

another file and leave blank pages or advance the page counter in the appropriate place.

#### Q 8. Mark Moline

Is it possible to access the width of a given field within an `\halign` construction. For example, can one determine the width of column 3 and use that dimension within the `\halign`?

*Answer.*  $\TeX$ 's alignment structures don't provide a direct way of determining the width of a particular column or cell. An ad hoc technique for obtaining a useful value is to determine the widest entry in the column, save it in a named box before beginning the alignment, and use the width of that box.

#### Q 9. Chris Hand (from GUT list)

While preparing a recent compte-rendu GUT with  $\LaTeX$ , the line

```
\subsection{Journ\'{e}e
  \<<{europ\'{e}enne}>>
  \ du lundi 14 mai}
```

caused  $\TeX$  to write a line of 509 characters into the `.aux` file. The macros for the guillemets were responsible for much of the length. (When these macros were replaced by others that used the

guillemets in the font `mcyr10`, the problem went away.)

$\TeX$  reported

```
[...]
[3] [4] [5] [6] (#tz020859.aux
Unable to read an entire line---bufsize=500
and then terminated.
```

Why does  $\TeX$  write lines so long that it can't read them?

Is the only solution to recompile  $\TeX$  with an enlarged `bufsize`?

*Answer.* The preferred technique of avoiding long lines in an `.aux` file is to expand only those control sequences whose expansions will change before the `.aux` file is read in; this includes, of course, section headings, page numbers, and the like. However, control sequences within section heading text should usually *not* be expanded.

The next generation of  $\LaTeX$  is expected to suppress this level of expansion automatically. For the present, if you are using  $\LaTeX$ , `\fragile` can be inserted before any control sequence that shouldn't be expanded in a string being written out to an `.aux` file.

`\noexpand` and `\string` function in relatively comparable ways in non- $\LaTeX$  environments.

