

Fall 2002

Front Matter

Follow this and additional works at: <https://commons.erau.edu/jaer>

Scholarly Commons Citation

(2002). Front Matter. *Journal of Aviation/Aerospace Education & Research*, 12(1). Retrieved from <https://commons.erau.edu/jaer/vol12/iss1/4>

This Front Matter/Back Matter is brought to you for free and open access by the Journals at Scholarly Commons. It has been accepted for inclusion in *Journal of Aviation/Aerospace Education & Research* by an authorized administrator of Scholarly Commons. For more information, please contact commons@erau.edu.

JAAER

FORUM

The Editor's Forum..... 7

*Andragogical Methods For Teaching Advanced
Cockpit Flying Skills to Professional Pilots*..... 9

*The Demise of Collegiate Aviation Programs
With the Best of Intentions*..... 13

PAPERS

*Stress Coping Strategies For Commercial
Flight Crewmembers*..... 19

*Military Versus Civilian Air Cargo
Training For Hazardous Materials*..... 29

The Orteig Prize..... 45



**THE JOURNAL OF
AVIATION/AEROSPACE
EDUCATION & RESEARCH**

**JOURNAL
OF
AVIATION/AEROSPACE
EDUCATION AND RESEARCH**

The Journal of Aviation/Aerospace Education and Research (JAAER)
Fall 2002, Volume 12, Number 1
Copyright © 2002 Embry-Riddle Aeronautical University
1st Printing SEPTEMBER 2002

Indexed in:

Library of Congress, *ISSN 1065-1136*
Aviation Tradescan

All correspondence and inquiries should be directed to:

The Journal of Aviation/Aerospace Education and Research
Embry-Riddle Aeronautical University
Aviation Building, Room 102A
600 S. Clyde Morris Blvd.
Daytona Beach, FL 32114-3900
USA
Telephone 386/226-6855
FAX 386/226-6895

**Editorial Staff of the
*Journal of Aviation/Aerospace Education and Research***

William A. Kohlruss, Editor

Tim Brady, Embry-Riddle Aeronautical University

James Schultz, Embry-Riddle Aeronautical University

Deborah L. Burke, Assistant Editor

Thomas Connolly, Embry-Riddle Aeronautical University

Editorial Board

Brent D. Bowen	University of Nebraska
Thomas Q. Carney	Purdue University
Gerald N. Cook	Spirit Airlines
Gerald Fairbairn	Daniel Webster College
Jackie Luedtke	Daniel Webster College
Chuck Moren	Embry-Riddle Aeronautical University
David A. NewMyer	Southern Illinois University
Marvin Smith	Embry-Riddle Aeronautical University
Ross Telfer	Instructional Research and Development Pty, LTD.
Alexander T. Wells	Embry-Riddle Aeronautical University
Phillip S. Woodruff	Federal Aviation Administration Headquarters

Additional Reviewers

Greg Aaron	United Parcel Service
Dee Andrews	Air Force Research Laboratory
Shawn Arena	Embry-Riddle Aeronautical University
Joe Clark	Embry-Riddle Aeronautical University
Ronald Clark	Embry-Riddle Aeronautical University
Robert Finkelstein	North Shore Community College
Thomas Hagovsky	Purdue University
Mark Hewitt	Embry-Riddle Aeronautical University
Kenneth J. Kovack	Embry-Riddle Aeronautical University/ University of Maryland
Roger D. Lee	Salt Lake City Community College
Gary Northam	Parks College of Engineering and Aviation- St. Louis University
Sherry Parshley	Embry-Riddle Aeronautical University
William Rantz	Western Michigan University
Bruce A. Rothwell	Embry-Riddle Aeronautical University
Marian Schultz	University of West Florida
Guy M. Smith	Embry-Riddle Aeronautical University
Michael E. Thorn	Globalink Consulting
Brison Torbert	Embry-Riddle Aeronautical University

Graphics Design: Browning Press, DeBary, FL

Published three times annually (Fall, Winter, Spring) at Embry-Riddle Aeronautical University,
600 S. Clyde Morris Blvd., Daytona Beach, FL 32114-3900

**THE JOURNAL OF AVIATION/AEROSPACE
EDUCATION AND RESEARCH**

Fall 2002
Volume 12, Number 1

TABLE OF CONTENTS

<i>The Editor's Forum</i>	
William A. Kohlross	7
Forum:	
<i>Andragogical Methods for Teaching Advanced Cockpit Flying Skills to Professional Pilots</i>	
Patrick Ross and Janet Cosman-Ross	9
Forum:	
<i>The Demise of Collegiate Aviation Programs With the Best of Intentions</i>	
Donald E. Smith	13
<i>Stress Coping Strategies for Commercial Flight Crewmembers</i>	
Willem J. Homan	15
<i>Military Versus Civilian Air Cargo Training For Hazardous Material</i>	
Bruce A. Rothwell, Wayne Harsha, and Theodore Clever	29
<i>The Orteig Prize</i>	
Tim Brady	45

EDITORIAL FOCUS

The Journal of Aviation/Aerospace Education and 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. Although the basic focus is toward colleges and universities, manuscripts concerning secondary and elementary education are encouraged.

The Journal is interested in a wide range of scholarly submissions concerning aviation/aerospace curriculum development and/or innovative methods of instruction (for any/all levels of education), significant research relating to aviation/aerospace education, to industry research, and to industry and education partnerships. The Journal welcomes submissions reflecting the latest industry and academic thought concerning current issues of interest to JAAER readers, and is interested in well-researched and documented stories concerning aviation history, both in the past and in the making.

A refereed publication, manuscripts are blind-reviewed by members of the editorial board as well as by a limited number of professionals in that field. From time to time a non-refereed article may be included in a Forum section.

AUTHOR'S GUIDELINES

Preparation of Manuscripts The most current edition of the *Publications Manual of the American Psychological Association (APA)* is used as the style guide for submissions. However, authors are instructed to include all tables in the body of the manuscript.

- JAAER does not accept multiple submissions. (If pending acceptance elsewhere do not submit to us.)
- Submit five copies of the manuscript using standard, white, bond paper.
- Double space the text. Use wide margins (1.5"-2") on both sides and top and bottom.
- Do number the pages

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.

Documentation Manuscripts are to conform to APA reference documentation. *Text reference citations and reference list entries must be identical.*

Autobiography On a separate sheet of paper, include a brief autobiography stating your qualifications for writing this article. If multiple authors, give a brief autobiography for each author.

Publication Policy With your initial manuscript submission JAAER requires a full statement that this manuscript has not been previously published elsewhere, is not submitted and pending acceptance elsewhere, and will not be submitted for publication elsewhere in its present form.

If you have questions about submitting an article or subscribing to the Journal, please call (386) 226-6855.