community

BachoTEX2003

as of old, and some more

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abstract

A (partial) report of GUST's 11th meeting at Bachotek, Poland is given. It is incomplete because I could not understand most of the Polish contributions and I skipped the LaTEX day. It reflects just of one of the threads through BachoTeX03's life. A question is raised: can the TEX-world follow with pdfTEX the evolving PDF standard?

keywords

BachoTEX2003, GUST, Poland

Motivation

Nobody asked me to write a trip report, so I just did it for myself to increase awareness, to remember better what I have picked up, to ponder aloud about ideas which popped up, and not to let it fall into oblivion, not to let it go with the wind. Moreover, it was interesting to experience with this report as a pdfTEX e-paper, with links to WWW addresses, e.g. for the photos. This note is available at `http://home.hetnet.nl/˜cgvanderlaan/notes/bachotex03.pdf` or with the `.tex` extension for the source, instead of the `.pdf` extension. A version with pages of screen size I will consider once I have created a BLUe Φ **O**utpu**T R**outine for the purpose.[1]

Around the meeting

This was the first time I did not really contribute to a BachoTEX I attended, except for me being there.[2] Roughly 60 people participated, of which 6 from Holland, 3 from Germany, 1 from the UK, and 1 from France. No longer the Polish people consider BachoTEX a family affair, also the Dutchies come with their spouses, children and pets. Michael is the example and Sveta + Beer joined me again. Taco and Bianca preferred to celebrate their 10th wedding anniversary at home.

On the (strenuous) way back,[3] I had as driver plenty of time to think it over, while glimpsing the beautiful Polish May landscape, to let the highlights flash-back, to ponder about 'might-have-been's, about missed opportunities, to resmell the smoke of the bonfire,

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1. Is it still needed with scrolling Acrobat? Yes, definitely, it is much nicer. Most likely I will use this approach in next year's report.

2. Well… maybe I contributed in the backwash by writing this report and making earlier BachoTEX reports available on my site. It seems to me that I contributed similarly to TEX's life by my overview notes: What is TEX and MetaFont all about? of 1992, Catching up — pdf and html at the heart of 1998, and my last year's Professionals and amateurs. TEXnically I also contributed, IMHO, but it seems that these contributions have not been perceived as I hoped for, have not gained adherents as Ulrik mentioned to me. However, my paradigm series of notes is available at the TEX-Live 6 CD-ROM (see directory texmf/doc/paradigm), and who knows what more notes of mine are out there, because usually I'm not asked, whether I agree or consider it better to *un*publish. All my work published in MAPS is available on NTG's jubileum CD-ROM of 2001 which contains MAPS1–24, as a wealth of PDFs with search facilities. MAPS issues in HTML are available on the TEX Live CD-ROM.

3. Sveta in her trip report in Russian paid attention to this aspect, and some more.

to retaste the (smoked) sausages and (ashes-baked) potatoes, to allow the fire-spitters,[4] redo their job on my retina, and… last but not least to hear the music, again.

Remarkable about the participants was that quite a few are retired TEXies already, are no longer active with TEX&Co. They only use TEX&Co now and then for their pleasure, while in day-to-day life they are not allowed to use it or just don't use it for various reasons. This reminded me of one of my earlier thoughts about the lifetime of a TEXie.

The logistics of the organization was in good hands: Jola and her team did as usual a good job, all went as smooth as smooth can be. Thank you! The lodging in the various bungalows spread along the lakeside was OK, the weather as usual, the food tasty[5] — de GUSTibus non (TEX) disputandum[6] — and more than sufficient. However, there is one Polish soup — flaki (Eng: tripe), a gourmet of good repute — which I just can't swallow, but Beer really liked it.

The program/conference/organizing committees had it all well organized. The LaTEX issues were concentrated on one day, so plain TEXies like me had a day off. Thank you.

The proceedings were available at the spot as GUST bulletin 19. Thank you, Tomek, Stachek and Piotr! It is a pity that it is not complete, some authors could apparently not make it to submit in time.[7]

The lecture room compared to early BachoTEXs has improved and is technically well-equipped with a 'beamer' connected to a PC to assist the lecturer.[8] The computers in the computer room form an ethernet, and are connected by ASDL to the internet.[9] So, email and browsing the WWW was available for the participants and their families.

