



**Federal Aviation  
Administration**

DOT/FAA/AM-09/1  
Office of Aerospace Medicine  
Washington, DC 20591

# **Index to FAA Office of Aerospace Medicine Reports: 1961 Through 2008**

William E. Collins  
CNI Aviation, LLC  
Ada, OK 74820

Michael E. Wayda  
Civil Aerospace Medical Institute  
Federal Aviation Administration  
Oklahoma City, OK 73125

January 2009

Final Report

## NOTICE

This document is disseminated under the sponsorship of the U.S. Department of Transportation in the interest of information exchange. The United States Government assumes no liability for the contents thereof.

---

This publication and all Office of Aerospace Medicine technical reports are available in full-text from the Civil Aerospace Medical Institute's publications Web site:  
[www.faa.gov/library/reports/medical/oamtechreports/index.cfm](http://www.faa.gov/library/reports/medical/oamtechreports/index.cfm)

**Technical Report Documentation Page**

1. Report No. DOT/FAA/AM-09/1		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle Index to FAA Office of Aerospace Medicine Reports: 1961 Through 2008				5. Report Date January 2009	
				6. Performing Organization Code	
7. Author(s) Collins WE, <sup>1</sup> Wayda ME <sup>2</sup>				8. Performing Organization Report No.	
9. Performing Organization Name and Address  <sup>1</sup> CNI Aviation, LLC 2020 Arlington Street Ada, OK 74820				10. Work Unit No. (TRAIS)	
				<sup>2</sup> FAA Civil Aerospace Medical Institute P.O. Box 25082 Oklahoma City, OK 73125	
12. Sponsoring Agency Name and Address Office of Aerospace Medicine Federal Aviation Administration 800 Independence Avenue, S.W. Washington, DC 20591				11. Contract or Grant No.	
				13. Type of Report and Period Covered	
14. Sponsoring Agency Code					
15. Supplemental Notes  National Technical Information Service or Defense Technical Information Center order numbers are shown in the chronological listing after the report titles.					
16. Abstract  An index to Federal Aviation Administration Office of Aerospace Medicine Reports (1964-2008) and Civil Aeromedical Institute Reports (1961-1963) is presented for those engaged in aviation medicine and related activities. The index lists all FAA aerospace medicine technical reports published from 1961 through 2008: chronologically, alphabetically by author, and alphabetically by subject.					
17. Key Words Aerospace Medicine, Research Reports, Office of Aerospace Medicine, Civil Aerospace Medical Institute, Civil Aeromedical Research Institute, Human Factors			18. Distribution Statement Document is available to the public through the Defense Technical Information Center, Ft. Belvoir, Va. 22060; and the National Technical Information Service, Springfield, VA 22161.		
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 90	22. Price



## HOW TO USE THE INDEX

### Organization

The Index is organized in three sections:

1. Chronological Index: a cumulative list of all research reports from 1961 through 2008.
2. Author Index: all contributing authors, in alphabetical order.
3. Subject Index: subjects, listed in alphabetical order.

Some examples are:

**08-1 Peterman CL, Rogers PB, Véronneau SJH, Whinnery JE: Development of an Aeromedical Scientific Information System for aviation safety.**

Above: This is an entry from the *Chronological Index* of research reports, shown in cumulative sequence.

**Canfield DV 91-12, 92-23, 92-24, 92-25, 94-14, 94-16, 95-26, 95-28, 96-14, 96-17...08-24**

Above: This is an entry from the *Author Index*, which lists all of the research reports prepared by an author or co-author.

### Human Factors

**...severe weather flying, 66-41, 97-3, 97-23, 04-5, 05-7, 05-15 07-4, 08-12**

Above: An example of entries in the *Subject Index*; refers to all reports that pertain to a specific topic.

### Report Numbers

**06-29 Manning CM, Pfeiderer EM: Relationship of sector activity and sector complexity to air traffic controller taskload. ADA463881**

Above: The first numbers (06-29) refer to the year and chronological number of the report. This is an abbreviated portion of the official number given each report and is found in the upper left of the report's cover page. The full report number of "06-29" is DOT/FAA/AM-06/29. The "ADA463881" is appended to the report by the Defense Technical Information Center. Keep the number system in mind when ordering from NTIS or DTIC.

### How to Order or Obtain for Free

- You may purchase copies of OAM Reports from: National Technical Information Service  
Refer to the "ADA" (or other prefixes) 5285 Port Royal Road  
and numbers. Springfield, VA 22161  
Telephone (800) 553-6530
- **The Federal Depository Library System.** Some 1,300 U.S. libraries maintain a reference repository of official Government reports printed by the U.S. Government Printing Office. The reports are either printed or in microform for public use. These libraries provide reference services and interlibrary loans; however, they are not sales outlets.
- Abstracts and full text of all reports are available on the Federal Aviation Administration's Internet site:  
[www.faa.gov/library/reports/medical/oamtechreports/index.cfm](http://www.faa.gov/library/reports/medical/oamtechreports/index.cfm)
- Abstracts and full text of many reports are available from the Defense Technical Information Center's Public STINET Internet site: <http://stinet.dtic.mil>
- A limited number of back issues are maintained by the Institute. Some requests may be filled by writing to:  
FAA Civil Aerospace Medical Institute  
Aerospace Medical Education Division, AAM-400  
P.O. Box 25082, Shipping Clerk  
Oklahoma City, OK 73125-5064



# Contents

Part I	
Chronological Index	1
Part II	
Author Index	43
Part III	
Subject Index	55





# PART I: CHRONOLOGICAL INDEX

1961 Through 2006

## 1961

- 61-1 Trites DK: Problems in air traffic management: I. Longitudinal prediction of effectiveness of air traffic controllers. AD268954

## 1962

- 62-1 Swearingen JJ, Wheelwright CD, Garner JD: An analysis of sitting areas and pressures of man. AD271138
- 62-2 Cobb BB Jr: Problems in air traffic management: II. Prediction of success in air traffic controller school. N62-10354
- 62-3 Trites DK, Cobb BB Jr: Problems in air traffic management: III. Implications of age for training and job performance of air traffic controllers. N62-10353
- 62-4 Swearingen JJ, Mohler SR: Sonotropic effects of commercial air transport sound on birds. AD280212
- 62-5 Iampietro PF, Goldman R: Prediction of energy cost of treadmill work. AD280607
- 62-6 Balke B: Human tolerances. AD421156
- 62-7 Hasbrook AH, Earley JC: Failure of rearward-facing seat backs and resulting injuries in a survivable transport accident. AD421157
- 62-8 Smith PW: Toxic hazards in aerial application. AD421158
- 62-9 Hasbrook AH, Garner JD, Snow CC: Evacuation pattern analysis of a survivable commercial aircraft crash. AD282893
- 62-10 Daugherty JW, Lacey DE, Korty P: Problems in aerial application: I. Some biochemical effects of lindane and dieldrin on vertebrates. AD288413
- 62-11 Hawkes GR: Tactile communication. AD288414
- 62-12 Dille JR, Newton NL, Culver JF: The effects of simulated altitude on penetrating eye injuries. AD288415
- 62-13 Swearingen JJ, Hasbrook AH, Snyder R G, McFadden EB: Kinematic behavior of the human body during deceleration. AD283938
- 62-14 Swearingen JJ: Determination of centers of gravity of man. AD287156
- 62-15 Gogel WC: The visual perception of size and distance. AD287197
- 62-16 Hawkes GR: Absolute identifications of cutaneous stimuli varying in both intensity level and duration. AD295134
- 62-17 Collins WE: Manipulation of arousal and its effects on human vestibular nystagmus induced by caloric irrigation and angular accelerations. AD290348
- 62-18 Hinshaw LB, Brake CM, Iampietro PF, Emerson TE Jr: Effect of increased venous pressure on renal hemodynamics. AD295137
- 62-19 Snyder RG: A case of survival of extreme vertical impact in seated position. AD295136
- 62-20 Mohler SR: Civil aeromedical research: Responsibilities, aims, and accomplishments. AD295135
- 62-21 McFadden EB, Raeke JW, Young JW: An improved method for determining the efficiency of crew and passenger oxygen masks. AD297835

## 1963

- 63-1 Emerson TE Jr, Hinshaw LB, Brake CM, Iampietro PF: The development of reversible hematuria and oliguria following elevation of renal venous pressure. AD299775
- 63-2 Mohler SR, Dille JR: Resume and index of reports of the Civil Aeromedical Research Institute, 1961-1962. AD431924
- 63-3 Collins WE: Observations on the elicitation of secondary and inverted primary nystagmus from the cat by unilateral caloric irrigation. AD413456
- 63-4 Daugherty JW, Lacey DE, Korty P: Problems in aerial application: II. Effects of chlorinated hydrocarbons on substrate-linked phosphorylation. AD418504
- 63-5 Melton CE Jr: Neural control of the ciliary muscle. AD413392
- 63-6 Balke B: A simple field test for the assessment of physical fitness. AD413393

- 63-7 Tobias JV, Jeffress LA: Relation of earphone transient response to measurement of onset-duration. AD413391
- 63-8 McKenzie JM, Fowler PR, Lyne PJ: Calibration of an electronic counter and pulse height analyzer for plotting erythrocyte volume spectra. AD425598
- 63-9 Swearingen JJ, McFadden EB: Studies of air loads on man. AD602207
- 63-10 Gogel WC: The perception of depth from binocular disparity. AD429827
- 63-11 Lategola MT: In vivo measurement of total gas pressure in mammalian tissue. AD425537
- 63-12 Nagle FJ, Balke B, Ganslen RV, Davis AW: The mitigation of physical fatigue with Spartase. AD429001
- 63-13 Collins WE: Primary, secondary, and caloric nystagmus of the cat following habituation to rotation. AD428756
- 63-14 Collins WE: Nystagmus responses of the cat to rotation and to directionally equivalent and nonequivalent stimuli after unilateral caloric habituation. AD425565
- 63-15 Snyder RG: Human survivability of extreme impacts in free-fall. AD425412
- 63-16 Emerson TE Jr, Brake CM, Hinshaw LB: Mechanisms of action of the insecticide endrin. AD431299
- 63-17 Tobias JV: Application of a "relative" procedure to a problem in binaural beat perception. AD428899
- 63-18 Balke B: Experimental evaluation of work capacity as related to chronological and physiological aging. AD431301
- 63-19 Wernick JS, Tobias JV: A central factor in pure tone auditory fatigue. AD428737
- 63-20 Gogel WC: The visual perception of spatial extent. AD432587
- 63-21 Tang PC, Dille JR: In-flight loss of consciousness: A case report. AD430394
- 63-22 Hinshaw LB, Page BB, Brake CM, Emerson TE Jr, Masucci FD: The mechanisms of intrarenal hemodynamic changes following acute arterial occlusion. AD431302
- 63-23 Higgins EA, Iampietro PF, Adams T, Holmes DD: The effects of a tranquilizer on body temperature. AD432484
- 63-24 Dille JR, Smith PW: Central nervous system effects of chronic exposure to organophosphate insecticides. AD434090
- 63-25 Adams T, Funkhouser GE, Kendall WW: A method for the measurement of physiologic evaporative water loss. AD603418
- 63-26 Reins DA, Holmes DD, Hinshaw LB: Acute and chronic effects of the insecticide endrin on renal function and renal hemodynamics. AD602206
- 63-27 Dille JR, Crane CR, Pendergrass GE: The flammability of lip, face, and hair preparations in the presence of 100% oxygen. AD602204
- 63-28 Gogel WC: Size cues and the adjacency principle. AD602205
- 63-29 Collins WE: Task-control of arousal and the effects of repeated unidirectional angular acceleration on human vestibular responses. AD603419
- 63-30 Snyder RG, Ice J, Duncan JC, Hyde AS, Leverett S Jr: Biomedical research studies in acceleration. AD601531 Supplement-AD801793
- 63-31 Trites DK, Cobb BB Jr: Problems in air traffic management: IV. Comparison of preemployment, job-related experience with aptitude tests as predictors of training and job performance of air traffic control specialists. AD603416
- 63-32 Hinshaw LB, Emerson TE Jr, Brake CM: Mechanism of autoregulation in the intact kidney. AD603417
- 63-33 Dill DB, Robinson S, Balke B, Newton JL: Work tolerance: Age and altitude. AD603932
- 63-34 Ganslen RV, Balke B, Phillips EE, Nagle F: Effects of some tranquilizing, analeptic, and vasodilating drugs on physical work capacity and orthostatic tolerance. AD603930
- 63-35 Pearson RG: Human factors aspects of lightplane safety. AD603931
- Tech. Pub. #1 Collins WE, Tobias JV, Capps MJ, Allen ME: Annotated bibliography of recently translated material. I. AD424640

## 1964

- 64-1 Wentz AE: Studies on aging in aviation personnel. AD456652
- 64-2 Naughton J, Balke B, Nagle F: The effect of physical conditioning on an individual before and after suffering a myocardial infarction. AD456653

- 64-3 Nagle FJ, Balke M: The gradational step test for assessing cardiorespiratory capacity: An experimental evaluation of treadmill and step test procedures. AD456654
- 64-4 Spieth W: Cardiovascular health status, age, and psychological performance. AD453578
- 64-5 Moser KM: Current status of clot dissolution therapy. AD453579
- 64-6 Seipel JH, Wentz AE: Unsuspected neurologic disease in aviation personnel: Survival following seizures in flight. AD453580
- 64-7 Houk VN, Hufnagel CA, McClenathan JE, Moser KM: Chronic thrombotic obstruction of major pulmonary arteries. AD453581
- 64-8 Moser KM, Perry RB, Luchsinger PC: Cardiopulmonary consequences of pyrogen-induced hyperpyrexia in man.
- 64-9 Freud SL: Duration of spiral aftereffect as a function of retinal size, retinal place, and hemiretinal transfer. AD618588
- 64-10 Freud SL: Duration as a measure of the spiral aftereffect. AD618589
- 64-11 Pinkerson AL, Kot PA, Knowlan DM: Effect of glyceryl trinitrate on pulmonary vasculature of anesthetized dogs.
- 64-12 Scarborough WR: Comments on progress in ballistocardiographic research and the current state of the art. AD455651
- 64-13 Gogel WC: The size cue to visually perceived distance. AD456655
- 64-14 Capps MJ, Collins WE: Effects of bilateral caloric habituation on nystagmus responses of the cat. AD455652
- 64-15 Collins WE, Huffman HW: Design and performance characteristics of a mechanically driven vestibular stimulator. AD456656
- 64-16 Tobias JV, Collins WE, Allen ME: Aviation medicine translations: Annotated bibliography of recently translated material. II. AD456670
- 64-17 Freud SL: The physiological locus of the spiral aftereffect. AD611881
- 64-18 Melton CE Jr: Physiological recordings from pilots operating an aircraft simulator. AD456671
- 64-19 Perloff JK: The recognition of strictly posterior myocardial infarction by conventional scalar electrocardiography. AD611882
- 64-20 FAA Aviation Medical Library: Aviation medical papers and reports: a bibliography. AD613364

## **1965**

- 65-1 Capps MJ, Collins WE: Auditory fatigue: Influence of mental factors. AD459636
- 65-2 Collins WE, Capps MJ: Effects of several mental tasks on auditory fatigue. AD459637
- 65-3 Reighard, HL: Medical services at airports. AD611883
- 65-4 Seipel JH, Ziemnowicz SAR, O'Doherty DS: Cranial impedance plethysmography-Rheoencephalography as a method of detection of cerebrovascular disease. AD611884
- 65-5 Hauty GT, Trites DK, Berkley WJ: Biomedical survey of ATC facilities: I. Incidence of self-reported symptoms. AD689806
- 65-6 Hauty GT, Trites DK, Berkley WJ: Biomedical survey of ATC facilities: II. Experience and age. N66-16669
- 65-7 Mohler SR, Swearingen JJ, McFadden EB, Garner JD: Human factors of emergency evacuation. AD459638
- 65-8 Van Brummelen AGW, Scarborough WR, Josenhans WKT: On the elimination of pulse wave velocity in stroke volume determination from the ultralow frequency displacement ballistocardiogram. AD612450
- 65-9 Lowenstein O, Feinberg R, Loewenfeld I: Pupillary movements during acute and chronic fatigue. AD612451
- 65-10 O'Connor WF, Pearson RG: ATC system error and appraisal of controller proficiency. N66-16583
- 65-11 Gogel WC: The equidistance tendency and its consequences: Problems in depth perception. AD621432
- 65-12 Snyder RG: Survival of high-velocity free-falls in water. AD621021
- 65-13 Mohler SR: Fatigue in aviation activities. AD620022
- 65-14 Snow CC, Hasbrook AH: The angle of shoulder slope in normal males as a factor in shoulder-harness design. AD653920
- 65-15 Scarborough WR (Joint NASA-FAA publication): Ballistocardiography: a bibliography N65-35520
- 65-16 Hauty GT, Adams T: Pilot fatigue: Intercontinental jet flight: Oklahoma City-Tokyo. AD621433

*Part I: Chronological Index*

---

- 65-17 Allen ME, Collins WE, Tobias JV, Crain RA: Aviation medicine translations: Annotated bibliography of recently translated material. III. AD617090
- 65-18 Collins WE: Adaptation to vestibular disorientation: I. Vertigo and nystagmus following repeated clinical stimulation. AD617091
- 65-19 Cobb BB Jr: Problems in air traffic management: V. Identification and potential of aptitude test measures for selection of tower air traffic controller trainees. AD620722
- 65-20 Swearingen JJ: Tolerances of the human face to crash impact. AD621434
- 65-21 Trites DK: Problems in air traffic management: VI. Interaction of training-entry age with intellectual and personality characteristics of air traffic control specialists. AD620721
- 65-22 Trites DK, Miller MC, Cobb BB Jr: Problems in air traffic management. VII. Job and training performance of air traffic control specialists-measurement, structure, and prediction. AD649292
- 65-23 Swearingen JJ, Young JW: Determination of centers of gravity of children, sitting and standing. AD661865
- 65-24 Collins WE: Adaptation to vestibular disorientation. II. Nystagmus and vertigo following high-velocity angular accelerations. AD621435
- 65-25 Feinberg R, Podolak E: Latency of pupillary reflex to light stimulation and its relationship to aging. AD689809
- 65-26 Snow CC, Snyder RG: Anthropometry of air traffic control trainees. N66-25185
- 65-27 Brake CM, Reins D, Wittmers LE, Hinshaw LB: Intrarenal hemodynamic changes following acute partial renal arterial occlusion. AD649263
- 65-28 Hauty GT, Adams T: Phase shifts of the human circadian system and performance deficit during the periods of transition: I, East-West flight. AD639637
- 65-29 Hauty GT, Adams T: Phase shifts of the human circadian system and performance deficit during the periods of transition: II. West-East flight. AD689811
- 65-30 Hauty GT, Adams T: Phase shifts of the human circadian system and performance deficit during the periods of transition: III. North-South flight. AD689812
- 65-31 Pearson RG, Hunter CE, Neal GL: Development and evaluation of a radar air traffic control research task. AD660198
- 65-32 Gogel WC, Mertens HW: Problems in depth perception: A method of simulating objects moving in depth. AD660171

**1966**

- 66-1 Allen ME, Mohler SR: Aviation medicine reports: An annotated catalog of Office of Aviation Medicine reports: 1961 through 1965. AD638732
- 66-2 Allen ME, Crain RA: Aviation medicine translations: Annotated bibliography of recently translated material. IV. AD651907
- 66-3 Mohler SR, Swearingen JJ: Cockpit design for impact survival. AD687411
- 66-4 Tobias JV: A table of intensity increments. AD642113
- 66-5 Clark G: Problems in aerial application: A comparison of the effects of dieldrin poisoning in cold-adapted and room-temperature mammals. N66-30197
- 66-6 Fiorica V: Fatigue and stress studies: An improved semiautomated procedure for fluorometric determination of plasma catecholamines. AD653748
- 66-7 McFadden EB: Evaluation of the physiological protective efficiency of a new prototype disposable passenger oxygen mask. AD644118
- 66-8 Mohler SR: The predominant causes of crashes and recommended therapy. AD639779
- 66-9 Young JW: Selected facial measurements of children for oxygen mask design. AD640062
- 66-10 O'Connor WF, Pendergrass GE: Effects of decompression on operator performance. AD675774
- 66-11 Hinshaw LB, Reins DA, Emerson TE Jr, Rieger JA Jr, Stavinoha WB, Fiorica V, Solomon LA, Holmes DD: Problems in aerial application: I.-V. AD660199
- 66-12 Swearingen JJ: Injury potentials of light-aircraft instrument panels. AD642114
- 66-13 McFadden EB, Simpson JM: Flotation characteristics of aircraft-passenger seat cushions. AD642349

- 66-14 Iampietro PF, Fiorica V, Dille JR, Higgins EA, Funkhouser G, Moses R: Problems in aviation personnel: Influence of a tranquilizer on temperature regulation in man. AD638733
- 66-15 O'Connor WF, Scow J, Pendergrass GE: Hypoxia and performance decrement. AD639780
- 66-16 Lategola MT, Harrison HF, Barnard C: The aeromedical assessment of human systolic and diastolic blood-pressure transients without direct arterial puncture. AD639615
- 66-17 Naughton J, Shanbour K, Armstrong R, McCoy J, Lategola MT: Problems in aeromedical certification: Cardiovascular responses to exercise following myocardial infarction. AD640970
- 66-18 Swearingen JJ: Evaluation of head and face injury potential of current airline seats during crash decelerations. AD653869
- 66-19 Pearson RG: Performance tasks for operator-skills research. AD642115
- 66-20 McFadden EB, Lategola MT: Evaluation of the Sierra hanging quick-don crew pressure-breathing oxygen mask. AD645493
- 66-21 Naughton J, Lategola MT, Shanbour K: Clinical aviation medicine: A physical-conditioning program for cardiac patients. AD640969
- 66-22 Gogel WC, Mertens HW: Problems in depth perception: Perceived size and distance of familiar objects. AD641477
- 66-23 Iampietro PF, Adams T: The achievement of thermal balance and its maintenance during environmental stress. AD642350
- 66-24 Agee FL Jr, Gogel WC: Problems in depth perception: Equidistance judgments in the vicinity of a binocular illusion. AD641476
- 66-25 Mohler SR, Freud SL, Veregge JE, Umberger EL: Physician flight accidents. AD648768
- 66-26 Clark G: Problems in aerial application: Histochemistry of Weil stain on liver. AD652599
- 66-27 Dille JR, Morris Edward W: Human factors in general aviation accidents. AD640971
- 66-28 Mohler SR: Oxygen in general aviation. AD645497
- 66-29 Mohler SR: Recent findings on the impairment of airmanship by alcohol. AD644119
- 66-30 Mohler SR, Harper CR: Protecting the Ag pilot. AD641478
- 66-31 Von Rosenberg CW, Keen FR, Mohler SR: The "stall barrier" as a new preventive in general aviation accidents. AD642351
- 66-32 Mohler SR, Hasbrook AH: In-flight response to a new non-gyroscopic blind flight instrument. AD641479
- 66-33 Young JW: Recommendations for shoulder restraint installation in general aviation aircraft. AD646054
- 66-34 Clark G: Problems in aerial application: A comparison of the acute effects of endrin and carbon tetrachloride on the livers of rats and of the residual effects one month after poisoning. AD645494
- 66-35 Melton CE Jr, Wicks SM: Pilot vision considerations: The effect of age on binocular fusion time. AD645495
- 66-36 Nagle FJ, Naughton J, Balke B: Clinical aviation medicine research: Comparison of simultaneous measurements of intra-aortic and auscultatory blood pressure with pressure-flow dynamics during rest and exercise. AD645496
- 66-37 Collins WE: Adaptation to vestibular disorientation. III. Influence on adaptation of interrupting nystagmic eye movements with opposing stimuli. AD649615
- 66-38 Mertens HW: A homogeneous field for light adaptation.
- 66-39 Melton CE Jr, Higgins EA, Saldivar JT, Wicks SM: Exposure of men to intermittent photic stimulation under simulated IFR conditions. AD646872
- 66-40 Swearingen JJ: Evaluation of various padding materials for crash protection. AD647048
- 66-41 McKenzie JM, Fiorica V: Physiological responses of pilots to severe-weather flying. AD646871
- 66-42 Garner JD, Blethrow JG: Emergency evacuation tests of a crashed L-1649. AD645423

**1967**

- 67-1 Cobb BB Jr: The relationships between chronological age, length of experience, and job performance ratings of air route traffic control specialists. AD661468
- 67-2 Mertens RA, Collins WE: Adaptation to vestibular disorientation. IV. Responses to angular acceleration and to bilateral caloric stimulation following unilateral caloric habituation. AD653696

- 67-3 McFadden EB: Development of techniques for evaluating the physiological protective efficiency of civil aviation oxygen equipment. AD659498
- 67-4 McFadden EB, Reynolds HI, Funkhouser GE: A protective passenger smoke hood. AD657436
- 67-5 Fowler PR, McKenzie JM: Problems in aerial application: Detection of mild poisoning by organophosphorus pesticides using an automated method for cholinesterase activity. AD656211
- 67-6 Collins WE, Guedry FE Jr: Adaptation to vestibular disorientation. V. Eye-movement and subjective turning responses to two durations of angular acceleration. N67-38956
- 67-7 Guedry FE Jr, Collins WE: Adaptation to vestibular disorientation. VI. Eye-movement and subjective turning responses to varied durations of angular acceleration. AD671855
- 67-8 Lewis MF, Ashby FK: Diagnostic tests of color-defective vision: Annotated bibliography, 1956-1966. AD660200
- 67-9 McFadden EB, Harrison HF, Simpson JM: Performance characteristics of constant-flow phase dilution oxygen mask designs for general aviation. AD660201
- 67-10 Rowland RC Jr, Tobias JV: Interaural intensity difference limen. AD661235
- 67-11 Seipel JH: The biophysical basis and clinical applications of rheoencephalography. AD673082
- 67-12 Collins WE: Adaptation to vestibular disorientation. VII. Special effects of brief periods of visual fixation on nystagmus and sensations of turning. AD659192
- 67-13 Young JW: A functional comparison of basic restraint systems. AD660202
- 67-14 Swearingen JJ: An evaluation of potential decompression hazards in small pressurized aircraft. AD660203
- 67-15 Melton CE Jr, Wicks SM: In-flight physiological monitoring of student pilots. AD665660
- 67-16 Lewis MF: Cross-modality matching of loudness to brightness for flashes of varying luminance and duration. AD664463
- 67-17 Funkhouser GE, Billings SM: A portable device for the measurement of evaporative water loss. AD664465
- 67-18 Gogel WC: Cue-enhancement as a function of task-set. AD664466
- 67-19 Collins WE: Adaptation to vestibular disorientation. VIII. "Coriolis" vestibular stimulation and the influence of different visual surrounds. N68-16799
- 67-20 Gogel WC, Mertens HW: Perceived depth between familiar objects. AD665293
- 67-21 Crane CR, Sanders DC: Evaluation of a biocidal turbine-fuel-additive. AD665661
- 67-22 Mohler SR, Bedell RHS, Ross A, Veregge EJ: Aircraft accidents by older persons. AD663688
- 67-23 Veregge EJ: Type airman certification as related to accidents. AD663688
- 67-24 Lewis MF, Mertens HW: Reaction time as a function of flash luminance and duration. AD664464
- 67-25 Siegel PV: Aviation medicine, FAA-1966. AD675943

## 1968

- 68-1 Index to FAA Office of Aviation Medicine Reports: 1961 through 1967. AD673666
- 68-2 Collins WE: Adaptation to vestibular disorientation: IX. Influence of head position on the habituation of vertical nystagmus. AD677460
- 68-3 Podolak E, Kinn JB, Westura EE: Biomedical applications of a commercial capacitance transducer. AD683292
- 68-4 Fiorica V, Burr MJ, Moses R: Contribution of activity to the circadian rhythm in excretion of magnesium and calcium. AD674416
- 68-5 Booze CF Jr: Usage of combined airman certification by active airmen: An active airman population estimate. AD678947
- 68-6 Crosby WM, Snyder RG, Snow CC, Hanson PG: Impact injuries in pregnancy. I. Experimental studies. AD674861
- 68-7 Allen ME, Mertens RA: Aviation medicine translations: Annotated bibliography of recently translated material. V. AD673665
- 68-8 Mohler SR, Dille JR, Gibbons HL: Circadian rhythms and the effects of long-distance flights. AD672898
- 68-9 Siegel PV, Booze CF Jr: A retrospective analysis of aeromedical certification denial actions. January 1961-December 1967. AD675521

- 68-10 Collins WE, Schroeder DJ: The spiral aftereffect: Influence of stimulus size and viewing distance on the duration of illusory motion. AD673644
- 68-11 Hasbrook AH, Young PE: Pilot response to peripheral vision cues during instrument flying tasks. AD684804
- 68-12 Hasbrook AH, Young PE: Peripheral vision cues: Their effect on pilot performance during instrument landing approaches and recoveries from unusual attitudes. AD683305
- 68-13 Vaughan JA, Higgins EA, Funkhouser GE, Galerston EM: The effects of body thermal state on manual performance. AD675522
- 68-14 Cobb BB Jr: A comparative study of air traffic trainee aptitude-test measures involving Navy, Marine Corps, and FAA controllers. AD686669
- 68-15 Higgins EA, Davis AW Jr, Fiorica V, Iampietro PF, Vaughan JA, Funkhouser GE: Effects of two antihistamine containing compounds upon performance at three altitudes. AD676502
- 68-16 Dille JR, Mohler SR: Drug and toxic hazards in general aviation. AD686670
- 68-17 Thackray RI, Pearson DW: The effects of cognitive appraisal of stress on heart rate and task performance. AD687413
- 68-18 Higgins EA, Davis AW Jr, Vaughan JA, Funkhouser GE, Galerston EM: The effects of alcohol at three simulated aircraft cabin conditions. AD686671
- 68-19 Snyder RG, Snow CC: Fatal injuries resulting from extreme water impact. AD688424
- 68-20 Lewis MF: Two-flash thresholds as a function of flash luminance and area. AD686672
- 68-21 Tobias JV: Cockpit noise intensity: Fifteen single-engine light aircraft. AD686425
- 68-22 Hasbrook AH: A comparison of effects of peripheral vision cues on pilot performance during instrument flight in dissimilar aircraft simulators. AD688425
- 68-23 Fiorica V: A table for converting pH to hydrogen ion concentration [H<sup>+</sup>] over the range 5-9. AD688120
- 68-24 Snyder RG, Snow CC, Crosby WM, Hanson P, Fineg J, Chandler R: Impact injury to the pregnant female and fetus in lap belt restraint. AD689359
- 68-25 Tobias JV: Cockpit noise intensity: Eleven twin-engine light aircraft. AD688111
- 68-26 Melton CE Jr, Wicks M, Saldivar JT, Morgan J, Vance FP: Physiological studies on air tanker pilots flying forest fire retardant missions. AD690090
- 68-27 Lewis MF, Mertens HW: Assessment of the Broca-Sulzer phenomenon via inter- and intra-modality matching procedures: Studies of signal-light brightness. AD689358
- 68-28 Collins WE: Adaptation to vestibular disorientation. X. Modification of vestibular nystagmus and "vertigo" by means of visual stimulation. AD691405

## 1969

- 69-1 Melton CE Jr, Wicks M: Binocular fusion time in sleep-deprived subjects. AD688426
- 69-2 Siegel PV, Mohler SR: Medical factors in U.S. general aviation accidents. AD689740
- 69-3 Snyder RG, Snow CC, Young JW, Crosby WM, Price GT: Pathology of trauma attributed to restraint systems in crash impacts. AD690415
- 69-4 Snyder RG, Young JW, Snow CC: Experimental impact protection with advanced restraint systems: Preliminary primate tests with air bag and inertia reel/inverted-Y yoke torso harness. AD695416
- 69-5 Snyder RG, Crosby WM, Snow CC, Young JW, Hanson PG: Seat belt injuries in impact. AD698298
- 69-6 Chiles WD, Bruni CB, Lewis RA: Methodology in the assessment of complex human performance: The effects of signal rate on monitoring a dynamic process. AD697943
- 69-7 Pearson DW, Thackray RI: Consistency of performance change and autonomic response as a function of expressed attitude toward a specific stress situation. AD697944
- 69-8 Thackray RI: Patterns of physiological activity accompanying performance on a perceptual-motor task. AD697945
- 69-9 Chiles WD, Gibbons HL, Smith PW: Effects of two common medications on complex performance. AD703631
- 69-10 Iampietro PF, Chiles WD, Higgins EA, Gibbons HL, Jennings AE, Vaughan JA: Complex performance during exposure to high temperatures. AD703632

