This is a list of all substantial corrections made to Computers & Typesetting from the mid-1990s until the first "Millennium edition" was published at the end of the year 2000. Corrections made to the softcover version of The  $T_EXbook$  are the same as corrections to Volume A. Corrections to the softcover version of The METAFONT book are the same as corrections to Volume C. Changes to the mini-indexes and master indexes of Volumes B, D, and E are not shown here unless they are not obviously derivable from what has been shown.

Page A3, line 14 (in certain printings only)	(9/6/00)
that looks like ' or ´.	
Page A8, lines 14 and 15	(9/6/00)
that is not to be ignored. Notice that $\_{\sqcup}$ is a control sequence kind, namely a control symbol, since there is a single nonletter	
Page A43, line -17	(8/4/98)
into your manuscript, if the b-key on your keyboard is broken.	(An optional
Page A88, lines 14, 16, 18, and 21	(8/12/00)
[Insert two blank spaces between 'blank space' and '}']	
Page A96, lines 9 and 10	(8/6/98)
Before 1998, some German words changed their spelling whe lines. For example, 'backen' became 'bak-ken' and 'Bettuch' sometime	-
Page A107, line 2	(8/5/98)
ually, you might be tempted to set $\texttt{tolerance=10000}$ ; this allow	's arbitrarily bad
Page A115, line -19	(8/5/98)
If there's no room for such an insertion on this page, $T_{\ensuremath{\text{E}}} X$ will insert	it at the top of
Page A119, line 15	(8/5/98)
of \dimen3, assuming that \dimen3 is positive.	
Page A182, middle line of the displayed commutative diagram	(12/3/99)
$0 \longrightarrow \mathcal{O}_C \xrightarrow{\pi} \pi_* \mathcal{O}_D \xrightarrow{\delta} R^1 f_* \mathcal{O}_V(-D) \longrightarrow$	0
D 4000 1: 0	(0/5/00)

Page A233, line $-2$				(8,	(5/98)
could avoid this by adding	\hskip Opt minus-1fil;	then an	oversize	$\operatorname{text}$	would

Page A277, line 1	(8/5/98)
$\langle code assignment \rangle \longrightarrow \langle codename \rangle \langle 8-bit number \rangle \langle eq$	$ uals\rangle\langle number\rangle$
Page A277, line -11	(8/5/98)
[Move this line, which defines (at clause), up to the top of the	e page.]
Page A289, line 24	(2/3/97)
$\langle \mathrm{math~field} \rangle \longrightarrow \langle \mathrm{filler} \rangle \langle \mathrm{math~symbol} \rangle \mid \langle \mathrm{filler} \rangle \{ \langle \mathrm{math~symbol} \rangle \mid \langle \mathrm{filler} \rangle \} \langle \mathrm{math~symbol} \rangle $	h mode material $\rangle$ }
Page A309, line 3	(8/12/97)
<b>8.4.</b> $a_3 x_{11} a_7 2_{12} a_3 a_{13} u_{10}$ <b>TeX</b> $b_{11} v_{11} u_{10}$ . The final	al space comes from the
Page A313, line 24	(9/19/00)
stands for '\par\vfill', so the next three commands are	
Page A313, line 27	(9/19/00)
{vertical mode: \par}	
Page A318, lines 12 and 13	(8/5/98)
15.8. \advance\dimen2 by\ifnum\dimen2<0 -\fi.5\dimes \divide\dimen2 by\dimen3 \multiply\dimen2 by\	
Page A325, line 22	(12/3/99)
0&&{\cal 0}_C&\mapright\pi&	
Page A337, line 3 from the bottom	(9/6/00)
DONALD E. KNUTH	H, The T <sub>E</sub> Xbook (1984)
Page A348, lines 14–16	(8/6/98)
\def\@if#1{true}{\let#1=\iftrue}% \expandafter\expandafter \def\@if#1{false}{\let#1=\iffalse}%	
Page A356, line 21	(8/6/98)

\def\AA{\leavevmode\setbox0=\hbox{!}\dimen@=\ht0 \advance\dimen@ by-1ex

Page A356, lines 9–21 from the bottom	(8/6/98)
\def\S{\mathhexbox278} \def\P{\mathhexbox27B} \def	\mathhexbox20D}
<pre>\def\oalign#1{\leaveymode\baselineskipOpt \linesk \ialign{##\crcr#1\crcr}} \def\o@lign{\lineskiplimit= \def\ooalign{\lineskiplimit=-\maxdimen \oalign} % chars {\catcode'p=12 \catcode't=12 \gdef\\#1pt{#1}} \let\getf \def\sh@ft#1{\dimen@=#1 \kern\expandafter\getf@ctor\the \dimen@} % kern by #1 times the current slant \def\d#1{{\o@lign{\relax#1\crcr\hidewidth\sh@ft{-1ex}.\ \def\b#1{{\o@lign{\relax#1\crcr\hidewidth\sh@ft{-3ex}% \vbox to.2ex{\hbox{\char'26}\vss}\hidewidth}}} \def\c#1{{\setbox0=\hbox{#1}\ifdim\ht0=1ex \accent'30 # \else\unhbox0\crcr\hidewidth\char'30\hidewid \def\copyright{{\ooalign{\hfil\raise.07ex\hbox{c}\hfil\</pre>	<pre>Opt \oalign} over each other @ctor=\\ \fontdimen1\font hidewidth}} 1% th}\fi}</pre>
Page A364, line 9	(8/9/98)
<pre>\def\makefootline{\baselineskip=24pt \lineskiplimit=0pt     \line{\the\footline}}</pre>	
Page A364, line 4 from the bottom	(8/6/98)
$\label{eq:loss} $$ def\{mtversion{3.1415926} % identifies the current for $$ and $$ a$	mat
Page A447, bottom line	(6/3/98)
— JOHN SMITH, The Printe	er's Grammar (1755)
Page A450, lines 11–13	(4/12/98)
between 'e' and 'n' there are five relevant values in this ca 0 from $_{0}h_{0}e_{0}n_{0}a_{4}$ , 0 from $_{0}h_{0}e_{0}n_{5}a_{0}t_{0}$ , 1 from $_{1}n_{0}a_{0}$ , and 0 maximum of these is 2. The result of all the maximizations	) from $_0n_2a_0t_0$ ; the
Page A453, line 6	(8/5/98)
tion dictionary, except that plain $\mathrm{T}_{\!E\!} \! X$ blocks hyphens after the	very first letter or be-
Page A458, left column	(9/6/00)
<ul> <li>≤, 45, 135, 368-369; see also \1e.</li> <li>≠, 45, 135, 368-369; see also \ne.</li> <li>≥, 45, 135, 368-369; see also \ge.</li> </ul>	
Page A458, right column	(7/5/99)

 $\uparrow$  and  $\downarrow,$  135, 343, 368–369, 429; al-Khwârizmî, abu 'Abd Allâh Muḥammad ibn Mûsâ, 53.