Well-done! Thank you Jerzy, Marek…

I should have hanged around more in that room and learn from the experience of those present. For example Ronald Kwee contacted expressions of interest site where he traced the origins of the famous 20%-80% rule.

New, since 1998, is also a bar/café with terraces, to facilitate socializing.

Poland seems to prosper. The countryside is beautiful, especially in May with all those bloosming trees, lilacs, and you name it. Money machines in the streets are common and convenient. There is less police than 10 years ago on the roads near for us foreigners difficult to recognize village/built-up areas to check your speed.[10]

The next BachoTEX will be special: on the 1st of May, Poland will officially join the EEC! Moreover, Poland traditionally celebrates its proclamation on the 3rd of May 1791 of the first modern constitution of all Europe! And for me personally, it will be 10 years ago that I visited BachoTEX for the first time, and 1100_2 years ago that I visited for the first time Hanna, Janusz Bien, Włodek, Jacko and GUST avant la lettre.

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4. Peter is the children's hero: his rockets captivated Maarten among others and with the bonfire Maarten was Peter's best assistent.

5. I love the Polski grip the Polish mushrooms.

6. The slogan on this year's T-shirt.

7. Jacko's second paper is not in there because the editors considered the documentation which comes along with the macros sufficient. I tend not to submit any longer. I freed myself from restrictions/deadlines and I put the material on my WWW site when I'm done with it, like this report. Editors can include the links after verification in their column. There are disadvantages to publishing on the WWW, I know, but I consider the freedom as an extra for the time being, and the way of doing in general for the future — and my TEX&Co future started in 1998 — if not the way out when forced by costs.

8. Or the lecturer can just team up (wirelessly?) the beamer to his private laptop.

9. So, I downloaded my last years work from my site in order to put the notes on display, but… no way: my PDF files could be watched on the screen but not printed?!? After all, I'm happy that it did not work because the pdfbookmark macros contained some serious flaws, ☺.

10. A village/built-up area is/was defined by one or more houses nearer than 50 yards to the road?!?

Presentations

For the conference program visit `http://www.gust.org.pl/BachoTeX/2003`. Nice was as usual the handy map.

Presentation tools

Nowadays pdfscreen[11] seems to be the tool to be used. Although it is handy to have the buttons on the screen I prefer (hidden) links, which don't disturb the contents. It seems that people like to show their new acquired TEXnologies, nothing wrong with that, and forget about the main purpose to convey the matter. It must be said that pdfscreen is more modest than just Acrobat reader with its full control bar.

For me a hypertexted pdf file supported by the keyboard buttons for `next`, `previous`, `end` and `begin` and some hidden links, is enough.

Hans Hagen seemed to have realized this earlier, because in one of his screen-oriented documentations (MetaFun) he realized tiny, very tiny buttons almost hidden in the border, nearly invisible because of the coloured and changing modest passe-partouts. Jacko also practices this approach as can be witnessed from his presentations. Nice!

Lectures

I realize that I won't do justice below to the majority of Polish speakers by not mentioning them. I just could not profit from most of the lectures because they were in Polish (no English abstracts let alone summaries, but… the titles were in English, fortunately.). And… sigh, after so many years I only can approximately say: in (w), yes (tak), no (nie), OK (dobry), bad (zły), good morning/day (dzień dobry), good evening (dobry wieczór), sorry (przepraszam), thank you (dziękuje), don't mention it (niema za co), please (proszę), goodbye (dowidzenia), lake (jezioro), lecture room (sala wykładowa), open (otwarte), closed (zamknięte), key (klucz), how (jak), silent (tigo), sir (pan), dining room (stolowka), breakfast (sniadania), lunch (obiad), dinner (kolacja), menu (karta), beet soup (barszcz), sauerkraut and meat (bigos), mushroom (grip), bon appetit (smasnego), I love you (ja kocham ciewie). I can order a beer/vodka (edno piwo/edna wodka) or a cup of tea/coffee (herbata/kawia) and similar trivia in Polish. No way of reading Polish let alone understanding a lecture, despite my recently acquired knowledge of Russian.[12] I'm sorry.[13] But… there is hope: I learned some more words: plit(ok), streszczenie and klesh,[14] one diminitive Katarzyna, and from my guide the pronunciation of the combination of letters: sz pronounced as sch, cz as tsch, examples steszczin, streszczenie, rz as z, example Andrzej, ch as h, example chchałbym.

