Manual for the quetta (ອຸ່ຊື່) module

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version 0.0.1

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1. Introduction

1.1. 'Quetta'?

'Quetta' ($\dot{\mathfrak{gp}}$) means 'word' in Quenya [1], one of the fictional languages invented by British writer and philologist J. R. R. Tolkien. It thus seemed fitting for a module aimed at making the process of typing these languages easier.

Words are also, loosely speaking, the base units this module works on, as we shall see in more detailes below. While its general philosophy is to map each symbol used in Tolkien's elvish languages to letters from the Latin alphabet, a few word-wise substitution rules were implemented so that, in *most* (but probably not all) cases the correct spelling can be obtained by typing the word phonetically. For the same reason, the mapping generally works on groups of letters when there is no natural one-to-one mapping between individual symbols.

1.2. The Tengwar script

A proper introduction to Tengwar is way beyond the scope of this document. We refer interested readers to Appendix E of Reference [2] and online references such as wikipedia tolkiengateway.net, omniglot.com, or tecendil com

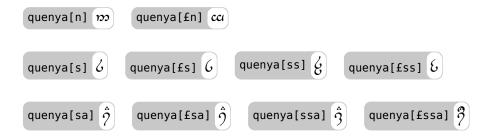
In short, Tengwar ($\dot{p}\ddot{c}\ddot{p}$) in Quenya mode) is one of the scripts invented by Tolkien, primarily consisting of 36 letters (called tengwar; singular: tengwa ($\dot{p}\ddot{c}\ddot{p}$)) and diacritics (tehtar ($\dot{p}\dot{c}\ddot{p}\ddot{p}$) singular: tehta ($\dot{p}\dot{c}\ddot{p}\ddot{p}$)). There are several ways to relate tengwar to sounds, called modes. This module primarily focuses on the Quenya ($\dot{q}\ddot{p}\ddot{p}$), or 'classical', mode, in universe the original way to write tengwar. Support for the other modes described by Tolkien is planned for a future version.

2. How to use

2.1. Design principles

The module provides one main command for each supported mode (in the curr).

Alternative glyphs, when they exist, can be obtained with the symbol \mathfrak{t} . For instance, typing \mathfrak{n} produces the tengwa \mathfrak{w} (numen) while typing $\mathfrak{t}\mathfrak{n}$ produces \mathfrak{w} (noldo):



2.2. Quenya

The implementation of the Quenya mode follows Reference [3].