- 69-11 Booze CF Jr: Occupations of active airmen. AD704474
- 69-12 Melton CE Jr, Hoffmann SM, Delafield RH: The use of a tranquilizer (chlor diazepam) in flight training. AD703221
- 69-13 Snyder RG, Snow CC, Young JW, Price GT, Hanson PG: Experimental comparison of trauma in lateral (+Gy), rearward-facing (+Gx), and forward-facing (-Gx) body orientations when restrained by lap belt only. AD707185
- 69-14 Chiles WD, Jennings AE: Effects of alcohol on complex performance. AD703633
- 69-15 Williams MJ, Collins WE: The spiral aftereffect. II. Some influences of visual angle and retinal speed on the duration and intensity of illusory motion. AD703634
- 69-16 Chiles WD, Bruni CB, Lewis RA: Methodology in the assessment of complex performance: The effects of signal rate on monitoring a static process. AD703635
- 69-17 Siegel PV, Gerathewohl SJ, Mohler SR: Time-zone effects on the long-distance air traveler. AD702443
- 69-18 Siegel PV, Mohler SR, Cierebiej A: The safety significance of aircraft accident post mortem findings. AD704473
- 69-19 Pearson DW, Clark G, Moore CM: A comparison of the behavioral effects of various levels of chronic disulfoton poisoning. AD704470
- 69-20 Collins WE, Updegraff BP: Adaptation to vestibular disorientation. XI. The influence of specific and nonspecific gravireceptors on nystagmic responses to angular acceleration. AD704471
- 69-21 Thackray RI, Touchstone RM: Recovery of motor performance following startle. AD704472
- 69-22 Swearingen JJ, Badgley JM, Braden GE, Wallace TF: Determination of centers of gravity of infants. AD708514
- 69-23 Brecher MH, Brecher GA: Motor effects from visually induced disorientation in man. AD708425
- 69-24 Gerathewohl SJ: Fidelity of simulation and transfer of training: A review of the problem. AD706744

## 1970

- 70-1 Index to FAA Office of Aviation Medicine Reports: 1961 through 1969. AD714027
- 70-2 Brecher MH, Brecher GA: Quantitative evaluation of optically induced disorientation. AD709329
- 70-3 Ryan LC, Endecott BR, Hanneman GD, Smith PW: Effects of an organophosphorus pesticide on reproduction in the rat. AD709327
- 70-4 Crane CR, Sanders DC, Abbott JK: Studies on the storage stability of human blood cholinesterases: I. AD714028
- 70-5 Higgins EA, Vaughan JA, Funkhouser GE: Blood alcohol concentrations as affected by combinations of alcoholic beverage dosages and altitudes. AD709328
- 70-6 Tobias JV: Auditory processing for speech intelligibility improvement. AD717394
- 70-7 Hasbrook AH, Rasmussen PG: Pilot heart rate during in-flight simulated instrument approaches in a general aviation aircraft. AD711268
- 70-8 Fiorica V, Higgins EA, Lategola MT, Davis AW Jr, Iampietro PF: Physiological responses of men during sleep deprivation. AD713590
- 70-9 Gerathewohl SJ, Morris Everett W, Sirkis JA: Anti-collision lights for the supersonic transport (SST). AD713488
- 70-10 Collins WE, Schroeder DJ, Rice N, Mertens RA, Kranz G: Some characteristics of optokinetic eye-movement patterns: A comparative study. AD715440
- 70-11 Revzin AM: Some acute and chronic effects of endrin on the brain. AD715452
- 70-12 Mohler SR: Physiologically tolerable decompression profiles for supersonic transport type certification. AD713055
- 70-13 Crane CR, Sanders DC, Abbott JK: A comparison of three serum cholinesterase methods. AD715439
- 70-14 Karson S, O'Dell JW: Performance ratings and personality factors in radar controllers. AD715247
- 70-15 Lewis MF, Mertens, HW: Two-flash thresholds as a function of comparison stimulus duration. AD716645
- 70-16 Snow CC, Carroll JJ, Allgood MA: Survival in emergency escape from passenger aircraft. AD735388
- 70-17 Collins WE: Effective approaches to disorientation familiarization for aviation personnel. AD719003
- 70-18 Lategola MT, Fiorica V, Booze CF Jr, Folk ED: Comparison of status variables among accident and nonaccident airmen from the active airman population. AD722148
- 70-19 Garner JD, Blethrow JG: Evacuation tests from an SST mockup. AD720627



- 70-20 McFadden EB, Smith RC: Protective smoke hood studies. AD727021  
70-21 Lategola MT, Harrison HF: A device and method for rapid indirect measurement of human systolic and diastolic blood pressures. AD722032  
70-22 Iampietro PF: Tolerances to thermal extremes in aerospace activities. AD722001

## 1971

- 71-1 Tobias JV: Noise audiometry. AD723464  
71-2 Melton CE Jr, McKenzie JM, Polis BD, Funkhouser GE, Iampietro PF: Physiological responses in air traffic control personnel: O'Hare Tower. AD723465  
71-3 Swearingen JJ: General aviation structures directly responsible for trauma in crash decelerations. AD728728  
71-4 Iampietro PF: Use of skin temperature to predict tolerance to thermal environments. AD723466  
71-5 Mertens RA, Goulden DR, Lacy CD, Jones KN: Aviation medicine translations: Annotated bibliography of recently translated material. VI. AD723467  
71-6 Schroeder DJ: Alcohol and disorientation-related responses. I. Nystagmus and "vertigo" during caloric and optokinetic stimulation. AD728314  
71-7 Thackray RI, Jones KN: Effects of conflicting auditory stimuli on color-word interference and arousal. AD727018  
71-8 Lategola MT: Biodynamic evaluation of air traffic control students between 1960-1963. AD726254  
71-9 Cierebiej A, Mohler SR, Stedman VG: Physician pilot- in-command flight accidents, 1964 through 1970. AD724286  
71-10 Gerathewohl SJ, Mohler SR, Siegel PV: Medical and psychological aspects of mass air transportation. AD726286  
71-11 Fiorica V, Burr MJ, Moses R: Effects of low-grade hypoxia on performance in a vigilance situation. AD727019  
71-12 Swearingen JJ: Acceptance tests of various upper torso restraints. AD726253  
71-13 Swearingen JJ: Tolerances of the human brain to concussion. AD726287  
71-14 Smith RC: Assessment of a "stress" response-set in the Composite Mood Adjective Check List. AD727020  
71-15 Fiorica V, Moses R: Automated differential fluorometric analysis of norepinephrine and epinephrine in blood plasma and urine. AD729535  
71-16 Schroeder DJ: Alcohol and disorientation-related responses. II. Nystagmus and "vertigo" during angular acceleration. AD730629  
71-17 Chiles WD, Iampietro PF, Higgins EA, Vaughan JA, West G, Funkhouser GE: Combined effects of altitude and high temperature on complex performance. AD729536  
71-18 Gibbons HL, Fromhagen C: Aeromedical transportation and general aviation. AD728315  
71-19 Lategola MT: Changes in cardiovascular health parameters over an eight-year interval in an ATC population segment. AD729537  
71-20 Collins WE, Gilson RD, Schroeder DJ, Guedry FE Jr: Alcohol and disorientation-related responses. III. Effects of alcohol ingestion on tracking performance during angular acceleration. AD728843  
71-21 Smith RC, Melton CE Jr, McKenzie JM: Affect adjective check list assessment of mood variations in air traffic controllers. AD729832  
71-22 Brecher MH, Brecher GA: Effect of a moving optical environment on the subjective median. AD728316  
71-23 Melton CE Jr, Fiorica V: Physiological responses of low-time private pilots to cross-country flying. AD728317  
71-24 Hasbrook AH, Rasmussen PG: Aural glide slope cues: Their effect on pilot performance during in-flight simulated ILS instrument approaches, AD731848  
71-25 Norwood GK: The philosophy and limitations of FAA aeromedical standards, policies, and procedures. AD729538  
71-26 Friedberg W, Nelson JM: Calibration of the Concorde radiation detection instrument and measurements at SST altitude. AD732789  
71-27 Lewis ME, Steen JA: Color-defective vision and the recognition of aviation color signal light flashes. AD729539  
71-28 Chiles WD, Smith RC: A nonverbal technique for the assessment of general intellectual ability in selection of aviation personnel. AD728844

## *Part I: Chronological Index*

---

- 71-29 Thackray RI, Touchstone RM, Jones KN: The effects of simulated sonic booms on tracking performance and autonomic response. AD729833
- 71-30 Smith RC, Cobb BB Jr, Collins WE: Attitudes and motivational factors in terminal area air traffic control work. AD730630
- 71-31 Mehling KD, Collins WE, Schroeder DJ: The spiral aftereffect: III. Some effects of perceived size, retinal size, and retinal speed on the duration of illusory motion. AD729834
- 71-32 Steen JA, Lewis MF: Color defective vision and day and night recognition of aviation color signal light flashes. AD730631
- 71-33 Mohler SR, Gerathewohl SJ: Civil aeromedical standards for general-use aerospace transportation vehicles. AD728318
- 71-34 Gilson RD, Schroeder DJ, Collins WE, Guedry FE Jr: Alcohol and disorientation-related responses. IV. Effects of different alcohol dosages and display illumination on tracking performance during vestibular stimulation. AD729835
- 71-35 Smith RC: Personality assessment in aviation: An analysis of the item ambiguity characteristics of the 16PF and MMPI. AD736266
- 71-36 Cobb BB Jr, Lay CD, Bourdet NM: The relationship between chronological age and aptitude test measures of advanced-level air traffic control trainees. AD733830
- 71-37 McFadden EB, Young JW: Evaluation of an improved flotation device for infants and small children. AD729836
- 71-38 Norwood GK: Senior aviation medical examiners conducting FAA first-class medical examinations. AD731849
- 71-39 Hill RJ, Collins WE, Schroeder DJ: Alcohol and disorientation-related responses: V. The influence of alcohol on positional, rotatory, and coriolis vestibular responses over 32-hour periods. AD735389
- 71-40 Cobb BB Jr: Air traffic aptitude test measures of military and FAA controller trainees. AD737871
- 71-41 Higgins EA, Fiorica V, Davis HV, Thomas AA: The acute toxicity of brief exposure of HF, HCl, and N<sub>2</sub>O and HCN singly and in combination with CO. AD735160
- 71-42 Mertens HW, Lewis MF: Discrimination of short-duration (two-pulse) flashes as a function of signal luminance and method of measurement. AD737872

## **1972**

- 72-1 Dille JR, Grimm MH: Index to FAA Office of Aviation Medicine Reports: 1961 through 1971. AD742607
- 72-2 Yanowitch RE, Mohler SR, Nichols EA: The psycho-social reconstruction inventory: A postdictal instrument in aircraft accident investigation. AD738464
- 72-3 Sirkis JA: The benefits of the use of shoulder harness in general aviation aircraft. AD739943
- 72-4 Billings CE, Wick RL Jr, Gerke RJ, Chase RC: The effects of alcohol on pilot performance during instrument flight. AD740778
- 72-5 Chiles WD, Jennings AE, West G: Multiple-task performance as a predictor of the potential of air traffic controller trainees. AD741736
- 72-6 Lowrey DL, Langston ED, Reed W, Swearingen JJ: Effectiveness of restraint equipment in enclosed areas. AD739944
- 72-7 Langston ED, Swearingen JJ: Evaluation of a fiberglass instrument glare shield for protection against head injury. AD740732
- 72-8 Zeiner AR, Brecher GA: Effects of backscatter of brief high-intensity light on physiological responses of instrument-rated pilots and non-pilots. AD744234
- 72-9 Rasmussen PG, Hasbrook AH: Pilot tracking performance during successive in-flight simulated instrument approaches. AD743392
- 72-10 McFadden EB: Physiological evaluation of a modified jet transport passenger oxygen mask. AD743422
- 72-11 Chiles WD, Jennings AE: Effects of alcohol on a problem-solving task. AD743423
- 72-12 Crane CR, Sanders DC, Abbott JK: A comparison of serum cholinesterase methods: II. AD744866
- 72-13 Booze CF Jr: Attrition from active airman status during 1970. AD742608
- 72-14 Thackray RI, Jones KN, Touchstone RM: The color- word interference test and its relation to performance impairment under auditory distraction. AD743424

- 72-15 Swearingen JJ, Wallace TF, Blethrow JG, Rowlan DE: Crash survival analysis of 16 agricultural aircraft accidents. AD745257
- 72-16 Jones KN, Goulden DR, Grimm EJ: Aviation medicine translations: Annotated bibliography of recently translated material. VII. AD747125
- 72-17 Iampietro PF, Melton CE Jr, Higgins EA, Vaughan JA, Hoffman SM, Funkhouser GE, Saldivar JT: High temperature and performance in a flight task simulator. AD746057
- 72-18 Cobb BB Jr, Mathews JJ: A proposed new test for aptitude screening of air traffic controller applicants. AD746058
- 72-19 Chiles WD, West G: Residual performance effects of simulated sonic booms introduced during sleep. AD747989
- 72-20 Lategola MT: The use of simple indicators for detecting potential coronary heart disease susceptibility in the air traffic controller population. AD747990
- 72-21 Jennings AE, Chiles WD, West G: Methodology in the measurement of complex human performance: Two-dimensional compensatory tracking. AD745259
- 72-22 Cobb BB Jr, Mathews JJ, Lay CD: A comparative study of female and male air traffic controller trainees. AD751312
- 72-23 Smith RC: A study of the State-Trait Anxiety Inventory and the assessment of stress under simulated conditions. AD747991
- 72-24 Smith RC, Hutto GL: Sonic booms and sleep: Affect change as a function of age. AD749277
- 72-25 Thackray RI, Jones KN, Touchstone RM: Self-estimate of distractibility as related to performance decrement on a task requiring sustained attention. AD751396
- 72-26 Lategola MT: The use of simple indicators for detecting potential coronary heart disease susceptibility in the third-class airman population. AD749278
- 72-27 Karim B, Bergey KH, Chandler RF, Hasbrook AH, Purswell JL, Snow CC: A preliminary study of maximal control force capability of female pilots. AD753987
- 72-28 Mohler SR: G effects on the pilot during aerobatics. AD751397
- 72-29 Lewis MF, Mertens HW, Steen JA: Behavioral changes from chronic exposure to pesticides used in aerial application: Effects of Phosdrin on the performance of monkeys and pigeons on variable interval reinforcement schedules. AD749893
- 72-30 Folk ED, Garner JD, Cook EA, Broadhurst JL: GPSS/360 computer models to simulate aircraft passenger emergency evacuation. AD755542
- 72-31 Tobias JV: Binaural processing of speech in light aircraft. AD753637
- 72-32 Tobias JV: Auditory effects of noise on air-crew personnel. AD757239
- 72-33 Cobb BB Jr, Mathews JJ, Nelson PL: Attrition-retention rates of air traffic controller trainees recruited during 1960-1963 and 1968-1970. AD757933
- 72-34 Schroeder DJ, Gilson RD, Guedry FE, Collins WE: Alcohol and disorientation-related responses. VI. Effects of alcohol on eye movements and tracking performance during laboratory angular accelerations about the yaw and pitch axes. AD766937
- 72-35 Collins WE, Iampietro PF: Simulated sonic booms and sleep: Effects of repeated booms of 1.0 psf. AD762988

## 1973

- 73-1 Braden GE, Reed W, Swearingen JJ: Application of commercial aircraft accident investigation techniques to a railroad derailment. AD764188
- 73-2 Smith RC: Job attitudes of air traffic controllers: A comparison of three air traffic control specialties. AD763508
- 73-3 Revzin AM: Subtle changes in brain functions produced by single doses of mevinphos (Phosdrin). AD763509
- 73-4 Revzin AM: Transient blindness due to the combined effects of mevinphos and atropine. AD763555
- 73-5 Yanowitch RE, Bergin JM, Yanowitch EA: The aircraft as an instrument of self-destruction. AD763556
- 73-6 Lewis MF: Frequency of anticollision observing responses by solo pilots as a function of traffic density, ATC traffic warnings, and competing behavior. AD763557
- 73-7 Cobb BB Jr, Nelson PL, Mathews JJ: The relationships of age and ATC experience to job performance rating of terminal area traffic controllers. AD773449

*Part I: Chronological Index*

---

- 73-8 Booze CF Jr: Prevalence and incidence of disease among airmen medically certified during 1965. AD773544
- 73-9 Hasbrook AH, Rasmussen PG: In-flight performance of civilian pilots using moving-aircraft and moving-horizon attitude indicators. AD773450
- 73-10 Lategola MT, Lynn CA, Folk ED, Booze CF Jr, Lyne PJ: Height and weight errors in aeromedical certification data. AD773452
- 73-11 Thackray RI, Ryander R, Touchstone RM: Sonic boom startle effects: Report of a field study. AD773451
- 73-12 Lewis MF, Ferraro DP: Flying high: The aeromedical aspects of marihuana. AD775889
- 73-13 Tobias JV, Irons FM: Reception of distorted speech. AD777564
- 73-14 Thackray RI, Jones KN, Touchstone RM: Personality and physiological correlates of performance decrement on a monotonous task requiring sustained attention. AD777825
- 73-15 Smith RC, Melton CE Jr: Susceptibility to anxiety and shift difficulty as determinants of state anxiety in air traffic controllers. AD777565
- 73-16 Thackray RI, Touchstone RM, Bailey JP: A comparison of the startle effects resulting from exposure to two levels of simulated sonic booms. AD777581
- 73-17 Schroeder DJ, Collins WE, Elam GW: Effects of secobarbital and d-amphetamine on tracking performance during angular acceleration. AD777582
- 73-18 Steen JA, Collins WE, Lewis MF: Utility of several clinical tests of color-defective vision in predicting daytime and nighttime performance with the aviation signal light gun. AD777563
- 73-19 Constant GN, Goulden DR, Grimm EJ: Aviation medicine translations: Annotated bibliography of recently translated material. VIII. AD776136
- 73-20 Tobias JV, Irons FM: Ear-protector ratings. AD779552
- 73-21 Melton CE Jr, McKenzie JM, Polis BD, Hoffmann SM, Saldivar JT: Physiological responses in air traffic control personnel: Houston Intercontinental Tower. AD777838
- 73-22 Melton CE Jr, McKenzie JM, Smith RC, Polis BD, Higgins EA, Hoffmann SM, Funkhouser GE, Saldivar JT: Physiological, biochemical, and psychological responses in air traffic control personnel: Comparison of the 5-day and 2-2-1 shift rotation patterns. AD778214
- 73-23 Leeper RC, Hasbrook AH, Purswell JL: Study of control force limits for female pilots. AD777839

**1974**

- 74-1 Dille JR, Grimm MH: Index to FAA Office of Aviation Medicine Reports: 1961 through 1973. AD779553
- 74-2 Mathews JJ, Collins WE, Cobb BB: A sex comparison of reasons for attrition of nonjourneyman FAA air traffic controllers. AD780558
- 74-3 Collins WE: Adaptation to vestibular disorientation. XII. Habituation of vestibular responses: an overview. AD780562
- 74-4 Young JW, Fisher RG, Price GT, Chandler R F: Experimental trauma of occipital impacts. AD780668
- 74-5 Booze C, F Jr: Characteristics of medically disqualified airman applicants during calendar year 1971. AD781684
- 74-6 Lategola MT, Layne PJ: Amplitude/frequency differences in a supine resting single-lead electrocardiogram of normal versus coronary heart diseased males. AD781685
- 74-7 Mathews JJ, Collins WE, Cobb BB Jr: Job-related attitudes of nonjourneyman FAA air traffic controllers and former controllers: a sex comparison. AD787238
- 74-8 Cobb BB Jr, Nelson PL: Aircraft-pilot and other pre-employment experience as factors in the selection of air traffic controller trainees. ADA001039
- 74-9 Thackray RI, Touchstone RM, Bailey JP: Behavioral, autonomic, and subjective reactions to low- and moderate-level sonic booms: A report of two experiments and a general evaluation of sonic boom startle effects. ADA002266
- 74-10 Chiles WD, West G: Multiple-task performance as a predictor of the potential of air traffic controller trainees: A follow-up study. ADA002920
- 74-11 Melton CE Jr, McKenzie JM, Saldivar JT, Hoffmann SM: Comparison of Opa Locka Tower with other ATC facilities by means of a biochemical stress index. ADA008378

74-12 Smith RC: A realistic view of the people in air traffic control. ADA006789

## 1975

- 75-1 Jones KN, Steen JA, Collins WE: Predictive validities of several clinical color vision tests for aviation signal light gun performance. ADA006792
- 75-2 Snow CC, Reynolds HM, Allgood MA: Anthropometry of airline stewardesses. ADA012965
- 75-3 Mathews JJ, Cobb BB Jr, Collins WE: Attitudes on en route air traffic control training and work: A comparison of recruits initially trained at the FAA Academy and recruits initially trained at assigned centers. ADA013343
- 75-4 Collins WE, Lennon A0, Grimm EJ: The use of vestibular tests in civil aviation medical examinations: Survey of practices and proposals by aviation medical examiners. ADA015087
- 75-5 Ryan LC, Gerathewohl SJ, Mohler SR, Booze CF Jr: To see or not to see: Visual acuity of pilots involved in midair collisions. ADA016277
- 75-6 Lewis MF, Ferraro DP, Mertens HW, Steen JA: Interaction between marihuana and altitude on a complex behavioral task in baboons. ADA020680/5GI
- 75-7 Melton CE Jr, Smith RC, McKenzie JM, Saldivar JT, Hoffmann SM, Fowler PR: Stress in air traffic controllers: Comparison of two air route traffic control centers on different shift rotation patterns. ADA020679/7GI
- 75-8 Thackray RI, Bailey JP, Touchstone RM: Physiological, subjective, and performance correlates of reported boredom and monotony while performing a simulated radar control task. ADA025426/8GI
- 75-9 Smith RC, Rana B, Taylor DK: An evaluation of the effectiveness of the FAA Management Training School. ADA025254/4GI
- 75-10 Higgins EA, Chiles WD, McKenzie JM, Iampietro PF, Winget CM, Funkhouser GE, Burr MJ, Vaughan JA, Jennings AE: The effects of a 12-hour shift in the wake-sleep cycle on the physiological and biochemical responses and on multiple-task performance. ADA021518/GGI
- 75-11 Tobias JV: Earplug ratings based on the protector-attenuation rating (P-AR). ADA024756/9GI
- 75-12 Hasbrook AH, Rasmussen PG, Willis DM: Pilot performance and heart rate during in-flight use of a compact instrument display. ADA021519/4GI
- 75-13 Reynolds HM, Allgood MA: Functional strength of commercial-airline stewardesses. ADA021836/2GI
- 75-14 Higgins EA, Chiles WD, McKenzie JM, Iampietro PF, Vaughan JA, Funkhouser GE, Burr MJ, Jennings AE, West G: The effects of dextroamphetamine on physiological responses and complex performance during sleep loss. ADA021520/2GI

## 1976

- 76-1 Jennings AE, Chiles WD: An investigation of time-sharing ability as a factor in complex performance. ADA031881/GGA
- 76-2 Smith RC, Melton CE: Effects of ground trainer use on the psychological and physiological states of students in private pilot training. ADA024704/9GI
- 76-3 Tobias JV: Massed versus distributed practice in learned improvement of speech intelligibility. ADA024705/GGI
- 76-4 Constant GN, Grimm EJ, Goulden DR, Murcko LE: Aviation medicine translations: Annotated bibliography of recently translated material. IX. ADA031492/2GA
- 76-5 Vaughan JA, Welsh KW: Visual evaluation of smoke-protective devices. ADA031493/0GI
- 76-6 Cobb BB Jr, Young CL, Rizzuti BL: Education as a factor in the selection of air traffic controller trainees. ADA031880/8GI
- 76-7 Dille JR, Booze CF Jr: Accident experience of civilian pilots with static physical defects. ADA029431/4GI
- 76-8 Reighard HL: Aviation medicine. ADA032558/9GI
- 76-9 Young JW, Reynolds HM, McConville JT, Snyder RG, Chandler RF: Development and evaluation of masterbody forms for 3- and 6-year-old-child dummies. ADA037547/7GI
- 76-10 Dark SJ: Characteristics of medically disqualified airman applicants in calendar years 1973 and 1974. ADA032603/3GI

*Part I: Chronological Index*

---

- 76-11 Higgins EA, Chiles WD, McKenzie JM, Funkhouser GE, Burr MJ, Jennings AE, Vaughan JA: Physiological, biochemical, and multiple-task-performance responses to different alterations of the wake-sleep cycle. ADA033889/7GI
- 76-12 Collins WE: Some effects of sleep deprivation on tracking performance in static and dynamic environments. ADA033331/0GI
- 76-13 Melton CE Jr, Smith RC, McKenzie JM, Hoffmann SM, Saldivar JT: Stress in air traffic controllers: Effects of ARTS-III. ADA034752/GGI
- 76-14 Lentz JM, Collins WE: Three studies of motion sickness susceptibility. ADA036284/8GI
- 76-15 McKenzie JM: The aeromedical significance of sickle-cell trait. ADA038466/9GI

**1977**

- 77-1 Murcko LE, Dille JR: Index to FAA Office of Aviation Medicine Reports: 1961 through 1976. ADA037234/2GI
- 77-2 Welsh KW, Vaughan JA, Rasmussen PG: Survey of cockpit visual problems of senior pilots. ADA037587/3GI
- 77-3 Lategola MT, Flux M, Lyne PJ: Spirometric assessment of potential respiratory impairment in general aviation airmen. ADA038296/0
- 77-4 Valdez CD: Ten-year survey of altitude chamber reactions using the FAA training chamber flight profiles. ADA03723/9GI
- 77-5 Saldivar JT, Hoffmann SM, Melton CE: Sleep in air traffic controllers. ADA038297/8GI
- 77-6 Gerathewohl SJ: Psychophysiological effects of aging: Developing a functional age index for pilots: I. A survey of the pertinent literature. ADA04032/0GI
- 77-7 Welsh KW, Rasmussen PG, Vaughan JA: Intermediate visual acuity of presbyopic individuals with and without distance and bifocal lens corrections. ADA038538/5GI
- 77-8 Hanneman GD, Higgins EA, Price GT, Funkhouser GE, Grape PM, Snyder L: A study of effects of hyperthermia on large, short-haired male dogs: A simulated air transport environmental stress. ADA040432/7GI
- 77-9 Crane CR, Sanders DC, Endecott BR, Abbott JK, Smith PW: Inhalation toxicology: I. Design of a small-animal test system. II. Determination of the relative toxic hazards of 75 aircraft cabin materials. ADA043646/9GI
- 77-10 Booze CF Jr: An epidemiologic investigation of occupation, age, and exposure in general aviation accidents. ADA040978/9GI
- 77-11 Blethrow JG, Garner JD, Lowrey DL, Busby DE, Chandler RF: Emergency escape of handicapped air travelers. ADA043269/0GI
- 77-12 Mertens HW: Perceived orientation of a runway model in nonpilots during simulated night approaches to landing. ADA044553/GGI
- 77-13 Welsh KW, Rasmussen PG, Vaughan JA: Readability of alphanumeric characters having various contrast levels as a function of age and illumination mode. ADA044554/4GI
- 77-14 Welsh KW, Rasmussen PG, Vaughan JA: Refractive error characteristics of early and advanced presbyopic individuals. ADA044555/1GI
- 77-15 Chiles WD: Objective methods for developing indices of pilot workload. ADA044556/9GI
- 77-16 Lategola MT, Flux M, Lyne PJ: Altitude tolerance of general aviation pilots with normal or partially impaired spirometric function. ADA044557/7GI
- 77-17 Higgins EA, Chiles WD, McKenzie JM, Davis AW Jr, Funkhouser GE, Jennings AE, Mullen SR, Fowler PR: Effects of lithium carbonate on performance and biomedical functions. ADA044824/1GI
- 77-18 Thackray RI, Bailey JP, Touchstone RM: The effect of increased monitoring load on vigilance performance using a simulated radar display. ADA044558/5GI
- 77-19 Smith PW, Robinson CP, Zelenski JD, Endecott BR: The role of monamine oxidase inhibition in the acute toxicity of chlordimeform. ADA045507/1GI
- 77-20 Dille JR, Booze CF: The 1975 accident experience of civilian pilots with static physical defects. ADA045429/8GI
- 77-21 Smith RC, Hutto GL: Job attitudes of airway facilities personnel. ADA04641/3GI
- 77-22 Revzin AM: Functional localization in the nucleus rotundus. ADA047717/4GI

- 77-23 Melton CE, Smith RC, McKenzie JM, Wicks SM, Saldivar JT: Stress in air traffic personnel: Low-density towers and flight service stations. ADA046826/4GI
- 77-24 Collins WE, Hasbrook AH, Lennon A0, Gay DJ: Disorientation training in FAA-certificated flight and ground schools: a survey. ADA047718/2GI
- 77-25 Dailey JT, Pickrel EW: Development of new selection tests for air traffic controllers. ADA049049/0GI

## 1978

- 78-1 McFadden EB, (Ed.): Flotation and survival equipment studies. ADA051869/GGI
- 78-2 Revzin AM: Effects of ethanol on visual unit activity in the thalamus. ADA05092/4GI
- 78-3 Pollard DW, Garner JD, Blethrow JG, Lowrey DL: Passenger flow rates between compartments: Straight-segmented stairways, spiral stairways, and passageways with restricted vision and changes of attitude. ADA05148/1GI
- 78-4 deSteiguer D, Pinski MS, Bannister JR, McFadden EB: Aircrew and passenger protective breathing equipment studies. ADA05100/4GI
- 78-5 Higgins EA, Lategola MT, Melton CE: Three reports relevant to stress in aviation personnel. ADA051690/GGI
- 78-6 Chandler RF, Trout EM: Evaluation of seating and restraint systems and anthropomorphic dummies conducted during fiscal year 1976. ADA051691/4GI
- 78-7 Lewis MA: Use of the occupational knowledge test to assign extra credit in selection of air traffic controllers. ADA05367/5GI
- 78-8 Friedberg W, Neas BR, Faulkner DN, Hanneman GD, Darden EB Jr: Radiobiological aspects of high altitude flight: Relative biological effectiveness of fast neutrons in suppressing immune capacity to an infective agent. ADA05320/4GI
- 78-9 McFadden EB: Human respiratory considerations for civil transport aircraft system. ADA053223/4GI
- 78-10 Boone J0: The relationship of predevelopmental "150" training with noncompetitively selected air traffic control trainees to FAA Academy success. ADA055009/5GI
- 78-11 Thackray RI, Touchstone RM, Bailey JP: A comparison of the vigilance performance of men and women using a simulated radar task. ADA053674/8GI
- 78-12 Chandler RF, Trout EM: Child restraint systems for civil aircraft. ADA053565/8GI
- 78-13 Kirkham WR, Collins WE, Grape PM, Simpson JM, Wallace TF: Spatial disorientation in general aviation accidents. ADA053230/9GI
- 78-14 Young JW, Pinski MS: Three-dimensional anthropometry of the adult face. ADA054938/GGI
- 78-15 Mertens HW: Comparison of the visual perception of a runway model in pilots and nonpilots during simulated night landing approaches. ADA054450/2GI
- 78-16 Gerathewohl SJ: Psychophysiological effects of aging: Developing a functional age index for pilots: II. Taxonomy of psychological factors. ADA054356/1GI
- 78-17 Rasmussen PG, Welsh KW, Vaughan JA: Comparative readability of enroute low altitude charts with and without terrain depiction. ADA054796/8GI
- 78-18 Melton CE, McKenzie JM, Saldivar JT, Wicks SM: Experimental attempts to evoke a differential response to different stressors. ADA054795/0GI
- 78-19 Higgins EA, Chiles WD, McKenzie JM, Jennings AE, Funkhouser GE, Mullen SR: The effects of altitude and two decongestant-antihistamine preparations on physiological functions and performance. ADA054793/5GI
- 78-20 Lategola MT, Davis AW Jr, Lyne PJ, Burr MJ: Cardiorespiratory assessment of decongestant-antihistamine effects on altitude, +Gz, and fatigue tolerances. ADA055089/7GI
- 78-21 Booze CF: The morbidity experience of air traffic control personnel, 1967-1977. ADA056053/2GI
- 78-22 Welsh KW, Vaughan JA, Rasmussen PG: Aeromedical implications of the X-Chrom lens for improving color vision deficiencies. ADA054794/3GI
- 78-23 Garner JD, Chandler RF, Cook EA: GPSS computer simulation of aircraft passenger emergency evacuations. ADA056098/7GI
- 78-24 Chandler RF, Trout EM: Evaluation of seating and restraint systems and anthropomorphic dummies conducted during fiscal year 1977. ADA056905/3GI

