Ruby master - Bug #18193
Accessing global configuration from Ractors
09/26/2021 08:06 PM - kirs (Kir Shatrov)

Status: Closed
Priority: Normal
Assignee: 
Target version: ruby
Backport: 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN

Description
Consider a very common Ruby code with attr_accessor on a class:

class GlobalConfig
class << self
  attr_accessor :option
end
end

GlobalConfig.option = 123
GlobalConfig.freeze
puts GlobalConfig.frozen? # => true

r = Ractor.new do
  GlobalConfig.option
end
puts r.take

Right now, this fails can not access instance variables of classes/modules from non-main Ractors.

Is this considered a bug? If it is, I'd be happy to work on a fix.
To me, it seems like we should allow accessing frozen objects.

If this is expected behavior, then I'd like to open a conversation for how libraries and apps should expose things like global configuration for Ractors to consume.

Related issues:
Is duplicate of Ruby master - Feature #17592: Ractor should allowing reading shareable class instance variables added

History
#1 - 09/27/2021 10:05 AM - Eregon (Benoit Daloze)
  - Is duplicate of Feature #17592: Ractor should allowing reading shareable class instance variables added

#2 - 09/27/2021 10:05 AM - Eregon (Benoit Daloze)
  #17592 would let this work but it has not been implemented yet, cc ko1 (Koichi Sasada)

#3 - 10/22/2021 04:33 PM - ko1 (Koichi Sasada)
  - Status changed from Open to Closed

https://github.com/ruby/ruby/pull/5006 merged.