Page A464, right column	(8/6/98)
*\edef, 215-216, 275, 328, 373-374.	
De ma AACC minister enhancement	(8/8/00)
Page A466, right column	(8/8/98)
\getfactor, 356, <u>375</u> , 398.	
Page A467, right column	(8/5/98)
*\hfilneg, 72, 100, 283, 285, 290, 397.	
Page A469, left column	(8/5/98)
italic type, 13–14, 100, 127, 165, 409, 428, 430.	
Page A469–A477, passim	(5/13/98)
Add page 272 to the index entries for \lastskip, \pagedepth, \page \pagefillstretch, \pagefilstretch, \pagegoal, \pageshrink, \page \parshape, \prevdepth, and \spacefactor.	
Also change '369' to '370' in the index entries for \lbrack, \lq, \rbrack	rack, $rq$ , $sb$ , and $sp$ .
Also change 'Luckombe, Philip' to 'Smith, John'.	
Page A472, right column	(8/6/98)
*\noexpand, <u>209</u> , <u>213</u> , 215, 216, <i>377</i> , <i>424</i> .	
Page A473, left column	(8/6/98)
\Orb ( ( ), <u>356</u> .	
Page Bix, line 16	(1/16/00)
• "Word hy-phen-a-tion by com-put-er" by Frankl	in Mark Liang, Stan-
Page Bxiv, line 13	(4/19/96)
preprocessor converts these into numeric constants that a	are 256 or more. This
Page Bxiv, line -1	(4/19/96)
This file contains one line per string, starting with string number	er 256, then number 257,
Page Bxv, lines 10 and 11	(4/19/96)
In this case, occurrences of "" in the WEB program will be replace "This longer string" will be replaced by 257. The symbol @\$	
Page B2, line -10	

(3/8/95)

 $\mathbf{define} \ \textit{banner} \equiv \texttt{`This}_{\sqcup}\texttt{is}_{\sqcup}\texttt{TeX}, \_\texttt{Version}_{\sqcup}\texttt{3.14159} \texttt{`} \ \{ \text{ printed when } \mathsf{T}_{E}\!\mathsf{X} \ \mathrm{starts} \, \}$ 

Page B169, line 13	(9/22/95)
something in a "muskip" register, or to one of the three parameters \thinmus	kip, \medmuskip,
Page B221, line 9	(3/4/95)
<b>define</b> $non\_address = 0$ { a spurious $bchar\_label$ }	
Page B221, line 17	(3/4/95)
font_params: <b>array</b> [internal_font_number] <b>of</b> font_index; { how many font parameter	ers are present
Page B256, insert new line 12 before the bottom	(3/7/95)
$glue\_temp: real; \{ glue value before rounding \}$	
Page B258, line 11 before the bottom becomes four lines	(3/7/95)
<pre>625. define billion ≡ float_constant(100000000) define vet_glue(#) ≡ glue_temp ← #;     if glue_temp &gt; billion then glue_temp ← billion     else if glue_temp &lt; -billion then glue_temp ← -billion     ⟨Move right or output leaders 625⟩ ≡</pre>	
Page B258, lines 3–6 from the bottom	(3/7/95)
$\begin{array}{l} \mathbf{begin} \ vet\_glue(float(glue\_set(this\_box)) * stretch(g));\\ rule\_wd \leftarrow rule\_wd + round(glue\_temp);\\ \mathbf{end};\\ \mathbf{end}\\ \mathbf{else} \ \mathbf{if} \ shrink\_order(g) = g\_order \ \mathbf{then}\\ \ \mathbf{begin} \ vet\_glue(float(glue\_set(this\_box)) * shrink(g));\\ rule\_wd \leftarrow rule\_wd - round(glue\_temp);\\ \end{array}$	
Page B260, line 13 from the bottom	(6/26/93)
$doing\_leaders \leftarrow outer\_doing\_leaders; \ dvi\_v \leftarrow save\_v; \ dvi\_h \leftarrow save\_h; \ cur\_v \leftarrow save\_v; \ dvi\_h \leftarrow save\_h; \ cur\_v \leftarrow save\_h; \ dvi\_v \_v \_v \_v \leftarrow save\_h; \ dvi\_v \_v \_$	base_line;
Page B261, insert new line after line 7	(3/7/95)
$glue\_temp: real; { glue value before rounding }$	
Page B262, lines 3–6 from the bottom	(3/7/95)
$\begin{array}{l} \mathbf{begin} \ vet\_glue(float(glue\_set(this\_box)) * stretch(g));\\ rule\_ht \leftarrow rule\_ht + round(glue\_temp);\\ \mathbf{end};\\ \mathbf{end}\\ \mathbf{else} \ \mathbf{if} \ shrink\_order(g) = g\_order \ \mathbf{then}\\ \mathbf{begin} \ vet\_glue(float(glue\_set(this\_box)) * shrink(g));\\ rule\_ht \leftarrow rule\_ht - round(glue\_temp); \end{array}$	

Page B264, line 22	(6/26/93)
$doing\_leaders \leftarrow outer\_doing\_leaders; \ dvi\_v \leftarrow save\_v; \ dvi\_h \leftarrow save\_h; \ cur\_h \leftarrow left\_ederderderderderderderderderderderderder$	lge;
Page B297, line 11	(3/7/95)
$width(p) \leftarrow mu\_mult(width(p)); \ subtype(p) \leftarrow explicit;$	
Page B309, line 7	(9/22/95)
$ if \ cur\_style < text\_style \ then  \{ display \ style \} $	
Page B356, line $-5$	(3/4/95)
$hang_after = 1$ , and $hang_indent = 0$ . Note that if $hang_indent = 0$ , the value of h	$nang_after$ is
Page B388, bottom line	(3/4/95)
if $bchar_label[hf] \neq non_address$ then { put left boundary at beginning of new line }	
Page B406, line 10	(5/1/98)
$q \leftarrow p; \{ \text{now node } q \text{ represents } p_1 \dots p_{l-1} \}$	
Page B503, line 12	(3/4/95)
of the following procedure. (Exception: The tabskip glue isn't trapped while preamb scanned.)	les are being
Page B529, line 12	(3/4/95)
$undump(0)(fmem\_ptr - 1)(bchar\_label[k]);$ $undump(min\_quarterword)(non\_char)(font\_bchar[k]);$	
Page B531, line 2	(11/23/98)
from appearing again.	
Page B531, line 14	(11/23/98)
$print\_int(year); \ print\_char("."); \ print\_int(month); \ print\_char("."); \ print\_int(day);$	
Page B534, insert new material between lines $-16$ and $-15$	(3/20/95)
while $input_ptr > 0$ do if $state = token_list$ then $end_token_list$ else $end_file_reading$ ;	
Page B534, line -2	(3/20/95)

 $temp\_ptr \leftarrow cond\_ptr; \ cond\_ptr \leftarrow link(cond\_ptr); \ free\_node(temp\_ptr, if\_node\_size);$ 