*Part I: Chronological Index*

---

- 78-25 Dark SJ, Davis AW Jr: Characteristics of medically disqualified airman applicants in calendar years 1975 and 1976. ADA058158/7GI
- 78-26 Robinson CP, Beiergrohslain D, Smith PW, Crane CR: Reactions of methamidophos with mammalian cholinesterases. ADA058683/4GI
- 78-27 Gerathewohl SJ: Psychophysiological effects of aging: Developing a functional age index for pilots: III. Measurement of pilot performance. ADA062501/2GA
- 78-28 Welsh KW, Rasmussen PG, Vaughan JA: Visual performance assessment through clear and sunscreen-treated windows. ADA059750/0GA
- 78-29 Welsh KW, Vaughan JA, Rasmussen PG: Conspicuity assessment of selected propeller and tail rotor paint schemes. ADA061875/1GA
- 78-30 McKenzie JM: Assessment of factors possibly contributing to the susceptibility of sickle trait erythrocytes to mild hypoxia. ADA056200/9GI
- 78-31 Lacefield DJ, Roberts PA, Blossom CW: Agricultural aviation versus other general aviation: Toxicological findings in fatal accidents. ADA060110/4GA
- 78-32 Smith RC: As evaluation of four MTS recurrent training courses. ADA061519/5GA
- 78-33 Chiles WD, Jennings AE: Time-sharing ability in complex performance: An expanded replication. ADA061879/3GA
- 78-34 Chiles WD, Jennings AE, Alluisi EA: The measurement and scaling of workload in complex performance. ADA061725/8GA
- 78-35 Reighard HL, Dailey JT: Task force deterrence of air piracy-final report. ADA076457/1
- 78-36 Boone J0, Lewis MA: The development of the ATC selection battery: A new procedure to make maximum use of available information when correcting correlations for restriction in range due to selection. ADA066131/2GA
- 78-37 Jennings AE: A method to evaluate performance reliability of individual subjects in laboratory research applied to work settings. ADA063731/4GA
- 78-38 Eighth Bethesda Conference of the American College of Cardiology Washington D.C. April 25-26 1975: Cardiovascular problems associated with aviation safety. ADA066184/3GA
- 78-39 Rose RM, Jenkins CD, Hurst MW: Air traffic controller health change study. Boston University School of Medicine. ADA063709/0GA
- 78-40 Melton CE, McKenzie JM, Wicks SM, Saldivar JT: Stress in air traffic controllers: A restudy of 32 controllers 5 to 9 years later. ADA065767/6GA
- 78-41 Vaughan JA, Welsh KW, Rasmussen PG: The optical properties of smoke-protective devices. ADA064678/6GA

**1979**

- 79-1 Index to FAA Office of Aviation Medicine Reports: 1961 through 1978. ADA067983/7GA
- 79-2 Snow CC, Hartman S, Giles E, Young FA: Sex and race determination of crania by calipers and computer: A test of the Giles and Elliot discriminant functions in 52 forensic cases. ADA065448/36A
- 79-3 Lewis MA: A comparison of three models for determining test fairness. ADA066586/9GA
- 79-4 Lewis MF, Mertens HW: Pilot performance during simulated approaches and landings made with various computer-generated visual glidepath indicators. ADA066220/5GA
- 79-5 Tobias JV, Kidd GD Jr: Accoustic signals for emergency evacuation. ADA066113/2.A
- 79-6 Pollard DW: Injuries in air transport emergency evacuations. ADA069372/1GA
- 79-7 Collins WE, Chiles WD: Laboratory performance during acute intoxication and hangover. ADA069373/9GA
- 79-8 Lategola MT, Trent CC: A lower body negative pressure box for +Gz simulation in the upright seated position. ADA069326/7GA
- 79-9 Schroeder DJ, Collins WE: Effects of congener and noncongener alcoholic beverages on a clinical ataxia battery. ADA069375/4GA
- 79-10 Higgins EA, McKenzie JM, Funkhouser GE, Mullen SR: Effects of propranolol on time of useful function (TUF) in rats. ADA068535/4GA



- 79-11 Smith RC: A comparison of the job attitudes and interest patterns of air traffic and airway facility personnel. ADA067826/8GA
- 79-12 Thackray RI, Touchstone RM: Visual search performance during simulated radar observation with and without a swepline. ADA068020/7GA
- 79-13 McFadden EB, (Ed.): Oxygen equipment and rapid decompression studies. ADA070285/2GA
- 79-14 Boone JO, Lewis MA: The selection of air traffic control specialists: Two studies demonstrating methods to insure an accurate validity coefficient for selection devices. ADA068581/8GA
- 79-15 Revzin AM: Development of electrophysiological indices of neurological toxicity for organophosphate pesticides and depressant drugs. ADA070299/3GA
- 79-16 Tobias JV: Interstimulus interval as it affects temporary threshold shift in serial presentations of loud tones. ADA072006/0GA
- 79-17 Chandler RF, Trout EM: Evaluation of seating and restraint systems conducted during fiscal year 1978. ADA074881/4
- 79-18 Pickrel EW: Performance standards for pass-fail determinations in the national air traffic flight service station training program. ADA081066/3
- 79-19 Dille JR, Booze CF: The 1976 accident experience of civilian pilots with static physical defects. ADA07718919
- 79-20 Higgins EA, Lategola MT, McKenzie JM, Melton CE, Vaughan JA: Effects of ozone on exercising and sedentary adult men and women representative of the flight attendant population. ADA080045/8
- 79-21 Boone JO: Toward the development of a new selection battery for air traffic control specialists. ADA080065/6
- 79-22 Rasmussen PG, Garner JD, Blethrow JG, Lowrey DL: Readability of self-illuminated signs in a smoke-obscured environment. ADA081260/2
- 79-23 Pollard DW, Anderson JA, Melton RJ: A description of the Civil Aeromedical Institute airline cabin safety data bank: 1970-1976. ADA081155/4
- 79-24 Thackray RI, Touchstone RM: Effects of noise exposure on performance of a simulated radar task. ADA081065/5
- 79-25 Mertens HW: Runway image as a cue for judgment of approach angle. ADA080929/3
- 79-26 Collins WE: Performance effects of alcohol intoxication and hangover at ground level and at simulated altitude. ADA079439/6

## 1980

- 80-1 Thackray RI: Boredom and monotony as a consequence of automation: A consideration of the evidence relating boredom and monotony to stress. ADA085069/3
- 80-2 Friedberg W, Neas BR (Eds.): Cosmic radiation exposure during air travel. ADA084801/0
- 80-3 Kirkham WR, Simpson JM, Wallace TF, Grape PM: Aircraft crashworthiness studies: Findings in accidents involving an aerial application aircraft. ADA084619/6
- 80-4 Ryan LC, Mohler SR: The current role of alcohol as a factor in civil aircraft accidents. ADA086261/5
- 80-5 Boone JO, Steen JA, VanBuskirk LK: System performance, error rates, and training time for recent FAA Academy nonradar graduates, community persons, and handicapped persons on the radar training facility pilot position. ADA087661/5
- 80-6 Kirkham WR: Medical and toxicological factors in aircraft accidents. ADA087690/4
- 80-7 Collins WE, Boone JO, VanDeventer AD (Eds.): The selection of air traffic control specialists: I. History and review of contributions by the Civil Aeromedical Institute. ADA087655/7
- 80-8 Booze CF, Pidkowicz JK, Davis AW, Bolding FA: Postmortem coronary atherosclerosis findings in general aviation accident pilot fatalities: 1975-1977. ADA089428/7
- 80-9 Higgins EA, Lategola MT, Melton CE, Vaughan JA: Effects of ozone (0.30 parts per million, ~600 ug/m<sup>3</sup>) on sedentary men representative of airline passengers and cockpit crewmembers. ADA092268/2
- 80-10 McKenzie JM, Higgins EA, Funkhouser GE, Moses R, Fowler PR, Wicks SM: Changes in the oxygen-hemoglobin dissociation curve and time of useful function at hypobaric pressures in rats after chronic oral administration of propranolol. ADA089139/0
- 80-11 Dille JR, Linder MK: The effects of tobacco on aviation safety. ADA091510/8

*Part I: Chronological Index*

---

- 80-12 Chandler RF, Garner JD, Lowrey DL, Blethrow JG, Anderson JA: Considerations relative to the use of canes by blind travelers in air carrier aircraft cabins. ADA092528/9
- 80-13 Rasmussen PG, Chesterfield BP, Lowrey DL: Readability of self-illuminated signs obscured by black fuel-fire smoke. ADA092529/7
- 80-14 Smith RC: Stress, anxiety, and the air traffic control specialist: Some conclusions from a decade of research. ADA093266/5
- 80-15 Boone JO, Van Buskirk L, Steen JA: The Federal Aviation Administration's radar training facility and employee selection and training. ADA093027/1
- 80-16 Melton CE: Effects of long-term exposure to low levels of ozone: A review. ADA094426/4
- 80-17 Thackray RI, Touchstone RM: An exploratory investigation of various assessment instruments as correlates of complex visual monitoring performance. ADA097276/0
- 80-18 deSteiguer D, Saldivar JT: Evaluation of the protective efficiency of a new oxygen mask for aircraft passenger use to 40,000 feet. ADA097046/7
- 80-19 Dark SJ: Characteristics of medically disqualified airman applicants in calendar years 1977 and 1978. ADA098766/9
- 80-20 McKenzie JM: Vocational options for those with sickle cell trait: Questions about hypoxemia and the industrial environment. ADA098706/5

**1981**

- 81-1 Dille JR, Haraway A: Index to FAA Office of Aviation Medicine Reports: 1961 through 1980. ADA106227/2
- 81-2 Lategola MT, Lyne PJ, Burr MJ: Cardiorespiratory assessment of 24-hour crash-diet effects on altitude, +Gz, and fatigue tolerances. ADA106379/1
- 81-3 Federal Aviation Administration Contract DOT-FA-77WA-4076: Neurological and neurosurgical conditions associated with aviation safety. ADA098697/6
- 81-4 Simpson LP, Goulden DR: Aviation medicine translations: Annotated bibliography of recently translated material. X. ADA098916/0
- 81-5 Hutto GL, Smith RC, Thackray RI: Methodology in the assessment of stress among air traffic control specialists (ATCS): Normative adult data for the State-Trait Anxiety Inventory from non-ATCS populations. ADA103192/1
- 81-6 Mertens HW, Lewis MF: Effect of different runway size on pilot performance during simulated night landing approaches. ADA103190/5
- 81-7 Chesterfield BP, Rasmussen PG, Dillon RD: Emergency cabin lighting installations: An analysis of ceiling- vs. lower-cabin-mounted lighting during evacuation trials. ADA103191/3
- 81-8 Higgins EA, Mertens HM, McKenzie JW, Funkhouser GE: Physiological, biochemical, and performance responses to a 24-hour crash diet. ADA103143/4
- 81-9 Booze CF Jr: Prevalence of selected pathology among currently certified active airman. ADA103397/6
- 81-10 Kirkham WR: Improving the crashworthiness of general aviation aircraft by crash injury investigations. ADA103316/6
- 81-11 Hanneman GD: Factors related to the welfare of animals during transport by commercial aircraft. ADA106226/4
- 81-12 Thackray RI, Touchstone RM: Age-related differences in complex monitoring performance. ADA106225/6
- 81-13 Melton CE, McKenzie JM, Wicks SM, Saldivar JT: Fatigue in flight inspection field office (FIFO) flight crews. ADA106791/7
- 81-14 Dille JR, Booze CF Jr: The prevalence of visual deficiencies among 1979 general aviation accident airmen. ADA106489/8
- 81-15 Collins WE, Mastrullo AR, Kirkham WR, Taylor DK, Grape PM: An analysis of civil aviation propeller-to-person accidents: 1965-1979. ADA105365/1
- 81-16 Collins WE, Schroeder DJ, Elam GW: A comparison of some effects of three antimotion sickness drugs on nystagmic responses to angular accelerations and to optokinetic stimuli. ADA107947/4

**1982**

- 82-1 Thackray RI, Touchstone RM: Performance of air traffic control specialists (ATCS's) on a laboratory radar monitoring task: An exploratory study of complacency and a comparison of ATCS and non-ATCS performance ADA118239/3
- 82-2 Boone JO: A generic model for evaluation of the Federal Aviation Administration air traffic control specialist training programs. ADA106379/1
- 82-3 Lategola MT, Lyne PJ, Burr MJ: Alcohol-induced physiological displacements and their effects on flight-related functions. ADA115473/1
- 82-4 Lategola MT, Lyne PJ, Burr MJ: Effects of prior physical exertion on tolerance to hypoxia, orthostatic stress, and physical fatigue. ADA114741/2
- 82-5 Lategola MT, Flux M: Evaluation of cardiopulmonary factors critical to successful emergency perinatal air transport. ADA114743/8
- 82-6 Mertens HW, Lewis MF: Effects of approach lighting and variation in visible runway length on perception of approach angle in simulated night landings. ADA114742/0
- 82-7 Kirkham WR, Wicks SM, Lowrey DL: Crashworthiness studies: Cabin, seat, restraint, and injury findings in selected general aviation accidents. ADA114878/2
- 82-8 Pollard DW, Folk ED, Chandler RF: Flight attendant injuries: 1971-1976. ADA114909/5
- 82-9 Reynolds HM, Snow CC, Young JW: Spatial geometry of the human pelvis. ADA118238/5
- 82-10 Higgins EA, Mertens HW, McKenzie JM, Funkhouser GE, White MA, Milburn NJ: The effects of physical fatigue and altitude on physiological, biochemical, and performance responses. ADA122796/6
- 82-11 Rock DB, Dailey JT, Ozur H, Boone JO, Pickrel EW: Selection of applicants for the air traffic controller occupation. ADA122795/8
- 82-12 Friedberg W, Faulkner DN, Snyder L: Transport index limits for shipments of radioactive material in passenger-carrying aircraft. ADA122794/1
- 82-13 Kirkham WR, Wicks SM, Lowrey DL: G incapacitation in aerobatic pilots: A flight hazard. ADA123757/7
- 82-14 Norwood G, Jordan JL: Regulatory aviation medicine: Its philosophies and limitations. ADA124043/1
- 82-15 Lacefield DJ, Roberts PA, Grape PM: Carbon monoxide in-flight incapacitation: An occasional toxic problem in aviation. ADA123849/2
- 82-16 Thackray RI, Touchstone RM: Performance of 40- to 50-year-old subjects on a radar monitoring task: The effects of wearing bifocal glasses and interpolated rest periods on target detection time. ADA123843/5
- 82-17 Melton CE: Physiological stress in air traffic controllers: A review. ADA123853/4
- 82-18 Boone JO: Functional aging in pilots: An examination of a mathematical model based on medical data on general aviation pilots. ADA123756/9
- 82-19 Schroeder DJ, Collins WE, Elam GW: Effects of some motion sickness suppressants on tracking performance during angular accelerations. ADA123839/3

**1983**

- 83-1 Dille JR, Haraway A: Index to FAA Office of Aviation Medicine Reports: 1961 through 1982. ADA127463/8
- 83-2 McKenzie JM, Higgins EA, Fowler PR, Funkhouser GE, White MA, Moser E: Sensitivity of some tests for alcohol abuse: Findings in nonalcoholics recovering from intoxication. ADA126138/7
- 83-3 Coltman JW: Design and test criteria for increased energy-absorbing seat effectiveness. ADA1280125/5
- 83-4 Mertens HW, McKenzie JM, Higgins EA: Some effects of smoking withdrawal on complex performance and physiological responses. ADA126551/1
- 83-5 Dark SJ: Characteristics of medically disqualified airline pilots. ADA127429/9
- 83-6 VanDeventer AD, Taylor DK, Collins WE, Boone JO: Three studies of biographical factors associated with success in air traffic control specialist screening/training at the FAA Academy. ADA128784/6
- 83-7 Schroeder DJ, Deloney JR: Job attitudes toward the new maintenance concept of the Airway Facilities Service. ADA133282/4

- 83-8 Kirkham WR, Wicks SM, Lowrey DL: Crashworthiness: An illustrated commentary on occupant survival in general aviation accidents. ADA130198/5
- 83-9 Boone JO: Radar Training Facility initial validation. ADA133220/4
- 83-10 deSteiguer D, Saldivar JT: An analysis of potential breathing devices intended for use by aircraft passengers. ADA132648/7
- 83-11 Pickrel EW, Convey JJ: Color perception and ATC job performance. ADA132649/5
- 83-12 Crane CR, Sanders DC, Endecott BR, Abbott JK: Inhalation toxicology: III. Evaluation of thermal degradation products from aircraft and automobile engine oils, aircraft hydraulic fluid, and mineral oil. ADA133221/2
- 83-13 Thackray RI, Touchstone RM: Rate of initial recovery and subsequent radar monitoring performance following a simulated emergency involving startle. ADA133602/3
- 83-14 deSteiguer D, Saldivar JT, Higgins EA, Funkhouser GE: The objective evaluation of aircrew protective breathing equipment: V. Mask/goggles combinations for female crewmembers. ADA134912
- 83-15 Mertens HW, Higgins EA, McKenzie JM: Age, altitude, and workload effects on complex performance. ADA133594/2
- 83-16 Young JW, Chandler RF, Snow CC, Robinette KM, Zehner GF, Lofberg MS: Anthropometric and mass distribution characteristics of the adult female. ADA135316
- 83-17 Schroeder DJ, Goulden DR: A bibliography of shift work research: 1950-1982. ADA135644
- 83-18 Dille JR, Booze CF, Jr: The 1980 and 1981 accident experience of civil airmen with selected visual pathology. ADA134898

## **1984**

- 84-1 Pollard DW, Steen JA, Biron WJ, Cremer RL: Cabin safety subject index. ADA140409
- 84-2 Sells SB, Dailey JT, Pickrel EW: Selection of air traffic controllers. ADA147765
- 84-3 Booze CF Jr, Simcox LS: Blood pressure levels of active pilots compared with those of air traffic controllers. ADA146645
- 84-4 Lategola MT, Davis AW Jr, Gilcher RO, Lyne PJ, Burr MJ: Aviation-related cardiorespiratory effects of blood donation in female private pilots. ADA148045
- 84-5 Hanneman GD, Sershon JL: Tolerance endpoint for evaluating the effects of heat stress in dogs. ADA148104
- 84-6 VanDeventer AD, Collins WE, Manning CA, Taylor DK, Baxter NE: Studies of poststrike air traffic control specialist trainees: I. Age, biographic factors, and selection test performance related to Academy training success. ADA147892
- 84-7 Dille JR, Harris JL: Efforts to improve aviation medical examiner performance through continuing medical education and annual performance reports. ADA148078
- 84-8 Booze CF Jr: Health examination findings among active civil airmen. ADA148325
- 84-9 Dark SJ: Medically disqualified airline pilots. ADA149454

## **1985**

- 85-1 Pollard DW, Steen JA, Penland T: Federal Aviation Regulations Part 135 cabin safety subject index. ADA156946
- 85-2 Melton CE: Physiological responses to unvarying (steady) and 2-2-1 shifts: Miami International Flight Service Station. ADA155751
- 85-3 Mertens HW, Collins WE: The effects of age, sleep deprivation, and altitude on complex performance. ADA156987
- 85-4 Crane CR, Sanders DC, Endecott BR, Abbott JK: Inhalation toxicology: IV. Times to incapacitation and death for rats exposed continuously to atmospheric hydrogen chloride gas. ADA157400
- 85-5 Collins WE, Mertens HW, Higgins EA: Some effects of alcohol and simulated altitude on complex performance scores and Breathalyzer readings. ADA158925
- 85-6 Booze CF Jr, Staggs CM: A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities. ADA159811
- 85-7 Convey JJ: Passing scores for the FAA ATCS color vision test. ADA160889
- 85-8 Lacefield DJ, Roberts PA, Grape PM: Drugs of abuse in aviation fatalities: 1. Marijuana. ADA161911
- 85-9 Dark SJ: Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983. ADA162209

- 85-10 Higgins EA, Saldivar JT, Lyne PJ, Funkhouser GE: Evaluation of a passenger mask modified with a rebreather bag for protection from smoke and fumes. ADA162473
- 85-11 Rueschhoff BJ, Higgins EA, Burr MJ, Branson DM: Development and evaluation of a prototype life preserver. ADA163224
- 85-12 Russell JC, Davis AW: Alcohol rehabilitation of airline pilots. ADA163076
- 85-13 Thackray RI, Touchstone RM: The effect of visual taskload on critical flicker frequency (CFF) change during performance of a complex monitoring task. ADA163673

## 1986

- 86-1 Sanders DC, Crane CR, Endecott BR: Inhalation toxicology: V. Evaluation of relative toxicity to rats of thermal decomposition products from two aircraft seat fire-blocking materials. ADA165034
- 86-2 Melton CE, Bartanowicz RS: Biological rhythms and rotating shift work: Some considerations for air traffic controllers and managers. ADA168742
- 86-3 Crane CR, Sanders DC, Endecott BR, Abbott JK: Inhalation toxicology: VI. Evaluation of the relative toxicity of thermal decomposition products from nine aircraft panel materials, ADA168250
- 86-4 Thackray RI, Touchstone RM: Complex monitoring performance and the coronary-prone Type A behavior pattern. ADA168240
- 86-5 Crane CR, Sanders DC, Endecott BR, Abbott JK: Inhalation toxicology: VII. Times to incapacitation and death for rats exposed continuously to atmospheric acrolein vapor.
- 86-6 Convey JJ: The Flight Service Station Training Program: 1981-1985. ADA171485
- 86-7 Dark SJ: Medically disqualified airline pilots. ADA173244
- 86-8 Crane CR, Sanders DC: Inhalation toxicology: VIII. Establishing heat tolerance limits for rats and mice subjected to acute exposures at elevated air temperatures. ADA173031
- 86-9 Collins WE: Effects of sleep loss on vestibular responses during simple and complex vestibular stimulation. ADA173292

## 1987

- 87-1 Dille JR, Grimm MH: Index to FAA Office of Aviation Medicine Reports: 1961 through 1986. ADA180281
- 87-2 Higgins EA, Saldivar JT, Lyne PJ, Funkhouser GE: A study of passenger workload as related to protective breathing requirements. ADA181089
- 87-3 Hanneman GD, Sershon JL: Tolerance by unacclimated Beagle dogs to freezing and subfreezing temperatures. ADA181304
- 87-4 Schroeder DJ, Collins WE, Dollar CS: 1986 survey of aviation business operators: Their views of FAA airworthiness inspectors. ADA181369
- 87-5 Higgins EA: Summary report of the history and events pertinent to the Civil Aeromedical Institute's evaluation of providing smoke/fume protective breathing equipment for airline passenger use. ADA184499
- 87-6 Diehl AE, Lester LF: Private pilot judgment training in flight school settings. ADA188408
- 87-7 Booze CF Jr: Sudden in-flight incapacitation in general aviation. ADA187044
- 87-8 Hanneman GD, Sershon JL: A temperature/humidity tolerance index for transporting Beagle dogs in hot weather. ADA190948

## 1988

- 88-1 Thackray RI, Touchstone RM: An evaluation of the effects of high visual taskload on the separate behaviors involved in complex monitoring performance. ADA190641
- 88-2 Collins WE, Mertens HW: Age, alcohol, and simulated altitude: Effects on performance and breathalyzer scores. ADA190642
- 88-3 Manning CA, Kegg PS, Collins WE: Studies of poststrike air traffic control specialist trainees: II. Selection and Screening. ADA199177

- 88-4 Thackray RI: Performance recovery following startle: a laboratory approach to the study of behavioral response to sudden aircraft emergencies. ADA199827
- 88-5 Clough DL: Airway science curriculum demonstration project: Summary of initial evaluation findings. ADA201995

## 1989

- 89-1 Thackray RI, Touchstone RM: A comparison of detection efficiency on an air traffic control monitoring task with and without computer aiding. ADA206422
- 89-2 Booze CF Jr: Prevalence of disease among active civil airmen. ADA206050
- 89-3 Colangelo EJ, Russell JC: Injuries to seat occupants of light airplanes. ADA207579
- 89-4 Crane CR, Sanders DC, Endecott, BR: Inhalation toxicology: IX. Times-to-incapacitation for rats exposed to carbon monoxide alone, to hydrogen cyanide alone, to mixtures of carbon monoxide and hydrogen cyanide. ADA208195
- 89-5 Higgins EA, Vant JHB: Operation Workload - A study of passenger energy expenditure during an emergency evacuation. ADA209234
- 89-6 Manning CA, Della Rocco PS, Bryant KD: Prediction of success in FAA air traffic control field training as a function of selection and screening test performance. ADA209327
- 89-7 Collins WE, Schroeder DJ, Nye LG: Relationships of anxiety scores to Academy and field training performance of air traffic control specialists. ADA209326
- 89-8 Higgins EA, McLean GA, Lyne PJ, Funkhouser GE, Young JW: Performance evaluation of the Puritan-Bennett crew-member portable protective breathing device as prescribed by portions of FAA Action Notice A-8150.2. ADA210882
- 89-9 Shepherd WT, Parker JF Jr: Human factors issues in aircraft maintenance and inspection. ADA215 724
- 89-10 Schlegel TT, Higgins EA, McLean GA, Lyne PJ, England HM, Atocknie PA: Comparison of protective breathing equipment performance at ground level and 8,000 feet altitude using parameters prescribed by portions of FAA Action Notice A-8150.2. ADA212852
- 89-11 Higgins EA, McLean GA, Lyne PJ, Funkhouser GE, Young JW: Evaluation of the Scott Aviation portable protective breathing device for contaminant leakage as prescribed by FAA Action Notice A-8150.2. ADA216799
- 89-12 McLean GA, Higgins EA, Lyne PJ: The effects of wearing passenger protective breathing equipment on evacuation times through type III and type IV emergency aircraft exits in clear air and smoke. ADA216798
- 89-13 Melton CE: Airliner cabin ozone: an updated review. ADA233156.
- 89-14 Rasmussen PB, Chittum CG: The influence of adjacent seating configurations on egress through a type III emergency exit. ADA218393

## 1990

- 90-1 Collins WE, Wayda ME, Baxter NE: Index of FAA Office of Aviation Medicine Reports: 1961 through 1989. AD-221414
- 90-2 Myers JG: Management assessment: implications for development and training. ADA219178
- 90-3 Thackray RI, Touchstone RM: Effects of monitoring under high and low taskload on detection of flashing and colored radar targets. ADA220313
- 90-4 Collins WE, Nye LG, Manning CA: Studies of poststrike air traffic control specialist trainees: III. Changes in demographic characteristics of Academy entrants and biodemographic predictors of success in air traffic controller selection and Academy screening. ADA223480
- 90-5 Downey LE, Dark SJ: Medically disqualified airline pilots in calendar years 1987 and 1988. ADA224512
- 90-6 Manning CA, Schroeder DJ: Pilot views of Montgomery County, Texas automated FSS services. ADA227484
- 90-7 Hudson LS, Booze CF Jr Davis AW: Right bundle branch block as a risk factor for subsequent cardiac events. ADA226596
- 90-8 Schroeder DJ, Dollar CS, Nye LG: Correlates of two experimental tests with performance in the FAA Academy air traffic control nonradar screen program. ADA226419
- 90-9 Mertens HW: Evaluation of functional color vision requirements and current color vision screening tests for air traffic control specialists. ADA227436

- 90-10 Nakagawara VB: The use of contact lenses in the civil airman population. ADA227450
- 90-11 Gowdy V: Development of a crashworthy seat for commuter aircraft. ADA227486
- 90-12 Valdez CD: The FAA altitude chamber training flight profile: A survey of altitude reactions - 1965-1989. ADA230057
- 90-13 Della Rocco PS, Manning CA: Selection of air traffic controllers for automated systems: applications from current research. ADA230058
- 90-14 Parker JF Jr, Shepherd WT, Co-editors: Second Federal Aviation Administration meeting on human factors issues in aircraft maintenance and inspection: Information exchange and communications. ADA230270
- 90-15 Crane CR, Sanders DC, Endecott BR: Inhalation toxicology: X. Times to incapacitation for rats exposed continuously to carbon monoxide, acrolein, to carbon monoxide-acrolein mixtures. ADA230639
- 90-16 Sanders DC, Endecott BR: Inhalation toxicology: XI. The effect of elevated temperature on carbon monoxide toxicity. ADA231185

## 1991

- 91-1 Nakagawara VB: The effect of simulated altitude on the visual fields of glaucoma patients and the elderly. ADA233167
- 91-2 Hordinsky JR, George, MH: Utilization of emergency medical kits by air carriers. ADA234784
- 91-3 Hordinsky JR, George MH: Response capability during civil air carrier inflight medical emergencies. ADA235526
- 91-4 Broach D: Flight service specialist initial qualifications course: Content validation of FAA Academy course 50232. ADA237126
- 91-5 Myers JG, Stutzman TM: Job task-competency linkages for FAA first-level supervisors. ADA236695
- 91-6 Funkhouser GE, Fairlie GW: Donning times and flotation characteristics of infant life preservers: Four representative types. ADA237120
- 91-7 Turner JW, Huntley MS Jr: The use and design of flightcrew checklists and manuals. ADA237206
- 91-8 Nye LG, Collins WE: Some personality characteristics of air traffic control specialist trainees: Interactions of personality and aptitude test scores with FAA Academy success and career expectations. ADA238027
- 91-9 Wing H, Manning CA: Selection of air traffic controllers: Complexity, requirements, and public interest. ADA238267
- 91-10 Witt LA, Myers JG: Two studies on participation in decision-making and equity among FAA personnel. ADA239907
- 91-11 Witt LA, Broach D: Exchange ideology as a moderator of the procedural justice-satisfaction relationship. ADA239908
- 91-12 McLean GA, Wilcox B.C, Canfield DV: Selection criteria for alcohol detection methods. ADA240441
- 91-13 Turner JW, Huntley MS Jr: Civilian training in high-altitude flight physiology. ADA241296
- 91-14 Nakagawara VB, Loochan FK, Wood KJ: The prevalence of aphakia in the civil airman population. ADA214032
- 91-15 Witt LA, Hellman CM: Cross-level inferences of job satisfaction in the prediction of intent to leave. ADA242779
- 91-16 Shepherd WB, Johnson WB, Druray CG, Taylor JC, Berninger D: Human factors in aviation maintenance. Phase 1: Progress report. ADA243844
- 91-17 Sanders DC, Endecott BS, Chaturvedi AK: Inhalation toxicology: XII. Comparison of toxicity rankings of six polymers in lethality and by incapacitation in rats. ADA244599
- 91-18 Broach D: Air traffic control specialists in the Airway Science Curriculum Demonstration Project 1984-1990: Third summative evaluation. ADA244128

## 1992

- 92-1 Collins WE, Wayda ME: Index of FAA Office of Aviation Medicine Reports: 1961 through 1991. ADA245509
- 92-2 Friedberg W, Snyder L, Faulkner DN: Radiation exposure of air carrier crewmembers II. ADA245508
- 92-3 Thackray RI: Human factors evaluation of the work environment of operators engaged in the inspection and repair of aging aircraft. ADA246445
- 92-4 May ND: Exposures from headset interference tones. ADA247175
- 92-5 Manning CA, Aul JC: Evaluation of an alternative method for hiring air traffic control specialists with prior military experience. ADA246587

