

SESUG '93

SouthEast SAS® Users Group

SouthEast SAS® Users Group
First Annual Conference

February 14 -16, 1993
St. Petersburg Beach, Florida



SESWG '93

SouthEast SAS® Users Group

PROCEEDINGS

of the
First Annual
SouthEast SAS® Users Group Conference

TradeWinds
St. Petersburg Beach, Florida

February 14-16, 1993

Conference Co-Chairs

S. David Riba, JADE Tech, Inc.

Tamara Fischell, Timely Technical Solutions



SouthEast SAS Users Group Proceedings

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Proceedings of the First Annual Regional Conference
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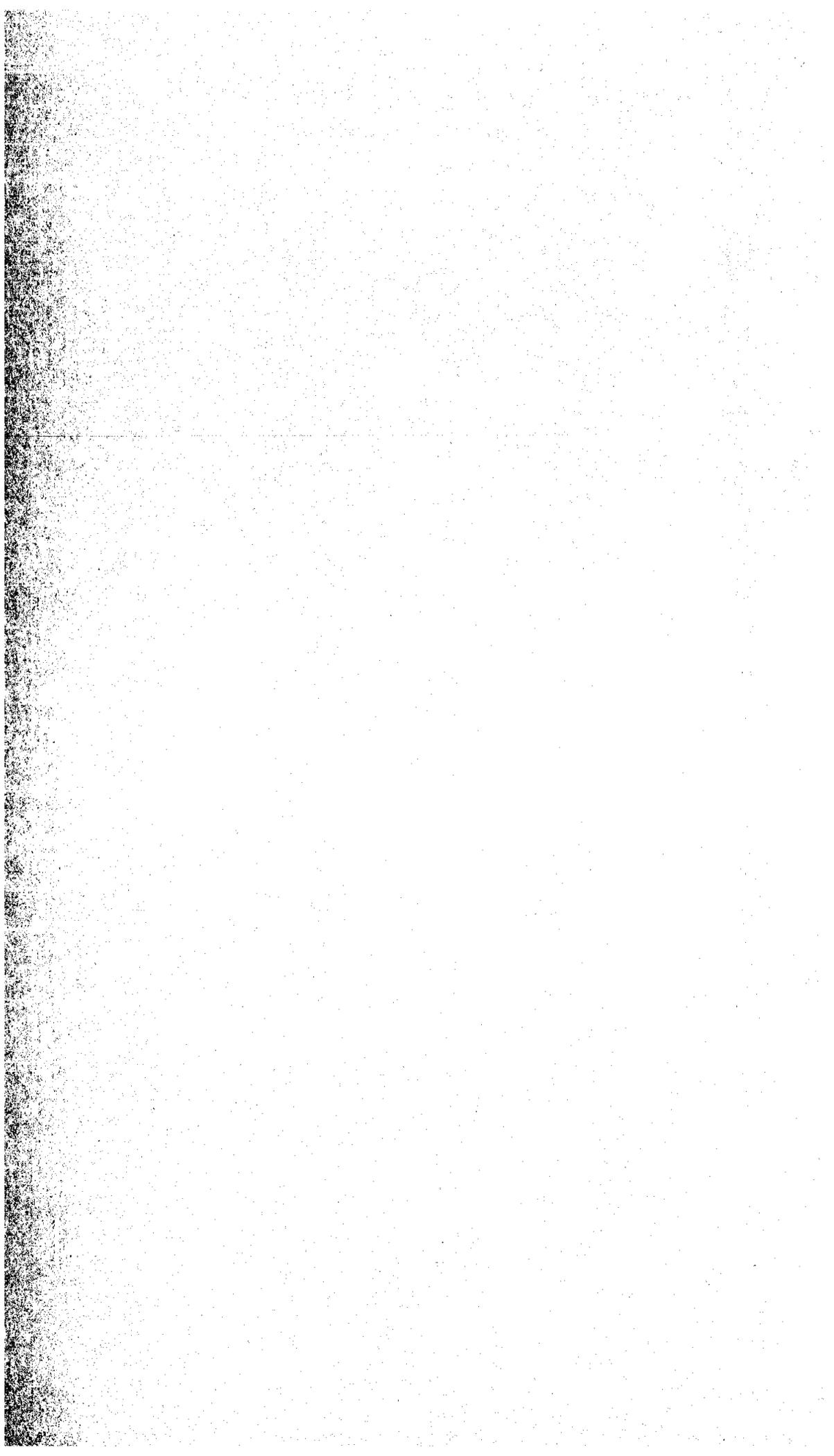
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FOREWORD



FOREWORD

These *Proceedings* are the official record of the First Annual SouthEast SAS Users Group Conference which was held from Sunday, February 14, 1993, through Tuesday February 16, 1993, at the TradeWinds on St. Petersburg Beach, Florida. Of the 77 Papers and Posters that were presented at the conference, 60 are included in these *Proceedings*.