There is some good news, however. Zofia Walcsak coined the idea of teaching us Polish before, along and after the conference informally, but more structured than along the meals, social gatherings or during the guitars in the night. And why not a weekly-follow-up of lessons by email? Some sort of network academy? Splendid, we like that.[15] So GUST why don't you give it a try?[16]

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11. I could not spot it, nor its documentation, on the CTAN 2002 CD-ROMs nor on the TEX-live 6 CD-ROM. A keyword facility similar to the one on NTG's MAPS 1–24 CD-ROM of 2001 would be useful.

12. I was pointed out to some dangers: zapomnjat means in Russian to remember and in Polish the opposite: to forget!

13. The simultaneous translations for a small group somewhere in the room is not sufficient either.

14. At home Beer suffered again from several ticks; since last year I go to Bachotek with a tickpincer.

15. Since Januari Sveta and I enjoy satellite TV next to the cable and we can watch Russian TV and…Poland I and II! Who knows what that will bring. I know, I know, no way of picking up a single word at the moment, but maybe there are some educational broadcasts for children?

16. Maybe it will attrack more foreign participants ☺. My wishes? To pronounce the words correctly. To understand the songs and to be able to join the quire in at least one of the traditional Polish bonfire songs. Sveta even talked about a BachoTEX hymn. Katia has promised to send me in PDF one of the Polish songs typeset in Latin Modern, of course, along with an English translation which I'll put on my WWW site, next to the already available Russian songs. Other practicalities are for example to be able to understand the

Installing PostScript fonts for TeX, *Janusz Nowacki*

It was obviously meant for a PC environment, not aimed at people like me, the Mac-ies. I got it that he summarized the files involved — `.tfm .pfb .enc .map (.fd .sty)` — and what to do where, meaning what these files should contain, and where they should be stored and under what name. Moreover, he used BoP's TOIL, ie the **T**ype **O**ne **I**nstalling Uti**L**ity. I like it when people write down the results after one has found one's way through the mass.

So, the installation and (mixed) use of (new) fonts in TeX is still a nuisance, not yet solved in an easy way, I presume?

Anecdote. Janusz has the reputation of not understanding nor speaking English, but since The EuroTeX at Kerkrade, since his lecture supported by slides/e-paper in English, he has proven that Polish TeX-ies improve on themselves. So Janusz rehearse on it another time, if it is not too cumbersome.

Latin Modern, or an abundant extension of the Computer Modern family by accented characters using MetaType1, *Bogusław Jackowski*

It was all about diacritical characters as extensions to the CM fonts. As usual Jacko's contributions are very well-prepared. It seems that he is a professional in the sense of G.E.Forsythe: 'a professional starts where an amateur ends.' He provided English copies of his e-pages, the digital follow-up of the old transparencies, slides or foils. Moreover, the underlying paper in the proceedings was in English. Thank you Jacko! His walk along history lane of character embellishments, well necessary extras, was apparently influenced by the lecture style of Andrzej Tomaszewski. Nice! These new Latin Modern fonts, geared towards Polish diacritical characters, will be released in the exotic Hawaii. Thank you Jacko, your BoP company and the sponsors: DANTE, NTG….

Polishing TeX has a history already. I remember the beginnings where the precise positioning of the embellishments were at stake. Now it is about uniting elements, about composed characters as *one* integrated symbol, in order to get rid of the problems in scaling among others, I presume?

MetaPost macros for dashing of closed areas, *Bogusław Jackowski*

He made use of the fact that MetaPost allows multiple occurrences of the operator `withcolor` in a single drawing statement. Thanks to that property the operator `withcolor` can cleverly be redefined to perform hatching rather than filling. Nice! I have to study the details and (re)do it to get the hang of it. I guess that the macros are available on the GUST fileserver for TeX&Co materials.[17]

Indexing in Polish textbooks, *Włodek Bzyl*

His approach to indexing — linear sorting on the fly — is interesting. We'll soon be able to watch the real-life example of the Polish version of the TeXbook. One remark, however. Why not just improve on Knuth by doing the sorting as sidestep from TeX,[18] ie as a subtask controlled by TeX, and not necessarily done by TeX as I did?