*Part I: Chronological Index*

---

- 92-6 Mertens HW, Thackray RI, Touchstone M: Effects of color vision deficiency on detection of color-highlighted targets in a simulated air traffic control display. ADA246586
- 92-7 Nye LG, Witt LA, Schroeder D: Confirmatory factor analysis of burnout dimensions: Correlations with job stressors and aspects of social support and job satisfaction ADA247699
- 92-8 Witt LA, Nye LG: Organizational goal congruence and job attitudes revisited. ADA247621
- 92-9 Witt LA, Nye LG: Gender, equity and job satisfaction. ADA246588
- 92-10 Nye LG, Witt LA: Dimensionality and construct validity of the Perceptions of Organizational Politics Scale (POPS). ADA247620
- 92-11 O'Donnell RD, Hordinsky JR, Madakasira S, Moise S, Warner D: A candidate automated test battery for neuropsychological screening of airmen: Design and preliminary validation. ADA247701
- 92-12 Revzin AM, Rasmussen PG: A new test of scanning and monitoring ability: Methods and initial results. ADA249123
- 92-13 Witt LA, Hellman C: Effects of subordinate feedback to the supervisor and participation in decision-making in the prediction of organizational support. ADA249125
- 92-14 Nakagawara VB, Loochan FK, Wood KJ: The prevalence of artificial lens implants in the civil airman population. ADA249125
- 92-15 Myers JG: Survey of aviation medical examiners: Information and attitudes about the pre-employment and pre-appointment drug testing program. ADA249124
- 92-16 Myers JG: A longitudinal examination of applicants to the air traffic supervisory identification and development program. ADA251879
- 92-17 Witt LA: Organizational politics, participation in decision-making, and job satisfaction. ADA251878
- 92-18 Wilcox BC, England HM Jr, McLean GA: Inward contaminant leakage tests of the S-Tron Corporation emergency escape breathing device. ADA251888
- 92-19 Teague SM, Hordinsky JR: Tolerance of beta blocked hypertensives during orthostatic and altitude stress. ADA249904
- 92-20 Gowdy V, DeWeese R: Evaluation of head impact kinematics for passengers seated behind interior walls. ADA252651
- 92-21 Witt LA: Procedural justice, occupational identification, and organizational commitment. ADA252493
- 92-22 England HM Jr, Wilcox BC Jr, McLean GA: Comparisons of molecular sieve oxygen concentrators for potential medical use aboard commercial aircraft. ADA253648
- 92-23 White VL, Canfield DV, Hordinsky JR: The identification and quantitation of triamterene in blood and urine from a fatal aircraft accident. ADA254550
- 92-24 Canfield DV, Kupiec TC, Huffine EF: Postmortem alcohol production in fatal aircraft accidents. ADA254680
- 92-25 Huffine EF, Canfield DV: Enhancement of drug detection and identification by use of various derivatizing reagents on GC-FTIR analysis. ADA254679
- 92-26 Manning CA, Broach D: Identifying ability requirements for operators of future automated air traffic control systems. ADA256615
- 92-27 McLean GA, Chittum CB, Funkhouser GE, Fairlie GW, Folk EW: Effects of seating configuration and number of type III exits on emergency aircraft evacuation. ADA255754
- 92-28 Mertens HW, Milburn NJ: Performance of color-dependent tasks of air traffic control specialists as a function of type and degree of color vision deficiency. ADA255794
- 92-29 Mertens HW, Milburn NJ: Validity of clinical color vision tests for air traffic control specialists. ADA258219
- 92-30 Della Rocco PS, Milburn N, Mertens H: Comparison of performance on the Shipley Institute of Living scale, air traffic control specialist selection test, and FAA Academy screen. ADA259249
- 92-31 OU Vortac, Edwards MB, Jones JP, Manning CA, Rotter AJ: En route air traffic controllers' use of flight progress strips: A graph-theoretic analysis. ADA259062



## 1993

- 93-1 Rodgers MD, Drechsler GK: Conversion of the CTA, Inc, en route operations concepts database into a formal sentence outline job task taxonomy. ADA261921
- 93-2 Collins WE: A review of civil aviation propeller-to-person accidents: 1980-1989. ADA260695
- 93-3 Antuñano MJ: Index of international publications in aerospace medicine. ADA262908
- 93-4 Schroeder DJ, Broach D, Young WC: Contribution of personality to the prediction of success in initial air traffic control specialist training. ADA264699
- 93-5 Galaxy Scientific Corporation: Human factors in aviation maintenance - Phase Two progress report. ADA264367
- 93-6 Wilcox B Jr, McLean G, England H Jr: Comparison of portable crewmember protective breathing equipment (CPBE) designs. ADA265362
- 93-7 Sanders DC, Endecott BR, Ritter RM, Chaturvedi AK: Variations of time-to-incapacitation and carboxyhemoglobin values in rats exposed to two carbon monoxide concentrations. ADA266109
- 93-8 Chaturvedi AK, Endecott BR, Ritter RM, Sanders DC: Variations in time-to-incapacitation and blood cyanide values for rats exposed to two hydrogen cyanide gas concentrations. ADA265924
- 93-9 Rodgers MD, Blanchard RE: Accident proneness: A research review. ADA266032
- 93-10 Young JW: Head and face anthropometry of adult US citizens. ADA268661
- 93-11 Nakagawara VB, Wood KJ: Aviation accident risk for airmen with aphakia and artificial lens implants. ADA268389
- 93-12 Rodgers MD: SATORI: Situation assessment through the re-creation of incidents. ADA268390
- 93-13 Gilliland K, Schlegel RE: Readiness to perform testing: A critical analysis of the concept and current practices. ADA269397
- 93-14 Armenia-Cope R, Marcus JH, Gowdy RV, DeWeese RL: An assessment of the potential for neck injury due to padding of aircraft interior walls for head impact protection. ADA270509
- 93-15 Galaxy Scientific Corp: Human factors in aviation maintenance - Phase three, volume 1 progress report. ADA270508
- 93-16 Milburn NJ, Mertens HW: Validation of an inexpensive test illuminant for aeromedical color vision screening. N94-14854
- 93-17 Mertens HW, Milburn NJ: Validity of FAA-approved color vision tests for Class II and Class III aeromedical screening. N94-14846
- 93-18 Hellman CW, Witt LA: Factors associated with continuance commitment to FAA matrix teams. ADA274561
- 93-19 McLean GA, Smith LT, Hill TJ, Rubenstien CJ: Physiological correlates of stress-induced decrements in human perceptual performance. ADA274240
- 93-20 Prinzo OV, Britton TW: ATC/pilot voice communications - A survey of the literature. ADA274457
- 93-21 Nakagawara VB, Wood KJ, Montgomery RW: Vision impairment and corrective considerations of civil airmen. ADA275508
- 93-22 Rodgers MD (ed.): An examination of the operational error database for air route traffic control centers. ADA275986

## 1994

- 94-1 Collins WE, Wayda ME: Index of FAA Office of Aviation Medicine Reports: 1961 through 1993. ADA275913
- 94-2 Witt AW: Perceptions of organizational support and affectivity as predictors of job satisfaction. ADA277047
- 94-3 OU Vortac, Edwards MB, Fuller DK, Manning CA: Automation and cognition in air traffic control: An empirical investigation. ADA277057
- 94-4 Broach D, Brecht-Clark J: Validation of the Federal Aviation Administration air traffic control specialist pre-training screen. ADA277549
- 94-5 Blanchard RE, Vardaman JJ: Human factors in airway facilities maintenance: Development of a prototype outage assessment inventory. N94-26136
- 94-6 Schroeder DJ, Touchstone RM, Stern JA, Stolarov N, Thackray R: Maintaining vigilance on a simulated ATC monitoring task across repeated sessions. ADA278792

- 94-7 Sanders DC, Chaturvedi AK, Endecott BR, Ritter RM, Vu N: Toxicity of carbon monoxide-hydrogen cyanide gas mixtures: Exposure concentration, time-to-incapacitation, carboxyhemoglobin, and blood cyanide parameters. N94-29919
- 94-8 Rasmussen P, Revzin A: Scanning and monitoring performance can be affected by the reinforcement values of the events being monitored. N94-29918
- 94-9 Broach D, Manning CA: Validity of the air traffic control specialist nonradar screen as a predictor of performance in radar-based air traffic control training. ADA279745
- 94-10 Garner RP, Wilcox BC, England HM, Nakagawara VB: Effects of cold exposure on wet aircraft passengers: A review. ADA280253
- 94-11 Marcus JE: A review of computer evacuation models and their data needs. ADA280707
- 94-12 Galaxy Scientific Corp: Human factors in aviation maintenance - Phase 3, Vol. 2 progress report. ADA283287
- 94-13 Nye LG, Schroeder DJ, Dollar CS: Relationships of Type A behavior with biographical characteristics and training performance of air traffic control specialists. ADA283813
- 94-14 Canfield DV, Flemig J, Hordinsky JR, Veronneau SJH: Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents. ADA284233
- 94-15 Nakagawara VB, Montgomery RW, Wood KJ: The applicability of commercial glare test devices in the aeromedical certification of pilot applicants. ADA284232
- 94-16 White VL, Canfield DV, Hordinsky JR: Elimination of quinine in two subjects after ingestion of tonic water: An exploratory study. ADA284760
- 94-17 Stern JA, Boyer D, Schroeder DJ: Blink rate as a measure of fatigue: A review. ADA284779
- 94-18 Endecott BR, Sanders DC, Chaturvedi AK: Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion gas atmospheres. ADA285666
- 94-19 Gowdy V: The performance of child restraint devices in transport airplane passenger seats. ADA285624
- 94-20 Hilton Systems, Inc: Age 60 rule research, Part I: Bibliographic database. N95-13019
- 94-21 Hyland DT, Kay EJ, Deimler JD, Gurman EB: Age 60 rule research, Part II: Airline pilot age and performance: A review of the scientific literature. ADA286246
- 94-22 Kay EJ, Harris RM, Voros RS, Hillman DJ, Hyland DT, Deimler JD: Age 60 rule research, Part III: Consolidated database experiments final report. ADA286247
- 94-23 Hyland DT, Kay EJ, Deimler JD: Age 60 rule research, Part IV: Experimental evaluation of pilot performance. N95-13199
- 94-24 Holloway FA: Low-dose alcohol effects on human behavior and performance: An update on post-1984 studies. N95-14863
- 94-25 Williams KW, Ed: Summary proceedings of the joint industry-FAA conference on development and use of PC-based aviation training devices. N95-14917
- 94-26 Stern JA, Boyer D, Schroeder DJ, Touchstone RM, Stoliarov N: Blinks, saccades, and fixation pauses during vigilance task performance. ADA290600
- 94-27 Endsley M, Rodgers MD: Situation awareness information requirements analysis for en route air traffic control. ADA289649

## 1995

- 95-1 Collins WE: A review of civil aviation fatal accidents in which "lost/disoriented" was a cause/factor. ADA290944
- 95-2 Parker JF Jr, Shepherd WT: Development of an intervention program to encourage shoulder harness use and aircraft retrofit in general aviation: Phases I and II. ADA290966
- 95-3 Harris HC, Schroeder DJ, Collins WE: The effects of age and low doses of alcohol on compensatory tracking during angular acceleration. N95-23934
- 95-4 Edwards MB, Fuller DK, OU Vortac, Manning CA: The role of flight progress strips in en route air traffic control: A time-series analysis. ADA291152
- 95-5 Besco RO, Sangal SP, Nesthus TE, Veronneau SJH: A longevity and survival analysis for a cohort of retired airline pilots. ADA292060

- 95-6 Williams KW, Blanchard RE: Qualification guidelines for personal computer-based aviation training devices: Instrument rating. ADA292961
- 95-7 Schroeder DJ, Harris HC, Collins WE, Nesthus TE: Some performance effects of age and low blood alcohol levels on a computerized neuropsychological test. ADA292324
- 95-8 Chaturvedi AK, Sanders DC: Aircraft fires, smoke toxicity, and survival: An overview. ADA292919
- 95-9 OU Vortac, Edwards MB, Manning CA: Functions of external cues in prospective memory. ADA291932
- 95-10 Myers JG: Enhancing the effects of diversity awareness training: A review of the research literature. ADA293933; N95-26361
- 95-11 Nakagawara VB, Montgomery RW, Wood KJ: An assessment of aviation accident risk for aphakic civil airmen by class of medical certificate held and by age. ADA293407
- 95-12 Cruz CE, Della Rocco PS: Sleep patterns in air traffic controllers working rapidly-rotating shifts: A field study. ADA294159; N95-26204
- 95-13 Mertens HW, Milburn NJ, Collins WE: Practical color vision tests for air traffic control applicants: En Route, Center, and Terminal facilities. ADA294560; N95-27323
- 95-14 Shepherd WT, Galaxy Scientific Corp: Human factors in aviation maintenance - Phase IV progress report. N95-27696
- 95-15 Prinzo OV, Hendrix A, Britton TW: Development of a coding form for approach control/pilot voice communications. N95-28540
- 95-16 Rodgers MD, Drechsler GK: Conversion of the TRACON operations concepts database into a formal sentence outline job task taxonomy. N95-28819
- 95-17 Garner RP: The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires. N95-29224
- 95-18 Rodgers M (Ed): A human factors evaluation of the operational demonstration flight inspection aircraft. N95-29365
- 95-19 Della Rocco PS, Cruz CE: Shift work, age and performance: Investigation of the 2-2-1 shift schedule used in air traffic control facilities I: The sleep/wake cycle. N95-29261
- 95-20 Funkhouser GE, George MH: Alternative methods for flotation seat cushion use. N95-29448
- 95-21 Hartel CEJ, Hartel GF: Controller resource management-What can we learn from aircrews? ADA297386
- 95-22 McLean GA, George MH, Chittum CB, Funkhouser GE: Aircraft evacuations through type-III exits I: Effects of seat placement at the exit. ADA297286
- 95-23 Boyer DJ: The relationship among eye movements, head movements, and manual responses in a simulated air traffic control task. ADA298753
- 95-24 O'Donnell R: The effect of alcohol and fatigue on an FAA readiness-to-perform test. ADA299076
- 95-25 McLean GA, George MH: Aircraft evacuations through type-III exits II: Effects of individual subject differences. ADA299237
- 95-26 Chaturvedi AK, Canfield DV: Role of metabolites in aviation forensic toxicology. ADA299212
- 95-27 Hunter DR: Airmen research questionnaire: Methodology and overall results. ADA300583
- 95-28 Canfield DV, Flemig JW, Hordinsky JR, Birky M: Drugs and alcohol found in fatal civil aviation accidents between 1989 and 1993. ADA302527
- 95-29 Mandella JG Jr, Garner RP: An economical alternative for the secondary container used for transporting infectious disease substances. ADA302648
- 95-30 DeWeese RL: An experimental abdominal pressure measurement device for child ATDs. ADA302651
- 95-31 Layton CF, Shepherd WT: Results of a field study of the performance enhancement system: A support system for aviation safety inspectors. ADA303336
- 95-32 Schroeder DJ, Rosa RR, Witt LA: Some effects of 8- vs. 10-hour work schedules on the test performance/alertness of air traffic control specialists. ADA302810

1996

- 96-1 Collins WE, Wayda ME: Index of FAA Office of Aviation Medicine Reports: 1961 through 1995. ADA3040263
- 96-2 Shepherd WT, Galaxy Scientific Corp: Human factors in aviation maintenance: Phase V progress report. ADA304262
- 96-3 Baker SP, Lamb MW, Li G, Dodd RS: Crashes of instructional flights: Analysis of cases and remedial approaches. ADA304890
- 96-4 Garner RP: Performance of a continuous flow passenger oxygen mask at an altitude of 40,000 ft. N96-22217
- 96-5 Albright CA, Truitt TR, Barile AB, OU Vortac, Manning CA: How controllers compensate for the lack of flight progress strips. ADA305305
- 96-6 Morrison JE, Fotouhi CH, Broach D: A formative evaluation of the collegiate training initiative-Air Traffic Control Specialist Program. ADA305307
- 96-7 Marcus J: Determination of effective thoracic mass. ADA306061
- 96-8 Williams KW: Qualification guidelines for personal computer-based aviation training devices: Instrument rating. ADA306206
- 96-9 Stern JA, Boyer D, Schroeder DJ, Touchstone RM, Stoliarov N: Blinks, saccades and fixation pauses during vigilance task performance: II. Gender and time of day. ADA307024
- 96-10 Kanki BG (Editor), Prinzo OV (Co-Editor): Methods and metrics of voice communications. ADA307148
- 96-11 Marcus JH: Dummy and injury criteria for aircraft crashworthiness. ADA308948
- 96-12 Nakagawara VB, Coffey JD, Montgomery RW: Ophthalmic requirements and considerations for the en route air traffic control specialist: An ergonomic analysis of the visual work environment. N96-25681
- 96-13 Young WC, Broach D, Farmer WL: Differential prediction of FAA Academy performance on the basis of gender and written Air Traffic Control Specialist aptitude test scores. ADA308354
- 96-14 Kupiec TC, Canfield DV, White VL: The analysis of benzodiazepines in forensic urine samples. ADA309377
- 96-15 Beringer DB: Use of off-the-shelf PC-based flight simulators for aviation human factors research. ADA309237
- 96-16 Beringer DB, Harris HC Jr: A comparison of the effects of navigational display formats and memory aids on pilot performance. ADA309382
- 96-17 Canfield D, White V, Soper J, Kupiec T: A comprehensive drug screening procedure for urine using HPLC, TLC, and mass spectroscopy. ADA309962
- 96-18 McLean GA, George MH, Funkhouser GE, Chittum CB: Aircraft evacuations onto escape slides and platforms I: Effects of passenger motivation. ADA311257
- 96-19 Kirkbride LA, Jensen RS, Chubb GP, Hunter DR: Developing the personal minimums tool for managing risk during preflight go/no-go decisions. ADA313639
- 96-20 Prinzo OV, Maclin O: Aviation topics speech acts taxonomy (ATSAT) pc user's guide version 2.0. ADA314179
- 96-21 Collins WE, Dollar CS: Fatal general aviation accidents involving spatial disorientation: 1976-1992. ADA313864
- 96-22 Mertens HW, Milburn NJ, Collins WE: A further validation of the practical color vision test for enroute air traffic control applicants. ADA314600
- 96-23 Della Rocco P, Cruz C: Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in air traffic control facilities II: Laboratory performance measures. ADA315493
- 96-24 Bailey L, Shaw R: Flight inspection crew resource management training needs analysis. ADA316691
- 96-25 Veronneau SJH, Mohler SR, Pennybaker AL, Wilcox BC, Sahiar F: Survival at high altitudes: Wheel-well passengers. ADA317375
- 96-26 Prinzo OV, Maclin O: An analysis of approach control/pilot voice communications. ADA317528
- 96-27 Nakagawara VB, Wood KJ: The use of task-specific lenses by presbyopic air traffic controllers at the en route radar console. ADA320284

## 1997

- 97-1 Collins WE, Wayda ME: Index of FAA Office of Aviation Medicine Reports: 1961 through 1996. ADA322331
- 97-2 DeJohn CA, Veronneau SJH, Hordinsky JR: Inflight medical care: An update. ADA322708
- 97-3 Driskill WE, Weissmuller JJ, Quebe J, Hand DK, Dittmar MJ, Hunter DR: The use of weather information in aeronautical decision-making. ADA323543
- 97-4 Young WC, Broach D, Farmer WL: The effects of video game experience on computer-based Air Traffic Control Specialist, air traffic scenario test scores. ADA322774
- 97-5 Gilliland K, Schlegel RE: A laboratory model of Readiness-to-Perform testing: Learning rates and reliability analyses for candidate testing measures. ADA323620
- 97-6 Kochan JA, Jensen RS, Chubb GP, Hunter DR: A new approach to aeronautical decision-making: The expertise method. ADA323793
- 97-7 Nesthus TE, Garner RP, Mills SH, Wise RA: Effects of simulated general aviation altitude hypoxia on smokers and non-smokers. ADA323899
- 97-8 Thompson RC, Hilton TF, Witt LA: Where the safety rubber meets the shop floor: A confirmatory model of management influence on workplace safety. ADA324677
- 97-9 Nesthus TE, Rush LL, Wreggit SS: Effects of mild hypoxia on pilot performance at general aviation altitudes. ADA324719
- 97-10 Milburn NJ, Mertens HW: Evaluation of a range of target blink amplitudes for attention-getting value in a simulated air traffic control display. ADA326465
- 97-11 Taylor HL, Lintern G, Hulin CL, Talleur D, Emanuel T, Phillips S: Transfer of training effectiveness of personal computer-based aviation training devices. ADA325887
- 97-12 Thompson RC, Hilton TF, Behn LD: Baseline assessment of the National Association of Air Traffic Specialists/Federal Aviation Administration partnership. ADA326753
- 97-13 Endsley MR, Rodgers MD: Distribution of attention, situation awareness, and workload in a passive air traffic control task: Implications for operational errors and automation. ADA328997
- 97-14 Kupiec TC, Chaturvedi AK: Stereochemical determination of selegiline metabolites in postmortem biological specimens. ADA329026
- 97-15 Broach D, Manning CA: Review of air traffic controller selection: An international perspective. ADA328993
- 97-16 Hunter DR: An evaluation of safety seminars. ADA329009
- 97-17 Schroeder DJ, Dollar CS: Personality characteristics of pre/post-strike air traffic control applicants. ADA328998
- 97-18 Marcus JH: A flexible cabin simulator. ADA328996
- 97-19 Broach D: Designing selection tests for the future National Airspace System architecture. ADA329231
- 97-20 Court MC, Marcus JH: Use of object-oriented programming to simulate human behavior in emergency evacuation of an aircraft's passenger cabin. ADA329462
- 97-21 Salazar GJ, DeJohn CA, Hansrote RW, Key OR: Bloodborne pathogens in aircraft accident investigation. ADA340366
- 97-22 Gronlund SD, Dougherty MRP, Ohrt DD, Thomson GL, Bleckley MK, Bain DL, Arnell F, Manning CA: The role of memory in air traffic control. ADA340263
- 97-23 Driskill WE, Weissmuller JJ, Hand DK, Hunter DR: The use of weather information in aeronautical decision-making: II. ADA340406
- 97-24 Beringer DB, Harris HC Jr: Automation in general aviation: Two studies of pilot responses to autopilot malfunctions. ADA340243
- 97-25 Gilliland K, Schlegel RE, Nesthus TE: Workshift and antihistamine effects on task performance. ADA340510

## 1998

- 98-1 Collins WE, Wayda ME: Index of FAA Office of Aviation Medicine Reports: 1961 through 1997. ADA339254
- 98-2 McLean GA, Chittum CB: Performance demonstrations of zinc sulfide and strontium aluminate photoluminescent floor proximity escape path marking systems. ADA339339

*Part I: Chronological Index*

---

- 98-3 McLean GA, Palmerton DA, Chittum CB, George M. H, Funkhouser GE. Inflatable escape slide beam and girt strength tests: Support for revision of Technical Standard Order C-69b. ADA339410
- 98-4 Wolf MB, Garner RP: Effect of an airplane cabin water spray system on human thermal behavior: A theoretical study using a 25-node model of thermoregulation. ADA339365
- 98-5 Canfield DV, Smith MD, Adams HJ, Houston ER: Selection of an internal standard for postmortem ethanol analysis. ADA339340
- 98-6 Jensen RS, Guilkey JE, Hunter DR: An evaluation of pilot acceptance of the personal minimums training program for risk management. ADA340338
- 98-7 Driskill WE, Weissmuller JJ, Quebe J, Hand DK.; and Hunter DR: Evaluating the decision-making skills of general aviation pilots. ADA341118
- 98-8 Thompson RC, Agen RA, Broach DM: Differential training needs and abilities at air traffic control towers: Should all controllers be trained equally? ADA340829
- 98-9 Wreggit SS, Marsh DK II Cockpit integration of GPS: Initial assessment-menu formats and procedures. ADA341122
- 98-10 Sanders DC, Chaturvedi AK, Hordinsky JR, Aeromedical aspects of melatonin-An overview. ADA341726
- 98-11 Gowdy RV, DeWeese R: Evaluation of improved restraint systems for parachutists. ADA342643
- 98-12 Williams KW: GPS Design considerations: Displaying nearest airport information. ADA346043
- 98-13 Shehab RL, Schlegel RE, Palmerton DA: A human factors perspective on human external loads. ADA350729
- 98-14 Rodgers MD, Mogford RH, Mogford LS: The relationship of sector characteristics to operational errors. ADA350717
- 98-15 Mills SH: The combination of flight count and control time as a new metric of air traffic control activity. ADA350504
- 98-16 Gronlund SD, Ohrt DD, Dougherty MRP, Perry JL, Manning CA: Aircraft importance and its potential relevance to situation awareness. ADA350417
- 98-17 Prinzo OV: An analysis of voice communication in a simulated approach control environment. ADA350523
- 98-18 Chaturvedi AK, Vu NT, Ritter RM, Canfield DV: DNA profiling as an adjunct quality control/quality assurance in forensic toxicology. ADA379287
- 98-19 Cospser DK, McLean GA: Analysis of ditching and water survival training programs of major airframe manufacturers and airlines. PB99146839XSP
- 98-20 Prinzo OV, Lieberman P, Pickett E: An acoustic analysis of ATC communication. ADA353962
- 98-21 Canfield DV, Smith MD, Ritter RM, Chaturvedi AK: Preparation of carboxyhemoglobin standards and calculation of spectrophotometric quantitation constants. ADA379272
- 98-22 Broach D: Summative evaluation of the collegiate training initiative for air traffic control specialists program: Progress of Minnesota Air Traffic Control Training Center graduates in en route field training. ADA355085
- 98-23 Broach D (Editor): Recovery of the FAA Air Traffic Control specialist workforce, 1981-1992. ADA355135
- 98-24 Thompson RC, Bailey LL, Farmer WL: Predictors of perceived empowerment: An initial assessment. ADA355185
- 98-25 Nakagawara VB, Wood KJ: The aeromedical certification of photorefractive keratectomy in civil aviation: A reference guide. ADA382812
- 98-26 Durso FT, Truitt TR, Hackworth CA, Albright CA, Bleckley MK, Manning CA: Reduced flight progress strips in en route ATC mixed environments. ADA382818
- 98-27 Garner RP, Murphy RE, Hudgins CB, Mandella JG Jr: Performance of a portable oxygen breathing system at 25,000 feet altitude. ADA357729
- 98-28 Wickens CD, Ververs PM: Allocation of attention with head-up displays. ADA359344

**1999**

- 99-1 Collins WE, Wayda ME: Index of FAA Office of Aviation Medicine Reports: 1961 through 1998. ADA360592
- 99-2 Della Rocco PS, (Editor): The role of shift work and fatigue in air traffic control operational errors and incidents. ADA360730
- 99-3 Durso FT, Hackworth CA, Truitt TR, Crutchfield J, Nikolic D, Manning CA: Situation awareness as a predictor of performance in en route air traffic controllers. ADA360807

- 99-4 Garner RP: Concepts providing for physiological protection after aircraft cabin decompression in the altitude range of 60,000 to 80,000 feet above sea level. ADA360727
- 99-5 Gowdy V, George M, McLean GA: comparison of buckle release timing for push-button and lift-latch belt buckles. ADA360725
- 99-6 Nakagawara VB, Wood KJ, Montgomery RW: Refractive surgery in the civil airman population by class of medical certificate and by aviation occupation. ADA361329
- 99-7 Rakovan L, Wiggins MW, Jensen RS, Hunter DR: A survey of pilots on the dissemination of safety information. ADA361233
- 99-8 Milburn NJ, Mertens HW: Optimizing blink parameters for highlighting an air traffic control situation display. ADA316258
- 99-9 Joseph K, Jahns D, Nendick M, St. George R: A usability survey of GPS avionics equipment: Some preliminary findings. ADA362193
- 99-10 McLean GA, George MH, Funkhouser GE, Chittum CB: Aircraft evacuations onto escape slides and platforms II: Effects of exit size. ADA362480
- 99-11 Chaturvedi AK: First seven years (1991-1998) of the FAA's postmortem forensic toxicology proficiency testing program. ADA362556
- 99-12 Pounds J, Bailey LL: Cognitive style and learning: Performance of Adaptors and Innovators in a novel dynamic task. ADA363458
- 99-13 Williams KW: GPS user-interface design problems. ADA363331
- 99-14 Vu NT, Chaturvedi AK, Canfield DV: Urinary genotyping for DQA1 and PM loci using PCR-based amplification: Effects of sample volume, storage temperature, preservatives, and aging on DNA extraction and typing. ADA363461
- 99-15 Lewis RJ, Huffine EF, Chaturvedi AK, Canfield DV, Mattson J: Formation of an interfering substance, 3,4-dimethyl-5-phenyl-1,3-oxazolidine, during a pseudoephedrine urinalysis. ADA363777
- 99-16 Broach D, Farmer WL, Young WC: Differential prediction of FAA Academy performance on the basis of race and written Air Traffic Control Specialist aptitude test scores. ADA363587
- 99-17 Joseph KM, Thompson RC, Bailey LL, Williams CA, Worley JA, Schroeder DJ: The influence of ergonomics interventions on employee stress and physical symptoms. ADA364891
- 99-18 Heil MC: An investigation of the relationship between chronological age and job performance for incumbent Air Traffic Control Specialists. ADA364893
- 99-19 Behn LD, Thompson RC, Hilton TF: Follow-up assessment of the Federal Aviation Administration's Logistics Center safety climate. ADA365569
- 99-20 Gilliland K, Schlegel RE, Nesthus TE: Effects of antihistamine, age, and gender on task performance. ADA366860
- 99-21 Morrow DG, Prinzo OV: Improving pilot/ATC voice communication in General Aviation. ADA367894
- 99-22 Milke RM, Becker JT, Lambrou P, Harris HC, Schroeder DJ: The effects of age and practice on aviation-relevant concurrent task performance. ADA367887
- 99-23 Heil MC: The relationship between ATCS age and cognitive test performance. ADA368670
- 99-24 Bailey LL, Broach DM, Thompson, RC, Enos RJ: Controller Teamwork Evaluation and Assessment Methodology: A Scenario Calibration Study. ADA370417
- 99-25 Worley JA, Bailey LL, Thompson RC, Joseph KM, Williams CA: Organizational communication and trust in the context of technology change. ADA370769
- 99-26 Williams KW: GPS user-interface design problems: II. ADA363331
- 99-27 Thompson RC, Bailey LL, Joseph KM, Worley JA, Williams CA: Organizational change: Effects of fairness perceptions on cynicism. ADA371588
- 99-28 Sirevaag EJ, Rohrbaugh JW, Stern JA, Vedeniapiin AB, Packerham KD, LaJonchere CM: Multi-dimensional characterizations of operator state: A validation of oculomotor metrics.
- 99-29 Soper JW, Chaturvedi AK, Canfield DV: Prevalence of chlorpheniramine in aviation accident pilot fatalities, 1991-1996. ADA372538
- 99-30 Hynes MK: Frequency and costs of transport airplane precautionary emergency evacuations. ADA372580