Page B535, line 9		(3/20/95)
$\frac{\text{lage Boos, line of}}{\text{begin init for } c \leftarrow top\_mark\_code \text{ to } split\_bot\_mark\_code \text{ do}} \\ \text{if } cur\_mark[c] \neq null \text{ then } delete\_token\_ref(cur\_mark[c]);} \\ store\_fmt\_file; \text{ return; tini}}$		(0/20/00)
Page B581, Zabala entry		(8/19/00)
Zabala Salelles, Ignacio Andrés: 2.		
Page C17, lines 12 and 13	(9/6/00)	
draw $z_4 \{ \operatorname{curl} 0 \} \dots z_2 \{ z_3 - z_4 \} \dots \{ \operatorname{curl} 0 \} z_3;$ draw $z_4 \{ \operatorname{curl} 2 \} \dots z_2 \{ z_3 - z_4 \} \dots \{ \operatorname{curl} 2 \} z_3$		
Page C23, line $-7$	(8/5/98)	
$x_1 = ss = w - x_5;  y_3 - y_1 = ygap$		
Page C69, line 17	(9/6/00)	
"abra", while $p_1$ is '(0,0) (3,3)' and $p_2$ is '(0,0) (3,3) cycle'.		
Page C94, line -11	(3/4/95)	
put are assumed to have square pixels. But if, for example, the m	node_def sets	
Page C107, line 15	(3/4/95)	
labels(1a, 1b, 2a, 2b, 3a, 3b, 4a, 4b, range 1 thru 36); endchar;		
Page C123, lines 21 and 22	(12/19/95)	
$ \begin{array}{c} & \bullet \text{EXERCISE 14.3} \\ & \text{Use a rotated quarter-circle to produce } & & & \\ & & & \\ \end{array} $		
Page C129, lines 6–17	(8/5/98)	
<pre>⟨path primary⟩ → ⟨pair primary⟩   ⟨path variable⟩   ( ⟨path expression⟩ )   reverse ⟨path primary⟩   subpath ⟨pair expression⟩ of ⟨path primary⟩   subpath ⟨pair expression⟩ of ⟨path primary⟩   ⟨path secondary⟩ → ⟨pair secondary⟩   ⟨path primary⟩   ⟨path secondary⟩ ⟨transformer⟩   ⟨path secondary⟩ (transformer⟩   ⟨path tertiary⟩ → ⟨pair tertiary⟩   ⟨path secondary⟩   ⟨path subexpression⟩ ⟨direction specifier⟩   ⟨path subexpression⟩ ⟨path join⟩ cycle   ⟨path subexpression⟩ (path expression⟩   ⟨path subexpression⟩ ⟨path pion⟩ ⟨path tertiary⟩</pre>		

Page C134, line 8	(3/4/95)
of p; if $t \leq 0$ , precontrol t of p is $z_0$ . In particular, if t is an	integer, postcontrol $t$ of $p$
Page C139, illustration	(8/5/98)
[Remove the labels 2r, 2, and 21 below their dots.]	
Page C143, top two lines	(3/4/95)
In order to have some transform variables to work w some declarations and commands before giving the	
Page C147, lines 14, 16, and 19	(9/6/00)
[Change 'savepen' to 'savepen'.]	
Page C147, line 2 from the bottom	(9/6/00)
FONT's <b>penrazor</b> stands for ' <b>makepen</b> $((5, 0) - (.$	- cycle)', and <b>pensquare</b>
Page C171, line 19	(8/5/98)
((path tertiary)) and ((pair tertiary)). A pair expression of the expression of the tertiary $\lambda$	on is not considered to
Page C172, line 14	(8/5/98)
been evaluated and changed to numeric tokens before	being substituted for $s$ .
Page C175, line 23	(1/11/88)
expand into a sequence of tokens. (The language SIMULA	67 demonstrated that it is
Page C206, minor changes to lines $-19$ to $-5$	(3/4/95)
Path at line 15, before subdivision into octants:	
(1.53745,9.05345)controls (1.53745,4.00511) and (§	
(10.85147,-0.00049)controls (16.2217,-0.00049) ; (20.46255,9.94655)controls (20.46255,14.99713) ;	
(11.13652,19.00049)controls (5.77066,19.00049) a	
Cycle spec at line 15, after subdivision:	
(1.53745,9.05345) % beginning in octant 'SSE'	
controls (1.53745,6.58786) and (2.54324,4.371)	
(4.16621,2.74803) % segment 0 % entering octant 'ESE'	
controls (5.8663,1.04794) and (8.24362,-0.0004	9)
(10.85147,-0.00049) % segment 0	

% entering octant 'ENE'

 $\ldots$  and so on; there are lots more numbers! What does this all mean? Well, the first segment of the curve, from (1.53745,9.05345) to (10.85147,-0.00049), has been

```
Page C207, minor changes to lines 1–23
```

```
(3/4/95)
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```
Cycle spec at line 15, after subdivision and autorounding:
(2,9.05348) % beginning in octant 'SSE'
   ..controls (2,6.50526) and (3.02194,4.22272)
 ..(4.6577,2.58696) % segment 0
% entering octant 'ESE'
   ..controls (6.2624,0.98225) and (8.45786,0)
 ..(10.85873,0) % segment 0
% entering octant 'ENE'
```

Point (1.53745, 9.05345), where there was a vertical tangent, has been rounded to (2, 9.05348); point (10.85147, -.00049), where there was a horizontal tangent, has been rounded to (10.85873,0); the intermediate control points have been adjusted accordingly. (Rounding of x coordinates has been done separately from y coordinates.) Finally, with *autorounding* = 2, additional adjustments are made so that the  $45^{\circ}$  transition point will occur at what METAFONT thinks is a good spot:

```
Cycle spec at line 15, after subdivision and double autorounding:
(2,9.05348) % beginning in octant 'SSE'
   ..controls (2,6.6761) and (3.07103,4.42897)
 ..(4.78537,2.71463) % segment 0
% entering octant 'ESE'
   ..controls (6.46927,1.03073) and (8.62749,0)
 ..(10.85873,0) % segment 0
% entering octant 'ENE'
```

(Notice that 4.78537 + 2.71463 = 7.50000; when the slope is -1 at a transition point

Page C210, line $-7$	(8/5/98)
$ $ $\langle$ numeric token primary $\rangle$	
Page C210, line -2	(8/5/98)
$\langle {\rm numeric \ token \ primary} \rangle \longrightarrow \langle {\rm numeric \ token} \rangle  \textit{/}  \langle {\rm numeric \ token} \rangle$	
Page C211, line 16	(8/5/98)

| (numeric token primary not followed by + or - or a numeric token)