Typesetting tables using Metapost, *Piotr Bolek*

An interesting contribution because he essentially introduced the concept of layers — as we know already from Adobe's Photoshop — to TeX&Co.[19] Volker Schaa communicated

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information on the street about car parking, and when and where we sould obey what speed limits.

17. The GUST fileserver was also subject of a BoF.

18. The magical `\write18` with functionality to have access to system commands from within TeX, was in the early nineties opposed by… Knuth!

19. Well, not true. Knuth already in his OTR approach used the overlay idea for printing multi-columns. I guess that Hans created a ConTeXt OTR in order to include (coloured/changing) backgrounds of all sorts, not in the least for his e-papers. In PS we had the old overprint of DRAFT or CONFIDENTIAL all over the page in a shade of grey. I know, I know, one of those other missed opportunities: I should have talked

that there are problems to come when the tables interact with for example the text around. Moreover, Volker mentioned that layers are *the* new issue of Acrobat 6, which triggered some thoughts with respect to the evolving pdf standard and pdfTEX, or better the niche for TEX in there.

TEX tools in Windows XP or how to bite a cactus,   *Pawel Jackowski*
Yes, this is the first time I attended a TEX- lecture of Jacko's son. As far as I understood, he mentioned the confusing differences in how to use TEX under various OS's on a PC. How to cope with it — bite the cactus — I could not grasp. Funny, and well-done in the family tradition.

Typescripts: the ConTEXt way of combining font families,   *Hans Hagen*
Interesting and powerful how Hans solved the problem of mixing fonts, while paying attention to the quality aspects. Apparently, the virtual fonts idea is not enough. As of yet I have no hands-on with ConTEXt, but I'll give it a try once I have a new computer, and will pick from Hans' brains by looking under the hood.

How to make Jerzy love TEX again?,   *Hans Hagen*
This lecture was all about showing the power of PDF forms when used together with TEX&Co. The text is not entered through an editor but through a pdf form, which he believes is a user-friendly way of using TEX. The user doesn't have to be aware that TEX&Co are under the hood. Hmmm, I see the claim, but…. What are the applications suited for this approach? What are the limitations? Let us wait and see for Jerzy's answer.[20]

Hans uses for the purpose: pdfTEX, Acrobat based GUI, ConTEXt macros, PERL and Ruby scripts, XML dataflows, a watched folder system, collection of Ruby modules, classes and applications. Impressive!

Hyperref package,   *Martin Schröder*
A bit fast to my taste he summarized the possibilities of this package written by Sebastian Rahtz in the late nineties. I missed examples. I pity that he did not mention that PS pictures should separately be converted to PDF (or PNG), as he told me later privately. So, older scripts to be enriched by hyperrefs should also be adapted with respect to markup and the accompanying (PostScript, …) pictures should be transformed into PDF (or PNG) as well.[21]

It is just a pity that I could not understand Grzegorz lecture 'Towards better quality of pdf files,' which I guess is related to the above and to the work I started last year, although I took the quality for granted.[22]

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to Hans about this and about a lot more.

20. By the way Jerzy's complaint is that TEX is not user-friendly.

21. As far as I understand, ConTEXt does support creation of PS pictures via MetaPost and inclusion of these in PDF e-paper on the fly.

22. Yes, yes, I agree I should have talked to him, this is one of the might-have-beens I realized too late. Equally well — another missed opportunity — I should have talked to my friend Radek, about his usage of the Titanium Mac, simply because I'm about to buy a G4 Mac, either the Quicksilver or the Titanium notebook. I also would have liked to ask him about audio→MP3 conversion, and maybe he could have demonstrated it, and I could have judged the results. The results I get are insufficient, maybe because my hardware is too limited. Erik, yes he uses a Titanium nowadays, could not demonstrate it either because it seems that iTunes 3 with respect to MP3 conversion offers you the possibility to burn a CD in MP3, and not the possibility to simply convert an audio file into MP3. iTunes 4 seems to offer what I need. Radek's wireless contacting the ethernet access-point through the built-in airport (extreme?) did not work on the spot, alas. The functionality is nice and I would have liked to watch its performance.