2000

- 00-1 Collins WE, Wayda ME: Index to FAA Office of Aviation Medicine Reports: 1961 through 1999. ADA373794
- 00-2 Manning CA (Editor): Measuring Air Traffic Controller Performance in a High-Fidelity Simulation. ADA373813
- 00-3 Hilton TF, Hart IS, Farmer WL, Thompson JJ, Behn LD: The FAA Health Awareness Program: Results of the 1998 customer service assessment survey. ADA373761
- 00-4 Joseph KM, Jahns DW: Enhancing GPS receiver certification by examining pilot-performance databases. PB2001102907
- 00-5 Truitt TR, Durso FT, Crutchfield JM, Moertl P, Manning CA: Reduced posting and marking of flight progress strips for en route air traffic control. PB2001102908
- 00-6 Garner RP, Murphy RE, Donnelly SS, Thompson KE, Geiwitz KL: Testing the structural integrity of the Air Force's Emergency Passenger Oxygen System at altitude. PB2001102909
- 00-7 Shappell SA, Weigmann DA: The Human Factors Analysis and Classification System-HFACS. PB2001102910
- 00-8 Williams KW: Comparing text and graphics in navigation display design. ADA375445
- 00-9 Chaturvedi AK, Smith DR, Canfield DV: Blood carbon monoxide and cyanide concentrations in the fatalities of fire and non-fire associated civil aviation accidents. PB2001102911
- 00-10 Della Rocco PS, Comperatore C, Caldwell L, Cruz CE: The effects of napping on night shift performance. PB2001102912
- 00-11 Hynes MK: Evacuee injuries and demographics in transport airplane precautionary emergency evacuations. PB2001102913
- 00-12 Heil MC, Agnew BO: The effects of previous computer experience on Air Traffic-Selection and Training (AT-SAT) test performance. ADA377228
- 00-13 DeJohn CA, Veronneau SJH, Wolbrink AM, Larcher JG: The evaluation of in-flight medical care aboard selected U.S. air carriers: 1996 to 1997. ADA377878
- 00-14 Thompson RC, Joseph KM, Bailey LL, Worley JA, Williams CA: Organizational change: An assessment of trust and cynicism. PB2001102914
- 00-15 Russell CJ, Dean MA, Broach DM: Guidelines for bootstrapping validity coefficients in ATCS selection research. ADA379430
- 00-16 Vu NT, Chaturvedi AK, Canfield DV, Soper JW, Kupfer DM, Roe BA: DNA-based detection of ethanol-producing microorganisms in postmortem blood and tissues by polymerase chain reaction. ADA379226
- 00-17 Thompson RC, Bailey LL: Age and attitudes in the air traffic control specialist workforce: An initial investigation. ADA379286
- 00-18 Nakagawara VB, Veronneau SJH: A unique contact lens-related airline aircraft accident. ADA379287
- 00-19 Nakagawara VB, Wood KJ, Montgomery RW: Refractive surgery in aircrew members who fly for scheduled and non-scheduled civilian airlines. PB2001102915
- 00-20 Lewis RJ, Johnson RD, Blank CL: A novel method for the determination of sildenafil (Viagra®) and its metabolite in postmortem specimens using LC/MS/MS and LC/MS/MS. PB2001102916
- 00-21 Canfield DV, Hordinsky J, Millett DP, Endecott B, Smith D: Prevalence of drugs and alcohol in fatal civil aviation accidents between 1994 and 1998. ADA379272
- 00-22 Canfield DV, Chaturvedi AK, Boren HK, Veronneau SJH, White VL: Abnormal glucose levels found in transportation accidents. PB2001102917
- 00-23 Nakagawara VB, Montgomery RW: Gender differences in a refractive surgery population of civilian aviators. PB2001102918
- 00-24 Pfeleiderer EM: Multidimensional scaling analysis of controllers' perceptions of aircraft performance characteristics. ADA382823
- 00-25 Bailey L, Thompson R: The effects of performance feedback on air traffic control team coordination: A simulation study. ADA382812
- 00-26 Schvaneveldt R, Beringer DB, Lamonica J, Tucker R, Nance C: Priorities, organization, and sources of information accessed by pilots in various phases of flight. ADA382818



- 00-27 Naff KC, Thompson RC: The impact of teams on the climate for diversity in government: The FAA experience. ADA382809
- 00-28 Bailey LL, Peterson LM, Williams KW, Thompson RC: Controlled flight into terrain: A study of pilot perspectives in Alaska. ADA382989
- 00-29 Lewis RJ, Southern TL, Cardona PS, Canfield DV, Garber M: Distribution of butalbital in biological fluids and tissues. PB2001102919
- 00-30 Mills, SH: The computerized analysis of ATC tracking data for an operational evaluation of CDTI/ADS-B technology. ADA385812
- 00-31 Williams K: Impact of aviation highway-in-the-sky displays on pilot situation awareness. ADA384535
- 00-32 Fiedler ER, Della Rocco PS, Schroeder DJ, Nguyen K: The relationship between aviators' home-based stress to work stress and self-perceived performance. ADA384889
- 00-33 Nicholas J, Copeland K, Duke F, Friedberg W, O'Brien K: Galactic cosmic radiation exposure of pregnant aircrew members II. ADA385597
- 00-34 Chaturvedi AK, Smith DR, Canfield DV: A fatality caused by hydrogen sulfide produced from an accidental transfer of sodium hydrosulfide into a tank containing iron sulfate and sulfuric acid. ADA385303

**2001**

- 01-1 Collins WE, Wayda ME: Index to FAA Office of Aviation Medicine Reports: 1961 Through 2000. ADA389987
- 01-2 McLean GA: Access to egress: A meta-analysis of the factors that control emergency evacuation through the transport airplane Type-III overwing exit. PB2001104655
- 01-3 Wiegmann DA, Shappell SA: A human error analysis of commercial aviation accidents using the Human Factors Analysis and Classification System (HFACS). ADA 387808
- 01-4 Farmer WL, Thompson RC, Heil SKR, Heil MC: Latent trait theory analysis of changes in item response anchors. ADA388056
- 01-5 Ramos RA, Heil MC, Manning CA: Documentation of validity for the ATSAT computerized test battery, Volume I. ADA389852
- 01-6 Ramos RA, Heil MC, Manning CA: Documentation of validity for the ATSAT computerized test battery, Volume II. ADA389898
- 01-7 Nakagawara VB, Montgomery RW: Laser pointers: Their potential affects on vision and aviation safety. ADA392899
- 01-8 Prinzo OV: Datalinked pilot reply time on controller workload and communication in a simulated terminal option. ADA391932
- 01-9 Prinzo OV: Innovations in pilot visual acquisition of traffic: New phraseology for Air Traffic Control operational communication.
- 01-10 Manning CA, Mills SH, Fox CM, Pfeiderer EM, Mogilka H: Investigating the validity of performance and objective workload evaluation research (POWER). ADA392932
- 01-11 Fiedler ER, Orme DR, Mills W, Patterson JC: Assessment of head-injured aircrew: Comparison of FAA and USAF procedures. ADA392805
- 01-12 White VL, Chaturvedi AK, Canfield DV, Garber M: Association of postmortem blood hemoglobin Alc levels with diabetic conditions in aviation accident pilot fatalities. ADA392942
- 01-13 Williams KW: Qualification guidelines for personal computerbased aviation training devices: Private pilot certificate. ADA396322
- 01-14 Nakagawara VB, Montgomery RW, Wood KJ: Aviation accidents and incidents associated with the use of ophthalmic devices by civilian pilots. ADA396122
- 01-15 Antuñano MJ, Wade K: Index of International Publications in Aerospace Medicine. ADA262908
- 01-16 Gronlund SD, Dougherty MRP, Durso FT, Canning JM, Mills SH: Planning in air traffic control. PB2002103420
- 01-17 Mejdal S, McCauley ME: Human factors design guidelines for multifunction displays. ADA399354
- 01-18 Corbett CL: Caring for precious cargo, Part I: Emergency aircraft evacuations with infants onto inflatable escape slides. ADA398987

- 01-19 Peterson LM, Bailey LL: Controller-to-controller communication and coordination taxonomy. PB2002103423  
01-20 Bailey LL, Willems BF, Peterson LM: The effects of workload and decision support automation on enroute R-side and D-side communication exchanges. ADA399353

## 2002

- 02-1 Gronlund SD, Canning JM, Moertl PM, Johansson J, Dougherty MRP, Mills SH: An information tool for planning in air traffic control. ADA399806  
02-2 Mills SH, Pfeleiderer EM, Manning CA: POWER: Objective activity and taskload assessment in en route air traffic control. ADA401922  
02-3 Uhlarik J, Comerford DA: A review of situation awareness literature relevant to pilot surveillance functions. ADA401774  
02-4 Manning CA, Mills SH, Fox C, Pfeleiderer E, Mogilka HJ: Using air traffic control taskload measures and communication events to predict subjective workload. ADA401923  
02-5 Prinzo OV: Automatic dependent surveillance/broadcast-cockpit display of traffic information: Innovations in pilot-managed departures. PB2002107795  
02-6 Nakagawara VB, Wood KJ, Montgomery RW: Contact lens use in the civil airman population. ADA404962  
02-7 Beringer DB: Applying performance-controlled systems, fuzzy logic, and fly-by-wire controls to general aviation. ADA405731  
02-8 Cruz C, Detwiler C, Nesthus T, Boquet A: A laboratory comparison of clockwise and counter-clockwise rapidly rotating shift schedules, Part I: Sleep. ADA402842  
02-9 Broach D, Dollar C: Relationship of employee attitudes and supervisor-controller ration to en route operational error rates. ADA405141  
02-10 Nakagawara VB, Montgomery RW, Wood KJ: The aviation accident experience of civilian airmen with refractive surgery. ADA428733  
02-11 DeWeese R, Gowdy RV: Human factors associated with the certification of airplane seats: Seat belt adjustment and release. ADA404285  
02-12 Pounds J, Isaac A: Development of an FAA-EUROCONTROL technique for the analysis of human error in ATM. ADA405379  
02-13 Cruz C, Boquet A, Detwiler C, Nesthus T: A laboratory comparison of clockwise and counter-clockwise rapidly rotating shift schedules, Part II: Performance. ADA405385  
02-14 Chaturvedi AK, Smith DR, Soper JW, Canfield DV: Characteristics and toxicological processing of postmortem pilot specimens from fatal civil aviation accidents. ADA405378  
02-15 Lewis RJ, Johnson RD, Canfield DV: An accurate method for the determination of carbon monoxide in postmortem blood using GC/TCD. ADA408214  
02-16 McLean GA, Corbett CL, Larcher KG, McDown JR, Palmerton DA, Porter KA, Shaftstall RM, Odom RS: Access-to-Egress: Interactive effects of factors that control the emergency evacuation of naïve passengers through the transport airplane Type-III overwing exit. ADA408009  
02-17 Hunter D: Risk perception and risk tolerance in aircraft pilots. ADA40799  
02-18 Bailey LL, Willems BF: The moderator effects of taskload on the interplay between en route intra-sector team communications, situation awareness, and mental workload. ADA408021  
02-19 Roy KM, Beringer DB: General aviation pilot performance following unannounced in-flight loss of vacuum system and associated instruments in simulated instrument meteorological conditions. ADA408027  
02-20 Boquet A, Cruz C, Nesthus TE, Detwiler C, Knecht W, Holcomb K: A laboratory comparison of clockwise and counter-clockwise rapidly rotating shift schedule, Part III: Effects on core body temperatures and neuroendocrine measures. ADA409994  
02-21 Williams KW, Yost A, Holland J, Tyler RR: Assessment of advanced cockpit displays for GA aircraft: The Capstone Program. ADA409997  
02-22 Moertl PM, Canning JM, Gronlund SD, Dougherty MRP, Johansson J, Mills SH: Aiding planning in air traffic control: An experimental investigation of the effects of perceptual information integration. ADA409992

- 02-23 Goldman SM, Fiedler ER, King RE: General aviation maintenance-related accidents: A review of 10 years of NTSB data. ADA409385
- 02-24 Heil MC, Detwiler CA, Agen RA, Williams CA, Agnew BO, King RE: The effects of practice and coaching on the Air Traffic Selection and Training Battery. ADA409734

**2003**

- 03-1 Collins WE, Wayda ME: Index of FAA Office of Aerospace Medicine Reports: 1961 through 2002. ADA410971
- 03-2 Joseph KM, Domino D, Battisie V, Bone RS, Olmos BO: A summary of flightdeck observer data from SafeFlight 21 OpEval-2. ADA413898
- 03-3 Taylor HL, Talleur DA, Bradshaw GL, Eanuel TW Jr., Rantanen E, Hulin CL, Lendrum L: Effectiveness of personal computers to meet recency of experience requirements. ADA413334
- 03-4 Shappell SA Wiegmann DA: A human error analysis of general aviation controlled flight into terrain accidents occurring between 1990-1998. ADA417230
- 03-5 Uhlarik J, Comerford DA: Information requirements for traffic awareness in a free-flight environment: An application of the FAIT Analysis. ADA413832
- 03-6 Nakagawara VB, Wood KJ, Montgomery RW: Natural sunlight and its association to aviation accidents: Frequency and prevention. ADA417208
- 03-7 Akin A, Chaturvedi AK: Prevalence of selective serotonin reuptake inhibitors in pilot fatalities of civil aviation accidents, 1990-2001. ADA423836
- 03-8 Pfeleiderer EM: Development of an empirically based index of aircraft mix. ADA417231
- 03-9 Gowdy V, DeWeese R: Human factors associated with the certification of airplane passenger seats: Life preserver retrieval. ADA417209
- 03-10 Hackworth CA, Peterson LM, Jack DG, Williams CA, Hodges BE: Examining hypoxia: A survey of pilots' experiences and perspectives on altitude training. ADA417131
- 03-11 Hackworth CA, King SJ, Detwiler CA: The employee attitude survey 2000: Perspectives on its process and utility. ADA417166
- 03-12 Nakagawara VB, Montgomery RW, Dillard A, McLin L, Connor CW: Effects of laser illumination on operational and visual performance of pilots conducting terminal operations. ADA423865
- 03-13 Prinzo OV, Hendrix AM: Automatic dependent surveillance-broadcast/cockpit display of traffic information: Pilot use of the approach spacing application. ADA423864
- 03-14 Dollar C, Broach D, Schroeder D: Personality characteristics of air traffic control specialists as predictors of disability retirement. ADA424266
- 03-15 Corbett CL, McLean GA, Whinnery JE: Access-to-Egress II: Subject management and injuries in a study of emergency evacuation through the Type-III exit. ADA423728
- 03-16 Friedberg W, Copeland K: What aircrews should know about their occupational exposure to ionizing radiation. ADA423589
- 03-17 Williams K, Ball J: Usability and effectiveness of advanced general aviation cockpit displays for instrument flight procedures. ADA423591
- 03-18 Johnson RD, Lewis RJ, Canfield DV, Blank, CL: Ethanol origin in postmortem urine: An LC/MS determination of serotonin metabolites. ADA423727
- 03-19 Pounds J, Ferrante A: FAA strategies for identifying and reducing operational error causal factors. ADA423665
- 03-20 King RE, Retzlaff PD, Detwiler C, Schroeder DJ, Broach D: Use of personality assessment measures in the selection of air traffic control specialists. ADA423269
- 03-21 Pounds J, Isaac A: Validation of the JANUS technique: Causal factors of human error in operational incidents. ADA423271
- 03-22 Chaturvedi AK, Cardona PS, Soper JW, Canfield DV: Distribution and optical purity of methamphetamine found in toxic concentration in a civil aviation accident pilot fatality. ADA423609

- 03-23 Lewis RJ, Johnson RD, Angier MK, Ritter RM, Drilling HS, Williams SD: Analysis of cocaine, its metabolites, pyrolysis products, and ethanol adducts in postmortem fluids and tissues using Zymark automated solid-phase extractions and gas chromatography-mass spectrometry. ADA423349
- 03-24 Cardona PS, Chaturvedi AK, Soper JW, Canfield DV: Simultaneous determination of cocaine, cocaethylene, and their possible pentafluoropropylated metabolites and pyrolysis products by gas chromatography/mass spectrometry. ADA423601

## 2004

- 04-1 Vu NT, Zhu H, Owuor ED, Huggins ME, White VL, Chaturvedi AK, Canfield DV, Whinnery JE: Isolation of RNA from peripheral blood cells: A validation study for molecular diagnostics by microassay and kinetic RTC-PCR assays—Application in aerospace medicine. ADA428748
- 04-2 McLean GA, Corbett CL: Access-to-egress III: Repeated measurement of factors that control the emergency evacuation of passengers through the transport airplane Type-III overwing exit. ADA423562
- 04-3 Garner RP, Utrecht JS: Performance criteria for development of extended use protective breathing equipment. ADA423233
- 04-4 Johnson RD, Lewis RJ, Angier MK, Vu NT: The formation of ethanol in postmortem tissues. ADA423300
- 04-5 Beringer DB, Ball JD: The effects of NEXRAD graphical data resolution and direct weather viewing on pilot's judgments of weather severity and their willingness to continue a flight. ADA423239
- 04-6 Nakagawara VB, Montgomery RW, Wood KJ: Demographics and vision restrictions in civilian pilots: Clinical implications. ADA423237
- 04-7 Garner RP, Wong KL, Ericson SC, Baker AJ, Orzechowski JA: CFD validation for contaminant transport in aircraft cabin ventilation flow fields. ADA423999
- 04-8 Broach D: Methodological issues in the study of airplane accident rates by pilot age: Effects of accident and pilot inclusion criteria and analytic strategy. ADA423237
- 04-9 Nakagawara VB, Montgomery RW, Dillard AE, McLin LN, Connor CW: The effects of laser illumination on operational and visual performance of pilots during final approach. ADA425392
- 04-10 Milburn NJ: A historical review of color vision standards for automated flight service station air traffic control specialists. ADA426278
- 04-11 Prinzo OV: Automatic Dependent Surveillance-Broadcast/Cockpit Display of Traffic Information: Innovations in aircraft navigation on the airport surface. ADA427908
- 04-12 McLean GA, Palmerton DA, Corbett CL, Larcher KG, McDown JR: Simulated evacuations into water. ADA427908
- 04-13 Johnson RD, Lewis RJ, Canfield DV, Dubowski KM, Blank CL: Accurate assignment of ethanol origin in postmortem urine: A case study. ADA427914
- 04-14 Milburn NJ, Mertens HW: Predictive validity of the aviation lights test for testing pilots with color vision deficiencies. ADA428358
- 04-15 Angier MK, Lewis RJ, Chaturvedi AK, Canfield DV: Gas chromatographic/mass spectrometric differentiation of atenolol, metoprolol, propranolol, and an interfering metabolite product of metoprolol. ADA428964
- 04-16 DeJohn CA, Wolbrink AM, Larcher JG: In-flight medical incapacitation and impairment of U.S. airline pilots: 1993 to 1998.
- 04-17 Xing J: Measures of information complexity and the implications for automation design. ADA428690
- 04-18 DeWeese R, Moorcroft D: Evaluation of a head injury criteria component test device. ADA428692
- 04-19 McLean GA, Cospers DK: Availability of passenger safety information for improved survival in aircraft accidents. ADA372580
- 04-20 Williams KW, Ball JD: Usability and effectiveness of advanced general aviation cockpit displays for visual flight procedures. ADA423591
- 04-21 Dollar CS, Schroeder DJ: A longitudinal study of Myers-Briggs personality types in air traffic controllers. PB2005103900
- 04-22 Hackworth CA, Cruz CE, Goldman S, Jack DG, King SJ, Twohig P: Employee attitudes within the Federal Aviation Administration. ADA460092

- 04-23 Hackworth CA, Cruz CE, Jack DG, Goldman S, King SJ: Employee attitudes within the air traffic organization. PB2005103902
- 04-24 Williams K: A summary of unmanned aircraft accident/incident data: Human factors implications. ADA460102

## 2005

- 05-1 Collins WE, Wayda ME, Wade K: Index to FAA Office of Aerospace Medicine Reports: 1961 through 2004. ADA460101
- 05-2 Corbett CL: Caring for precious cargo, Part II: Behavioral techniques for emergency aircraft evacuations with infants through the Type III overwing exit. ADA460057
- 05-3 Collins WE, Wade KJ: A milestone of aeromedical research contributions to civil aviation safety: The 1000th report in the CARI/OAM series. ADA460106
- 05-4 Xing J, Manning CA: Complexity and automation displays of air traffic control: Literature review and analysis. ADA460107
- 05-5 Bailey L, Schroeder DJ, Pounds J: The Air Traffic Control Operational Errors Severity Index: An initial evaluation. ADA460573
- 05-6 Broach D: Review of the scientific basis for the mandatory separation of an ATCS at Age 56. ADA460056
- 05-7 Knecht WR, Harris H, Shappell S: The influence of visibility, cloud ceiling, financial incentive, and personality factors on general aviation pilots' willingness to take off into marginal weather: Part I. The data and preliminary conclusions. ADA460734
- 05-8 Wang SM, Lewis RJ, Canfield D, Lio TL, Liu RH: Enantiomeric analysis of ephedrine and norephedrine. ADA460874
- 05-9 Canfield DV, Chaturvedi AK, Dubowski KM: Interpretation of carboxyhemoglobin and cyanide concentrations in relation to aviation accidents. ADA460835
- 05-10 Johnson RD, Lewis RJ: Simultaneous quantitation of atenolol, metoprolol, and propranolol in biological matrices via LC/MS. ADA460843
- 05-11 Johnson RD, Lewis RJ, Hatstrup RA: Poppy seed consumption or opiate use: The determination of thebaine and opiates of abuse in postmortem fluids and tissues. ADA460858
- 05-12 Beringer DB, Harris HC Jr: A comparison of baseline hearing thresholds between pilots and non-pilots and the effects of engine noise. ADA460838
- 05-13 King SJ, Cruz CE, Jack DG, Thomas S, Hackworth CA: 2003 Employee Attitude Survey: Analysis of employee comments. ADA460830
- 05-14 Copeland K, Sauer HH, Friedberg W: Solar radiation alert system. ADA460733
- 05-15 Knecht WR: Pilot willingness to take off into marginal weather, Part II: antecedent overfitting with forward stepwise logistic regression. ADA460841
- 05-16 Pfeleiderer EM: Relationship of the aircraft mix index with performance and objective workload evaluation research measures and controllers' subjective complexity ratings. ADA460790
- 05-17 Palmerton D: Fatality and injury rates for two types of rotorcraft accidents. ADA460769
- 05-18 Garner RP, Mandella JG Jr: Reliability of the gas supply in the air force emergency passenger oxygen system. ADA460831
- 05-19 Prinzo OV: Terminal radar approach control: Measures of voice communications system performance. ADA460833
- 05-20 Chaturvedi AK, Craft KJ, Canfield DV, Whinnery JE: Epidemiology of toxicological factors in civil aviation accident pilot fatalities, 1999-2003. ADA460798
- 05-21 Nakagawara VB, Montgomery RW, Good GW: Medical surveillance programs for aircraft maintenance personnel performing nondestructive inspection and testing. ADA460862
- 05-22 Broach D, Schroeder D: Relationship of air traffic control specialist age to en route operational errors. ADA460816
- 05-23 Beringer DB, Ball JD, Brennan K, Taite S: Comparison of a typical electronic attitude-direction indicator with terrain-depicting primary flight displays for performing recoveries from unknown attitudes: Using difference and equivalence tests. ADA460873

- 05-24 Wiegmann D, Faaborg T, Boquet A, Detwiler C, Holcomb K, Shappell S: Human error and general aviation accidents: A comprehensive, fine-grained analysis using HFACS. ADA460866
- 05-25 Scarborough A, Bailey LL, Pounds J: Examining ATC operational errors using the Human Factors Analysis and Classification System. ADA460879

## 2006

- 06-1 Antuñano MJ, Baisden DL, Davis J, Hastings J, Jennings R, Jones D, Jordan JL, Mohler S, Ruehle C, Salazar GJ, Silberman WS, Scarpa P, Tilton FE, Whinnery JE: Guidance for medical screening of commercial aerospace passengers. ADA460819
- 06-2 Xing J, Schroeder D: Re-examination of color vision standards, Part I: Status of color use in ATC displays and demography of color-deficit controllers. ADA460875
- 06-3 Johnson RD, Lewis RJ: Identification of Sildenafil (Viagra®) and Its metabolite (UK-103,320) in six aviation fatalities. ADA460880
- 06-4 Goldman SM, Manning C, Pfeiderer E: Static sector characteristics and operational errors. ADA460882
- 06-5 Johnson RD, Lewis RJ, Whinnery JE, Forster EM: Aeromedical aspects of aircraft-assisted pilot suicides in the U.S., 1993-2002. ADA460820
- 06-6 Xing J, Schroeder DJ: Reexamination of color vision standards, Part II. A computational method to assess the effect of color deficiencies in using ATC displays. ADA463063
- 06-7 Detwiler C, Hackworth C, Holcomb K, Boquet A, Pfeiderer E, Wiegmann D, Shappell, S: Beneath the tip of the iceberg: A human factors analysis of general aviation accidents in Alaska vs. the rest of the United States. ADA460891
- 06-8 Williams KW: Human factors implications of unmanned aircraft accidents: Flight control problems. ADA460892
- 06-9 Nakagarwara VB, Wood KJ, Montgomery RW: New refractive surgery procedures and their implications for aviation safety. ADA460896
- 06-10 Shaffstall RM, Garner RP, Bishop J, Cameron-Landis L, Eddington DL, Hau G, Spera S, Mielnik T, Thomas JA: Vaporized hydrogen peroxide (VHP®) decontamination of a section of a Boeing 747 cabin. ADA460897
- 06-11 Xing J: Reexamination of color vision standards, Part III: Analysis of the effect of color vision deficiencies in using ATC displays. ADA460956
- 06-12 Canfield DV, Salazar GJ, Lewis RJ, Whinnery JE: Comparison of pilot medical history and medications found in post-mortem specimens. ADA461233
- 06-13 Nesthus TE, Cruz C, Hackworth C, Boquet A: An assessment of commuting risk factors for air traffic control specialists. ADA460857
- 06-14 Kupfer DM, Huggins M, Cassidy B, Vu N, Burian D, Canfield D: A rapid and inexpensive PCR-based STR genotyping method for identifying forensic specimens. ADA460885
- 06-15 Xing J: Color and visual factors in ATC displays. ADA460886
- 06-16 Dattel AR, King RE: Reweighing AT-SAT to mitigate group score differences. ADA461242
- 06-17 Johnson RD, Lewis RJ, Angier MK: The LC/MS quantitation of Vardenafil (Levitra®) in postmortem biological specimens. ADA460865
- 06-18 Shappell SA, Detwiler CA, Holcomb KA, Hackworth CA, Boquet AJ, Wiegmann DA: Human error and commercial aviation accidents: A comprehensive, fine-grained analysis using HFACS. ADA463865
- 06-19 Caldwell DC, Lewis RJ, Shaffstall RM, Johnson RD: Sublimation rate of dry ice packaged in commonly used quantities by the air cargo industry. ADA461451
- 06-20 Pounds J, Rodgers MD, Thompson D, Jack DG: Developing temporal markers to profile operational errors. ADA461407
- 06-21 Schroeder D, Bailey L, Pounds J, Manning C: A human factors review of the operational error literature. ADA461408
- 06-22 Xing J: Color analysis in air traffic control displays, Part I. Radar displays. ADA461409
- 06-23 Nakagawara VB, Wood KJ, Montgomery RW: A review of recent laser illumination events in the aviation environment. ADA461728

- 06-24 Shappell S, Wiegmann D: Developing a methodology for assessing safety programs targeting human error in aviation. ADA461400
- 06-25 Prinzo OV, Hendrix AM, Hendrix R: The outcome of ATC message complexity on pilot readback performance. ADA461355
- 06-26 Milburn NJ, Dobbins L, Pounds J, Goldman S: Mining for information in accident data. ADA464086
- 06-27 Baker AJ, Ericson SC, Orzechowski JA, Wong KL, Garner RP: Validation for CFD prediction of mass transport in an aircraft passenger cabin. ADA465914
- 06-28 Nakagawara VB, Montgomery RW, Wood KJ: Aircraft accidents and incidents associated with visual disturbances from bright lights during nighttime flight operations. ADA465917
- 06-29 Manning CM, Pfeleiderer EM: Relationship of sector activity and sector complexity to air traffic controller taskload. ADA463881
- 06-30 Dollar C, Broach D: Comparison of intent-to-leave with actual turnover within the FAA. ADA463866

**2007**

- 07-1 Collins WE, Wayda ME: Index to FAA Office of Aerospace Medicine reports: 1961 through 2006. ADA463875
- 07-2 Antuñano MJ, Wade K: Index of international publications in aerospace medicine. ADA464057
- 07-3 Williams K: Unmanned aircraft pilot medical certification requirements. ADA463867
- 07-4 Prinzo OV, Hendrix AM, Hendrix R: An analysis of preflight weather briefings. ADA463873
- 07-5 Xing J: Color analysis in air traffic control displays, Part II. Auxiliary displays. ADA464404
- 07-6 Crutchfield J, Rosenberg CS: Predicting subjective workload ratings: A comparison and synthesis of operational and theoretical models. ADA465365
- 07-7 Chidester TR: Voluntary aviation safety information-sharing process: Preliminary audit of distributed FOQA and ASAP archives against industry statement of requirements. ADA465642
- 07-8 Williams KW: An assessment of pilot control interfaces for unmanned aircraft. ADA465657
- 07-9 Burian D, White V, Huggins M, Kupfer D, Canfield DV, Whinnery JE: Comparison of amplification methods to produce Affymetrix Genechip® target material. ADA465656
- 07-10 Xing J: Developing the Federal Aviation Administration's requirements for color use in air traffic control displays. ADA467708
- 07-11 Pfeleiderer EM, Manning CA, Goldman SM: Relationship of complexity factor ratings with operational errors. ADA467731
- 07-12 Sen A, Akin A, Craft KJ, Canfield DV, Chaturvedi AK: First-generation H<sub>1</sub> antihistamines found in pilot fatalities of civil aviation accidents, 1990–2005. ADA467870
- 07-13 DeWeese R, Moorcroft D, Green T, Philippens MMGM: Assessment of injury potential in aircraft side-facing seats using the ES-2 anthropomorphic test dummy. ADA468006
- 07-14 King RE, Manning CA, Drechsler GK: Operational use of the Air Traffic Selection and Training Battery. ADA468134
- 07-15 Lewis RJ, Johnson RD, Angier MK: The Distribution of fluoxetine and norfluoxetine in postmortem fluids and tissues. ADA469744
- 07-16 Chidester T, Hackworth, Knecht W: Participant Assessments of aviation safety inspector training for technically advanced aircraft. ADA469706
- 07-17 Hackworth CA, King SJ, Cruz C, Thomas S, Roberts C, Bates C, Moore R: The private pilot practical test: Survey results from designated pilot examiners and newly certificated private pilots. ADA469745
- 07-18 Pfeleiderer EM, Manning CA: Prediction and classification of operational errors and routine operations using sector characteristics variables. ADA471597
- 07-19 Sen A, Akin A, Canfield DV, Chaturvedi AK. Selective serotonin reuptake inhibitors: medical history of fatally injured aviation accident pilots. ADA474522
- 07-20 Nakagawara VB, Montgomery RW, Marshall WJ: Optical radiation transmittance of aircraft windscreens and pilot vision. ADA471609

- 07-21 Nesthus T, Schroeder D, Connors M, Rentmeister-Bryant H, DeRoshina C: Flight attendant fatigue. ADA471470
- 07-22 Canfield DV, Brink JD, Johnson RD, Lewis RJ, Dubowski KM: Postmortem ethanol testing procedures available to accident investigators. ADA473197
- 07-23 Liu RH, Wu CH, Chen YJ, Chang CD, Linville JG, Canfield DV: Intensity of the internal standard response as the basis for reporting a test specimen as negative or inconclusive. ADA473200
- 07-24 Cummings ML, Tsosis C, Xing J: Investigating the use of color in timeline displays. ADA473201
- 07-25 Hackworth C, Holcomb K, Dennis M, Goldman S, Bates C, Schroeder D, Johnson W: An international survey of maintenance human factors programs. ADA475576
- 07-26 Xing J: Information complexity in air traffic control displays. ADA475598
- 07-27 Rogers RO, Boquet A, Howell C, DeJohn C: Preliminary results of an experiment to evaluate transfer of low-cost simulator-based airplane upset-recovery training. ADA475565
- 07-28 Pfeleiderer E, Goldman S, Chidester T: Time series analyses of integrated terminal weather system effects on system airport efficiency ratings. ADA475572
- 07-29 Botch SR, Johnson RD: Antiemetics with concomitant sedative use in civil aviation pilot fatalities: From 2000 to 2006. ADA475599
- 07-30 Nadler E, Yost A, Kendra A: Use of traffic displays for general aviation approach spacing: A human factors study. ADA475604