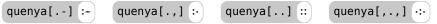
2.2.1. Basic examples

```
quenya[aha] îd
quenya[namárië] က်ာညျှံပုံ
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- 2.2.2. N mode
- 2.2.3. H mode
- 2.2.4. Y mode
- 2.2.5. S mode

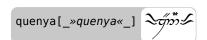
2.2.6. Punctuation

End-of-paragraph symbols can be obtained by combining commas and periods:



Note: Generally, parentheses in Quenya are denoted by the single symbol \mathcal{D} —there is no distinction between opening and closing parentheses. We deviate from this convention by mabbing the symbol '(' to (and ')' to). The proper Tengwar parenthesis is mapped to '/'.

The decorations ≈ and ≤ are obtained using the French quotation marks '»' and '«':



2.2.7. Number system

Example: quenya[123] $\varpi\delta$

2.2.8. Example: Namárië

One of the most famous texts written in Quenya is the poem Namárië (nɔ̈g), originally written in [2]¹ and available for instance in Reference [4]. Below we show the same text without (left) and with (right) the #show: quenya command. We use a spacing between line of 0.7em to clearly separate them (some tengwar have a relatively large vertical extension).

Namárië

Ai! laurië lantar lassi súrinen, yéni únótimë ve rámar aldaron! Yéni ve lintë yuldar avánier mi oromardi lisse-miruvóreva Andúnë pella, Vardo tellumar nu luini yassen tintilar i eleni ómaryo airetári-lírinen.

Sí man i yulma nin enquantuva?

An sí Tintallë Varda Oiolossëo ve fanyar máryat Elentári ortanë, ar ilyë tier undulávë lumbulë, ar sindanóriello caita mornië i falmalinnar imbë met, ar hísië untúpa Calaciryo míri oialë. Sí vanwa ná, Rómello vanwa, Valimar! Namárië! Nai hiruvalyë Valimar. Nai elyë hiruva. Namárië!

2.3. Sindarin—Mode of Gondor

Not yet implemented

2.4. Sindarin—Mode of Beleriand

Not yet implemented

က်ဘျှံဘုံ

သို့ ၁ဝဲ့စုံ ငံတီက ငံဂဲ့ ပုံစွဲတကာ ပျက် ရှိကျိုက် ထံ ပျီထား ဒီဗို့တာ ျှော် ထ် ငွာ် ထွင်းက ရေးကိုက်က က် ဖိုက်ာပါ ငှဲရှ-က်ပုံာဖြစ် îpာျက် ဗုင်္ငံ င်္ဂာဝါ ဗုင်္င်ကာ က် ကိုက် ထိုက် ထုံကို ထိုကို ကိုကို ကြွတ် သို့မှာပြီး ကျွတ်တော်း ပ် ထား i ရှိဘုဏ် ကဲက ကော်မြာထို ຳໝ ປ່ງ p່ໝໍຮູ້ ອ້ານຕໍ່ ລຳຮູ້ງຳ က်ရိုက် ပုံကြဘဲ ရုတ္ပို့ထာ ဂဏ္ဍီထိ ထဲ عَرْجُ مُرْجُ مُرْجُ مُرْدُ مَامْ عَنْ مَا مُنْ عَرْبُ مُنْ عَنْ مَا مُنْ عَرْبُ مُنْ عَرْبُ مُنْ عَرْبُ مُنْ în ဂုံကိုကျွန်၊ ငြို့ ကိုကက်၊ أورَن مُن بَعْن اللهِ اللهِ اللهِ عَنْ اللهِ اللهِ اللهِ عَنْ اللهِ اللهِ اللهِ اللهِ اللهِ اللهِ اللهِ اللهِ ဂိုကျိုင်း ကျွန် ကျွန် သိုင်း ကို ကျွန် ကျွန် သိုင်း ပျံ ကိုကရဲ ကျီး မျှိတ်နှံ ထိုကရဲး ထိုင်္ပုံထိုးရ ກໍ່ກ່າງຂໍາໃ ກາລື ໃຊ້ກໍ່ສຸ້. ກໍ່ວ່າກໍ່ກາ: ຫລື ຳຂູ້, ໄດ້ຕໍ່: ຫຼືຫຼືງ ທ່າ

¹Book 2, ch. 8 "Farewell to Lórien"

2.5. Black Speech

Not yet implemented

Although the Black Speech is not implemented yet, the One Ring inscription can be reproduced using the Quenya mode as follows:²

डूर दी: स्प्रीचारी, भीटी, पुर्वाहरी

 $^{^{2}}$ This is obviously a bit of a hack, meant only to show how the limitations of hwving only one mode implemented can be circumvented. This example is not supposed to be stable and might render differently in a later version.

3. How to contribute

Any kind of contribution is warmly welcome! Here are a few ways you can help:

- Bug reports: Some text rendering incorrectly in Tengwar? Unexpected formatting? Any other issue with the code or documentation? Please report it! This module was only tested on a very small corpus so far, and identifying any corner case where it does not work as intended is very useful!
- Language help: My knowledge of Tengwar and the languages invented by J. R. R. Tolkien is quite superficial, and I may well have missed or misunderstood some of the rules for writing in Tengwar. If you spot anything that looks wrong, please let me know!
- Implementation: The Typst code is likely not quite as efficient as could be. If you can see better ways to implement something, please feel free to let me now or to submit a pull request with an improved version!
- Feature requests: Any feature request is welcome. I can't promise I'll have the time and knowledge to implement everything that would be nice to have; but if you'd like to see something implemented please let me know—or submit a pull request if you've already implemented it!

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Bibliography

- [1] "elfdict.com." [Online]. Available: https://www.elfdict.com/
- [2] J.R.R. Tolkien, The Lord of the Rings.
- [3] "Quenya Tengwar A mini course by Eruantalincë." [Online]. Available: https://www.councilofelrond.com/languages/QTL.htm
- [4] "Namárië." [Online]. Available: https://tolkiengateway.net/wiki/Nam%C3%A1ri%C3%AB