Page C213, lines 17-27 (8/5/98) $\langle \mathrm{path~primary}\rangle \longrightarrow \langle \mathrm{pair~primary}\rangle \mid \langle \mathrm{path~variable}\rangle \mid \langle \mathrm{path~argument}\rangle$ ( $\langle path expression \rangle$ ) begingroup (statement list) (path expression) endgroupmakepath (pen primary) | makepath (future pen primary) **reverse** (path primary) subpath (pair expression) of (path primary)  $\langle \text{path secondary} \rangle \longrightarrow \langle \text{pair secondary} \rangle | \langle \text{path primary} \rangle$  $|\langle \text{path secondary} \rangle \langle \text{transformer} \rangle$  $\langle \text{path tertiary} \rangle \longrightarrow \langle \text{pair tertiary} \rangle \mid \langle \text{path secondary} \rangle$  $\langle \text{path subexpression} \rangle \longrightarrow \langle \text{path expression} \rangle$ | (path subexpression) (path join) (path tertiary) Page C213, line -4(8/5/98) $\langle \text{path expression} \rangle \longrightarrow \langle \text{pair expression} \rangle \mid \langle \text{path tertiary} \rangle$ Page C234, line 6 (9/6/00)line  $z_1 \ldots z_5$  that bisects  $z_4 \ldots z_2$ , so it starts out in a south-by-southwesterly direction; Page C246, line 5 of answer 14.15 (8/5/98)/ length(postcontrol t of p – point t of p) enddef; Page C246, line 10 of answer 14.15 (8/5/98)/ length(precontrol t of p – point t of p) enddef; Page C252, line -6(8/5/98)h + o and bot  $y_4 = -o$ , so nothing needs to be done there. We should, however, say Page C257, large display on line 5 (3/4/95)boolean numeric  $\left\{ \begin{array}{c} \langle \text{boolean} \rangle \\ \langle \text{numeric} \rangle \\ \langle \text{pair} \rangle \\ \langle \text{string} \rangle \\ \langle \text{transform} \rangle \end{array} \right\} \left\{ \begin{array}{c} < \\ < \\ = \\ < \\ > \\ \end{array} \right\}$ pair  $\langle numeric \rangle$ path  $\langle \text{pair} \rangle$  $\langle \text{string} \rangle$ transform $\rangle$  $\langle \text{expression} \rangle;$ pen picture string transform

Page C261, line -15

(8/5/98)

Hacks: gobble, gobbled, killtext; capsule\_def; numtok.

Page C286, line 15	(8/5/98)
isn't entirely expanded by $\mathbf{expandafter};$ only $METAFONT$ 's first s	tep in loop expansion
Page C299, line 2	(12/6/99)
$t[u_1,\ldots,u_n] = \sum_{k=1}^n \binom{n-1}{k-1} (1-t)^{n-k} t^{k-1} u_k,$	
Page C299, swap lines 11 and 12	(8/5/98)
<pre>def lbrack = hide(delimiters []) lookahead [ ende let [[[ = [; let ]]] = ]; let [ = lbrack;</pre>	def;
Page C306, line 1	(11/4/98)
ligtable oct"013": "i" =: oct"016", "l" =: oct"017",	% ffi and ffl
Page C311, line 2	(8/5/98)
fine $:= 4 - eps$ , and $breadth_{-}[1] := 4 - eps$ . (A small amount $eps$	has been subtracted
Page C323, line $-3$	(8/5/98)
statement occurs, the special string '"title " & $\langle {\rm title} \rangle '$ is output	t. (This is how the
Page C332, lines 22–24	(8/5/98)
be replicated so that the final proofs will be <i>rep</i> times bit the pattern will be clipped slightly at the edges so that of seen plainly.	
Page C341, line 23	(10/10/96)
$def:{\setbox0=\hbox{\noboundary\char\n\boundary}}%$	
Page C346, left column	(9/6/00)
(bounded join), 18–19, 127, 248, <u>262</u> . (truncation of displayed context), 44.	
Page C346, and throughout the index	(3/7/95)
(Many index entries for rules of syntax in chapters 25–26 should have b	peen underlined)
Page C350, left column	(4/24/00)

Evetts, Leonard Charles, 153.

Page C351, right column	(9/22/97)	
*intersectiontimes, <u>136</u> , <i>178</i> , 213, <i>265</i> , <i>294</i> , <i>298</i> .		
Page C353, right column	(8/5/98)	
$\langle numeric token atom \rangle$ , delete this entry. $\langle numeric token primary \rangle$ , 72, <u>210</u> .		
Page C354, left column	(7/26/98)	
Orwell, George (= Blair, Eric Arthur), 85.		
Page C355, right column	(3/7/95)	
rt, 23, 77, 80, 103, 147, 151, <u>273</u> .		
Page C361, lines 14–15	(4/29/97)	
<pre>email: {\tt TUG@tug.org} internet: {\tt http://www.tug.org/} }</pre>		
Page C361, bottom five lines	(4/29/97)	
	y! That address again is T <sub>E</sub> X Users Group email: TUG@tug.org net: http://www.tug.org/ H, The T <sub>E</sub> Xbook (1996)	
Page Dix, line ix	(8/19/00)	
<ul> <li>"Interfacing with graphic objects" by Ignacio A</li> </ul>		
Page D71, line 11 of section 178		(9/13/00)
{ previous mem_end, lo_mem_max, and hi_mem_n	nin }	(0/10/00)
Page D132, line 6 of section 291		(9/13/00)
$= v_n + w_n \theta_0 - u_n (v_1 + w_1 \theta_0 - u_1 (v_2 + \dots - u_{n-2}))$	$(v_{n-1} + w_{n-1}\theta_0 - u_{n-1}\theta_0)$	)),
Page D213, line 7		(9/14/00)
$(-y+\epsilon, x+y+\epsilon\delta)$ . We should therefore round as if our sh	xewed coordinates were $(x +$	$-\epsilon + \epsilon \delta, y - \epsilon$
Page D349, line 4 of section 784		(9/14/00)
<b>proposition</b> nach ich name $(a \cdot at number)$ ; $(a - \parallel ) a \parallel \parallel$		· · · /

 $\label{eq:procedure pack_job_name(s: str_number); ~ \{ s = ".log", ".gf", ".tfm", or \ base_extension \} \}$ 

Page D451, line 11	(9/14/00)
<b>1040</b> . The value of <i>cur_mod</i> controls the <i>verbosity</i>	in the $\mathit{print\_exp}$ routine: If it's $\mathit{show\_code}$
Page D464, bottom line	(9/14/00)
$long\_help\_seen: boolean; $ { has the long <b>errmessage</b> help	been used? }
Page D551, Zabala entry	(8/19/00)
Zabala Salelles, Ignacio Andrés: 812.	
Page Exiii, lines 3 and 4 from the bottom	(7/17/98)
• "Metamarks: Preliminary studies for a Pane Neenie Billawala, Stanford Computer Science report 1	
Page E87, bottom line	(6/4/98)
— JOHN SMITH, <i>The</i>	Printer's Grammar (1755)
Page E95, line 16	(8/8/98)
$z_{1r}$ $z_{1l}$ subpath $(t, 0)$ of $(z_{3l}\{z_9 - z_3\} \dots z_{5r})$	
Page E95, line 11 from the bottom	(8/8/98)
$z_{1r}$ $z_{1l}$ subpath $(t, 0)$ of $(z_{3r} \{ z_9 - z_3 \} \dots z_{5r})$	
Page E95, line 8 from the bottom	(3/6/95)
cmchar "Extensible vertical arrowextension modu	le";
Page E97, line 8 from the bottom	(3/6/95)
cmchar "Extensible double vertical arrowextensi	on module";
Page E113, line 9	(3/6/95)
$x_5 = .5[x_4, x_6]; \ x_4 - x_6 = 1.2u; \ lft \ x_{5r} = hround(.5w5w)$	curve);
Page E113, line 10 from the bottom	(3/6/95)
$x_5 = .5[x_4, x_6]; \ x_4 - x_6 = 4.8u; \ lft \ x_{5r} = hround(.5w5w_{5r})$	$max\_size$ );
Page E115, line 9	(3/6/95)
$x_5 = .5[x_4, x_6]; \ x_4 - x_6 = 1.2u; \ lft \ x_{5r} = hround(.5w5w_{5r})$	curve);
Page E115, line 12 from the bottom	(3/6/95)
$x_5 = .5[x_4, x_6]; \ x_4 - x_6 = 4.8u; \ lft \ x_{5r} = hround(.5w5w)$	max_size);