## 2008

- 08-1 Peterman CL, Rogers PB, Véronneau SJH, Whinnery JE: Development of an aeromedical scientific information system for aviation safety. ADA477153
- 08-2 Gale WF, Gale HS, Watson J: Field evaluation of whole airliner decontamination technologies for narrow-body aircraft. ADA477159
- 08-3 Ball J: The impact of training on general aviation pilots' ability to make strategic weather-related decisions. ADA477162
- 08-4 Gale WF, Gale HS, Watson, J: Field evaluation of whole airliner decontamination technologies—wide-body aircraft with dual-use application for railcars. ADA477163
- 08-5 Burian D: Functional genomics group—Program description. ADA481081
- 08-6 Knecht WR: Use of weather information by general aviation pilots, Part I, quantitative: reported use and value of providers and products. ADA481118
- 08-7 Knecht WR: Use of weather information by general aviation pilots, Part II, qualitative: Exploring factors involved in weather-related decision making. ADA481119
- 08-8 Kupfer DM, Jenkins M, Burian D, Canfield DV: Use of alternative primers for gender discrimination in human forensic genotyping. ADA481070
- 08-9 Carretta TR, King RE: USAF enlisted air traffic controller selection: Examination of the predictive validity of the FAA air traffic selection and training battery versus training performance. ADA481110
- 08-10 Botch SR, Johnson RD: Drug usage in pilots involved in aviation accidents compared with drug usage in the general population: From 1990 to 2005. ADA481072
- 08-11 Botch SR, Chaturvedi AK, Canfield DV, Forster EM: Vitreous fluid and/or urine glucose concentrations in 1,335 civil aviation accident pilot fatalities. ADA482969
- 08-12 Detwiler C, Holcomb K, Hackworth C, Shappell S: Understanding the human factors associated with visual flight rules flight into instrument meteorological conditions. ADA482973
- 08-13 King RE, Schroeder DJ, Manning CA, Retzlaff PD, Williams CA: Screening air traffic control specialists for psychopathology using the Minnesota Multiphasic Personality Inventory-2. ADA482976
- 08-14 Nakagawara VB, Montgomery RW, Wood KJ: Laser illumination of aircraft by geographic location for a 3-year period (2004–2006). ADA482979
- 08-15 Nakagawara VB, Montgomery RW, Marshall WJ: Infrared radiation transmittance and pilot vision through civilian aircraft windscreens. ADA482971



- 08-16 Bailey L, Pounds J, Scarborough A: En route operational errors: Transfer of position responsibility as a function of time on position. ADA485496
- 08-17 Scarborough A, Bailey L, Pounds J: Analyzing vehicle operator deviations. ADA485664
- 08-18 Xing J: Designing questionnaires for controlling and managing information complexity in visual displays. ADA 488605
- 08-19 Prinzo OV, Campbell A: United States airline transport pilot international flight language experiences, Report 1: Background information and general/pre-flight preparation. ADA 488606
- 08-20 Corbett CL, McLean GA, Cosper DK: Effective presentation media for passenger safety I: Comprehension of briefing card pictorials and pictograms. ADA488828
- 08-21 Prinzo OV, Hendrix AM, Hendrix R: Pilot English language proficiency and the prevalence of communication problems at five U.S. air route traffic control centers. ADA488738
- 08-22 Botch SR, Johnson RD: Alcohol-related aviation accidents involving pilots with previous alcohol offenses. ADA 490324
- 08-23 Williams K: Documentation of sensory information in the operation of unmanned aircraft systems. ADA 490325
- 08-24 Chaturvedi AK, Craft KJ, Cardona PS, Rogers PB, Canfield DV: The second seven years of the FAA's postmortem forensic toxicology proficiency-testing program. ADA 490323



# PART II: AUTHOR INDEX

<i>Author</i>	<i>Report Number</i>	<i>Author</i>	<i>Report Number</i>
<b>A</b>			
Abbott JK	70-4, 70-13, 72-12, 77-9, 83-12, 85-4, 86-3, 86-5	Battisic V	03-2
Adams HJ	98-5	Baxter NE	84-6, 90-1
Adams T	63-23, 63-25, 65-16, 65-28, 65-29, 65-30, 66-23	Bedell RHS	67-22
Agee FL Jr	66-24	Behn LD	97-12, 99-19, 00-3
Agen RA	98-8, 02-24	Beiergrohslein D	78-26
Agnew BO	00-12, 02-24	Bergey KH	72-27
Akin A	03-7, 07-12, 07-19	Bergin JM	73-5
Albright CA	96-5, 98-26	Beringer DB	96-15, 96-16, 97-24, 00-26, 02-7, 02-19, 04-5, 05-12, 05-23
Allen ME	TechPub#1, 64-16, 65-17, 66-1, 66-2, 68-7	Berkley WJ	65-5, 65-6
Allgood MA	70-16, 75-2, 75-13	Berninger D	91-16
Alluisi EA	78-34	Besco RO	95-5
Anderson JA	79-23, 80-12	Billings CE	72-4
Angier MK	03-23, 04-4, 04-15, 06-17, 06-17, 07-15	Billings SM	67-17
Antuñano MJ	93-3, 01-15, 06-1, 06-1, 07-2	Birkey M	95-28
Armenia-Cope R	93-14	Biron WJ	84-1
Armstrong R	66-17	Bishop J	06-10
Arnell F	97-22	Blanchard RE	93-9, 94-5, 95-6
Ashby FK	67-8	Blank CL	00-20, 03-18, 04-13
Atocknic PA	89-10	Bleckley MK	97-22
Aul JC	92-5	Blethrow JG	66-42, 70-19, 72-15, 77-11, 78-3, 79-22, 80-12
Aviation Medical Library FAA	64-20	Blossom CW	78-31
<b>B</b>			
Badgley JM	69-22	Bolding FA	80-8
Bailey JP	73-16, 74-9, 75-8, 77-18, 78-11	Bone RS	03-2
Bailey LL	96-24, 98-24, 99-17, 99-24, 99-25, 99-27, 00-14, 00-17, 00-25, 00-28, 01-19, 01-20, 02-18, 06-21, 05-5, 05-25, 08-16, 08-17	Boone JO	78-10, 78-36, 79-14, 79-21, 80-5, 80-7, 80-15, 82-2, 82-11, 82-18, 83-6, 83-9
Bain DL	97-22	Booze CF Jr	68-5, 68-9, 69-11, 70-18, 72-13, 73-8, 73-10, 74-5, 75-5, 76-7, 77-10, 77-20, 78-21, 79-19, 80-8, 81-9, 81-14, 83-18, 84-3, 84-8, 85-6, 87-7, 89-2, 90-7
Baisden DL	06-1	Boquet A	02-8, 02-13, 02-20, 05-24, 06-7, 06-13, 06-18, 07-27
Baker AJ	04-7, 06-27	Boren HK	00-22
Baker SP	96-3	Botch SR	07-29, 08-10, 08-11, 08-22
Balke B	62-6, 63-6, 63-12, 63-18, 63-33, 63-34, 64-2, 64-3, 66-36	Bourdet NM	71-36
Ball JD	03-17, 04-5, 04-20, 05-23, 08-3	Boyer D	94-17, 94-26, 95-23, 96-9
Bannister JR	78-4	Braden GE	69-22, 73-1
Barile AB	96-5	Bradshaw GL	03-3
Barnard C	66-16	Brake CM	62-18, 63-1, 63-16, 63-22, 63-32, 65-27
Bartanowicz RS	86-2	Branson DM	85-11
Bates C	07-17, 07-25	Brecher GA	69-23, 70-2, 71-22, 72-8
		Brecher MH	69-23, 70-2, 71-22
		Brecht-Clark J	94-4

Part II: Author Index

<i>Author</i>	<i>Report Number</i>	<i>Author</i>	<i>Report Number</i>
Brink JD -----	07-22	Chubb GP -----	96-19, 97-6
Britton TW -----	93-20, 95-15	Cierebiej A -----	69-18, 71-9
Broach DM -----	91-4, 91-11, 91-18, 92-26, 93-4, 94-4, 94-9, 96-6, 96-13, 97-4, 97-15, 97-19, 98-8, 98-22, 98-23, 99-16, 99-24, 00-15, 02-9, 03-14, 03-20, 04-8, 05-6, 05-22, 05-23	Clark G -----	66-5, 66-26, 66-34, 69-19
Broadhurst JL ----	72-30	Clough DL -----	88-5
Bruni CB -----	69-6, 69-16	Cobb BB Jr -----	62-2, 62-3, 63-31, 65-19, 65-22, 67-1, 68-14, 71-30, 71-36, 71-40, 72-18, 72-22, 72-33, 73-7, 74-2, 74-7, 74-8, 75-3, 76-6
Bryant KD -----	89-6	Coffey JD -----	96-12
Burian D -----	06-14, 07-9, 08-5, 08-8	Colangelo EJ -----	89-3
Busby DE -----	77-11	Collins WE -----	62-17, 63-3, 63-13, 63-14, 63-29, Tech. Pub.#1, 64-14, 64-15, 64-16, 65-1, 65-2, 65-17, 65-18, 65-24, 66-37, 67-2, 67-6, 67-7, 67-12, 67-19, 68-2, 68-10, 68-28, 69-15, 69-20, 70-10, 70-17, 71-20, 71-30, 71-31, 71-34, 71-39, 72-34, 72-35, 73-17, 73-18, 74-2, 74-3, 74-7, 75-1, 75-3, 75-4, 76-12, 76-14, 77-24, 78-13, 79-7, 79-9, 79-26, 80-7, 81-15, 81-16, 82-19, 83-6, 84-6, 85-3, 85-5, 86-9, 87-4, 88-2, 88-3, 89-7, 90-1, 90-4, 91-8, 92-1, 93-2, 94-1, 95-1, 95-3, 95-7, 95-13, 96-1, 96-21, 96-22, 97-1, 98-1, 99-1, 00-1, 01-1, 03-1, 05-1, 05-3, 07-1
<b>C</b>		Coltman JW -----	83-3
Caldwell DC -----	06-19	Comerford DA ---	02-3, 03-5
Caldwell L -----	00-10	Connor CW -----	03-12, 04-9
Cameron-Landis L	06-10	Connors M -----	07-21
Campbell A -----	08-19	Constant GN -----	73-19, 76-4
Canfield DV -----	91-12, 92-23, 92-24, 92-25, 94-14, 94-16, 95-26, 95-28, 96-14, 96-17, 98-5, 98-18, 98-21, 99-14, 99-15, 99-29, 00-9, 00-16, 00-21, 00-22, 00-29, 00-34, 01-12, 02-14, 02-15, 03-18, 03-22, 03-24, 04-1, 04-13, 04-15, 05-8, 05-9, 05-20, 06-12, 06-14, 07-9, 07-12, 07-19, 07-22, 07-23, 08-8, 08-11, 08-24	Contempore C --	00-10
Canning JM -----	01-16, 02-1, 02-22	Convey JJ -----	83-11, 85-7, 86-6
Capps MJ -----	Tech.Pub.#1, 64-14, 65-1, 65-2	Cook EA -----	72-30, 78-23
Cardona PS -----	00-29, 03-22, 03-24, 08-24	Copeland K -----	00-5, 03-16, 05-14
Carretta TR -----	08-9	Corbett CL -----	01-18, 02-16, 03-15, 04-2, 04-12, 05-2, 08-20
Carroll JJ -----	70-16	Cosper KK -----	98-1, 04-19, 08-20
Cassidy B -----	06-14	Court MC -----	97-20
Chandler RF -----	68-24, 72-27, 74-4, 76-9, 77-11, 78-6, 78-12, 78-23, 78-24, 79-17, 80-12, 82-8, 83-16	Craft KJ -----	05-20, 07-12, 08-24
Chang CD -----	07-23	Crain RA -----	65-17, 66-2
Chase RC -----	72-4	Crane CR -----	63-27, 67-21, 70-4, 70-13, 72-12, 77-9, 78-26, 83-12, 85-4, 86-1, 86-3, 86-5, 86-8, 89-4, 90-15
Chaturvedi AK ---	91-17, 93-7, 93-8, 94-7, 94-18, 95-8, 95-26, 97-14, 98-10, 98-18, 98-21, 99-11, 99-14, 99-15, 99-29, 00-9, 00-16, 00-22, 00-34, 01-12, 02-14, 03-7, 03-22, 03-24, 04-1, 04-15, 05-9, 05-20, 07-12, 07-19, 08-11, 08-24	Cremer RL -----	84-1
Chen YJ -----	07-23	Crosby WM -----	68-6, 68-24, 69-3, 69-5
Chidester TR -----	07-7, 07-16, 07-28,	Crutchfield J -----	99-3, 07-6
Chesterfield BP ---	80-13, 81-7	Cruz CE -----	95-12, 95-19, 96-23, 00-10, 02-8, 02-13, 02-20, 04-22, 04-23, 05-13, 06-13, 07-17
Chiles WD -----	69-6, 69-9, 69-10, 69-14, 69-16, 71-17, 71-28, 72-5, 72-11, 72-19, 72-21, 74-10, 75-10, 75-14, 76-1, 76-11, 77-15, 77-17, 78-19, 78-33, 78-34, 79-7	Culver JF -----	62-12
Chittum CB -----	89-14, 92-27, 95-22, 96-18, 98-2, 98-3, 99-10	Cummings ML ---	07-24

**D**

Dailey JT----- 77-25, 78-35, 82-11, 84-2  
 Darden EB Jr ---- 78-8  
 Dark SJ----- 76-10, 78-25, 80-19, 83-5, 84-9, 85-9,  
 86-7, 90-5  
 Dattel AR ----- 06-16  
 Daugherty JW---- 62-10, 63-4  
 Davis AW Jr ---- 63-12, 68-15, 68-18, 70-8, 77-17, 78-20,  
 78-25, 80-8, 84-4, 85-12, 90-7  
 Davis HV ----- 71-41  
 Davis J----- 06-1  
 Dean MA ----- 00-15  
 Deimler JD ----- 94-21, 94-22, 94-23  
 DeJohn CA ----- 97-2, 97-21, 00-13, 04-16, 07-27  
 Delafield RH ---- 69-12  
 Della Rocco PS--- 89-6, 90-13, 92-30, 95-12, 95-19, 96-23,  
 99-2, 00-10, 00-32  
 Deloney JR ----- 83-7  
 Dennis M ----- 07-25  
 DeRoshia C----- 07-21  
 deSteiguer D----- 78-4, 80-18, 83-10, 83-14  
 Detwiler C ----- 02-8, 02-13, 02-20, 02-24, 03-20, 03-11,  
 05-24, 06-7, 06-18, 08-12  
 DeWeese R----- 92-20, 93-14, 94-19, 95-30, 98-11, 02-11,  
 03-9, 04-18, 07-13  
 Diehl AE ----- 87-6  
 Dill DB----- 63-33  
 Dillard A ----- 03-12, 04-9  
 Dille JR----- 62-12, 63-2, 63-21, 63-24, 63-27, 66-14,  
 66-27, 68-8, 68-16, 72-1, 74-1, 76-7, 77-1,  
 77-20, 79-19, 80-11, 81-1, 81-14, 83-1,  
 83-18, 84-7, 87-1  
 Dillon RD ----- 81-7  
 Dittmar MJ ----- 97-3  
 Dobbins L----- 06-26  
 Dodd RS ----- 96-3  
 Dollar CS ----- 87-4, 90-8, 94-13, 96-21, 97-17, 02-9,  
 03-14, 04-21  
 Domino D ----- 03-2  
 Donnelly SS ----- 00-6  
 Dougherty MRP- 97-22, 98-16, 01-16, 02-1, 02-22  
 Downey LE ----- 90-5  
 Drechsler GK---- 93-1, 95-16, 07-14  
 Drilling HS ----- 03-23  
 Driskill WE----- 97-3, 97-23, 98-7  
 Druray CG----- 91-16  
 Dubowski KM --- 04-13, 05-9, 07-22

Duke F ----- 00-33  
 Duncan JC----- 63-30  
 Durso FT ----- 98-26, 99-3, 00-5, 01-16

**E**

Eanuel TW Jr---- 03-3  
 Earley JC ----- 62-7  
 Eddington DL--- 06-10  
 Edwards MB----- 92-31, 94-3, 95-4, 95-9  
 Elam GW ----- 73-17, 81-16, 82-19  
 Emanuel T ----- 97-11  
 Emerson TE Jr --- 62-18, 63-1, 63-16, 63-22, 66-11  
 Endecott BR----- 70-3, 77-9, 77-19, 83-12, 85-4 86-1 86-3  
 86-5 89-4, 90-15, 90-16, 91-17, 93-7, 93-8,  
 94-7, 94-18, 00-21  
 Endsley MR ----- 94-27, 97-13  
 England HM ---- 89-10, 92-18, 92-22, 93-6, 94-10  
 Enos RJ----- 99-24  
 Ericson SC ----- 04-7, 06-27

**F**

Faaborg T ----- 05-24  
 Fairlie GW ----- 91-6, 92-27  
 Farmer WL----- 96-13, 97-4, 98-24, 99-16, 00-3, 01-4  
 Faulkner DN ---- 78-8, 82-12, 92-2  
 Feinberg R ----- 65-9, 65-25  
 Ferrante A----- 03-19  
 Ferraro DP----- 73-12, 75-6  
 Fiedler ER----- 00-32, 01-11, 02-23  
 Fineg J ----- 68-24  
 Fiorica V ----- 66-6, 66-11, 66-14, 66-41, 68-4, 68-15, 68-  
 23, 70-8, 70-18, 71-11, 71-15, 71-23, 71-41  
 Fisher RG ----- 74-4  
 Flemig JW ----- 94-14, 95-28  
 Flux M----- 77-3, 77-16, 82-5  
 Folk ED ----- 70-18, 72-30, 73-10, 82-8, 92-27  
 Forster EM----- 06-5, 08-11  
 Fotouhi CH ---- 96-6  
 Fowler PR----- 63-8, 67-5, 75-7, 77-17, 80-10, 83-2  
 Fox CM ----- 01-10, 02-4  
 Freud SL ----- 64-9, 64-10, 64-17, 66-25  
 Friedberg W ---- 71-26, 78-8, 80-2, 82-12, 92-2, 00-33,  
 03-16, 05-14  
 Fromhagen C---- 71-18  
 Fulk GW ----- 91-1  
 Fuller DK ----- 94-3, 95-4

Part II: Author Index

Author Report Number

Funkhouser GE -- 63-25, 66-14, 67-4, 67-17, 68-13, 68-15, 68-18, 70-5, 71-2, 71-17, 72-17, 73-22, 75-10, 75-14, 76-11, 77-8, 77-17, 78-19, 79-10, 80-10, 81-8, 82-10, 83-2, 83-14, 85-10, 87-2, 89-8, 89-11, 91-6, 92-27, 95-20, 95-22, 96-18, 98-3, 99-10

**G**

Galaxy SciCorp--- 93-5, 93-15, 94-12, 95-14, 96-2  
 Gale HS ----- 08-2, 08-4,  
 Gale WF----- 08-2, 08-4  
 Galerston EM --- 68-13, 68-18  
 Ganslen RV ----- 63-12, 63-34  
 Garber M ----- 00-29, 01-12  
 Garner JD----- 62-1, 62-9, 65-7, 66-42, 70-19, 72-30, 77-11, 78-3, 78-23, 79-22, 80-12, 94-10, 95-17, 95-29, 96-4, 97-7, 98-4, 98-27, 99-4, 00-6, 04-3, 04-7, 05-18, 06-10, 06-27  
 Gay DJ ----- 77-24  
 Geiwitz KL----- 00-6  
 George MH----- 91-2, 91-3, 95-20, 95-22, 95-25, 96-18, 98-3, 99-5, 99-10  
 Gerathewohl SJ--- 69-17, 69-24, 70-9, 71-10, 71-33, 75-5, 77-6, 78-16, 78-27  
 Gerke RJ ----- 72-4  
 Gibbons HL ----- 68-8, 69-9, 69-10, 71-18  
 Gilcher RO ----- 84-4  
 Giles E----- 79-2  
 Gilliland K----- 93-13, 97-5, 97-25, 99-20  
 Gilson RD ----- 71-20, 71-34, 72-34  
 Gogel WC ----- 62-15, 63-10, 63-20, 63-28, 64-13, 65-11, 65-32, 66-22, 66-24, 67-18, 67-20  
 Goldman RF ---- 62-5  
 Goldman SM---- 02-23, 04-22, 04-23, 06-4, 06-26, 07-11, 07-25, 07-28  
 Good GW ----- 05-21  
 Goulden DR----- 71-5, 72-16, 73-19, 76-4, 81-4, 83-17  
 Gowdy RV ----- 90-11, 92-20, 93-14, 94-19, 98-11, 99-5, 02-11, 03-9  
 Grape PM----- 77-8, 78-13, 80-3, 81-15, 82-15, 85-8  
 Green T ----- 07-13  
 Grimm EJ----- 72-16, 73-19, 75-4, 76-4  
 Grimm MH ----- 72-1, 74-1, 87-1  
 Gronlund SD---- 97-22, 98-16, 01-16, 02-1, 02-22  
 Guedry FE Jr --- 67-6, 67-7, 71-20, 71-34, 72-34  
 Guilkey JE ----- 98-6  
 Gurman EB----- 94-21

Author Report Number

**H**

Hackworth CA--- 98-26, 99-3, 03-10, 03-11, 04-22, 04-23, 05-13, 06-7, 06-13, 06-18, 07-16, 07-17, 07-25, 08-12  
 Hand DK ----- 97-3, 97-23, 98-7  
 Hanneman GD -- 70-3, 77-8, 78-8, 81-11, 84-5, 87-3, 87-8  
 Hanson PG ----- 68-6, 68-24, 69-5, 69-13  
 Hansrote RW ---- 97-21  
 Haraway A ----- 81-1, 83-1  
 Harper CR ----- 66-30  
 Harris HC Jr---- 95-3, 95-7, 96-16, 97-24, 99-22, 05-7, 05-12  
 Harris JL ----- 84-7  
 Harris RM ----- 94-22  
 Harrison HF----- 66-16, 70-21  
 Hart IS ----- 00-3  
 Hartel CEJ----- 95-21  
 Hartel GF----- 95-21  
 Hartman S ----- 79-2  
 Hasbrook AH --- 62-7, 62-9, 62-13, 65-14, 66-32, 68-12, 68-22, 70-7, 71-24, 72-9, 72-27, 73-9, 73-23, 75-12, 77-24  
 Hastings J ----- 06-1  
 Hattrup RA----- 05-11  
 Hau G ----- 06-10  
 Hauty GT----- 65-5, 65-6, 65-16, 65-28, 65-29, 65-30  
 Hawkes GR----- 62-11, 62-16  
 Heil MC ----- 99-18, 99-23, 00-12, 01-5, 01-4, 01-6, 02-24  
 Heil SKR----- 01-4  
 Hellman CM ---- 91-15, 92-13, 93-18  
 Hendrix AM---- 03-13, 95-15, 06-25, 07-4, 08-21  
 Hendrix R----- 06-25, 07-4, 08-21  
 Higgins EA ----- 63-23, 66-14, 66-39, 68-13, 68-15, 68-18, 69-10, 70-5, 70-8, 71-17, 71-41, 72-17, 73-22, 75-10, 75-14, 76-11, 77-8, 77-17, 78-5, 78-19, 79-10, 79-20, 80-9, 80-10, 81-8, 82-10, 83-2, 83-4, 83-14, 85-5, 85-10, 85-11, 87-2, 87-5, 89-5, 89-8, 89-10, 89-11, 89-12  
 Hill RJ----- 71-39  
 Hill TJ----- 93-19  
 Hillman DJ ----- 94-22  
 Hilton Systems Inc 94-20  
 Hilton TF----- 97-8, 97-12, 99-19, 00-3  
 Hinshaw LB ----- 62-18, 63-1, 63-16, 63-22, 63-26, 63-32, 66-11  
 Hodges BE----- 03-10

Hoffman SM ----- 69-12, 72-17, 73-21, 73-22, 74-11, 75-7,  
76-13, 77-5  
 Holcomb K ----- 02-20, 05-24, 06-7, 06-18, 07-25, 08-12  
 Holland J ----- 02-21  
 Holloway FA ----- 94-24  
 Holmes DD ----- 63-23, 63-26, 66-11  
 Hordinsky JR ----- 91-2, 91-3, 92-11, 92-19, 92-23, 94-14,  
94-16, 95-28, 97-2, 98-10, 00-21  
 Houk VN ----- 64-7  
 Houston ER ----- 98-5  
 Howell C ----- 07-27  
 Hudgins CB ----- 98-4, 98-27  
 Hudson LS ----- 90-7  
 Huffine EF ----- 92-24, 92-25, 99-15  
 Huffman HW ----- 64-15  
 Hufnagel CA ----- 64-7  
 Huggins ME ----- 04-1, 06-14, 07-9  
 Hulin CL ----- 97-11, 03-3  
 Hunter CE ----- 65-31  
 Hunter DR ----- 95-27, 96-19, 97-3, 97-6, 97-16, 97-23,  
98-6, 98-7, 99-7, 02-17  
 Huntley MS Jr --- 91-7, 91-13  
 Hurst MW ----- 78-39  
 Hutto GL ----- 72-24, 77-21, 81-5  
 Hyde AS ----- 63-30  
 Hyland DT ----- 94-21, 94-22, 94-23  
 Hynes MK ----- 99-30, 00-11

**I**

Iampietro PF ----- 62-5, 62-18, 63-1, 63-23, 66-14, 66-23,  
68-15, 69-10, 70-8, 70-22, 71-2, 71-4,  
71-17, 72-17, 72-35, 75-10, 75-14  
 Ice J ----- 63-30  
 Irons FM ----- 73-13, 73-20  
 Isaac A ----- 02-12, 03-21

**J**

Jack DG ----- 03-10, 04-22, 04-23, 05-13, 06-20  
 Jahns DW ----- 99-9, 00-4  
 Jeffress LA ----- 63-7  
 Jenkins CD ----- 78-39  
 Jenkins M ----- 08-8  
 Jennings AE ----- 69-10, 69-14, 72-5, 72-11, 72-21, 75-10,  
75-14, 76-1, 76-11, 77-17, 78-19, 78-33,  
78-34, 78-37  
 Jennings R ----- 06-1  
 Jensen RS ----- 96-19, 97-6, 98-6, 99-7

Johansson J ----- 02-1, 02-22  
 Johnson RD ----- 00-20, 02-15, 03-18, 03-23, 04-4, 04-13,  
05-11, 06-3, 06-5, 06-17, 06-19, 07-15,  
07-22, 07-29, 08-10, 08-22  
 Johnson WB ----- 91-16, 07-25  
 Jones D ----- 06-1  
 Jones JP ----- 92-31  
 Jones KN ----- 71-5, 71-7, 71-29, 72-14, 72-16, 72-25,  
73-14, 75-1  
 Jordan JL ----- 82-14, 06-1  
 Josenhans WKT -- 65-8  
 Joseph KM ----- 99-9, 99-17, 99-25, 99-27, 00-4, 00-14, 03-2

**K**

Kanki BG ----- 96-10  
 Karim B ----- 72-27  
 Karson S ----- 70-14  
 Kay EJ ----- 94-21, 94-22, 94-23  
 Keen FR ----- 66-31  
 Kegg PS ----- 88-3  
 Kendall WW ----- 63-25  
 Kendra A ----- 07-30  
 Key OR ----- 97-21  
 Kidd GD Jr ----- 79-5  
 King RE ----- 02-23, 02-24, 03-20, 06-16, 07-14, 08-9,  
08-13  
 King SJ ----- 03-11, 04-22, 04-23, 05-13, 07-17  
 Kinn JB ----- 68-3  
 Kirkbride LA ----- 96-19  
 Kirkham WR ----- 78-13, 80-3, 80-6, 81-10, 81-15, 82-7, 82-  
13, 83-8  
 Knecht W ----- 02-20, 05-7, 05-15, 07-16, 08-6, 08-7  
 Knowlan DM --- 64-11  
 Kochan JA ----- 97-6  
 Korty P ----- 62-10, 63-4  
 Kot PA ----- 64-11  
 Kranz G ----- 70-10  
 Kupfer DM ----- 00-16, 06-14, 07-9, 08-8  
 Kupiec TC ----- 92-24, 96-14, 96-17, 97-14

**L**

Lacefield DJ ----- 78-31, 82-15, 85-8  
 Lacey DE ----- 62-10, 63-4  
 Lacy CD ----- 71-5  
 LaJonchere CM -- 99-28  
 Lamb MW ----- 96-3  
 Lambrou P ----- 99-22

Part II: Author Index

<i>Author</i>	<i>Report Number</i>	<i>Author</i>	<i>Report Number</i>
Lamonica J	00-26	Manning CA	84-6, 88-3, 89-6, 90-4, 90-6, 90-13, 91-9, 92-5, 92-26, 92-31, 94-3, 94-9, 95-4, 95-9, 96-5, 97-15, 97-22, 98-16, 98-26, 99-3, 00-2, 00-5, 01-5, 01-6, 01-10, 02-2, 02-4, 05-4, 06-4, 06-21, 07-11, 07-14, 07-18, 08-13
Langston ED	72-6, 72-7	Marcus JH	93-14, 94-11, 96-7, 96-11, 97-18, 97-20
Larcher JG	00-13, 02-16, 04-12, 04-16	Marsh DK II	98-9
Lategola MT	63-11, 66-16, 66-17, 66-20, 66-21, 70-8, 70-18, 70-21, 71-8, 71-19, 72-20, 72-26, 73-10, 74-6, 77-3, 77-16, 78-5, 78-20, 79-8, 79-20, 80-9, 81-2, 82-3, 82-4, 82-5, 84-4	Marshall WJ	07-20, 08-15
Lay CD	71-36, 72-22	Mastrullo AR	81-15
Layne PJ	74-6	Masucci FD	63-22
Layton CF	95-31	Mathews JJ	72-18, 72-22, 72-33, 73-7, 74-2, 74-7, 75-3
Leeper RC	73-23	May ND	92-4
Lendrum L	03-3	McCauley ME	01-17
Lennon AO	75-4, 77-24	McClenathan JE	64-7
Lentz JM	76-14	McConville JT	76-9
Lester LF	87-6	McCoy J	66-17
Leverett S Jr	63-30	McDown JR	02-16, 04-12
Lewis MA	78-7, 78-36, 79-3, 79-14	McFadden EB	62-13, 62-21, 63-9, 65-7, 66-7, 66-13, 66-20, 67-3, 67-4, 67-9, 70-20, 71-37, 72-10, 78-1, 78-4, 78-9, 79-13
Lewis MF	67-8, 67-16, 67-24, 68-20, 68-27, 70-15, 71-27, 71-32, 71-42, 72-29, 73-6, 73-12, 73-18, 75-6, 79-4, 81-6, 82-6	McKenzie JM	63-8, 66-41, 67-5, 71-2, 71-21, 73-21, 73-22, 74-11, 75-7, 75-10, 75-14, 76-11, 76-13, 76-15, 77-17, 77-23, 78-18, 78-19, 78-30, 78-40, 79-10, 79-20, 80-10, 81-8, 81-13, 82-10, 83-2, 83-4
Lewis RA	69-6, 69-16	McLean GA	89-8, 89-10, 89-11, 89-12, 91-12, 92-18, 92-22, 92-27, 93-6, 93-19, 95-22, 95-25, 96-18, 98-2, 98-3, 98-19, 99-5, 99-10, 01-2, 02-16, 03-15, 04-2, 04-12, 04-19, 08-20
Lewis RJ	99-15, 00-20, 00-29, 02-15, 03-18, 03-23, 04-4, 04-13, 04-15, 05-8, 05-10, 05-11, 06-3, 06-5, 06-12, 06-17, 06-19, 07-15, 07-22	McLin L	03-12, 04-9
Li G	96-3	Mehling KD	71-31
Lieberman P	98-20	Mejdal S	01-17
Linder MK	80-11	Melton CE Jr	63-5, 64-18, 66-35, 66-39, 67-15, 68-26, 69-1, 69-12, 71-2, 71-21, 71-23, 72-17, 73-15, 73-21, 73-22, 74-11, 75-7, 76-2, 76-13, 77-5, 77-23, 78-5, 78-18, 78-40, 79-20, 80-9, 80-16, 81-13, 82-17, 85-2, 86-2, 89-13
Lintern G	97-11	Melton RJ	79-23
Linville JG	07-23	Mertens HW	65-32, 66-22, 66-38, 67-20, 67-24, 68-27, 70-15, 71-42, 72-29, 75-6, 77-12, 78-15, 79-4, 79-25, 81-6, 81-8, 82-6, 82-10, 83-4, 83-15, 85-3, 85-5, 88-2, 90-9, 92-6, 92-28, 92-29, 92-30, 93-16, 93-17, 95-13, 96-22, 97-10, 99-8, 04-14
Lio TL	05-8	Mertens RA	67-2, 68-7, 70-10, 71-5
Liu RH	07-23	Mielnik T	06-10
Loewenfeld I	65-9	Milburn NJ	82-10, 92-28, 92-29, 92-30, 93-16, 93-17, 95-13, 96-22, 97-10, 99-8, 04-10, 04-14, 06-26
Lofberg MS	83-16		
Loochan FK	91-14, 92-14		
Lowenstein O	65-9		
Lowrey DL	72-6, 77-11, 78-3, 79-22, 80-12, 80-13, 82-7, 82-13, 83-8		
Luchsinger PC	64-8		
Lyne PJ	63-8, 73-10, 77-3, 77-16, 78-20, 81-2, 82-3, 82-4, 84-4, 85-10, 87-2, 89-8, 89-10, 89-11, 89-12		
Lynn CA	73-10		
<b>M</b>			
Maclin O	96-20		
Madakasira S	92-11		
Mandella JG Jr	95-29, 98-4, 98-27, 05-18		



