

Fall 2000

Front Matter

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

Scholarly Commons Citation

(2000). Front Matter. *Journal of Aviation/Aerospace Education & Research*, 10(1). DOI: <https://doi.org/10.58940/2329-258X.1265>

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

Letter to the Editor..... 7

FORUM

Fasten Your Seatbelts..... 9

*Gender Differences in an Aviation
Physiology Environment*..... 11

PAPERS

Voice Recognition in Fighter Aircraft..... 17

*Towards the Zero Accident Goal: Assisting the
First Officer Monitor and Challenge Captain
Errors*..... 29

*The Development of a Job Performance Aid
Design Model For Use in Aviation* 39



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

JOURNAL
OF
AVIATION/AEROSPACE
EDUCATION AND RESEARCH

The Journal of Aviation/Aerospace Education and Research (JAAER)
Fall 2000, Volume 10, Number 1
Copyright © 2000 Embry-Riddle Aeronautical University
1st Printing DECEMBER 2000

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
Aeronautical Science Dept.
Embry-Riddle Aeronautical University
600 S. Clyde Morris Blvd.
Daytona Beach, FL 32114-3900
USA
Telephone 904/226-6855
FAX 904/226-6012

EDITORIAL STAFF: William Kohlruess, Editor; Deborah Burke, Assistant Editor; Tim Brady, Thomas Connolly, James Schultz.

EDITORIAL BOARD: Brent D. Bowen, University of Nebraska; Thomas Q. Carney, Purdue University; Gerald Cook, Spirit Airlines; Jerry Fairbairn, Daniel Webster College; Philip Ikomi, George Mason University; Jefferson M. Koonce, University of Central Florida; Henry R. Lehrer, University of Nebraska-Omaha; Jackie Luedtke, Utah State University; Chuck Moren, Embry-Riddle Aeronautical University; David A. NewMyer, Southern Illinois University; Richard O. Reinhart, Human Factors Resources Inc.; Ross Telfer, University of Newcastle, Australia; Stacy Weislogel, The Ohio State University; Alexander T. Wells, Broward Community College; Richard Witkin, New York Times (Retired); Phillip S. Woodruff, FAA Headquarters.

GRAPHICS DESIGN: Florida Multimedia and Graphics.

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 2000
Volume 10, Number 1

TABLE OF CONTENTS

Letter to the Editor 7

Forum:
Fasten Your Seatbelts
Alan R. Bender 9

Forum:
Gender Differences in an Aviation Physiology Environment
Cass D. Howell 11

Voice Recognition in Fighter Aircraft
Gary Bell, Marian C. Schultz, and James T. Schultz 17

*Towards the Zero Accident Goal: Assisting the First Officer
Monitor and Challenge Captain Errors*
Eugen Tarnow 29

*The Development of a Job Performance Aid
Design Model For Use in Aviation*
Anthony Adamski 39

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 (904) 226-6855.