$\begin{array}{llllllllllllllllllllllllllllllllllll$	Page E147, lines 11–14 from the bottom	(7/7/97)
$y_{5} = .5[y_{4}, y_{6}]; top y_{6r} - bot y_{4r} = vstem + eps; bot y_{8} = -oo; y_{7} = y_{9} = .55[y_{6}, y_{7}]$ Page E165, line 6 (2/8/ $y_{1} + .5hair = h; x_{1} = x_{2} + .75u; pos_{1}(hair + dw, angle(2(x_{1} - x_{2}), y_{1} - y_{2}) + 90)$ Page E165, line 10 (2/8/ $x_{3} = .5[x_{2}, x_{4}]; x_{7}25u = .5[x_{6}, x_{8}]; rt x_{8r} = hround(w5u);$ Page E187, line 9 (3/6/ Ift $x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_{1} = h; bot y_{2} = 0;$ Page E189, line 8 (3/6/ Ift $x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_{1} = h; bot y_{2} = 0;$ Page E233, line 21 (3/6/ path p; {{interim superness := more\_super; p = pulled\_super\_arc_{l}(3, 4)(pull)}}; Page E237, line 5 (8/6/ Ift $x_{1} = hround .5u; x_{2} = w - x_{1}; y_{1} = y_{2} = good.y7[x\_height, asc\_height];$ Page E239, line 7 from the bottom (3/6/ Ift $x_{6r} = hround u; x_{7} = 3u; x_{8} = w - 3.5u; rt x_{9l} = hround(w - u);$ Page E253, line 21 (5/10/ path p; {{interim superness := more\_super; p = pulled\_super\_arc_{l}(3, 4)(pull)}}; Page E263, line 21 (5/10/ Page E264, line 2 from the bottom (8/9/ Page E264, l	$\begin{array}{llllllllllllllllllllllllllllllllllll$	(r, -540);
Page E165, line 6 $(2/8/y_1 + .5hair = h; x_1 = x_2 + .75u; pos_1(hair + dw, angle(2(x_1 - x_2), y_1 - y_2) + 90)$ Page E165, line 10 $(2/8/x_3 = .5[x_2, x_4]; x_725u = .5[x_6, x_8]; rt x_{8r} = hround(w5u);$ Page E187, line 9 $(3/6/lt x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E189, line 8 $(3/6/lt x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E233, line 1 $(3/6/lt x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E233, line 21 $(3/6/lt x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E233, line 21 $(3/6/lt x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E237, line 5 $(8/6/lt x_{1l} = hround .5u; x_2 = w - x_1; y_1 = y_2 = good.y.7[x\_height, asc\_height];$ Page E239, line 7 from the bottom $(3/6/lt x_{0r} = hround w; x_7 = 3u; x_8 = w - 3.5u; rt x_{9l} = hround(w - u);$ Page E253, line 2 from the bottom $(8/9/lt x_{0r} = hround w; x_7 = 3u; x_8 = w - 3.5u; rt x_{9l} = hround(w - u);$ Page E263, line 21 $(5/10/lp path p; {{interim superness := more\_super; p = pulled\_super\_arc_l(3, 4)(pull)}};$ Page E289, line 2 from the bottom $(8/9/lp x_{1l}) = 100 log x_{1l} = 0.000 log x_{1l} = 0.000 log x_{1l} = 0.0000 log x_{1l} = 0.0000 log x_{1l} = 0.00000 log x_{1l} = 0.00000 log x_{1l} = 0.000000 log x_{1l} = 0.000000000 log x_{1l} = 0.00000000000000000000000000$	Page E147, line 8 from the bottom	(7/7/97)
$y_1 + .5hair = h; \ x_1 = x_2 + .75u; \ pos_1(hair + dw, angle(2(x_1 - x_2), y_1 - y_2) + 90)$ Page E165, line 10       (2/8/ $x_3 = .5[x_2, x_4]; \ x_725u = .5[x_6, x_8]; \ rt  x_{8r} = hround(w5u);$ Page E187, line 9       (3/6/         Page E187, line 9       (3/6/         Ift $x_{1l} = lft  x_{2l} = hround(.5w5shaved\_stem); \ top  y_1 = h; \ bot  y_2 = 0;$ Page E189, line 8       (3/6/         Page E233, line 21       (3/6/         page E233, line 21       (3/6/         page E237, line 5       (8/6/         Uft $x_1 = hround .5u; \ x_2 = w - x_1; \ y_1 = y_2 = good.y.7[x\_height, asc\_height];$ Page E239, line 7 from the bottom         Page E233, line 2 from the bottom       (3/6/         Uft $x_{6r} = hround u; \ x_7 = 3u; \ x_8 = w - 3.5u; \ rt  x_{9l} = hround(w - u);$ Page E253, line 2 from the bottom         Page E263, line 21       (5/10/         path p; {{interim superness := more_super; $p = pulled\_super\_arc_l(3, 4)(pull)};$ Page E263, line 21       (5/10/         Page E263, line 21       (5/10/         path p; {{interim superness := more\_super; $p = pulled\_super\_arc_l(3, 4)(pull)};$ Page E289, line 2 from the bottom       (8/9/	$y_5 = .5[y_4, y_6]; top y_{6r} - bot y_{4r} = vstem + eps; bot y_8 = -oo; y$	$y_7 = y_9 = .55[y_6, y_8];$
Page E165, line 10       (2/8/ $x_3 = .5[x_2, x_4]; x_725u = .5[x_6, x_8]; rt x_{8r} = hround(w5u);$ Page E187, line 9       (3/6/         Page E187, line 9       (3/6/         Ift $x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E189, line 8       (3/6/         Page E189, line 8       (3/6/         Ift $x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E233, line 21       (3/6/         Page E233, line 21       (3/6/         Ift $x_1 = hround .5u; x_2 = w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E237, line 5       (8/6/         Page E237, line 5       (8/6/       (3/6/       (3/6/         Ift $x_1 = hround .5u; x_2 = w - x_1; y_1 = y_2 = good.y.7[x_height, asc_height];$ Page E239, line 7 from the bottom       (3/6/         Page E239, line 7 from the bottom       (3/6/       (3/6/       (3/6/         Ift $x_{6r} = hround u; x_7 = 3u; x_8 = w - 3.5u; rt x_{9l} = hround(w - u);$ Page E253, line 2 from the bottom       (8/9/ $z_{3e} \{ down \} \{z_{5l} - z_{4l} \} z_{4e} - z_{5e} - z_{6e};$ % str       Page E263, line 21       (5/10/         Page E289, line 2 from the bottom       (8/9/       (3/6/       (3/6/       (3/6/         Page E289, line 2 from the bottom       (8/9/       (3/6/       (3/6/	Page E165, line 6	(2/8/97)
$x_3 = .5[x_2, x_4]; x_725u = .5[x_6, x_8]; rt x_{8r} = hround(w5u);$ Page E187, line 9       (3/6/ $lft x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E189, line 8       (3/6/         Page E189, line 8       (3/6/         Ift $x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E233, line 21       (3/6/         Page E233, line 21       (3/6/         page E237, line 5       (8/6/         Ift $x_1 = hround .5u; x_2 = w - x_1; y_1 = y_2 = good.y.7[x\_height, asc\_height];$ Page E239, line 7 from the bottom         Page E233, line 2 from the bottom       (3/6/         Ift $x_{6r} = hround u; x_7 = 3u; x_8 = w - 3.5u; rt x_{9l} = hround(w - u);$ Page E263, line 21         Page E263, line 21       (5/10/         path p; {{interim superness := more\_super; p = pulled\_super\_arc_l(3,4)(pull)}};         Page E263, line 21       (5/10/         Page E263, line 21       (5/10/         Page E289, line 2 from the bottom       (8/9/         Page E289, line 2 from the bottom       (8/9/	$y_1 + .5hair = h; \ x_1 = x_2 + .75u; \ pos_1(hair + dw, angle(2(x_1 - x_1))))$	$(x_2), y_1 - y_2) + 90);$
Page E187, line 9       (3/6/         Ift $x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E189, line 8       (3/6/         Page E189, line 8       (3/6/         Ift $x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E233, line 21       (3/6/         Page E233, line 21       (3/6/         path p; {{interim superness := more\_super; p = pulled\_super\_arc_l(3, 4)(pull)}};         Page E237, line 5       (8/6/         Ift $x_1 = hround .5u; x_2 = w - x_1; y_1 = y_2 = good.y.7[x\_height, asc\_height];         Page E239, line 7 from the bottom       (3/6/         Ift x_{6r} = hround u; x_7 = 3u; x_8 = w - 3.5u; rt x_{9l} = hround(w - u);         Page E253, line 2 from the bottom       (8/9/         \dots z_{3e} \{down\} \dots \{z_{5l} - z_{4l}\} z_{4e} - z_{5e} - z_{6e};       % str         Page E263, line 21       (5/10/         path p; {{interim superness := more\_super; p = pulled\_super\_arc_l(3, 4)(pull)}};         Page E263, line 21       (5/10/         path p; {{interim superness := more\_super; p = pulled\_super\_arc_l(3, 4)(pull)}};         Page E289, line 2 from the bottom       (8/9/   $	Page E165, line 10	(2/8/97)
