**Introductory**

6 Jacques Andrée / Hendrik Vervliet: 1923–2020  
• memorial and summary of work of this noted scholar of typography

4 Barbara Beeton / Editorial comments  
• typography and TUGboat news

10 Karl Berry / T\TeX{} entomology in 2021  
• filtering the incoming bugs for DEK’s 2021 tune-up

65 Karl Berry / Some fonts with recent T\TeX{} support  
• terse showings of some fonts appearing on CTAN in the last year

18 Peter Flynn / Typographers’ Inn  
• Page numbering revisited; Type 1 (PostScript) fonts; Afterthought

12 Jérémy Just / Year 2020 at GUTenberg  
• association is preserved by vote, but the need for more cooperation remains

3 Boris Veytsman / From the president  
• license usage on CTAN; dangers of non-commercial licensing

20 David Walden / Interview with Amelia Hugill-Fontanel  
• discussion with the associate curator at RIT’s Cary Graphic Arts Collection, cary.rit.edu

**Intermediate**

86 Karl Berry / The treasure chest  
• new CTAN packages, October 2020–April 2021

50 Jerzy Ludwichowski / GUST e-fountory font projects, closing report 2019–2020  
• status of OpenType \TeX{} Gyre fonts, including math, and new Algotype font production software

34 Carla Maggi / The DuckBoat — Beginners’ Pond: Crazy Little Thing Called Glue  
• specifying and fixing spacing, horizontal and vertical; and floats

52 Antonis Tsolomitis / The NewComputerModern font family  
• OpenType fonts greatly extending Latin Modern, with complete coverage of Unicode math

40 Joseph Wright / \textbackslash NewDocumentCommand versus \textbackslash newcommand versus ...  
• best practices for using \textbackslash NewDocumentCommand from xparse

**Intermediate Plus**

13 Barbara Beeton / Lapses in T\TeX{} — a look backward  
• alternatives to past decisions that could have alleviated current problems

67 Maxime Chupin / Animating Fourier series decomposition of a character with Lua\TeX{} and MPLIB  
• building an animation of a character’s outline with Lua(TeX) and MetaPost

72 Island of T\TeX{} / Working remotely from an island: arara and other tools  
• build tool arara, font finder albatross, texdoc online

44 Petr Olšák / Comparison of Op\TeX{} with other formats: I\TeX{} and Con\TeX{}t  
• differing concepts, implementations, usage of three formats

41 Joseph Wright / \textbackslash NewDocumentCommand versus \textbackslash newcommand versus ...  
• extended comparison of the xparse \textbackslash NewDocumentCommand to traditional alternatives

**Advanced**

74 Hans Hagen / LuaMeta\TeX{} programming features  
• advances and extensions in \TeX{} programming in the lmtx engine

60 Hans Hagen / Scaled fonts and glyphs  
• engine extensions in lmtx for dynamic glyph scaling

66 Hu Yajie / Improvements to the generalized mediation macros in The \texttt{METAFONT}book  
• meeting the generalized mediation macro challenge in Appendix D of The \texttt{METAFONT}book

7 Donald Knuth / The \TeX{} tuneup of 2021  
• the 2021 updates to \TeX{}, \texttt{METAFONT}, vols. A–E, et al.

81 Igor Liferenko / UTF-8 installations of CWEB  
• changing cweave and ctangle to read/write the Unicode BMP

56 S.K. Venkatesan / An attempt at creating font transitions  
• an example of mathematically interpolating between sans serif and serif fonts

**Reports and notices**

2 Institutional members

11 Barbara Beeton / Hyphenation exception log  
• update for missed and incorrect U.S. English hyphenations; see ctan.org/pkg/hyphenex

83 Boris Veytsman / Book review: Learning \texttt{L\TeX{}}, Second Edition, by David F. Griffiths and Desmond J. Higham  
• learning \texttt{L\TeX{}} by example, updated

84 From other \TeX{} journals: Die \texttt{T\textsc{X}nische Komödie} 4/2020–1/2021; Zpravodaj 2020/3–4

85 John Atkinson / Comic: font or dog breed?

88 TUG Elections committee / TUG 2021 election report

92 Richard Koch / Spending Mac\TeX{} funds

93 Karl Berry / TUG financial statements for 2020

94 \TeX{} consulting and production services

96 Calendar