## Participants

at the  
11th Annual TUG Meeting  
June 17-20, 1990  
College Station, Texas

Exhibitors are indicated by \*

#### Cynthia S. Actis

Boeing Computer Services  
Seattle, Washington

#### Robert A. Adams

University of British Columbia  
Vancouver, British Columbia, Canada

#### Clifford Alper

$\TeX$  Users Group  
Providence, Rhode Island

#### Abass Andulem

Houston, Texas

#### Bernadette Archuleta

Los Alamos National Laboratory  
Los Alamos, New Mexico

#### William W. Babcock

Northern Michigan University  
Marquette, Michigan

#### \*Michael Ballantyne

$\TeX$ plorators Corporation  
Houston, Texas

#### Elizabeth M. Barnhart

TV Guide  
Radnor, Pennsylvania

#### Stephan v. Bechtolsheim

Integrated Computer Software, Inc.  
West Lafayette, Indiana

#### Micah Beck

Cornell University  
Ithaca, New York

#### Nelson H. F. Beebe

University of Utah  
Salt Lake City, Utah

#### Barbara Beeton

American Mathematical Society  
Providence, Rhode Island

#### Nancy Blachman

Wolfram Research  
Champaign, Illinois

#### Jennifer L. Bohac

Texas A&M University  
College Station, Texas

#### Jerry T. Borges

Lawrence Berkeley Laboratory  
Berkeley, California

#### David M. Bowen

Cray Research Incorporated  
Carrollton, Texas

#### Len Boyle

SUNY at Stony Brook  
Stony Brook, New York

#### Judi Briesmeister

Los Alamos National Laboratory  
Los Alamos, New Mexico

#### \*Terry Bryll

Northlake Software  
Portland, Oregon

#### Mimi Burbank

Florida State University  
Tallahassee, Florida

**Neil A. Bursleson**  
Texas A&M University  
College Station, Texas

**Karen Butler**  
T<sub>E</sub>X Users Group  
Providence, Rhode Island

**William Butler**  
T<sub>E</sub>X Users Group  
Providence, Rhode Island

**Helen M. Byers**  
Los Alamos National Laboratory  
Los Alamos, New Mexico

**Pierce Cantrell**  
Texas A&M University  
College Station, Texas

**\*Lance Carnes**  
Personal T<sub>E</sub>X Incorporated  
Mill Valley, California

**Christopher Carruthers**  
University of Ottawa  
Ottawa, Ontario, Canada

**Evelyn E. Chaney**  
Sandia National Laboratories  
Livermore, California

**Ken Chang**  
Texas A&M University  
College Station, Texas

**Sheryl D. Chapman**  
Cogni Seis Development  
Houston, Texas

**S. Bart Childs**  
Texas A&M University  
College Station, Texas

**Malcolm W. Clark**  
Imperial Cancer Research Fund  
Laboratories  
London, England

**David M. Cobb**  
SAIC  
Oak Ridge, Tennessee

**Key Coen**  
Los Alamos National Laboratory  
Los Alamos, New Mexico

**Arvin C. Conrad**  
Menil Foundation  
Houston, Texas

**John M. Crawford**  
Ohio State University  
Columbus, Ohio

**\*Betsy J. Dale**  
ArborText Incorporated  
Ann Arbor, Michigan

**Jackie A. Damrau**  
Superconducting Super Collider  
Laboratory  
Dallas, Texas

**Walter Daugherity**  
Texas A&M University  
College Station, Texas

**\*Beth Dehlinger**  
Northlake Software  
Portland, Oregon

**Luzia Dietsche**  
Universität Heidelberg  
Heidelberg  
Federal Republic of Germany

**Michael Doob**  
University of Manitoba  
Winnipeg, Manitoba, Canada

**Ken Dreyhaupt**  
Springer-Verlag  
New York, New York

**Lincoln K. Durst**  
T<sub>E</sub>X Users Group  
Providence, Rhode Island

**Allen R. Dyer**  
Computer Law Laboratory  
Ellicott City, Maryland

**David J. Fenwick**  
Quasar Knowledge Systems  
Washington, D.C.

**Michael J. Ferguson**  
Université du Québec  
Verdun, Québec, Canada

**Peter Flynn**  
University College of Cork  
Cork, Republic of Ireland

**Jim Fox**  
University of Washington  
Seattle, Washington

**Harumi Fujiura**  
ASCII Corporation  
Kawasaki, Japan

**Stephen A. Fulling**  
Texas A&M University  
College Station, Texas

**Richard Furuta**  
University of Maryland  
College Park, Maryland

**Edward A. Garay**  
University of Illinois at Chicago  
Chicago, Illinois

**Mary Louise Garcia**  
Los Alamos National Laboratory  
Los Alamos, New Mexico

**Diane M. Gehan**  
I.M.S.L. Incorporated  
Houston, Texas

**Helen M. Gibson**  
Wellcome Institute for the History  
of Medicine  
London, England

**Regina Girouard**  
American Mathematical Society  