BoFs

One was about the GUST file server for TEX&Co materials — o Polskiej Bibliotece Internetowej — in Polish, ☺. This was in parallel with Jerzy's BoF, so we were not left unattended.

The future of European LUGs,   *Jerzy Ludwichowski*

Maybe there was a change in the program, because his guidance was all about fund-raising from 'Brussels' and what sensible projects we could define for the purpose.[23]

Hmmm, I wish him all the success he can get, but I doubt it that he will succeed.
The reason?
We had great and appealing projects like NTS, and we failed![24]

Moreover, I think that we are too narrow-minded, too much involved with TEX's purpose and possibilities. We should have an eye for multi-media — oh yes I know it is a buzzword — but 10 years ago I already day-dreamed in this direction, see my What is TEX and Metafont all about?

We could start a multi-media project in teaching, eg 'Polish for foreigners', with TEX&Co somewhere under the hood.[25] Hans' forms could be used as interface for drilling, such that one can only proceed when results of the tests so far are sufficient. This kind of computer-assisted multi-media training I watched in practice when Sveta was learning Dutch. It is the modern way of learning foreign languages.

The point I like to make is that next to typesetting one badly needs compact sound (and video) for e-paper on CD-ROM/DVD and WWW, but this is beyond TEX's purpose. For acceptable transport time on the WWW we need still better compression techniques and/or faster transmission possibilities.[26] MP3 as compression for audio is not perceived as good enough. The multi-media examples I like are art CD-ROMs such as 'Escher Interactief' and 'Het mysterie Margritte — een surrealistische ontmoeting met Margritte,' the various CD-ROM encyclopedia, the e-dictionaries with pronunciation options, and the 'Wining-and-Dinings' to learn Spanish cooking for example.

Another aspect why we are in a weak position with respects to grants is that volunteers-biased User Groups, are not the structures for making real advances. Developments are made! Definitely! Somebody,[27] sometime, somewhere at BachoTEX made the remark that real progress can apparently only be made at an University where PHD-students may invent new techniques supervised by a professor with vision, like Knuth, in want for the results. Hàn Thế Thành, with his pdfTEX, guided by Jiři Zlatuška, seems to be an example.

Workshops

As usual before and after the meeting tutorials were offered. Very useful for the newcomers and for those who want to embark on a new corner of TEX&Co.

Andrzej on bookcover design, Chris on digital presentations tools, Janusz Bien on GNU emacs for LaTEX users, Jacek Kmiecik on LaTEX–a second step, and Stachek on configuring and fine-tuning of TEX installations under windows and linux.

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23. I'm sorry that I did not make notes of the projects Jerzy listed.

24. A less ambitious project was LaTEX3 which also seems to have slipped of the road. eTEX and PDFTEX, a nearly one man's effort, are successful, though.

25. Is the functionality–Polish for foreigners on CD-ROM/DVD–already available? If not that can be granted, I'm sure.

26. Maybe, internet via satellite?

27. Was it Ulrik?

Social events

Bonfire

The social event is the traditional bonfire with sausages to be grilled and potatoes to be baked in the ashes, while the 'guitars in the night' are playing with the people around as quire.

Jacko and his family are really great, not only because of their guitar playing: their a capella is something you should have listened to at least once in your life.

It must be said that not only Polish songs are sung, but also Ukrainean, Russian, and… English! In the early BachoTEX's we had Phil's share and last year David Kastrup treated us on some of Leonard Cohen. Then, I was very much surprised by Marek Czubenko, who did not only join in singing the Polish, Ukrainean and Russian songs but als those of Cohen!

