (Aaron Patterson) \\
\hline
\end{tabular}