If $x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem);$ top $y_1 = h;$ bot $y_2 = 0;$ Page E189, line 8       (3/6/         Ift $x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem);$ top $y_1 = h;$ bot $y_2 = 0;$ Page E233, line 21       (3/6/         path $p;$ {{interim superness := more\_super; $p = pulled\_super\_arc_l(3, 4)(pull)};$ Page E237, line 5       (8/6/         Ift $x_1 = hround .5u; x_2 = w - x_1; y_1 = y_2 = good.y.7[x\_height, asc\_height];$ Page E239, line 7 from the bottom       (3/6/         Ift $x_{6r} = hround u; x_7 = 3u; x_8 = w - 3.5u; rt x_{9l} = hround(w - u);$ Page E253, line 2 from the bottom         Page E263, line 21       (5/10/         path $p;$ {{interim superness := more\_super; $p = pulled\_super\_arc_l(3, 4)(pull)}};         Page E263, line 21       (5/10/         path p; {{interim superness := more\_super; p = pulled\_super\_arc_l(3, 4)(pull)}};         Page E263, line 21       (5/10/         path p; {{interim superness := more\_super; p = pulled\_super\_arc_l(3, 4)(pull)}};         Page E289, line 2 from the bottom       (8/9/   $	$x_3 = .5[x_2, x_4]; \ x_725u = .5[x_6, x_8]; \ rt \ x_{8r} = \text{hround}(w5u);$	
Page E189, line 8 $(3/6/$ $lft x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E233, line 21 $(3/6/$ Page E233, line 21 $(3/6/$ path p; {{interim superness := more\_super; p = pulled\_super\_arc_l(3, 4)(pull)}};         Page E237, line 5 $(8/6/$ $lft x_1 = hround .5u; x_2 = w - x_1; y_1 = y_2 = good.y.7[x\_height, asc\_height];         Page E239, line 7 from the bottom       (3/6/ lft x_{6r} = hround u; x_7 = 3u; x_8 = w - 3.5u; rt x_{9l} = hround(w - u);       Page E253, line 2 from the bottom         Page E263, line 2 from the bottom       (8/9/ z_{3e} \{down\} \{z_{5l} - z_{4l}\} z_{4e} - z_{5e} - z_{6e}; \% str         Page E263, line 21       (5/10/         path p; {{interim superness := more\_super; p = pulled\_super\_arc_l(3, 4)(pull)}};         Page E289, line 2 from the bottom       (8/9/ $	Page E187, line 9	(3/6/95)
If $x_{1l} = lft x_{2l} = hround(.5w5shaved\_stem); top y_1 = h; bot y_2 = 0;$ Page E233, line 21       (3/6/         path p; {{interim superness := more\_super; p = pulled\_super\_arc_l(3, 4)(pull)};         Page E237, line 5       (8/6/         Ift $x_1 = hround .5u; x_2 = w - x_1; y_1 = y_2 = good.y.7[x\_height, asc\_height];$ Page E239, line 7 from the bottom       (3/6/         Ift $x_{6r} = hround u; x_7 = 3u; x_8 = w - 3.5u; rt x_{9l} = hround(w - u);$ Page E253, line 2 from the bottom         Page E263, line 21       (5/10/         path p; {{interim superness := more\_super; p = pulled\_super\_arc_l(3, 4)(pull)}};         Page E263, line 21       (5/10/         path p; {{interim superness := more\_super; p = pulled\_super\_arc_l(3, 4)(pull)}};	<i>lft</i> $x_{1l} = lft x_{2l} = hround(.5w5shaved_stem); top y_1 = h; bot y$	$y_2 = 0;$
Page E233, line 21 $(3/6/$ path $p$ ; {{interim superness := more_super; $p = pulled_super_arc_l(3, 4)(pull)$ };Page E237, line 5 $(8/6/$ $lft x_1 = hround .5u; x_2 = w - x_1; y_1 = y_2 = good.y.7[x_height, asc_height];Page E239, line 7 from the bottom(3/6/lft x_{6r} = hround u; x_7 = 3u; x_8 = w - 3.5u; rt x_{9l} = hround(w - u);Page E253, line 2 from the bottom(8/9/\dots z_{3e} \{down\} \dots \{z_{5l} - z_{4l}\}z_{4e} - z_{5e} - z_{6e};\% strPage E263, line 21(5/10/path p; {{interim superness := more_super; p = pulled_super_arc_l(3, 4)(pull)};Page E289, line 2 from the bottom(8/9/$	Page E189, line 8	(3/6/95)
path p; {{interim superness := more_super; $p = pulled\_super\_arc_1(3, 4)(pull)};$ Page E237, line 5(8/6/lft $x_1 =$ hround .5 $u$ ; $x_2 = w - x_1; y_1 = y_2 = good.y.7[x\_height, asc\_height];$ Page E239, line 7 from the bottom(3/6/lft $x_{6r} =$ hround $u$ ; $x_7 = 3u; x_8 = w - 3.5u; rt x_{9l} =$ hround $(w - u);$ Page E253, line 2 from the bottom $\ldots z_{3e} \{ down \} \ldots \{ z_{5l} - z_{4l} \} z_{4e} - z_{5e} - z_{6e};$ % strPage E263, line 21(5/10/path $p; \{ \{ interim superness := more\_super; p = pulled\_super\_arc_1(3, 4)(pull) \} \};$ Page E289, line 2 from the bottom(8/9/	<i>lft</i> $x_{1l} = lft x_{2l} = hround(.5w5shaved_stem); top y_1 = h; bot y_1 = h;$	$y_2 = 0;$
Page E237, line 5       (8/6/ $lft x_1 =$ hround .5u; $x_2 = w - x_1$ ; $y_1 = y_2 = good.y.7[x\_height, asc\_height]$ ;       Page E239, line 7 from the bottom       (3/6/         Page E239, line 7 from the bottom       (3/6/ $lft x_{6r} =$ hround u; $x_7 = 3u$ ; $x_8 = w - 3.5u$ ; $rt x_{9l} =$ hround $(w - u)$ ;       Page E253, line 2 from the bottom       (8/9/ $z_{3e} \{down \} \{z_{5l} - z_{4l}\} z_{4e} - z_{5e} - z_{6e};$ % str         Page E263, line 21       (5/10/         path p; {{interim superness := more\_super; $p = pulled\_super\_arc_l(3, 4)(pull)}};         Page E289, line 2 from the bottom       (8/9/   $	Page E233, line 21	(3/6/95)
$lft x_1 = hround .5u; x_2 = w - x_1; y_1 = y_2 = good.y.7[x_height, asc_height];$ Page E239, line 7 from the bottom       (3/6/ $lft x_{6r} = hround u; x_7 = 3u; x_8 = w - 3.5u; rt x_{9l} = hround(w - u);$ (3/6/         Page E253, line 2 from the bottom       (8/9/ $z_{3e} \{ down \} \{ z_{5l} - z_{4l} \} z_{4e} - z_{5e} - z_{6e};$ % str         Page E263, line 21       (5/10/         path p; {{interim superness := more_super; p = pulled_super_arc_l(3, 4)(pull)}};         Page E289, line 2 from the bottom       (8/9/	path p; {{interim superness := $more\_super$ ; $p = pulled\_super\_a$	$arc_l(3,4)(pull)\};$
Page E239, line 7 from the bottom $(3/6/$ $lft x_{6r} =$ hround $u; x_7 = 3u; x_8 = w - 3.5u; rt x_{9l} =$ hround $(w - u);$ Page E253, line 2 from the bottom $(8/9/$ $\dots z_{3e} \{ down \} \dots \{ z_{5l} - z_{4l} \} z_{4e} - z_{5e} - z_{6e};$ $\%$ strPage E263, line 21 $(5/10/$ path $p; \{ \{ \text{interim superness := more_super; } p = pulled_super_arc_l(3, 4)(pull) \} \};$ Page E289, line 2 from the bottom $(8/9/$	Page E237, line 5	(8/6/98)
$lft x_{6r} = hround u; x_7 = 3u; x_8 = w - 3.5u; rt x_{9l} = hround(w - u);$ Page E253, line 2 from the bottom       (8/9/ $z_{3e} \{ down \} \{ z_{5l} - z_{4l} \} z_{4e} - z_{5e} - z_{6e};$ % str         Page E263, line 21       (5/10/         path p; {{interim superness := more_super; p = pulled_super_arc_l(3, 4)(pull)}};         Page E289, line 2 from the bottom       (8/9/	<i>lft</i> $x_1$ = hround .5 $u$ ; $x_2 = w - x_1$ ; $y_1 = y_2 = good . y$ .7[ $x_height$ , a	$sc\_height];$
Page E253, line 2 from the bottom $(8/9/$ $\ldots z_{3e} \{ down \} \ldots \{ z_{5l} - z_{4l} \} z_{4e} - z_{5e} - z_{6e} ;$ % strPage E263, line 21 $(5/10/$ path $p; \{ \{ \text{interim superness} := more\_super; p = pulled\_super\_arc_l(3, 4)(pull) \} \};$ Page E289, line 2 from the bottom $(8/9/$	Page E239, line 7 from the bottom	(3/6/95)
$z_{3e} \{ down \} \{ z_{5l} - z_{4l} \} z_{4e} - z_{5e} - z_{6e}; $ % str Page E263, line 21 (5/10/ path p; {{interim superness := more_super; p = pulled_super_arc_l(3, 4)(pull)}}; Page E289, line 2 from the bottom (8/9/	<i>lft</i> $x_{6r}$ = hround $u$ ; $x_7 = 3u$ ; $x_8 = w - 3.5u$ ; $rt x_{9l}$ = hround $(w - 3.5u)$ ; $rt x_{9l} = hround(w - 3.5u)$ ;	- <i>u</i> );
Page E263, line 21 $(5/10/$ <b>path</b> $p;$ {{ <b>interim</b> superness := more_super; $p = pulled_super_arc_l(3, 4)(pull)}};Page E289, line 2 from the bottom(8/9/$	Page E253, line 2 from the bottom	(8/9/98)
path $p$ ; {{interim superness := more_super; $p = pulled_super_arc_l(3, 4)(pull)}};Page E289, line 2 from the bottom(8/9/)$	$z_{3e}\{down\}\{z_{5l}-z_{4l}\}z_{4e}-z_{5e}-z_{6e};$	% stroke
Page E289, line 2 from the bottom   (8/9/	Page E263, line 21	(5/10/98)
	path p; {{interim superness := $more\_super$ ; $p = pulled\_super\_a$	$arc_l(3,4)(pull)\}\};$
$\dots z_{3e} \{ down \} \dots \{ z_{5l} - z_{4l} \} z_{4e} - z_{5e} - z_{6e}; $ % str	Page E289, line 2 from the bottom	(8/9/98)
	$z_{3e} \{ down \} \{ z_{5l} - z_{4l} \} z_{4e} - z_{5e} - z_{6e};$	% stroke

