

Ruby - Bug #12273

Time.parse incorrectly parses Russian months

04/12/2016 02:14 PM - leemour (Viacheslav Ptsarev)

Status:	Rejected	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	2.3.0	Backport: 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN
Description When parsing dates in Russian where day number is 31, Time.parse returns 2016-05-01. No matter what month or year is provided. 31 march 2016: <pre>irb(main):003:0> require "time" => true irb(main):004:0> Time.parse "31 марта 2016" => 2016-05-01 00:00:00 +0300 irb(main):005:0> Time.parse "31 march 2016" => 2016-03-31 00:00:00 +0300 irb(main):006:0> Time.parse "31 mars 2016" => 2016-03-31 00:00:00 +0300</pre> 31 december 2013: <pre>irb(main):013:0> Time.parse "31 декабря 2013" => 2016-05-01 00:00:00 +0300 irb(main):014:0> Time.parse "31 december 2013" => 2013-12-31 00:00:00 +0400</pre>		

History

#1 - 04/12/2016 02:22 PM - leemour (Viacheslav Ptsarev)

- Subject changed from Time.parse incorrectly parses 31st days of month in Russian to Time.parse incorrectly parses Russian months

When parsing dates in Russian where day number is 31, Time.parse returns 2016-05-01. No matter what month or year is provided. With other dates, it returns date with given day number, but current month and year.

31 march 2016:

```
irb(main):003:0> require "time"
=> true
irb(main):004:0> Time.parse "31 марта 2016"
=> 2016-05-01 00:00:00 +0300
irb(main):005:0> Time.parse "31 march 2016"
=> 2016-03-31 00:00:00 +0300
irb(main):006:0> Time.parse "31 mars 2016"
=> 2016-03-31 00:00:00 +0300
```

31 december 2013:

```
irb(main):013:0> Time.parse "31 декабря 2013"
=> 2016-05-01 00:00:00 +0300
irb(main):014:0> Time.parse "31 december 2013"
=> 2013-12-31 00:00:00 +0400
```

22 january 2013:

```
irb(main):010:0> Time.parse "22 января 2013"
=> 2016-04-22 00:00:00 +0300
irb(main):011:0> Time.parse "22 january 2013"
=> 2013-01-22 00:00:00 +0400
```

#2 - 04/12/2016 02:23 PM - zverok (Victor Shepelev)

I assume Time.parse is not localized to all world languages.

So, it just ignores the "unidentified" part, replacing it with "current month" (and then fixes non-existent 31.04 into 1.05):

```
Time.parse('31 ничего 2016')  
# => 2016-05-01 00:00:00 +0300  
Time.parse('31')  
# => 2016-05-01 00:00:00 +0300
```

#3 - 04/12/2016 02:29 PM - leemour (Viacheslav Ptsarev)

Victor Shepelev wrote:

I assume Time.parse is not localized to all world languages.

So, it just ignores the "unidentified" part, replacing it with "current month" (and then fixes non-existent 31.04 into 1.05):

```
Time.parse('31 ничего 2016')  
# => 2016-05-01 00:00:00 +0300  
Time.parse('31')  
# => 2016-05-01 00:00:00 +0300
```

Thanks. So what should I use to parse dates in Russian?

#4 - 04/12/2016 02:46 PM - zverok (Victor Shepelev)

Thanks. So what should I use to parse dates in Russian?

There's no easy way, unfortunately. For simple formats you can try to just gsub Russian monthnames into English and then use normal Time.parse.

Not a Ruby bug, definitely :)

#5 - 04/12/2016 04:03 PM - naruse (Yui NARUSE)

Viacheslav Ptsarev wrote:

Victor Shepelev wrote:

I assume Time.parse is not localized to all world languages.

So, it just ignores the "unidentified" part, replacing it with "current month" (and then fixes non-existent 31.04 into 1.05):

```
Time.parse('31 ничего 2016')  
# => 2016-05-01 00:00:00 +0300  
Time.parse('31')  
# => 2016-05-01 00:00:00 +0300
```

Thanks. So what should I use to parse dates in Russian?

Just replace Russian to English with gsub before parsing.

#6 - 04/12/2016 04:03 PM - naruse (Yui NARUSE)

- Status changed from Open to Rejected