# TABLE OF CONTENTS

Editorial ................................................................. 6

Letters to the Editor ..................................................... 7

*The Aviation Education Teacher Resource Center: A Unique Strategy to Improve Math and Science Education*  
Gerald D. Gibb, Ph.D. and Patricia Fleener-Ryan ............... 8

*Compliance and Enforcement: Aviation Safety in the Public Interest*  
Laurence E. Gesell, Ph.D. and Robert Anderson ............... 13

*Competition for Hub Dominance: Some Implication to Airline Profitability and Enplanement Share*  
Atef Ghobrial, Ph.D. .................................................. 20

*Aviation Education Luncheon Sponsored by General Aviation Manufacturers Association (GAMA):*  
Welcome and Introduction to Speakers  
Jim Gormley, President, GAMA ......................... 30

*A Clearinghouse Need for Aviation Education*  
Frank Mitchell, Moderator ................................. 31

*Aviation Education: Universities and Schools—Networking*  
Peggy Baty, Ed.D .................................................. 33

*Professional Accreditation of Non-Engineering Aviation Program*  
Thomas J. Connolly, Ed.D ....................................... 37

*The Journal of Aviation/Aerospace Education and Research: A Why, What, and How Story*  
Henry R. Lehrer, Ph.D. ............................................. 39

*The FAA and Aviation Education*  
Phillip S. Woodruff ............................................... 40

Biographies of Speakers ............................................ 43
THE JOURNAL OF AVIATION/AEROSPACE EDUCATION & RESEARCH

EDITORIAL STAFF

Editor:
Henry R. Lehrer
Embry Riddle Aeronautical University
Daytona Beach, FL 32114

Graphics Designs:
Nancy Rahn-Virden
Embry Riddle Aeronautical University
Daytona Beach, FL 32114

Associate Editor:
Mary E. Williams
Embry Riddle Aeronautical University
Daytona Beach, FL 32114

Assistant to the Editor:
Sue Lowry
Embry Riddle Aeronautical University
Daytona Beach, FL 32114

EDITORIAL BOARD

Tim Brady
Central Missouri State University
Warrensburg, MO 64093

Thomas Q. Carney
Purdue University
West Lafayette, IN 47907

Thomas J. Connolly
Embry Riddle Aeronautical University
Daytona Beach, FL 32114

Jerry Fairbairn
Daniel Webster College
Nashua, NH 03063

Jefferson M. Koonce
University of Illinois at Urbana-Champaign
Savoy, IL 61874

Jennifer G. Myers
Monroney Aeronautical Center
Oklahoma City, OK 73125

David A. NewMyer
Southern Illinois University
Carbondale, IL 62901

Richard O. Reinhart
Aeromed Professional Association
Minneapolis, MN 55437

Tom L. Sams
American Airlines (Retired)
Fort Worth, TX 76179

Stacy Weislogel
The Ohio State University
Columbus, OH 43210

Alexander T. Wells
Broward Community College
Pembroke Pines, FL 33024

Richard Witkin
New York Times (Retired)
Harrison, NY 10528

Phillip S. Woodruff
FAA Headquarters
Washington, DC 20591

Published three times yearly (Fall, Winter, Spring) at Embry Riddle Aeronautical University,
600 S. Clyde Morris Boulevard, Daytona Beach, Florida 32114-3900
SUBSCRIPTION INFORMATION

The Journal is published three times annually (Fall, Winter, Spring) with the next issue due in the Winter of 1991. Subscription rates are $25.00 per year for professional subscribers, $50.00 per year for institutional and library subscribers, and $20.00 per year for students. Foreign subscriptions are an additional $5.00 in each category.

To subscribe, mail your check (payable to JAAER), together with a completed subscription form (please call or write for one), to:

JAAER
Dr. Henry R. Lehrer, Editor
Embry Riddle Aeronautical University
600 South Clyde Morris Boulevard
Daytona Beach, FL 32114-3900

If you have any questions about the Journal or subscribing to it, please call the Journal office at 904-226-6855. Office hours are from 9:00 a.m. to 2:00 p.m. on Tuesday, Wednesday, and Thursday. If we are not available when you call, please leave a message and we will return your call as soon as possible.

If you are interested in contributing a manuscript for possible publication, please use our author's guidelines, below.

INSTRUCTIONS FOR CONTRIBUTORS

Submission of Papers Manuscript copies should be on standard bond paper (copy machine paper, typing paper, or computer paper) that will take ink corrections.

Preparation of Manuscripts Authors should submit five legible (computer-NLQ printing acceptable, or typewritten) manuscript copies, on white paper, entirely double spaced, with wide margins (1.5'-2') on the sides, top, and bottom, and conform to the Publications Manual of the American Psychological Association (APA) style guidelines. Please do not right (full/fill) justify the manuscript. The most current edition of the APA is used as a style guide, however, authors are instructed to include all tables, equations, etc. in the body of the manuscript.

Title The title of the manuscript should be clearly indicative of its subject and of the author's intention, and should not be unnecessarily long or convoluted.

Reference Documentation Manuscripts should conform to APA reference documentation.

EDITORIAL FOCUS

The Journal of Aviation/Aerospace Education & Research (JAAER) is a scholarly publication for educators and researchers as well as for professionals in the aviation and aerospace industry. The focus is how the educational process is influenced by various segments of the aviation and aerospace community, and how education affects the industry. We are not confined to colleges and universities; we embrace elementary and secondary education, as well.

The Journal is interested in scholarly submissions about aviation/aerospace history, educators, curriculum development, innovative methods of instruction, significant research findings that relate to aviation/aerospace education, and industry and education partnerships. We also wish to reflect the latest industry and academic thought concerning current issues of interest to JAAER readers.

The JAAER is a refereed publication. Manuscripts will be blind-reviewed by members of the editorial board as well as a limited number of professionals in that field. This review process will take a minimum of 60 days. From time to time, a limited number of non-refereed articles may be included in a FORUM section.