Page E291, line 18	(3/6/95)
$x_4 = \frac{1}{3}[x_5, x_{3l}]; \ z_4 = z_5 + whatever * (15u, .1h);$	
Page E297, line 17	(5/10/98)
<b>path</b> $p$ ; {{ <b>interim</b> superness := more_super; $p = pulled_super}$	$arc_{l}(3,4)(pull)\};$
Page E303, line 17	(5/10/98)
<b>path</b> $p$ ; {{ <b>interim</b> superness := more_super; $p = pulled_super}$	$arc_{l}(3,4)(pull)\};$
Page E309, line 7 from the bottom	(5/8/98)
$y_{@0} = y_{@2l} - bracket - eps;$	
Page E313, line 7 from the bottom	(5/8/98)
$y_{@0} = y_{@2l} + bracket + eps;$	
Page E319, line 8	(5/11/98)
$loop\_top = \mathbf{if} \ serifs: \ Vround \ .77[vair, fudged.stem] \ \mathbf{else}: \ vair \ \mathbf{fig}$	;
Page E373, lines 5 and 6 from the bottom	(7/13/97)
top $y_{1r}$ = vround .95h + oo; top $y_{2r}$ = h + oo; $y_3$ = .5h; bot $y_{4r}$ = -oo; bot $y_{5r}$ = vround .08h - oo; $y_{5l}$ := good .y $y_{5l}$ ;	$x_{5l} := good.x  x_{5l};$
Page E381, lines 11 and 12 from the bottom	(7/13/97)
top $y_{1r}$ = vround .93 $h$ + oo; top $y_{2r}$ = $h$ + oo; $y_3$ = .5 $h$ ; bot $y_{4r}$ = -oo; bot $y_{5r}$ = vround .07 $h$ - oo;	
Page E389, bottom two lines	(8/7/98)
<b>numeric</b> $aa_{-}, bb_{-}, cc_{-}; bb_{-} = b/y; cc_{-} = c/y; aa_{-} = a * a - b (a * (cc_{-} ++ \text{ sqrt } aa_{-}) - bb_{-} * cc_{-})/aa_{-} enddef;$	<i>b_</i> * <i>bb_</i> ;
Page E423, line 17	(8/8/98)
$x_{13} = x_{11}5; top y_{14r} = \min(10/7x_height + .5bulb_diam, h) + .5bulb_diam$	1; $top y_{11} = x_h height;$
Page E427, line 21	(8/8/98)
$x_{23} = x_{21}5; top y_{24r} = \min(10/7x_height + .5bulb_diam, h) +$	1; $top y_{21} = x_h height;$
Page E431, lines 18 and 19	(8/8/98)
$filldraw \ z_0 (x_0, y_{2l}) z_{1l} \{right\} \{left\} z_{1r}$	

