

## BIEN 3 - Bug #945

### incorrect synonym being selected in TNRS

08/18/2014 10:01 AM - Aaron Marcuse-Kubitza

<b>Status:</b> New	<b>Start date:</b> 08/18/2014
<b>Priority:</b> High	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 80%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	

#### Description

this is [TNRS-195](#) on the TNRS JIRA bug tracker

TNRS's synonym-selection algorithm incorrectly considers taxonomic\_status when sorting names, which causes a worse Tropicos synonym to be selected instead of a better TPL synonym (when TPL is ranked before Tropicos in the source sort order)

#### test case

[from Brad](#):

Here's a pair of names that are still a problem: [test these with the sources set to TPL, Tropicos (in that order)]

Glandularia quadrangulata  
Verbena quadrangulata

The second name (Verbena quadrangulata) is a synonym of the first, according to Tropicos's website. But computedAcceptance returns both as accepted. This is the result you get if you submit the names to the TNRS (either the production version or toad):

Glandularia quadrangulata → Accepted, =Glandularia quadrangulata (A. Heller) Umber, Tropicos  
Verbena quadrangulata → Accepted, =Verbena quadrangulata A. Heller, Tropicos

The suggested fix should result in:

Glandularia quadrangulata → Accepted, =Glandularia quadrangulata (A. Heller) Umber, Tropicos  
Verbena quadrangulata → Synonym, =Glandularia quadrangulata (A.Heller) Umber, TPL

...which is what we want.

#### fix

1. in [class.tnrs\\_aggregator.php](#) (on the dev server), change the sort order of accepted vs. synonym so that a (TPL) synonym is chosen in preference to a (Tropicos) accepted name:

```
--- taxamatch-webservice-read-only/api/classes/class.tnrs_aggregator.php (master)
+++ taxamatch-webservice-read-only/api/classes/class.tnrs_aggregator.php (working copy)
@@ -21,1 +21,1 @@
-     static $acceptance_array=array("Accepted" => 3, "Synonym" => 2, "Illegitimate" => 1,
"Invalid" => 1, "Rejected name" => 1, "Orth. var." => 1, "Misapplied name" => 1,
"Synonym? (unresolved)" => 1, "No opinion" => 0, "" => 0);
+     static $acceptance_array=array("Synonym" => 3, "Accepted" => 2, "Illegitimate" => 1,
"Invalid" => 1, "Rejected name" => 1, "Orth. var." => 1, "Misapplied name" => 1,
"Synonym? (unresolved)" => 1, "No opinion" => 0, "" => 0);
```

this has now been fixed on the TNRS dev server (tested with [Brad's test case](#) above)

2. write query to determine which names are affected by this
3. rescrub names where this is an issue

#### History

#1 - 08/18/2014 10:02 AM - Aaron Marcuse-Kubitza

- Description updated

**#2 - 08/18/2014 10:08 AM - Aaron Marcuse-Kubitza**

- Description updated

**#3 - 08/18/2014 10:08 AM - Aaron Marcuse-Kubitza**

- Description updated

**#4 - 09/02/2014 09:39 PM - Aaron Marcuse-Kubitza**

- Description updated

**#5 - 10/17/2014 03:16 PM - Aaron Marcuse-Kubitza**

- Description updated

**#6 - 10/17/2014 03:17 PM - Aaron Marcuse-Kubitza**

- Description updated

- Status changed from New to Resolved

- % Done changed from 0 to 100

**#7 - 10/17/2014 03:18 PM - Aaron Marcuse-Kubitza**

- Description updated

**#8 - 10/17/2014 03:22 PM - Aaron Marcuse-Kubitza**

- Description updated

**#9 - 10/17/2014 03:23 PM - Aaron Marcuse-Kubitza**

- Description updated

**#10 - 10/17/2014 03:26 PM - Aaron Marcuse-Kubitza**

- Description updated

- Status changed from Resolved to New

- % Done changed from 100 to 80

**#11 - 10/17/2014 03:28 PM - Aaron Marcuse-Kubitza**

- Description updated

**#12 - 10/17/2014 03:29 PM - Aaron Marcuse-Kubitza**

- Description updated

**#13 - 10/17/2014 03:35 PM - Aaron Marcuse-Kubitza**

- Description updated

**#14 - 10/17/2014 03:40 PM - Aaron Marcuse-Kubitza**

- Description updated