Eleventh Annual International Aircraft Cabin Safety Symposium and Technical Conference

Proceedings

Sponsored by:

Southern California Safety Institute, Inc.

and

Federal Aviation Administration
Civil Aeromedical Institute

31 January - 5 February 1994
The Sheraton Hotel, Long Beach, California
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**ELEVENTH ANNUAL INTERNATIONAL AIRCRAFT CABIN SAFETY SYMPOSIUM PROCEEDINGS**

**Keynote Address**

"Passenger Safety - Some Thoughts About Future Directions"
Mr. John W. Stants, Chairman, Transportation Safety Board of Canada

**Day One - SECURITY and TERRORISM Panel**
Moderator: Ms. Peterlyn Thomas, Aviation Safety Consultant

"Where have all the Hijackers Gone?"
Dr. Thomas Strentz, The Academy Group, Inc.

"Transport Aircraft Survivability"
Captain Lloyd Anderson, Airline Pilots Association
Day One - AIRCRAFT ACCESSIBILITY Panel
Moderator: Ms. Sally Glenn, Thomson CSF

"Status on Aircraft Accessibility for Narrow Body Aircraft"
Mr. Phillip L. Sarozek, Member, Federal Advisory Committee on Aircraft Accessibility

"Aircraft Accessibility for Persons with Disabilities"
Mr. Speed Davis, Director, Massachusetts Office on Disability (No paper published)

Day Two - HUMAN PERFORMANCE Panel
Moderator: Ms. Nora Marshall, National Transportation Safety Board

"Cockpit/Cabin Communications: A Tale of Two Cultures"
Ms. Rebecca Chute, San Jose State University Foundation, NASA-Ames Research Center

"The Safety Potential of Cockpit/Crew Coordination Training"
Dr. Robert A. Alkov, Southern California Safety Institute, Inc.

"Passenger Emergency Exit Usage in Actual Emergencies of Transport Aircraft"
Mr. Fons Schaefers, Fokker Aircraft B.V.

Day Two - AVIATION SAFETY Panel
Moderator: Mr. Dean Resch, Federal Aviation Administration

"Transporting Hazardous Materials on Board Passenger Aircraft"
Colonel Kerry May, Chief, Flight and Explosives Safety, Office of the Chief of Safety, USAF

"What's in it for Them?"
Ms. Elaine Parker, Aviation Safety Consultant
Day Three - TRAINING Panel
Moderator: Ms. Toni Ketchell, Cabin Safety Consultant

"Corporate Crew Training Issues"
Ms. Joan Lewis, Wayferer Ketch

"Critical Incident Stress Response Programs In Aviation - The AirBC Model"
Mr. Gregory Janelle, AirBC

"Emergency Procedures Training"
Mr. Tom Croke, Aer Lingus
Mrs. Frances Breen, Aer Lingus

"Water Survival"
Conducted by Mr. Ken Burton, S.T.A.R.K. Survival Co. (No paper published)

Day Four - LEARNING FROM ACCIDENTS Panel
Moderator: Mr. Gale Braden, Aviation Safety Consultant

"Cabin Safety Issues in Recent Aircraft Accidents Investigations"
Dr. Gary Mucho, Southwest Regional Director, National Transportation Safety Board

"A Survivors Perspective"
Ms. Vivienne Bird, Aviation Safety Consultant

"Surviving an Airplane Crash"
Ms. Paula Guice-Williams, Trans World Airlines

GENERAL ASSEMBLY CLOSING REMARKS
The Honorable Carl Vogt, Chairman, National Transportation Safety Board
TECHNICAL CONFERENCE PROCEEDINGS

Keynote Address
"Human Factors and Cabin Safety Research - The CAMI Contribution"
Dr. William E. Collins, Director, Civil Aeromedical Institute, Federal Aviation Administration

Day Four - HUMAN FACTORS RESEARCH Panel
Moderator: Dr. Agnes Huff, Singapore Airlines

"Fatigue Countermeasures: Alertness Management In Flight Operations"
Dr. Mark R. Rosekind, NASA-AMES Research Center

"A Modified Crash Brace Position For Aircraft Passengers"
Dr. Peter Brownson, University Hospital, Nottingham

Day Five - MEDICAL CARE IN-FLIGHT Panel
Moderator: Mr. Frank Poliafico, R.N. Emergency & Safety Programs, Inc.

"Passenger Medical Care Inflight: A Baseline of Part 121 Air Carrier Experiences"
Dr. Jerry R. Hordinsky, FAA Civil Aeromedical Institute

"Emergency At 37,000 Feet"
Dr. Gary M. Kohn, Corporate Medical Director United Airlines

"Passenger Medical Care In-Flight"
Dr. Jeffrey R. Davis, Corporate Medical Director American Airlines, Inc.

"Standardization of Medical Training for In-Flight Personnel and other Non-Medical Professionals"
Dr. Allan Braslow, Consultant
Day Six - COMPUTER MODELING EVACUATION Panel
Moderator: Mr. Gale Braden, Aviation Safety Consultant

"Computer Based Simulations of Passenger Evacuation from Wide and Narrow Body Aircraft under Hazardous and Non-Hazardous Conditions"
Professor Edwin Galea, CAA Professor of Mathematical Modelling, University of Greenwich, United Kingdom

"A Review of Computer Evacuation Models and Their Data Needs"
Mr. Jeffrey H. Marcus, Manager, Protection and Survival Laboratory, FAA Civil Aeromedical Institute

"PC - Based Simulation of the Evacuation of Passengers from a Transport Airplane"
Mr. Barry Gourary, Gourary Associates

Summary of Workshop Proceedings
Panel Summaries
Recommendations
Attendee List

Photos by Tanda Gardiner and Tella Kulp