Milke RM-----99-22  
 Millett DP -----00-21  
 Mills SH-----97-7, 98-15, 00-30, 01-10, 01-16, 02-1,  
 02-2, 02-4, 02-22  
 Mills W-----01-11  
 Moertl PM-----00-5, 02-1, 02-22  
 Mogford LS-----98-14  
 Mogford RH -----98-14  
 Mogilka HJ -----01-10, 02-4  
 Mohler SR -----62-4, 62-20, 63-2, 65-7, 65-13, 66-1,  
 66-3, 66-8, 66-25, 66-29, 66-30, 66-31,  
 66-32, 67-22, 68-8, 68-16, 69-2, 69-17,  
 69-18, 70-12, 71-9, 71-10, 71-33, 72-2,  
 72-28, 75-5, 80-4, 96-25, 06-1  
 Moise S-----92-11  
 Montgomery RW ---93-21, 94-15, 95-11, 96-12, 99-6,  
 00-19, 00-23, 01-7, 01-14, 02-6, 02-10,  
 03-6, 03-12, 04-6, 04-9, 05-21, 06-9,  
 06-23, 06-28, 07-20, 08-14, 08-15  
 Moorcroft D-----04-18, 07-13  
 Moore CM-----69-19  
 Moore R-----07-17  
 Morgan JC-----68-26  
 Morris Edward W---66-27  
 Morris Everett W ---70-9  
 Morrison JE-----96-6  
 Morrow DG -----99-21  
 Moser E -----83-2  
 Moser KM -----64-5, 64-7, 64-8  
 Moses R -----66-14, 68-4, 71-11, 71-15, 80-10  
 Mullen SR -----77-17, 78-19, 79-10  
 Murcko LE-----76-4, 77-1  
 Murphy RE-----98-4, 98-27, 00-6  
 Myers JG-----90-2, 91-5, 91-10, 92-15, 92-16, 95-10

**N**

Nadler E-----07-30  
 Naff KC -----00-27  
 Nagle FJ -----63-12, 63-34, 64-2, 66-36  
 Nakagawara VB --90-10, 91-1, 91-14, 92-14, 93-11, 93-21,  
 94-10, 94-15, 95-11, 96-12, 96-27, 98-25,  
 99-6, 00-18, 00-19, 00-23, 01-7, 01-14,  
 02-6, 02-10, 03-6, 03-12, 04-6, 04-9,  
 05-21, 06-9, 06-23, 06-28, 07-20, 08-14,  
 08-15  
 Nance C-----00-26  
 Naughton J -----64-2, 66-17, 66-21, 66-36  
 Neal GL -----65-31  
 Neas BR-----78-8, 80-2

Neddick M-----99-9  
 Nelson JM -----71-26  
 Nelson PL-----72-33, 73-7, 74-8  
 Nesthus TE -----95-5, 95-7, 97-7, 97-9, 97-25, 99-20, 02-8,  
 02-13, 02-20, 06-13, 07-21  
 Newton JL -----63-33  
 Newton NL-----62-12  
 Nguyen K-----0032  
 Nicholas J-----00-33  
 Nichols EA-----72-2  
 Nikolic D -----99-3  
 Norwood GK-----71-25, 71-38, 82-14  
 Nye LG-----89-7, 90-4, 90-8, 91-8, 92-7, 92-8, 92-9,  
 92-10, 94-13

**O**

O'Brien K-----00-33  
 O'Connor WF ---65-10, 66-10, 66-15  
 O'Dell JW -----70-14  
 O'Doherty DS ---65-4  
 Odom RS -----02-16  
 O'Donnell RD ---92-11, 95-24  
 Ohrt DD-----97-22, 98-16  
 Olmos BO -----03-2  
 Orme DR -----01-11  
 Orzechowski JA --04-7, 06-27  
 OU Vortac -----92-31, 94-3, 95-4, 95-9, 96-5  
 Owuor ED-----04-1  
 Ozur H-----82-11

**P**

Packingham KD -99-28  
 Page BB -----63-22  
 Palmerton DA---98-3, 98-13, 02-16, 04-12, 05-17  
 Parker JF Jr -----89-9, 90-14, 95-2  
 Patterson JC -----01-11  
 Pearson DW -----68-17, 69-7, 69-19  
 Pearson RG -----63-35, 65-10, 65-31, 66-19  
 Pendergrass GE---63-27, 66-10, 66-15  
 Penland T -----85-1  
 Pennybaker AL ---96-25  
 Perloff JK-----64-19  
 Perry JL-----98-16  
 Perry RB-----64-8  
 Peterman CL ----08-1  
 Peterson LM-----00-28, 01-19, 01-20, 03-10



Schroeder DJ ----- 68-10, 70-10, 71-6, 71-16, 71-20, 71-31,  
71-34, 71-39, 72-34, 73-17, 79-9, 81-16,  
82-19, 83-7, 83-17, 87-4, 89-7, 90-6, 90-8,  
92-7, 93-4, 94-6, 94-13, 94-17, 94-26,  
95-3, 95-7, 95-32, 96-9, 97-17, 99-17,  
99-22, 00-32, 03-14, 03-20, 04-21, 05-5,  
05-22, 06-2, 06-6, 06-21, 07-21, 07-25,  
08-13

Schvaneveldt R--- 00-26

Scow J ----- 66-15

Seipel JH ----- 64-6, 65-4, 67-11

Sells SB ----- 84-2

Sen A ----- 07-12, 07-19

Sershon JL ----- 84-5, 87-3, 87-8

Shaffstall RM---- 02-16, 06-10, 06-19

Shanbour K----- 66-17, 66-21

Shappell SA----- 00-7, 01-3, 03-4, 05-7, 05-24, 06-7, 06-18,  
06-24, 08-12

Shaw RV ----- 96-24

Shehab RL ----- 98-13

Shepherd WT --- 89-9, 90-14, 91-16, 95-2, 95-14, 95-31,  
96-2

Siegel PV ----- 67-25, 68-9, 69-2, 69-17, 69-18, 71-10

Silberman WS --- 06-1

Simcox LS----- 84-3

Simpson JM ----- 66-13, 67-9, 78-13, 80-3

Simpson LP----- 81-4

Sirevaag EJ ----- 99-28

Sirkis JA ----- 70-9, 72-3

Smith DR ----- 00-9, 00-21, 02-14, 00-34

Smith LT ----- 93-19

Smith MD ----- 98-5, 98-21

Smith PW----- 62-8, 63-24, 69-9, 70-3, 77-9, 77-19, 78-26

Smith RC ----- 70-20, 71-14, 71-21, 71-28, 71-30, 71-35,  
72-23, 72-24, 73-2, 73-15, 73-22, 74-12,  
75-7, 75-9, 76-2, 76-13, 77-21, 77-23,  
78-32, 79-11, 80-14, 81-5

Snow CC----- 62-9, 65-14, 65-26, 68-6, 68-19, 68-24,  
69-3, 69-4, 69-5, 69-13, 70-16, 72-27,  
75-2, 79-2, 82-9

Snyder L----- 77-8, 82-12, 92-2

Snyder RG ----- 62-13, 62-19, 63-15, 63-30, 65-12, 65-26,  
68-6, 68-19, 68-24, 69-3, 69-4, 69-5,  
69-13, 76-9

Solomon LA ----- 66-11

Soper JW----- 96-17, 99-29, 00-16, 02-14, 03-22, 03-24

Southern TL ----- 00-29

Spera S----- 06-10

Spieth W ----- 64-4

St George R----- 99-9

Staggs CM ----- 85-6

Stavinoha WB --- 66-11

Stedman VG----- 71-9

Steen JA ----- 71-27, 71-32, 72-29, 73-18, 75-1, 75-6,  
80-5, 80-15, 84-1, 85-1

Stern JA ----- 94-6, 94-17, 94-26, 96-9, 99-28

Stoliarov N----- 94-6, 94-26, 96-9

Stutzman TM --- 91-5

Swearingen JJ---- 62-1, 62-4, 62-13, 62-14, 63-9, 65-7,  
65-20, 65-23, 66-3, 66-12, 66-18, 66-40,  
67-14, 69-22, 71-3, 71-12, 71-13, 72-6,  
72-7, 72-15, 73-1

**T**

Taite S ----- 05-23

Talleur DA----- 97-11, 03-3

Tang PC----- 63-21

Taylor DK----- 75-9, 81-15, 83-6, 84-6

Taylor HL----- 97-11, 03-3

Taylor JC----- 91-16

Teague SM----- 92-19

Thackray RI ----- 68-17, 69-7, 69-8, 69-21, 71-7, 71-29, 72-14,  
72-25, 73-11, 73-14, 73-16, 74-9, 75-8,  
77-18, 78-11, 79-12, 79-24, 80-1, 80-17,  
81-5, 81-12, 82-1, 82-16, 83-13, 85-13, 86-4,  
88-1, 88-4, 89-1, 90-3, 92-3, 92-6, 94-6

Thomas AA ----- 71-41

Thomas JA----- 06-10

Thomas S ----- 05-8, 07-17

Thompson D----- 06-20

Thompson JJ ---- 00-3

Thompson KE --- 00-6

Thompson RC --- 97-8, 97-12, 98-8, 98-24, 99-17, 99-19,  
99-24, 99-25, 99-27, 00-14, 00-17, 00-25,  
00-27, 00-28, 01-4

Thomson GL----- 97-22

Tilton FE----- 06-1

Tobias JV----- 63-7, 63-17, 63-19, Tech. Pub.#1, 64-16,  
65-17, 66-4, 67-10, 68-21, 68-25, 70-6,  
71-1, 72-31, 72-32, 73-13, 73-20, 75-11,  
76-3, 79-5, 79-16

Touchstone RM-- 69-21, 71-29, 72-14, 72-25, 73-11, 73-14, 73-  
16, 74-9, 75-8, 77-18, 78-11, 79-12, 79-24,  
80-17, 81-12, 82-1, 82-16, 83-13, 85-13, 86-4,  
88-1, 89-1, 90-3, 92-6, 94-6, 94-26, 96-9

Trent CC----- 79-8

Trites DK ----- 61-1, 62-3, 63-31, 65-5, 65-6, 65-21, 65-22

Trout EM ----- 78-6, 78-12, 78-24, 79-17

Truitt TR ----- 96-5, 98-26, 99-3, 00-5

Part II: Author Index

<i>Author</i>	<i>Report Number</i>	<i>Author</i>	<i>Report Number</i>
Tsonis C-----	07-24	Wentz AE-----	64-1, 64-6
Tucker R-----	00-26	Wernick JS-----	63-19
Turner JW-----	91-7, 91-13	West G-----	71-17, 72-5, 72-19, 72-21, 74-10, 75-14
Twohig P-----	04-22	West RW-----	91-1
Tyler RR-----	02-21	Westura EE-----	68-3
<b>U</b>		Wheelright CD----	62-1
Uhlarik J-----	02-3, 03-5	Whinnery JE-----	03-15, 04-1, 05-20, 06-1, 06-5, 06-12, 07-9, 08-1
Umberger EL-----	66-25	White MA-----	83-2
Updegraff BP-----	69-20	White ME-----	82-10
Utrecht JS-----	04-3	White VL-----	92-23, 94-16, 96-14, 96-17, 00-22, 01-12, 04-1, 07-9
<b>V</b>		Wick RL Jr-----	72-4
Valdez CD-----	77-4, 90-12	Wickens CD-----	98-28
van Brummelen AG-	65-8	Wicks SM-----	66-35, 66-39, 67-15, 68-26, 69-1, 77-23, 78- 18, 78-40, 80-10, 81-13, 82-7, 82-13, 83-8
VanBuskirk LK-----	80-5, 80-15	Wiegmann DA	01-3, 03-4, 05-24, 06-7, 06-18, 06-24
Vance FP-----	68-26	Wilcox BC Jr----	91-12, 92-18, 92-22, 93-6, 94-10, 96-25
VanDeventer AD---	80-7, 83-6, 84-6	Willems BF-----	01-20, 02-18
Vant JHB-----	89-5	Williams CA-----	00-14, 02-24 03-10, 03-17, 04-20, 08-13
Vardaman JJ-----	94-5	Williams KW-----	94-25, 95-6, 96-8, 98-12, 99-13, 99-26, 00-8, 00-28, 00-31, 01-13, 02-21, 04-20, 04-24, 06-8, 07-3, 07-8, 08-23
Vaughan JA-----	68-13, 68-15, 68-18, 69-10, 70-5, 71-17, 72-17, 75-10, 75-14, 76-5, 76-11, 77-2, 77-7, 77-13, 77-14, 78-17, 78-22, 78-28, 78-29, 78-41, 79-20, 80-9	Williams MJ-----	69-15
Vedeniapin AB-----	99-28	Williams SD-----	03-23
Veregge JE-----	66-25, 67-22, 67-23	Willis DM-----	75-12
Véronneau SJH----	94-14, 95-5, 96-25, 97-2, 00-13, 00-18, 00-22, 08-1	Wing H-----	91-9
Ververs PM-----	98-28	Winget CM-----	75-10
Von Rosenberg CW-	66-31	Wise RA-----	97-7
Voros RS-----	94-22	Witt LA-----	91-10, 91-11, 91-15, 92-7, 92-8, 92-9, 92-10, 92-13, 92-17, 92-21, 93-18, 94-2, 95-32, 97-8
Vu NT-----	94-7, 98-18, 99-14, 00-16, 04-1, 04-4, 06-14	Wittmers LE-----	65-27
<b>W</b>		Wolbrink AM----	04-16, 00-13
Wade K-----	01-15, 05-1, 05-3, 07-2	Wolf MB-----	98-4
Wallace TF-----	69-22, 72-15, 78-13, 80-3	Wong KL-----	04-7, 06-27
Wang SM-----	05-8	Wood KJ-----	91-14, 92-14, 93-11, 93-21, 94-15, 95-11, 96-27, 98-25, 99-6, 00-19, 01-14, 02-6, 02-10, 03-6, 04-6, 06-9, 06-23, 06-28, 08-14
Warner D-----	92-11	Worley JA-----	99-17, 99-25, 99-27, 00-14
Watson J-----	08-2, 08-4	Wreggit S-----	97-9, 98-9
Wayda ME-----	90-1, 92-1, 94-1, 96-1, 97-1, 98-1, 99-1, 00-1, 01-1, 03-1, 05-1, 07-1	Wu CH-----	07-23
Weigmann DA-----	00-7	<b>X</b>	
Weissmuller JJ-----	97-3, 97-23, 98-7	Xing J-----	04-17, 05-4, 06-2, 06-6, 06-11, 06-15, 06-22, 07-5, 07-10, 07-24, 07-26, 08-18
Welsh KW-----	76-5, 77-2, 77-7, 77-13, 77-14 78-17 78-22 78-28 78-29 78-41		

**Y**

Yanowitch EA ---- 73-5  
Yanowitch RE ---- 72-2, 73-5  
Yost A----- 02-21, 07-30  
Young CL ----- 76-6  
Young FA----- 79-2  
Young JW ----- 62-21, 65-23, 66-9, 66-33, 67-13, 69-3,  
69-4, 69-5, 69-13, 71-37, 74-4, 76-9,  
78-14, 82-9, 83-16, 89-8, 89-11, 93-10  
Young PE----- 68-11, 68-12  
Young WC----- 93-4, 96-13, 97-4

**Z**

Zehner GF ----- 83-16  
Zeiner AR----- 72-8  
Zelenski JD ----- 77-19  
Zhu H ----- 04-1  
Ziemnowicz SAR 65-4



# PART III: SUBJECT INDEX

## CONTENTS

Acceleration, angular .....	57	Center of gravity .....	65
Acceleration, linear (see also Deceleration) .....	57	Certification, aeromedical.....	65
Accidents.....	57	Charts .....	65
Aerial application .....	58	Circadian periodicity .....	65
Aerobatics .....	58	Civil Aerospace Medical Institute (CAMI) .....	65
Aerospace .....	58	Clothing.....	65
Age.....	58	Cold.....	65
Air ambulance.....	58	Color.....	65
Air bags.....	58	Color vision .....	65
Air loads.....	58	Communication.....	65
Air piracy .....	58	Contact lenses .....	66
Air traffic control.....	58	Cosmic radiation.....	66
Air traffic controllers .....	59	Crashworthiness .....	66
Air transportation.....	60	Deceleration .....	66
Aircraft.....	60	Decision-making.....	66
Airport .....	62	Decompression.....	66
Airway facilities personnel .....	62	Depth perception .....	66
Airway Science Curriculum Demonstration Project ...	62	Diet.....	66
Airworthiness Inspectors .....	62	Disorientation .....	66
Alcohol.....	62	Distraction .....	66
Altitude.....	62	Ditching.....	66
Animal transportation .....	62	DNA.....	66
Anthropometry .....	62	Drugs.....	67
Anthropomorphic dummies .....	63	Earphones .....	67
Anticollision lights .....	63	Earplugs .....	67
Aphakia.....	63	Education.....	67
Arousal.....	63	Electrocardiogram .....	67
Attention.....	63	Energy.....	67
Audiology.....	63	Environment .....	67
Automation.....	63	Equipment .....	67
Aviation maintenance.....	63	Evacuation, passenger emergency .....	68
Aviation medical examiners .....	63	Exercise .....	68
Ballistocardiography .....	63	Eye .....	69
Behavioral types .....	63	Fatigue .....	69
Benzodiazepines .....	63	Federal Air Surgeon.....	69
Birds.....	63	Fire.....	69
Blood .....	63	Flight attendants .....	70
Cabin safety .....	64	Flotation devices .....	70
Caloric irrigation.....	64	Forensics (see Toxicology).....	70
Canes .....	64	Fuel.....	70
Carbon monoxide .....	64	G forces.....	70
Cardiovascular.....	64	Galactic cosmic radiation .....	70
Case reports.....	64	Global positioning system (GPS).....	70

## Subject Index Contents (continued)

Handicapped persons .....	70	Psychology .....	79
Heat .....	70	Pulmonary .....	79
Hearing .....	70	Radiation .....	80
Hijacking .....	70	Renal function.....	80
History (CARI/CAMI) .....	70	Research, aeromedical.....	80
Human.....	70	Restraint.....	80
Human factors (also see: Performance) .....	71	Seat .....	81
Hypothermia.....	71	Seatbelts .....	81
Hypoxia .....	71	Shiftwork and shift rotations .....	81
Identification.....	72	Shoulder harness .....	81
In-flight health care .....	72	Sickle cell trait.....	81
Illusions.....	72	Simulation.....	81
Injuries.....	72	Skin.....	81
Instruments.....	72	Sleep .....	82
Job attitudes .....	72	Smoke .....	82
Judgment .....	72	Smoking.....	82
Kidney .....	73	Sonic booms.....	82
Lighting .....	73	Stalls.....	82
Management .....	73	Standards .....	82
Medical kits.....	73	Stress .....	82
Motion sickness.....	73	Suicide .....	82
Motivation .....	73	Supersonic transport.....	82
Neurology .....	73	Temperature.....	82
Noise.....	73	Tests .....	83
Nystagmus .....	73	Tobacco.....	83
Orthostatic tolerance.....	74	Tolerance.....	83
Oxygen .....	74	Toxicology.....	84
Oxygen masks .....	74	Training .....	84
Ozone .....	74	Translations.....	85
Passengers.....	74	Turbulence .....	85
Patients .....	74	Vertigo .....	85
Perception .....	74	Vestibular function.....	85
Performance (also see: Human Factors) .....	74	Vibration.....	85
Personnel, FAA (see also, Air Traffic Controllers)....	76	Video games.....	85
Pesticides.....	77	Vigilance .....	85
Physical fitness .....	77	Vision .....	85
Physiology.....	77	Warning signals .....	86
Pilots .....	77	Water survival .....	86
Pregnancy.....	79	Weather.....	86
Propellers .....	79	Weight .....	86
Protective breathing equipment.....	79	Work.....	86



**Acceleration, angular**

- ...Aeromedical Scientific Information System, 08-1
- ...adaptation, 66-37, 67-6, 67-7, 67-12, 67-19, 69-20, 74-3
- ...antimotion sickness drugs effects, 81-16, 82-19
- ...alcohol effects, 71-6, 71-16, 71-20, 71-34, 71-39, 72-34, 95-3
- ...arousal effects on nystagmus, 62-17
  - accurate assignment of alcohol involvement, 04-13, 07-22
- ...arousal effects on vestibular response, 63-29
- ...dextroamphetamine effects on performance, 73-17, 76-12
- ...nystagmus after caloric habituation, 63-14, 64-14, 65-18, 67-2
- ...nystagmus after rotation habituation, 63-13, 65-24, 68-2
- ...rotation device, 64-15
- ...secobarbital effects on performance, 73-17
- ...sleep loss effects on performance, 76-12, 86-9

**Acceleration, linear (see also Deceleration)**

- ...bibliography, 63-30

**Accidents**

- ...Aeromedical Scientific Information System, 08-1
- ...age of pilots, 77-10, 04-8
- ...agricultural aircraft, 66-27, 66-30, 72-15, 78-31, 80-3
- ...Alaskan CFIT, evaluated by HFACS, 00-28, 06-7
- ...alcohol involved, 66-29, 68-16, 78-31, 80-4, 92-24, 98-5, 00-21, 03-18, 03-23, 04-13, 05-20, 08-22
  - accurate assignment of alcohol involvement, 04-13, 07-22
- ...analyses of injuries, 70-16, 71-3, 72-15, 81-10, 82-7, 05-17
- ...analytic methodology of causal factors, 06-26
- ...bloodborne pathogens, 97-21
- ...cabin injuries, 79-23, 82-8
- ...carbon monoxide levels without fire, 80-11, 00-18, 00-34, 05-9
- ...cocaine and associated metabolites, analytic method, 03-23, 03-24
- ...causes, 66-8, 66-27, 66-29, 67-23, 68-16, 69-2, 70-18, 78-13, 82-15, 05-9, 05-20, 05-24, 06-24, 07-12, 07-22, 07-29, 08-11, 08-22
- ...cockpit delethalization, 66-3, 66-12, 71-3
- ...controlled flight into terrain, human error analysis, 03-4
- ...coronary atherosclerosis in pilot fatalities, 80-8, 85-6
- ...drugs and toxic chemicals as causes, 68-16, 78-31, 85-8, 95-28, 96-17, 00-9, 00-21, 00-29, 00-34, 03-7, 03-22, 03-23, 03-24, 05-20, 07-12, 07-19

- drug usage in pilots, illicit and prescription, 08-10
- ...evacuation injuries, 79-6, 80-12, 99-30, 00-11
- ...evacuation patterns, 62-9, 65-7, 70-16, 96-18
- ...experience of pilots, 77-10, 08-12
- ...fatalities identification, 79-2, 98-18, 06-14, 08-5, 08-8
  - fluoxetine distribution in postmortem samples, 07-15
- ...fire, smoke protection, 67-4, 70-16, 70-20, 78-4, 83-10, 85-10
- ...glare involvement, 03-6, 06-28
- ...glucose levels, abnormal, 00-22, 08-11
- ...HFACS, human factors analysis and classification system for human error, 00-7
  - applied to air carriers and commuter accidents, 06-18
  - applied to Alaskan CFIT accidents, 00-28
  - applied to general aviation CFIT accidents, 03-4
  - applied to general aviation accidents, 1990-2000, 05-24, 08-12
  - applied to general aviation accidents in Alaska, 06-7
  - intervention programs, 06-24, 08-12
- ...in-flight incapacitation, 87-7, 04-16
- ...in-flight vertigo and unconsciousness, 63-21
- ...injuries, from seat impacts, 66-18
  - in extreme vertical impacts, 62-19
  - in rearward-facing seats, 62-7
- ...instructional flights, 96-3
- ...intervention programs, 06-24
- ...investigations, human factors findings, 63-35, 69-18, 72-2, 73-5, 80-6, 04-24, 05-24, 06-24
- ...lapbelt-restraint injuries to pregnant females, 68-24
- ...lost/disoriented, 95-1
- ...occupation of pilots, 77-10
- ...older pilots, 67-22, 70-18, 04-8
- ...padding for crash protection, 66-40
- ...physician pilots, 66-25, 71-9
- ...pilots with static physical defects, 76-7, 77-20, 79-19, 81-14, 83-18, 93-11
  - prior alcohol offenses, 08-22
- ...post mortem findings, 69-18, 92-23, 92-24, 92-25, 94-14, 95-28, 97-14, 98-18, 00-9, 00-16, 00-29, 03-4, 03-22, 03-24, 04-13, 05-9, 05-10, 05-11, 05-20, 06-3, 06-14, 06-17, 07-12, 07-15, 07-19, 07-22, 08-8, 08-10, 08-11, 08-22
  - in relation to medical history, 06-12, 07-19
  - quality assurance of forensic analyses, 99-11, 99-14, 99-15, 99-29, 03-18, 04-1, 04-4, 04-13, 04-15, 06-14, 07-23, 08-24
- ...predisposition, 72-2, 73-5, 93-9
- ...prevention with blind flight instrument, 66-32
- ...propeller-to-person, 81-15, 93-2

...railroad, 73-1  
 ...risk factors, for controlled flight into terrain (Alaska), 00-28  
 –for marginal weather take-offs by general aviation pilots, 05-7, 05-15, 08-12  
 ...rotorcraft, rollover and injury/fatality rates, 05-17  
 ...safety information for improved survival, 04-19  
 ...seat cushions for flotation, 66-13, 98-19  
 ...shoulder harnesses to increase survival, 72-3, 83-8, 89-3  
 ...spatial disorientation, 78-13, 95-1, 96-21  
 ...stall warning, 66-31  
 ...suicide, 72-2, 73-5, 06-5  
 ...survivability, fire/smoke, 95-8, 05-17  
 –free-fall impacts, 63-15  
 –water impacts, 65-12, 68-19  
 ...triamterene in blood, identification of, 92-23  
 ...unmanned aircraft, accidents and incidents, 04-24  
 –flight-control problems, 06-8  
 ...visual acuity of pilots, 75-5, 81-14, 83-18, 00-18  
 ...water spray systems, 98-4  
 ...water survival, analysis of training programs, 98-19  
 –frequency of occurrence, 98-19  
 ...WinMine analytic tool applied to accident data, 06-26

**Aerial application**

...accidents, 66-27, 66-30, 68-16, 72-15, 78-31, 80-3  
 ...biochemical effects of lindane and dieldrin, 62-10, 63-4  
 ...chlordimeform toxicity, 77-19  
 ...cholinesterase determination, 67-5  
 ...comparison of serum cholinesterase methods, 70-13, 72-12  
 ...dieldrin effects on liver, 66-5, 66-26  
 ...endrin effects, 66-11, 66-26, 66-34, 70-11  
 ...mechanisms of endrin action, 63-16, 63-26  
 ...organophosphate insecticides effects, 63-24, 69-19, 70-3  
 ...Phosdrin effects on performance, 72-29, 73-3  
 ...Phosdrin effects on vision, 73-4  
 ...storage stability of human blood cholinesterase, 70-4  
 ...toxic hazards, 62-8, 68-16, 78-31  
 ...treatment of methamidophos poisoning, 78-26

**Aerobatics**

...blood donation effects, 84-4  
 ...G effects on pilots, 72-28, 82-13

**Aerospace**

...index of international publications, 93-3, 07-2  
 ...medical screening guidance for commercial aerospace passengers, 06-1

**Age**

...age 60 rule, 94-20, 94-21, 94-22, 94-23, 04-8  
 ...air traffic controller, health, 65-6, 71-8, 71-19, 72-20  
 –performance, 61-1, 62-3, 65-21, 67-1, 71-36, 73-7, 84-6, 90-4  
 –retirement age, 05-6, 05-22  
 ...aircraft accident survival, 70-16  
 ...aircraft accidents, pilots involved, 67-22, 70-18, 77-10, 95-11  
 ...alcohol and altitude interaction, 88-2  
 ...alcohol effects on performance, 95-3, 95-7  
 ...aviation personnel, 64-1, 94-20, 94-21, 94-22, 94-23  
 ...binocular fusion time effects, 66-35  
 ...cardiovascular disease and performance, 64-4  
 ...cardiovascular health changes in airmen, 72-26  
 ...cockpit visual problems of senior pilots, 77-2, 77-7, 77-13, 77-14, 78-17  
 ...complex monitoring performance effects, 81-12, 82-16, 83-15, 85-3, 88-2  
 ...index for pilots, 77-6, 78-16, 78-27, 82-18  
 ...pupillary reflex relationship, 65-25  
 ...shiftwork, 95-19  
 ...sonic boom effects during sleep, 72-19, 72-24, 72-35  
 ...work capacity, 63-18, 63-33

**Air ambulance**

...cardiopulmonary factors in perinatal air transport, 82-5  
 ...status of civilian air ambulance services, 71-18

**Air bags**

...restraint tests, 69-3, 69-4

**Air loads**

...effects on man, 63-9  
 ...small-aircraft decompressions, 67-14

**Air piracy**

...deterrence, 78-35

**Air traffic control**

...ability requirements, 92-26, 98-8, 98-16  
 ...Air Traffic Selection and Training (AT-SAT) project, 00-2, 06-16  
 ...automation issues, 90-13, 92-31, 94-3, 95-4  
 ...blink parameters and display highlighting, 99-8  
 ...boredom with simulated radar control, 75-8, 80-1  
 ...Cockpit Display of Traffic Information (CDTI), 00-30, 03-2, 03-13, 04-11  
 ...cognitive style aspects, 99-12  
 ...color highlighting and color deficiency, 92-6  
 ...color use in ATC displays, 06-2, 06-6, 06-11, 06-15, 06-22, 07-5, 07-10, 07-24