filldraw  $z_0 - (x_0, y_{2l}) - z_{1l} \{ right \} ... \{ left \} z_{1r}$ -- subpath (t, 0) of  $(z_{3r} ... \{ 2(x_0 - x_3), y_0 - y_3 \} z_{5r})$ 

Page E431, line 2 from the bottom	(8/8/98)
$- z_{1l} \{ right \} \{ left \} z_{1r} - (x_0, y_{2r}) - cycle;$	% arrowhead and stem
Page E433, lines 13 and 14	(8/8/98)
filldraw $z_0 - (x_0, y_{2l}) - z_{1l} \{ left \} \{ right \} z_{1r}$ subpath $(t, 0)$ of $(z_{3l} \{ 2(x_0 - x_3), y_0 - y_3 \} z_{5r})$	
Page E433, line 2 from the bottom	(8/8/98)
$z_{1l}\{left\}\{right\}z_{1r}-(x_0, y_{2r})-cycle;$	% arrowhead and stem
Page E463, line 15	(8/8/98)
$z_{1r} \dots z_{1l}$ <b>subpath</b> $(t, 0)$ of $(z_{3r} \{ z_9 - z_3 \} \dots z_{5r})$	
Page E463, line 3 from the bottom	(8/8/98)
$z_{1r} \dots z_{1l}$ <b>subpath</b> $(t, 0)$ of $(z_{3l} \{ z_9 - z_3 \} \dots z_{5r})$	
Page E465, line 16	(8/8/98)
$z_{1l} \dots z_{1r}$ subpath $(t, 0)$ of $(z_{3r} \{ z_9 - z_3 \} \dots z_{5r})$	
Page E465, line 3 from the bottom	(8/8/98)
$z_{1l} \dots z_{1r}$ subpath $(t, 0)$ of $(z_{3l} \{ z_9 - z_3 \} \dots z_{5r})$	
Page E467, line 18	(8/8/98)
$z_{1l} \dots z_{1r}$ subpath $(t, 0)$ of $(z_{3r} \{ z_9 - z_3 \} \dots z_{5r})$	
Page E467, line 3 from the bottom	(8/8/98)
$z_{11l} \dots z_{12r}$ subpath $(t, 0)$ of $(z_{13l} \{ z_{19} - z_{13} \} \dots z_{15r})$	)
Page E483, lines 12–14 from the bottom	(3/6/95)
<b>beginarithchar</b> (oct "004"); <b>pickup</b> fine.nib; <b>pickup</b> rule <b>numeric</b> del; del = dot_size - currentbreadth; $x_35del = good.x(.5w5del);$ center_on( $x_3$ ); $y_3 + .5del = good.y(math_axis + math_spread[.5x_height, .6x_height, .6x_height$	% currentbreadth = fine
Page E485, bottom line	(6/4/98)
— JOHN SMITH, The P	rinter's Grammar (1755)
Page E489, line 4	(8/8/98)

*lft*  $x_6$  = hround u;  $x_2 = w - x_6$ ; *top*  $y_8 = h$ ;  $y_8 - y_4 = x_2 - x_6$ ;

Page E489, line 10	(8/8/98)
<i>lft</i> $x_6$ = hround $u$ ; $x_2 = w - x_6$ ; top $y_8 = h$ ; $y_8 - y_4 = x_2 - x_6$ ; circle_p	oints;
Page E491, line 3 from the bottom	(3/6/95)
spread := 2 ceiling(spread # * hppp/2) + eps; enddef;	
Page E507, line 15	(8/8/98)
$z_{1r} \dots z_{1l}$ subpath $(t, 0)$ of $(z_{3r} \{ z_9 - z_3 \} \dots z_{5r})$	
Page E507, line 3 from the bottom	(8/8/98)
$z_{11r} \dots z_{11l}$ subpath $(t, 0)$ of $(z_{13l} \{ z_{19} - z_{13} \} \dots z_{15r})$	
Page E509, line 17	(8/8/98)
$z_{1l} \dots z_{1r}$ subpath $(t, 0)$ of $(z_{3l} \{ z_9 - z_3 \} \dots z_{5r})$	
Page E509, lines 3 and 4 from the bottom	(8/8/98)
$z_{1l} \dots z_{1r}$ <b>subpath</b> $(t, 0)$ of $(z_{3l} \{ z_9 - z_3 \} \dots z_{5r})$	
Page E511, line 17	(8/8/98)
$z_{1l} \dots z_{1r}$ <b>subpath</b> $(t, 0)$ of $(z_{3l} \{ z_9 - z_3 \} \dots z_{5r})$	
Page E511, lines 3 and 4 from the bottom	(8/8/98)
$z_{1l} \dots z_{1r}$ subpath $(t, 0)$ of $(z_{3l} \{ z_9 - z_3 \} \dots z_{5r})$	
Page E541, bottom line	(2/27/97)
labels(1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15); endchar;	
Page E568, the example of cmtex8	(4/18/96)
(The word 'logician' should not be hyphenated.)	
Page E574, left column	(3/6/95)
$current breadth, 483, \underline{545}, 546.$	
Page E575, right column	(9/10/98)
Holmes, Kris Ann, vi, vii.	
Page E576, right column	(6/4/98)
Delete the entry for Luckombe	
Page E579, left column	(6/4/98)
Smith John 87 485	

Smith, John, 87, 485.