Providence, Rhode Island

**Raymond Goucher**  
T<sub>E</sub>X Users Group  
Providence, Rhode Island

**John M. Gourlay**  
ArborText Incorporated  
Ann Arbor, Michigan

**Sharon L. Gray**  
Los Alamos National Laboratory  
Los Alamos, New Mexico

**Andrew Marc Greene**  
Massachusetts Institute of Technology  
Cambridge, Massachusetts

**Gayla Groom**  
Blue Sky Research  
Portland, Oregon

**Dean R. Guenther**  
Washington State University  
Pullman, Washington

**Hisato Hamano**  
ASCII Corporation  
Minato-ku Tokyo, Japan

**Hope Hamilton**  
National Center for Atmospheric  
Research  
Boulder, Colorado

**Chris Hamlin**  
American Institute of Physics  
Woodbury, New York

**Nancy K. Hannigan**  
MIT Lincoln Laboratory  
Lexington, Massachusetts

**Marvin V. Harlow**  
Los Alamos National Laboratory  
Los Alamos, New Mexico

**Niki Harris**  
Texas A&M University  
College Station, Texas

**Robert L. Harris**  
Micro Programs Incorporated  
Syosset, New York

**Doug Henderson**  
Blue Sky Research  
Portland, Oregon

**Amy Hendrickson**  
T<sub>E</sub>Xnology Incorporated  
Brookline, Massachusetts

**Mildred H. Hoak**  
Los Alamos National Laboratory  
Los Alamos, New Mexico

**John D. Hobby**  
AT&T Bell Laboratories  
Murray Hill, New Jersey

**Alan Hoenig**

John Jay College (CUNY)  
New York, New York

**Anita Z. Hoover**

University of Delaware  
Newark, Delaware

**Don Hosek**

Harvey Mudd College  
Claremont, California

**Portia Hsiung**

American Institute of Physics  
Woodbury, New York

**Calvin W. Jackson**

California Institute of Technology  
Pasadena, California

**\*Claire Kahan**

Personal TeX Incorporated  
Mill Valley, California

**William S. Kaster**

Hewlett-Packard Company  
Palo Alto, California

**\*David Kellerman**

Northlake Software  
Portland, Oregon

**John T. Kesich**

New York University  
New York, New York

**\*Richard J. Kinch**

Kinch Computer Company  
Ithaca, New York

**Peter F. Klammer**

University of Colorado  
Denver, Colorado

**Howard Kong**

Mitre Corporation  
Bedford, Massachusetts

**David H. Kratzer**

Los Alamos National Laboratory  
Los Alamos, New Mexico

**Ryoichi Kurasawa**

ASCII Corporation  
Kawasaki, Japan

**Mimi Lafrenz**

ETP Services Co.  
Portland, Oregon

**Joachim Lammarsch**

Universität Heidelberg  
Heidelberg  
Federal Republic of Germany

**Charlotte V. Laurendeau**

TeX Users Group  
Providence, Rhode Island

**Luby Liao**

University of San Diego  
San Diego, California

**Nelson A. Logan**

Austin, Texas

**Pierre MacKay**

University of Washington  
Seattle, Washington

**Kenneth Marshall**

Rice University  
Houston, Texas

**Charles R. Martin**

Duke University  
Durham, North Carolina

**John McClain**

Texas A&M University  
College Station, Texas

**Robert W. McGaffey**

Martin Marietta Energy  
Systems Incorporated  
Oak Ridge, Tennessee

**Wendy McKay**

University of Montreal  
Montreal, Quebec, Canada

**Lothar Meyer-Lerbs**

Universität Bremen  
Bremen, Federal Republic of Germany

**Terry W. Miller**

Sundstrand Avionics Support Services  
Redmond, Washington

**Lia M. Mitchell**

Los Alamos National Laboratory  
Los Alamos, New Mexico

**Frank Mittelbach**

Universität Mainz  
Mainz, Federal Republic of Germany

**Yoshiyuki Miyabe**

Matsushita Electric Ind Company Ltd  
Osaka, Japan

**Mark Moline**

Publication Services  
Champaign, Illinois

**Patricia Monohon**

University of Washington  
Seattle, Washington

**Mary Jean Moore**

University of California  
Oakland, California

**Mark Motl**

Texas A&M University  
College Station, Texas

**Norman Naugle**

Texas A&M University  
College Station, Texas

**David Ness**

University of Pennsylvania  
Philadelphia, Pennsylvania

**Robert A. Nilsson**

Texas A&M University  
College Station, Texas

**Toshiharu Ohno**

ASCII Corporation  
Minato-ku Tokyo, Japan

**José Luis Olivares**

Sociedad Mexicana de Física  
Coyoacan, Mexico

**Daniel D. Olson**

ETP Services Co.  
Portland, Oregon

**Peter W. Owings**

University of Rochester  
Rochester, New York

**Yeongbok Park**

RIST  
Pohang, Korea

**Noel C. Peterson**

Library of Congress  
Washington, D.C.

