Zpravodaj 2020/3–4

Zpravodaj is the journal of $\mathcal{C_S}$TUG, the TeX user group oriented mainly but not entirely to the Czech and Slovak languages. The full issue can be downloaded at `cstug.cz/bulletin`.

Petr Sojka, Úvodník [Introductory word]; pp. 105–107

In addition to introducing the content of this Zpravodaj issue, the author talks about changes to the $\mathcal{C_S}$TUG bylaws, about the Zpravodaj digitization project, and about the former $\mathcal{C_S}$TUG president Karel Horák.

Pavel Stříž, Sbohem, drahý Karle, sbohem! [Adieu, Monsieur Karel, adieu!]; pp. 108–117

Karel Horák departed from us on August 22, 2020 at the early age of 66.

Petr Sojka, Ondřej Sojka, Towards new Czechoslovak hyphenation patterns; pp. 118–126

Space- and time-effective segmentation and hyphenation of natural languages stay at the core of every document preparation system, web browser, or mobile rendering system. Recently, the unreasonable effectiveness of pattern generation has been shown — it is possible to use hyphenation patterns to solve the dictionary problem for a single language without compromise.

In this article, we will show how we applied the marvelous effectiveness of `patgen` for the generation of the new Czechoslovak hyphenation patterns that cover two languages. We show that the development of more universal hyphenation patterns is feasible, allows for significant quality improvements and space savings. We evaluate the new approach and the new Czechoslovak hyphenation patterns.

Keywords: hyphenation, hyphenation patterns, `patgen`, syllabification, syllabic hyphenation, Czech, Slovak, Czechoslovak patterns

Petr Olšák, OpTeX – pokračování maker OPmac pro LuaTeX [OpTeX — successor of OPmac macros for LuaTeX]; pp. 127–138

The article describes OpTeX — a LuaTeX format based on plain TeX and OPmac. This macro package was introduced in *TUGboat* and now it is presented for Czech and Slovak users. The presentation is slightly different than in the cited article. For example, the comparison with LaTeX and ConTeXt is mentioned here including benchmarks in tables 1 and 2.

Keywords: OpTeX, LuaTeX, TeX format

Jano Kula, ConTeXt Meeting 2020; pp. 139–146

This is a short report about the ConTeXt Meeting 2020 in Sibřina near Prague.

Keywords: ConTeXt meeting

Taco Hoekwater, MetaPost definitions; pp. 147–167

The paper presents all syntactic rules for definitions in MetaPost. It contains many good and bad examples of definitions.
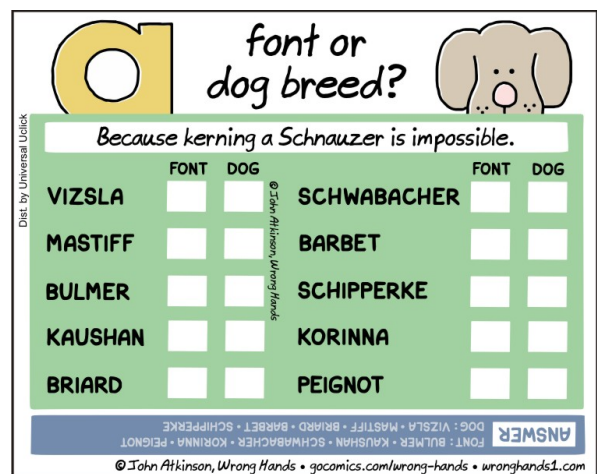
Keywords: MetaPost, definitions

Peter Wilson, It Might Work X; pp. 168–176

This paper shows an example how to use a Lua program to find the number of particular characters in a given text file. The second part of the paper shows ways to change the page layout in LaTeX, with applications for typesetting a multi-page list of figures.

Keywords: Word counting, character frequency, Lua, text file, page layout, `quote` environment, `quotation` environment, `changepage` package, `memoir` class, list of figures

[Received from Vít Novotný.]

Comic by John Atkinson (`https://wronghands1.com`).