The SouthEast SAS Users Group was chartered by the SAS Institute Executive Committee on April 13, 1992, during SUGI 17 to represent local, in-house, and special interest SAS User Groups in Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, Puerto Rico, South Carolina, Tennessee, Virginia, and West Virginia.

The Conference Co-Chairs for **SESUG '93** are **S. David Riba**, JADE Tech, Inc., and **Tamara R. Fischell**, Timely Technical Solutions.

With less than ten months to plan, organize, and publicize the ambitious first meeting of the SouthEast SAS Users Group, preparations were hectic at times. We are justifiably proud of the prestigious and varied slate of papers and presentations that were offered to **SESUG '93** attendees. There were almost 80 selections to choose from, including presentations by some of the best-known SAS experts. In addition to papers and posters, **SESUG '93** attendees had available an extensive vendor demonstration area, SAS Institute formal demonstrations, a video theatre, RoundTable Lunch, and BOFs on Monday evening.

This conference would not have been possible without the hard work and dedication of each of the Section Chairs. They were responsible for inviting and coordinating speakers, scheduling the presentations in their sections, compiling all of the paperwork necessary in completing these *Proceedings*, and all of the other myriad tasks necessary for a successful conference.

The **SESUG '93** Section Chairs are:

Applications Development / Information Systems / Graphics
Debbie Hoppe — John Alden Life Insurance Company

Performance & Tuning / Host Systems
Keith Brown — UNC Office of Information Technology

Posters
Elizabeth Hamilton — UNC Highway Safety Research Center
Carolyn Williams — UNC Highway Safety Research Center

Registration
Shikha Sinha & Alfred Montalvo — Clinical Trials Support Services
Melissa Garreans — John Alden Life Insurance Company

Round Table Luncheon
Andrew T. Kuligowski — Nielsen Media Research

Statistics
Phil Gallagher — UNC Dept of Biostatistics
Margaret Menache — Duke University Medical Center

SESUG '93 Proceedings

Training & User Support

Julie Smith — Glaxo Inc.

Tutorials

Frank DiIorio — Trilogy Consulting Corporation

Fun Run / Beach Shuffle

Gerri Furlow — NCSU Computing Center

Special thanks go to SAS Institute and its staff for their constant support through the many months that **SESUG '93** developed and evolved. SAS Institute's commitment to a SouthEast regional SAS Users conference is evident by their efforts to provide us with logistical support, our keynote speaker, additional speakers and presenters, an extensive Exhibits / Demo area, and Formal Demonstrations.

Without the on-going assistance, attention, and support of Sally Roberson, this conference would never have been possible. Her experience and guidance were invaluable. We would also like to thank Dawn Leister who took special effort whenever we needed her assistance. We were honored and very pleased that the keynote address for the very first SouthEast SAS Users Group conference was Barrett Joyner, Director of US Marketing for SAS Institute. It is impossible to thank everyone at SAS Institute whose efforts contributed to the success of the First Annual SouthEast SAS Users Group Conference, but we would like them all to know that we are truly grateful for their help.

As a fledgling organization, there are many startup and on-going tasks that must be completed. The SouthEast SAS Users Group gratefully acknowledges the help of John Alden Life Insurance Company. Whenever we needed something done, John Alden came through for us. Thank you. The **SESUG '93** logo and the cover of these *Proceedings* were designed by Jorge Vidal of John Alden Life Insurance Company.

Recognition also is owed to our sister organizations, NESUG and MWSUG, for sharing their experiences and wisdom. Marge Scerbo and Craig Dickstein of NESUG, and Nancy Hill and Randy Van Beek of MWSUG, were particularly generous in sharing their sage advice on the problems and pitfalls that awaited us. Dr. Ray Pass, the "grand old man" of regional conferences, provided invaluable planning information, advice, and support. Thanks, Ray.

While we are acknowledging those whose assistance contributed to the success of this conference, both Tamara and Dave feel that special recognition is due to their families for their patience and support over the many months that were required to bring **SESUG '93** to fruition. Special thanks to Abby Riba for her helpful suggestions and constructive criticism.

Dave Riba and Tamara Fischell