Orienting competition

Another off-off social event was the orienting competition. These competitions are quite popular in Russia and apparently in Poland. Pecular! Funny! Tuned for the ocasion, was how you could score. Not only by finding the spots but also by emptying the bottle of beer: bringing the empty bottle(s) yields 1 extra point for each bottle and a cap yields 2 bonus points. Nice, well-done! Thank you Piotr and …

Annual assembly

I really can't tell what it was all about, but big laughter there was. I trust the GUST membership to decide the right things, so my default in voting is to obstain. Two motions were tabled, explained in English, and after voting accepted with one obstention, ☺. To understand the words of a motion is one thing, to realize the implications is another.

Pictures, alas no sound nor video

What is the value of a BachoTEX report without pictures, without sound?[28] From the last EuroBachoTEX a wealth of photo galleries is available at `http://www.gust.org.pl/BachoTeX/2002`. I guess that when you read this report the photos of the corresponding year 2003 will also be available.

Paweł Jackowski mentioned `http://www.jaroslaw.pl/festiwal`.[29]

I don't know about a site with Polish music (sound, lyrics (translated), but those who want some Russian–lyrics (with transliterations or translations)–are invited to visit my site and find some links to Russian (bard) music.

I wonder when we may enjoy the bonfire songs from GUST's site.

Evolving PDF standard

At the moment we have PDF 1.5 with Acrobat 6 around the corner. Jacko's octopussy model of several years ago with PS at the heart, is replaced by PDF as the essential format

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28. One or two pictures won't do, although as for all we know a picture is worth a thousand words. Moreover, I have to wait untill I have ended my film in my camera and have the film developed, printed and digitally written to CD. (My digital Quicktake 200 is out of order, alas.) Pondering over an e-paper approach I don't know as of yet what is the good approach compatible with TEX&Co. If we also like to have video in TEX&Co then we have to use Adobe's Acrobat. Acrobat ≥ version 5 allows sound and video import, and I read that pdfTEX offers facilities for this. So, we have either the old approach of just (digital) picture inclusion for books, reports and ilks or the CD-ROM multi-media approach. Interesting! For this report I only included links to WWW's with photos (gallery of pictures), no sound as of yet, alas. For the music you still have to join a BachoTEX, nothing can replace BachoTEX-live.
29. It is about last years festival in the fall: pesni nashi koreni (songs of our roots).

to go to and from.

If we use one or more layers of PDF 1.5 for TEX&Co then we can always go *back* form this PDF layer to TEX, realizing the functionality of `.tex` ↔ `.pdf`, after another tool has been used to modify some other layer.[30]

The complexity of cooperating tools is decoupled, as long as we don't flatten the layers. PDF 1.5 and Acrobat 6 are potentially very useful.

Adobe Nederland in their recent Acrobat 6 introductory seminar advocated the use of layers for languages: a PDF file may contain layers with English, Dutch, Polish… translations. Automatic translation just has started but the results are still very poor.

Maybe, the workflow `.tex` $\xrightarrow{\text{TEX}}$ `.dvi` $\xrightarrow{\text{DVIPS}}$ `.ps` $\xrightarrow{\text{Distiller}}$ `.pdf` is better suited for keeping pace with the evolving PDF standard than the shortcut `.tex` $\xrightarrow{\text{pdfTEX}}$ `.pdf`.

In my e-paper paradigm notes I will exercise both approaches–with or without PostScript– summarize the advantages and disadvantages and come up with conclusions.

I wonder whether we can keep pace with the evolving PDF standard in pdfTEX. Apple has the same problem because from OS X onwards the screen is PDF oriented.

Conclusions

As one can see it is no surprise that the BachoTEXs are well-attended. All the TEXnical ingredients are there and well-cooked. Social life is very cosy and the location excellent. Moreover, if the meal goes with some music it can't be but a success. This time was no exception. For me the BachoTEXs are the off-off-TUG meetings, they substantiate the TEX-life I like.

Acknowledgements

Thank you GUST for having invited me again,[31] you have definitely switched me in TEX&Co active mode again, although there is much activity in the world outside, the world beyond TEX&Co's purpose. Thank you conference committee and speakers for the nice material you offered. Thank you Jola for all the care you gave us, especially for organizing the lunch package which paved our way back. Thank you photographers for making your photos available, such that I could incorporate in this report links to them.[32] Thank you all those present for the nice and cosy atmosphere.