**Laurie Petrycki**

Addison-Wesley Publishing Company  
Reading, Massachusetts

**Mark M. Pickrell**

Wynne-Manley Software, Inc.  
Los Alamos, New Mexico

**Craig R. Platt**

University of Manitoba  
Winnipeg, Manitoba, Canada

**Julie A. Pomroy**

American Mathematical Society  
Providence, Rhode Island

**\*Mike Pond**

Wolfram Research  
Champaign, Illinois

**Ekman T.W. Poon**

United Bible Societies  
Kowloon, Hong Kong

**Robert B. Pratt**

Zycor Incorporated  
Austin, Texas

**Jon Radel**

Reston, Virginia

**Thomas Reid**

Texas A&M University  
College Station, Texas

**Norman Richert**

University of Houston  
Houston, Texas

**Stewart Robinson**

Texas A&M University  
College Station, Texas

**Cynthia Rodriguez**  
University of Illinois at Chicago  
Chicago, Illinois

**Tomas G. Rokicki**  
Radical Eye Software  
Stanford, California

**Jan Michael Rynning**  
Royal Institute of Technology  
Stockholm, Sweden

**David Salomon**  
California State University,  
Northridge  
Northridge, California

**Arturo Sánchez y Gándara**  
Sociedad Mexicana de Física  
Coyoacan, Mexico

**Aaron Sawdey**  
Publication Services  
Champaign, Illinois

**Glenn Scholebo**  
Wolfram Research  
Champaign, Illinois

**Sean C. Simmons**  
Quasar Knowledge Systems  
Washington, D.C.

**\*Barry Smith**  
Blue Sky Research  
Portland, Oregon

**Lowell Smith**  
Hercules Aerospace  
Salt Lake City, Utah

**Michael Sofka**  
Publication Services  
Champaign, Illinois

**Friedhelm Sowa**  
Heinrich Heine University  
Düsseldorf  
Federal Republic of Germany

**Susan J. Spach**  
Los Alamos National Laboratory  
Los Alamos, New Mexico

**Robert J. Sparks**  
Texas A&M University  
College Station, Texas

**\*Michael D. Spivak**  
T<sub>E</sub>Xplorators Corporation  
Houston, Texas

**David K. Steiner**  
Rutgers University  
Piscataway, New Jersey

**Alan Stolleis**  
Texas A&M University  
College Station, Texas

**Carol Sullivan**  
United States Geological Survey  
Menlo Park, California

**\*Leb Tannenbaum**  
Blue Sky Research  
Portland, Oregon

**\*Lin Tay**  
Micro Press, Inc.  
Forest Hills, New York

**Christina Thiele**  
Carleton University  
Ottawa, Ontario, Canada

**David Thompson**  
Lawrence Livermore National  
Laboratory  
Livermore, California

**\*D. R. Tsai**  
Micro Press, Inc.  
Forest Hills, New York

**Lisa Ungar**  
IBM T. J. Watson Research Center  
Yorktown Heights, New York

**Russel B. Vanderhoof**  
Cape Canaveral, Florida

**Barbara J. Velarde-Maes**  
Los Alamos National Laboratory  
Los Alamos, New Mexico

**\*Michael Vulis**  
Micro Press, Inc.  
Forest Hills, New York

**Leslie C. Watson**  
SFA, Inc.  
Ft. Washington, Maryland

**Alan Wetmore**  
White Sands Missile Range  
New Mexico

**Ron Whitney**  
T<sub>E</sub>X Users Group  
Providence, Rhode Island

**Pat Wilcox**  
Cool Spring Banjo Works  
Delaware, Ohio

**Linda Williams**  
University of Tennessee Space  
Institute  
Tullahoma, Tennessee

**Cheryl W. Winstead**  
NASA Langley Research Center  
Hampton, Virginia

**Janene Winter**  
American Mathematical Society  
Providence, Rhode Island

**Cheryl Woods**  
T<sub>E</sub>X Users Group  
Providence, Rhode Island

**Jerry Woods**  
San Diego, California

**William B. Woolf**  
American Mathematical Society  
Providence, Rhode Island

**Ralph E. Youngen**  
American Mathematical Society  
Providence, Rhode Island

**Salih Yurttas**  
Texas A&M University  
College Station, Texas

There were 167 participants at the Meeting.