Ruby master - Bug #7406

English.rb says that $_ is thread-local, but it is frame-local

11/20/2012 07:28 AM - headius (Charles Nutter)

<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>mame (Yusuke Endoh)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.0.0</td>
</tr>
<tr>
<td>ruby -v:</td>
<td>2.0.0preview1</td>
</tr>
<tr>
<td>Backport:</td>
<td></td>
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</table>

**Description**

```
system ~/projects/jruby/gist-4110634 $ jirb
irb(main):001:0> $_ = 'foo'
 => "foo"
irb(main):002:0> def blah; p $; end
 => nil
irb(main):003:0> p $
 "foo"
 => "foo"
irb(main):004:0> blah
nil
 => nil
Not thread-local.
```

**Associated revisions**

- Revision 2ae0c4c4 - 02/02/2013 02:47 AM - mame (Yusuke Endoh)
  - lib/English.rb: Remove some confusing words from rdoc. [Bug #7406]
  
  git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39010 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

- Revision 39010 - 02/02/2013 02:47 AM - mame (Yusuke Endoh)
  - lib/English.rb: Remove some confusing words from rdoc. [Bug #7406]

**History**

#1 - 11/20/2012 07:32 AM - headius (Charles Nutter)

I guess this is a bit confusing, since it does also say it's scope-local. The thread-local part throws me off a bit. Is it thread-local or scope-local?
Here's the example again, this time actually running in 2.0.0.preview1:

```
system ~/projects/jruby $ irb-2.0.0
irb(main):001:0> $_ = 'foo'
=> "foo"
irb(main):002:0> def blah; p $; end
=> nil
irb(main):003:0> p $
"foo"
=> "foo"
irb(main):004:0> blah
nil
=> nil
```

#2 - 11/24/2012 06:17 PM - mame (Yusuke Endoh)
- Status changed from Open to Assigned
- Assignee set to mame (Yusuke Endoh)
- Target version set to 2.0.0

I think that "scope-local" normally implies "thread-local". If you think it is confusing, I'll delete the comments, unless there is objection.

diff --git a/lib/English.rb b/lib/English.rb
index 4fd53c5..44baf17 100644
--- a/lib/English.rb
+++ b/lib/English.rb
@@ -119,7 +119,7 @@ alias $CHILD_STATUS            $?
 # and $1 to $9 are all derived from
 # $~. Assigning to $~ changes the values of these
 # derived variables. This variable is local to the current
-# scope. Thread local.
+# scope.
 alias $LAST_MATCH_INFO         $~

 # If set to any value apart from +nil+ or +false+, all pattern matches
@@ -135,21 +135,21 @@ alias $ARGV                    $*
 # The string matched by the last successful pattern
 # match. This variable is local to the current
-# scope. Read only. Thread local.
+# scope. Read only.
 alias $MATCH                   $&

 # The string preceding the match in the last
-# successful pattern match. This variable is local to
-# the current scope. Read only. Thread local.
+# the current scope. Read only.
 alias $PREMATCH                $`

 # The string following the match in the last
-# successful pattern match. This variable is local to
-# the current scope. Read only. Thread local.
+# the current scope. Read only.
 alias $POSTMATCH               $'

 # The contents of the highest-numbered group matched in the last
-# successful pattern match. Thus, in "cat" =~ /c(a)(t|z)/,  
 # $+ will be set to "t". This variable is local to the
-# current scope. Read only. Thread local.
+# current scope. Read only.
 alias $LAST_PAREN_MATCH        $+

--
Yusuke Endoh mame@tsg.ne.jp

#3 - 02/02/2013 11:47 AM - mame (Yusuke Endoh)
- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r39010.
Charles, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

- lib/English.rb: Remove some confusing words from rdoc. [Bug #7406]