See you next year,[33] if not earlier. My case rests, have fun and all the best.[34]

Appendices

Experience in writing this e-paper

I ended up with a hybrid, a mixture, of a classical paper and an e-paper, take for example the page size which is A4 biased and that photos are not included but just linked to, which adheres to the hypertext idea.

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30. The functionality, meaning, we can just refresh the TEX&Co layer(s) independently of (what we did with) the other layers.

31. But, as promised on the EuroBachoTEX I would have come, nonetheless.

32. Not all photos linked to are taken at BachoTEX2003, but IMHO that does not really matter for conveying the impression.

33. For next year I intend not only to contribute a lecture or two, but also try the near to impossible to familiarize myself with the flavour of Polish, and grasp the opportunity to talk to people, getting rid of the missed-opportunities syndrome. Then there is my long-standing wish to join the 'guitars in the night' on my ocarino donated by Grizina, some years ago… keep fingers crossed.

34. Errors in this note? Do drop me an email: `mailto:cgl@hetnet.nl`.

Troublesome is the handling of links to WWW addresses. My macros have been adapted such that the links are also written to a file, in order to maintain a survey of what is used. There is no warning whatshowever when an address becomes obsolete and the link dangling. That is what modern general hypertexts entail, I'm afraid.

Photos I did not include but just hyperlinked to them. This entailed a separation of the text and coloured photos. Watched interactively, it adds context information to the photos which is added value compared to just a photo gallery.

A PDF file put in a directory on my site won't be searched by search engines for META information. The search engines just look for the META information provided in a HTML page.

It seems that my pdfTEX version, based on PDF 1.2 according to the file info, contains a flaw with respect to apostroph's, where the apostroph disappears.

Used WWW links

P15 http://home.hetnet.nl/~cgvanderlaan/
P15 mailto:cgl@hetnet.nl
P15 http://home.hetnet.nl/~cgvanderlaan/notes/bachotex03.pdf
P15 http://home.hetnet.nl/~cgvanderlaan/notes/bachotex03.tex
P15 http://www.gust.org.pl/EuroBachoTeX/photos/PBolek/imagepages/image15.htm
P15 http://home.hetnet.nl/~cgvanderlaan/notes/overview.pdf
P15 http://home.hetnet.nl/~cgvanderlaan/notes/texandco.pdf
P15 http://home.hetnet.nl/~cgvanderlaan/notes/profsandamateurs.pdf
P15 http://home.hetnet.nl/~slmorozova/notes/polen03ru.txt
P16 http://www.gust.org.pl/EuroBachoTeX/photos/KBazargan/imagepages/image2.htm
P16 http://www.gust.org.pl/EuroBachoTeX/photos/PBolek/imagepages/image9.htm
P16 http://www.gust.org.pl/EuroBachoTeX/photos/TSheibak/imagepages/image10.htm
P16 http://home.hetnet.nl/~cgvanderlaan/plaatjesmap/bungalow.jpg
P16 http://www.gust.org.pl/BachoTeX/2003/plan_bacho.html
P16 http://www.xs4all.nl/~rkwee/20030430bachotex/web/
  20030502Hanna_Kimia_Albert_Maarten_Kim_Peter_Sam_water_rocket_launcher_at_lake.jpg
P16 http://www.gust.org.pl/EuroBachoTeX/photos/PBudzik/imagepages/image5.htm
P16 http://eoi.cordis.lu
P16 http://www.xs4all.nl/~rkwee/eurobachotex/web/20020503x_Stanislav_x.jpg
P16 http://www.gust.org.pl/BachoTeX/2003
P17 http://home.hetnet.nl/~cgvanderlaan/notes/bachotex94.pdf
P18 http://www.gust.org.pl/EuroBachoTeX/photos/MWolinski/imagepages/image10.htm
P19 http://www.xs4all.nl/~rkwee/20030430bachotex/web/20030503Radek_Anna.jpg
P20 http://home.hetnet.nl/~cgvanderlaan/notes/overview.pdf
P21 http://www.gust.org.pl/BachoTeX/2002
P21 http://www.jaroslaw.pl/festiwal
P21 http://home.hetnet.nl/~cgvanderlaan/russian.html