JOURNAL

OF

AVIATION/AEROSPACE

EDUCATION AND RESEARCH

Fall 1993

Published by Scholarly Commons, 1993
TABLE OF CONTENTS

Editorial:
What Would Henri Fayol Have Said About the U.S. Airline Industry and Its Problems? ........................................ 5

Forum:
Cross-Cultural Underpinnings of the Taiping Rebellion:
Potential Modern Applications
Tim Brady ........................................................................ 7

Piston Airplane Cruise Performance
Melville R. Byington, Jr. ...................................................... 14

A Cost Analysis: Re-Engining a Boeing 727-200 (Advanced)
Versus Buying a New Boeing 757-200
Peter B. Coddington ......................................................... 25

The Airline Quality Rating: Developing an Industry Standard
Brent D. Bowen, Dean E. Headley, and Rebecca K. Lutte .......... 33
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. 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.
- If printed by computer, print must be clear and easily readable. If a dot matrix printer is used, Near Letter Quality (NLQ) is acceptable if good quality ribbon and paper is used. If typewritten, use a good ribbon and non-smear, white paper.
- Double space the text. Use wide margins (1.5"-2") on both sides and top and bottom.
- Do not right (full) justify the manuscript
- 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. Office hours are from 9:00 a.m. to 2:00 p.m. on Tuesday, Wednesday, and Thursday.