- ...communications, 96-10, 96-26, 98-17, 98-20, 99-21, 03-13, 05-19, 06-25, 08-19, 08-21
  - ...conspicuity of colored and flashing targets, 90-3
    - target blink amplitudes, 97-10, 99-8
  - ...density, warnings, and collision avoidance, 73-6
  - ...flight progress strips, use of, 92-31, 94-3, 95-4, 95-9, 96-5, 00-5
  - ...information complexity measures, implications for automation design, 04-17, 07-11, 07-18, 07-26, 08-18
  - ...information requirements, TRACON, 95-16
  - ...job task taxonomy, 93-1
  - ...memory, 97-22
  - ...napping and night shift performance, 00-10
  - ...noise effects on performance of radar task, 79-24
  - ...operational errors, evaluation of the Severity Index, 05-5
    - evaluation of HFACS and other models to describe causes, 05-25
    - review of human factors literature, 06-21
    - sector characteristics, effect on, 06-4, 07-11, 07-18
  - ...operational errors and incidences, causal factors and the JANUS technique, 03-21
    - development of temporal markers to profile, 06-20
    - shiftwork and fatigue role, 99-2
    - transfer of position responsibility, role of, 08-16
  - ...ophthalmic requirements, 96-12
  - ...radar performance with and without a sweepline, 79-12.
    - with and without computer aiding, 89-1
  - ...radar training facility, 80-5, 80-15, 83-9
  - ...resource management, crew, 95-21
  - ...runway incursions, vehicle operators, 08-17
  - ...SATORI, 93-12, 97-13
  - ...sector characteristics, activity and complexity, 06-29
    - static, and operational errors, 06-4, 07-11, 07-18
  - ...selection and supervisory training, 92-16
  - ...shiftwork, 71-2, 73-21, 73-22, 74-11, 75-7, 76-13, 77-23, 82-17
  - ...situation assessment through re-creation of incidents (SATORI), 93-12, 98-14
  - ...situation awareness, 94-27, 95-16, 97-13, 98-16, 99-3, 03-2, 03-5, 03-13, 04-11, 04-20
  - ...simulator for research, 65-31
  - ...systematic air traffic operations research initiative (SATORI), 97-13, 98-14
  - ...teamwork, performance feedback in simulation, 00-25
    - teamwork, training platform, 99-24
  - ...vehicle operator deviations, runway incursions, 08-17
  - ...vigilance at three radar display target densities, 77-18
  - ...vigilance of men and women on simulated radar task, 78-11, 80-17
  - ...visual displays, cognitive complexity, 05-4, 07-26, 08-18
  - ...visual taskload effects, on CFF change during complex monitoring, 85-13
    - on complex monitoring, 88-1, 90-3
  - ...voice communications from, 93-20, 98-17, 98-20, 05-19
  - ...workload production models, 07-6
- Air traffic controllers**
- ...age and retirement, 05-6
  - ...age effects on performance, 61-1, 62-3, 65-21, 67-1, 71-36, 73-7, 81-12, 82-16, 84-6, 90-4, 96-23, 99-18, 99-23, 05-6, 05-22
  - ...aircraft mix and complexity ratings, 05-16
  - ...anthropometry, 65-26
  - ...anxiety with training, 89-7, 91-8
  - ...anxiety with workload, 73-15, 80-14, 81-5
  - ...aptitude tests for selection, 65-19, 68-14, 71-28, 71-36, 71-40, 72-18, 89-6, 90-8, 97-15, 98-23, 99-16, 00-2, 06-16, 07-14, 08-9
    - reweighting AT-SAT scores to reduce adverse impact, 06-16, 07-14
  - ...attitudes, 74-7, 74-12, 75-3, 79-11, 91-10, 00-17, 04-23
  - ...attrition, 72-33, 74-2, 74-7, 75-3
  - ...biochemical stress index, 74-11, 75-7, 77-23, 78-5, 78-40
  - ...biodynamic evaluation, 71-8
  - ...biographical factors associated with training success, 83-6, 84-6, 90-4, 94-13
  - ...biomedical survey, 65-5, 65-6
  - ...collegiate training initiative, 98-22
  - ...color deficiency in a workforce sample, 06-1
  - ...color perception and job performance, 83-11, 90-9, 92-6, 92-28, 92-29, 96-22, 06-2, 06-6, 06-11, 06-15, 06-22, 07-10, 07-24
  - ...color vision tests, 85-7, 90-9, 92-28, 92-29, 95-13, 96-22, 04-10, 04-14, 06-2, 06-6, 06-11
  - ...communication, 93-20, 95-15, 96-10, 96-20, 96-26, 98-17, 98-20, 99-21, 01-8, 01-9, 05-19, 06-25, 08-19, 08-21
  - ...commuting (driving) risks before and after shifts, 06-13
  - ...Composite Mood Adjective Check Lists to measure fatigue, 71-21
  - ...disease incidence and prevalence, 78-21, 84-3
  - ...education as selection factor, 76-6, 90-4
  - ...experience as selection criterion, 63-31, 71-36, 74-8, 00-12

...fatigue and shiftwork, 99-2  
   –and commuting risk factors before and after shifts, 06-13  
 ...flight progress strips, use of, 92-31, 94-3, 95-4, 95-9, 96-5, 98-26, 00-5  
 ...flight service station, training, 86-6, 91-4  
   –organizational climate, 97-12  
   –weather briefings, 07-4  
 ...headset interference tones, 92-4  
 ...health changes, 71-19, 72-20, 78-39, 84-3  
 ...height and weight data, errors in, 73-10  
 ...incident reporting, 65-10, 03-19  
 ...memory, 97-22, 98-16  
 ...military ATC students, performance on AT-SAT, 08-9  
 ...military experience and selection, 92-5  
 ...Minnesota Multiphasic Personality Inventory-2, for screening, 08-13  
 ...motivational factors, 71-30, 73-2  
 ...Multiple Task Performance Battery for selection, 72-5, 74-10  
 ...Myers-Briggs personality types, 04-21  
 ...napping and night shift performance, 00-10  
 ...NEO Personality Inventory-Revised, compared with 16 PF test, 03-20  
 ...occupational vision, 96-12, 96-27  
 ...operational errors, evaluation of the Severity Index, 05-5  
   –HFACS and other models to describe causes, 05-25  
   –static sector characteristics, influence on, 06-4, 07-11, 07-18  
   –time on position and transfer of position responsibility, 08-16  
 ...operational errors/deviations, 99-2, 03-19, 03-21, 05-22, 06-21  
 ...perceptions of aircraft performance, 00-24, 03-8, 05-16  
 ...performance evaluation, 61-1, 65-22, 73-7, 93-12, 98-14, 00-2  
 ...performance on radar monitoring tasks, 82-1, 83-13, 86-4, 88-1, 88-4, 90-3, 94-26, 95-23, 97-10, 98-16, 99-8  
 ...performance during CDTI evaluation, 00-30, 03-2, 03-13  
 ...personality factors, and disability retirement, 03-14  
   –and performance, 70-14, 93-4, 94-13, 04-21  
 ...physiological responses, 71-2, 73-21, 73-22, 74-11, 75-7, 76-13, 77-23, 82-17  
 ...pilot satisfaction with services, 90-6  
 ...presbyopic, 96-12, 96-27  
 ...psychological testing, 61-1, 62-2, 80-14, 81-5, 92-30, 97-17, 98-23, 99-16, 99-23, 03-14, 03-20, 06-20, 08-13

...selection, 62-2, 72-33, 74-8, 76-6, 77-25, 78-7, 78-36, 79-3, 79-14, 79-21, 80-7, 80-15, 80-17, 82-11, 83-6, 84-2, 84-6, 88-3, 89-6, 89-7, 90-4, 90-8, 90-13, 91-4, 91-8, 91-9, 91-18, 92-5, 92-26, 94-4, 94-8, 96-6, 96-13, 97-4, 97-15, 97-17, 97-19, 98-23, 99-16, 99-18, 99-23, 00-2, 00-12, 00-15, 03-20, 06-16, 07-14  
 ...sex differences in selection, training, and attrition, 72-22, 74-2, 74-7, 75-3, 96-13, 98-23  
 ...shift rotation patterns, effects, 73-22, 75-7, 77-5, 85-2, 86-2, 95-12, 95-19, 96-23, 99-2, 00-10, 06-13  
 ...situation awareness, 99-3, 03-2  
 ...Sixteen Personality Factor test, air traffic controllers, 97-17, 03-20  
 ...sleep patterns, 77-5, 95-12, 95-19, 00-10  
 ...stress, 71-2, 73-21, 73-22, 74-11, 75-7, 76-13, 77-23, 80-14, 81-5, 82-17  
 ...symptoms reported, 61-1  
 ...taskload measures, 01-10, 02-2, 03-8, 05-16, 06-4, 06-29  
 ...team work, performance feedback in simulation, 00-25  
 ...training, 78-10, 79-3, 79-18, 80-5, 80-15, 82-2, 83-9, 88-3, 89-6, 89-7, 90-4, 90-8, 91-4, 94-9, 94-13, 95-4, 96-6, 98-8, 98-22, 98-23, 99-16, 00-12  
 ...voice communications, 93-20, 95-15, 98-20, 99-21, 05-19, 08-19, 08-21  
 ...weather briefings, 07-4

### Air transportation

...animals, 77-8, 81-11, 84-5  
 ...dry ice packaging in air cargo, sublimation rate, 06-19  
 ...high risk pregnant women and neonates, 82-5, 00-33, 03-16  
 ...human external loads, 98-13  
 ...infectious disease substances, 95-29  
 ...in-flight medical care, 00-13  
 ...in-flight medical incapacitation and pilot impairment, 87-7, 04-16  
 ...life preserver retrieval, 03-9  
 ...medical kits, 91-2, 91-3, 97-1, 00-13  
 ...medical and psychological aspects, 71-10  
 ...passenger safety information, availability, 04-19  
   –comprehension of, 08-20  
 ...sports parachutists, restraint systems, 98-11  
 ...standards for advanced systems, 71-33  
 ...wheel-well stowaways, 96-25

### Aircraft

...accident causes, 66-8, 66-25, 66-27, 66-29, 66-30, 67-23, 68-16, 69-2, 69-18, 71-9, 72-2, 73-5, 78-13, 78-31, 80-4, 82-15, 89-3, 98-5, 99-14, 99-15, 03-4, 04-4, 04-13, 04-24, 05-8, 06-7, 06-24

- 
- ...accident investigation, 62-7, 62-9, 63-21, 63-35, 67-22, 69-18, 72-2, 73-5, 79-2, 79-6, 80-3, 80-6, 80-11, 81-10, 82-7, 83-8, 85-8, 97-21, 98-10, 99-11, 00-7, 00-22
  - ...advanced aircraft and aviation safety inspector training, 07-15
  - ...aging and maintenance, 92-3
  - ...air flow and CFD prediction in a passenger cabin, 06-27
  - ...attitude indicators, 73-9, 05-23
  - ...aural glide slope cues for instrument approaches, 71-24
  - ...biocidal fuel additive, 67-21
  - ...briefing information, safety, 04-19, 08-20
  - ...cabin safety data bank, 79-23, 82-8
  - ...cabin safety subject index, 84-1, 85-1
  - ...cabin ventilation flow fields, 04-7, 06-27
    - decontamination with vaporized hydrogen peroxide, 06-10, 08-2, 08-4
  - ...cargo compartment environment, 81-11
  - ...checklists, 91-7
  - ...cockpit delethalization, 66-3, 66-12, 71-3, 72-6, 72-7, 72-15
  - ...cockpit visual problems, 77-2, 77-7, 77-13, 77-14, 78-17, 03-12, 07-20, 08-15
  - ...communication in light aircraft, 72-31
  - ...computational fluid dynamics (CFD) in predicting pathogen distribution in a passenger cabin, 06-27
  - ...contaminant distribution prediction in a passenger cabin, 06-27
  - ...control forces and female pilots, 72-27, 73-23
  - ...crew smoke-protective devices, 76-5, 78-4, 83-14, 89-5, 89-8, 89-11
  - ...decompression hazards, 67-14, 70-12, 99-4
  - ...decontamination of passenger cabin, 06-10, 08-2, 08-4
  - ...design changes to reduce injuries, 71-3, 72-7, 83-8
  - ...displays, 98-9, 98-12, 03-2, 03-5, 03-13, 04-5, 05-23, 07-30
  - ...ditching studies, 78-1, 91-6, 98-19, 04-12
  - ...emergency signs, readability in smoke, 79-22
  - ...escape slides, studies of, 98-3, 99-10
  - ...evacuation, 62-9, 65-7, 66-42, 70-16, 70-19, 72-30, 77-11, 78-3, 78-23, 79-5, 79-6, 80-12, 81-7, 89-5, 89-12, 92-27, 95-22, 95-25, 96-18, 98-19, 99-10, 99-30, 00-11, 01-18, 03-15, 04-2, 04-12, 05-2
  - ...exits, size of in evacuation, 99-10, 04-12
  - ...evacuation models, 94-11, 97-20
  - ...fire, smoke protection after accidents, 67-4, 70-16, 70-20, 78-4, 83-10, 85-10, 89-5, 89-8, 89-11, 89-12
  - ...fire vs. no fire on rotorcraft accidents, 05-17
  - ...fires, toxicity of combustion products, 71-41, 77-9, 85-5, 86-1, 86-3, 86-5, 89-4, 91-17, 95-8
  - ...flight inspection, evaluation, 95-18
  - ...flight manuals, 91-7
  - ...flight training devices, 94-25, 95-6
  - ...floor proximity marking systems, 98-2
  - ...GPS displays, 98-9, 98-12, 99-9, 99-13, 99-26, 00-4, 03-17
  - ...head impact kinematics, 92-20
  - ...Highway-in-the Sky (HITS) display, 00-31
  - ...information sharing, safety reports, 07-7
  - ...inspection, 89-9, 94-12, 95-14
    - visual standards used for inspectors, 05-21
  - ...instrument display, 75-12, 98-28, 00-8, 00-31
  - ...interior wall padding and neck injury potential, 93-14
  - ...landing, simulated night approaches, 77-12, 78-15, 79-4, 81-6
  - ...life preserver retrieval, 03-9
  - ...maintenance, 89-9, 90-14, 91-16, 92-3, 93-5, 93-15, 94-12, 95-14, 95-31, 96-2, 05-21, 07-25
  - ...medical incidents inflight, 00-13
  - ...neck injury potential, 93-14
  - ...NEXRAD display, 04-5
  - ...noise effects measurement, 71-1, 72-32
  - ...noise effects on birds, 62-4
  - ...noise levels, 68-21, 68-25, 70-6
    - and pilot hearing thresholds, 05-21
  - ...nongyrosopic blind flight instrument, 66-32
  - ...oxygen system design, 78-9, 04-3
  - ...ozone concentrations and effects, 79-20, 80-9, 89-13
  - ...padding for crash protection, 66-40
  - ...passenger safety information, 04-19, 08-20
  - ...performance characteristics, perceived by ATCSs, 00-24, 03-8
  - ...propeller paint schemes conspicuity, 78-29
  - ...radioactive material shipments, 82-12
  - ...readability of emergency signs in smoke, 79-22
  - ...restraint installation, 66-33, 67-13, 72-15
  - ...restraint system evaluation, 69-3, 69-4, 69-5, 71-12, 72-3, 72-6, 78-6, 78-12, 78-24, 79-17, 80-3, 81-10, 82-7, 94-19, 95-2, 95-30, 98-11, 99-5
    - inflatable restraint, 07-13
  - ...seat cushion flotation, 66-13, 98-19
  - ...seat evaluation, 78-6, 78-24, 79-17, 80-3, 81-10, 82-7, 83-3, 90-11
    - side facing, 69-13, 07-13
  - ...seat impact injuries, 66-18, 72-15, 89-3
  - ...simulator operation using drugs, 64-18
  - ...SST anticollision lights, 70-9, 70-15, 71-42
  - ...stall warning device, 66-31
  - ...standards for advanced aerospace systems, 71-33
  - ...sunscreen-treated windows, 78-28
  - ...toxicity of engine oil thermal degradation, 83-12
  - ...unmanned aircraft, 04-24, 06-8, 07-3, 07-8, 08-23
-

- ...warning signals and pilot hearing thresholds, 05-12
- ...water spray system, 98-4
- ...wheel-well passengers, 96-25
- ...windscreens, radiation transmission and pilot vision, 07-20, 08-15

**Airport**

- ...cues for approach and landing, 79-4, 79-25, 81-6, 82-6
- ...medical services, 65-3, 71-10
- ...precautionary emergency evacuation data, 99-30
- ...weather information upgrades, (SAER and ITWS), 07-28

**Airway facilities personnel**

- ...human factors, 94-5
- ...job attitudes, 77-21, 79-11, 83-7

**Airway Science Curriculum Demonstration Project**

- ...air traffic control specialists, 91-18
- ...initial evaluation, 88-5

**Airworthiness Inspectors**

- ...assessment of job performance, 87-4

**Alcohol**

- ...accidents and pilots with prior alcohol offenses, 08-22
- ...alcoholic airline pilot rehabilitation, 85-12
- ...altitude effects, on blood levels, 70-5
  - on performance, 68-18, 79-26, 82-3, 85-5, 88-2
- ...ataxia test battery effects, 79-9
- ...complex performance effects, 66-29, 69-14, 72-4, 79-7, 85-5, 88-2, 94-24, 95-3, 95-7
- ...congener effects, 79-7, 79-9
- ...detection methods, 83-2, 91-12, 04-13, 07-22
- ...disorientation-related responses, 71-6, 71-16, 71-20, 71-34, 71-39, 72-34
- ...findings in general aviation accidents, 66-27, 66-29, 68-16, 69-2, 78-31, 80-4, 95-28, 98-5, 00-21, 04-13, 05-20, 08-22
- ...hangover effects, 79-7, 79-26
- ...instrument flight performance effects, 72-4
- ...low doses and performance, 94-24, 95-3, 95-7
- ...postmortem, in fatal accidents, 92-24, 98-5, 03-18, 04-4, 04-13, 07-22, 08-22
- ...problem solving effects, 72-11
- ...readiness to perform testing, 93-13, 95-24
- ...tests for alcoholism after intoxication in non-alcoholics, 83-2
- ...thalamic activity effects, 78-2
- ...visual functions effects, 78-2, 79-15

**Altitude**

- ...alcohol effects, 68-18, 79-26, 82-3, 85-5, 88-2
- ...antihistamine effects on performance, 68-15

- ...antihistamine-decongestant preparations effects, 78-19, 78-20
- ...blood alcohol levels effects, 70-5
- ...blood donation effects on tolerance, 84-4
- ...chamber reactions, 77-4, 90-12
- ...civilian training need, 91-13, 03-10
- ...cosmic radiation, at SST altitudes, 71-26, 80-2
- ...cosmic radiation, crewmembers and passengers, 92-2, 00-33, 03-16, 05-14
  - SST altitudes, 71-26, 80-2
- ...decompression hazards, 67-14, 70-12, 99-4
- ...decompression, performance after, 66-10
- ...heat effects on performance, 71-17
- ...human tolerance, 62-6
- ...marihuana effects on performance, 75-6
- ...oxygen masks, efficiency of, 62-21, 66-7, 66-9, 66-20, 67-3, 67-9, 72-10, 79-13, 80-18, 85-10, 89-10, 93-6, 98-27
- ...oxygen need, 66-28, 78-9
- ...ozone concentrations and effects, 79-20, 80-9
- ...penetrating eye injuries effects, 62-12
- ...performance effects, 66-15, 71-11, 82-3, 82-4, 82-10, 83-15, 85-3, 85-5, 88-2, 97-7, 97-9
- ...portable oxygen system, 98-27
- ...propranolol effects on tolerance, 79-10, 80-10
- ...smokers, effects on, 97-7
- ...tolerance after crash diet, 81-2, 81-8
- ...tolerance of beta blocked hypertensives, 92-19
- ...tolerance with pulmonary disease, 77-16
- ...tolerance with sickle cell trait, 76-15, 78-30
- ...visual fields effects on glaucoma patients and the elderly, 91-1
- ...work tolerance effects, 63-33, 82-3
- ...wheel-well stowaways, 96-25

**Animal transportation**

- ...freezing and subfreezing temperature effects on dogs, 87-3
- ...heat and humidity effects on dogs, 77-8, 81-11, 84-5, 87-8

**Anthropometry**

- ...forensic, 79-2
- ...adult face, 78-14, 93-10
- ...adult female, 83-16
- ...air traffic controllers, 65-26
- ...center of gravity, 62-14, 65-23, 69-22
- ...faces of children for oxygen mask design, 66-9
- ...female crewmember facial anthropometry, 83-14
- ...flight attendants, 75-2, 75-13
- ...flight inspection pilots and technicians, 95-18
- ...head and face of adults, 93-10
- ...human pelvis, 82-9
- ...shoulder slope, 65-14
- ...weight distribution when sitting, 62-1

**Anthropomorphic dummies**

- ...criteria for crashworthiness, 96-11
- ...design, 82-9, 83-16
- ...evaluation, 78-6, 78-24, 79-17, 83-3
- ...3- and 6-year-old dummies, 76-9
- ...thoracic mass, determination, 96-7

**Anticollision lights**

- ...effects of backscatter, 72-8
- ...exposure effects under simulated IFR conditions, 66-39
- ...SST, 70-9, 70-15, 71-42

**Aphakia**

- ...accident risk assessment, 95-11
- ...incidence in airmen, 91-14, 92-14

**Arousal**

- ...by distracting stimuli, 71-7
- ...nystagmus effects, 62-17
- ...simulated radar control task, 75-8, 77-18, 81-12, 88-1
- ...vestibular responses effects, 63-29

**Attention**

- ...anticollision observing responses, 73-6
- ...auditory distraction effects, 72-14
- ...conspicuity of flashing and color targets, 90-3 –target blink amplitude, 97-10, 99-8
- ...personality and physiological correlates, 73-14
- ...self-estimates of distractibility, 72-25
- ...psychophysiological indices, 99-28
- ...simulated radar task, 77-18, 78-11, 79-12, 80-17, 81-12, 82-1, 82-16, 86-4, 88-1, 89-1
- ...switching in readiness to perform, 95-24
- ...time-sharing ability, 76-1, 78-33
- ...visual taskload effects on CFF change during complex monitoring, 85-13
- ...visual taskload effects on complex monitoring, 88-1, 90-3, 94-26, 95-23, 96-9, 99-28

**Audiology**

- ...advanced and ATC selection, 90-13
- ...auditory fatigue, 63-19, 65-1, 65-2
- ...binaural beat perception, 63-17
- ...cockpit noise intensities, 68-21, 68-25
- ...ear-protector ratings, 73-20, 75-11
- ...earphone transient response, 63-7
- ...hearing threshold, pilots vs. non-pilots, 05-12
- ...interaural intensity difference limen, 67-10
- ...noise audiometry, 71-1
- ...noise effects on aircrew personnel, 72-32
- ...speech intelligibility improvement, 70-6, 72-31, 73-13, 76-3
- ...table of intensity increments, 66-4
- ...temporary threshold shift, 79-16

**Automation**

- ...advanced, and ATCS selection, 90-13, 92-26, 97-19, 98-23
- ...boredom and monotony as stressors, 80-1
- ...complacency on radar monitoring task, 82-1
- ...complex monitoring performance predictors, 80-17, 86-4
- ...flight progress strips, 92-31, 94-3, 95-8, 96-5
- ...general aviation, pilot responses to autopilot malfunctions, 97-24
- ...information complexity measures and design implications, 04-17, 07-26, 08-18
- ...physiological stress in controllers, 82-17
- ...radar performance with and without computer aiding, 89-1
- ...recovery of radar monitoring performance following startle, 83-13
- ...visual taskload effects on CFF change during complex monitoring, 85-13
- ...visual taskload effects on complex monitoring, 88-1

**Aviation maintenance**

- ...human factors, 89-9, 90-14, 91-16, 92-3, 93-5, 93-15, 94-12, 95-31, 96-2, 07-25
- ...visual standards and tests used for inspectors, 05-21

**Aviation medical examiners**

- ...and drug testing program, 92-15
- ...exams of first-class certificate holders by senior AMEs, 71-38
- ...performance, 84-7

**Ballistocardiography**

- ...bibliography, 65-15
- ...research and current status, 64-12
- ...stroke volume relationship, 65-8

**Behavioral types**

- ...coronary-prone Type A and complex monitoring performance, 86-4
- ...Type A and ATCS training performance, 94-13

**Benzodiazepines**

- ...analysis in forensic urine samples, 96-14

**Birds**

- ...possible sonotropic effects of a commercial air transport, 62-4

**Blood**

- ...altitude effects on alcohol levels, 70-5
- ...autoregulation of renal flow, 63-32
- ...cerebrovascular disease detection, 65-4
- ...cholinesterase measurement, 67-5
- ...clot dissolution therapy, 64-5

- ...comparison of methods, serum cholinesterase  
70-13, 72-12
- globin-RNA reduction, 07-9
- ...cyanide, 94-7
- ...donation effects, 84-4
- ...erythrocyte volume spectra, 63-8
- ...gene expression profiles, maintenance after blood  
storage, 04-1
- ...hemoconcentration with endrin poisoning, 66-11
- ...oxygen saturation, 66-7, 66-15, 66-20, 67-3, 67-9
- ...phospholipids, 71-2, 73-21, 73-22
- ...plasma catecholamine determination, 66-6, 71-15
- ...pressure changes, in ATC population, 71-19,  
72-20, 78-39, 84-3
- in third-class certificate holders, 72-26
- ...pressure levels of active pilots, 84-3
- ...pressures by rapid indirect method, 70-21
- ...pulmonary flow with glyceryl trinitrate, 64-11
- ...pulmonary thromboembolism, 64-7
- ...sickle cell disease and trait, 76-15, 78-30, 80-20
- ...storage stability of human blood cholinesterases,  
70-4
- ...tests for alcohol abuse, 83-2

**Cabin safety**

- ...cabin simulator, experimental, 97-18
- ...cabin ventilation flow fields, 04-7, 06-27
- decontamination with vaporized hydrogen  
peroxide, 06-10
- ...computer evacuation models, 94-11, 97-20
- ...data bank, 79-23, 82-8
- ...passenger safety information, availability, 04-19
- comprehension of, 08-20
- ...subject index, 84-1, 85-1

**Caloric irrigation**

- ...after habituation to rotation, 63-13
- ...alcohol effect on response, 71-6
- ...arousal effects on nystagmus, 62-17
- ...elicitation of secondary nystagmus, 63-3
- ...nystagmus after habituation, 63-14, 64-14, 65-19,  
67-2

**Canes**

- ...used by blind passengers, 80-12

**Carbon monoxide**

- ...carboxyhemoglobin standards, 98-21
- ...cause of aircraft accidents, 68-16, 69-2, 82-15,  
00-9, 05-9
- ...levels in aircraft accident victims, 70-16, 80-11,  
00-9
- ...relative toxic hazards of materials, 77-9
- ...times to incapacitation of rats, 89-4, 93-7

**Cardiovascular**

- ...age and physical training effects, 63-18, 64-1
- ...antihistamine-decongestant preparations effects,  
78-20
- ...ballistocardiographic research, 64-12, 65-8, 65-15
- ...blood donation effects, 84-4
- ...blood pressure measurement, 66-16, 66-36, 70-21,  
84-3
- ...cerebrovascular disease detection, 65-4
- ...changes in ATC population, 71-19, 72-20, 78-39,  
84-3
- ...changes in third-class certificate holders, 72-26
- ...coronary heart disease detection, 74-6, 78-38
- ...dextroamphetamine effects on heart rates, 75-14
- ...endrin effects, 63-16, 66-11
- ...evaluation with treadmill and step test, 64-3
- ...function in aviation stress protocol, 78-5
- ...glyceryl trinitrate effects on pulmonary  
vasculature, 64-11
- ...health, age, and performance, 64-4
- ...heart rates, in air tanker pilots, 68-26
- in ATCSs, 71-2, 73-21, 73-22, 74-11
- in student pilots, 67-15, 69-12
- with complex vigilance tasks, 69-8, 75-8, 86-4
- with instrument approaches, 70-7, 71-24, 75-12
- with simulated sonic booms, 71-29
- ...incapacitation, in-flight, 87-7
- ...physiological responses on cross-country flights,  
71-23
- ...post mortem findings after accidents, 69-18, 80-8,  
85-6
- ...prediction of heart rates under stress, 69-7
- ...prevalence among civil airmen, 89-2
- ...problems associated with aviation safety, 78-38
- ...recognition of posterior infarction, 64-19
- ...rehabilitation after infarction, 64-2, 66-17, 66-21
- ...responses to hyperpyrexia, 64-8
- ...rheoencephalography and cerebrovascular disease,  
65-4, 67-11
- ...risk factors, 90-7
- ...startle effects on heart rates, 69-21
- ...stress effects on heart rates, 68-17
- ...thromboembolic disease treatment, 64-5
- ...transducer for heart sounds, 68-3

**Case reports**

- ...ethanol origin in postmortem urine, 04-13, 07-22,  
08-22
- ...in-flight loss of consciousness, 63-21
- ...insecticide exposure, 63-24
- ...methamphetamine involvement in a pilot fatality,  
03-22
- ...physical conditioning after infarction, 66-21
- ...pulmonary thromboembolism, 64-7



- ...quinine elimination, 94-16
- ...rheoencephalography in cerebrovascular disease detection, 65-4
- ...seizures in flight, 64-6

**Center of gravity**

- ...adults, 62-14
- ...children, 65-23
- ...infants, 69-22

**Certification, aeromedical**

- ...Aeromedical Scientific Information System, 08-1
- ...airmen attrition, 72-13, 73-8
- ...alcoholic airline pilots rehabilitation, 85-12
- ...analysis of denial actions, 68-9, 74-5, 76-10, 78-25, 80-19, 83-5, 84-9, 85-9, 86-7, 90-5
- ...aphakia, 91-14, 92-14, 93-11, 95-11
- ...aviation medical examiner performance, 84-7
- ...color vision, tests, 67-8, 83-11, 85-7, 90-9, 93-17, 95-13, 96-22
  - X-Chrom lens, 78-22
- ...contact lens use, 90-10, 00-18
- ...diabetic conditions, glucose concentrations in transportation accidents, 00-22
- ...disease prevalence and incidence, 73-8, 81-9, 84-8, 89-2, 90-7
- ...errors in height and weight data, 73-10
- ...estimate of active airmen, 68-5
- ...exams of first-class certificate holders by senior AMEs, 71-38
- ...gender differences in refractive surgery, 00-23
- ...glare, 94-15
- ...glaucoma, 91-1
- ...intraocular implants, 92-14, 93-11
- ...medications found in postmortem and medical history, 06-12
- ...neuropsychological screening of airmen, 92-11
- ...photorefractive keratectomy, 98-25
- ...procedures, 71-25, 82-14
- ...refractive surgery, 00-19, 00-23, 06-9
  - gender differences, 00-23
  - radial keratectomy, 98-25, 00-19, 06-9
  - radial keratotomy, 99-6, 00-19, 06-9
- ...rheoencephalography and cerebrovascular disease, 65-4, 67-11
- ...sickle cell disease and trait, 76-15, 80-20
- ...suicides, aircraft-assisted in general aviation pilots, drug involvement, 06-5
- ...tests for alcohol abuse, 83-2
- ...unmanned aircraft pilots, 07-3
- ...vision restrictions and pilot demographics, 04-6
- ...vision standards and screening tests used with aircraft maintenance personnel, 05-21

**Charts**

- ...readability, 77-13, 78-17

**Circadian periodicity**

- ...bibliography of shiftwork research, 83-17
- ...disruption of intercontinental flights, 65-16, 65-28, 65-29, 65-30, 68-8, 69-17
- ...effects of shifts in wake-sleep cycle, 75-10, 76-11, 86-2
- ...excretion of magnesium and calcium, 68-4
- ...rotating shiftwork, 86-2, 99-2

**Civil Aerospace Medical Institute (CAMI)**

- ...Aeromedical Scientific Information System for Aviation Safety, 08-1
- ...historical vignettes, prefaces to 87-1, 97-1, 98-1, 01-1, 03-1, 05-1, 07-1
- ...history of aeromedical research contributions, 05-3

**Clothing**

- ...effects on drag forces, 63-9

**Cold**

- ...effect on dogs shipped by air transport, 87-3
- ...effect on manual performance, 68-13
- ...exposure after water spray, 98-4
- ...skin temperature to predict tolerance, 71-4
- ...thermal balance, 66-23
- ...thermal protection by life preservers, 85-11

**Color**

- ...air traffic control displays, status of, 06-11, 07-5, 07-10, 07-24
- ...conspicuity of radar targets, 90-3
- ...highlighting targets, 92-6

**Color vision**

- ...air traffic control specialists performance, 83-11, 06-6, 06-11, 06-15, 06-22
- ...air traffic control workgroup sample, 06-2
- ...clinical tests as predictors of practical tests, 73-18, 75-1, 92-28, 92-29, 95-13, 96-22, 04-9
- ...defective, and color highlighting, 92-6
  - and radar displays, 06-22
  - and signal lights, recognition, 71-27, 71-32
- ...impairment by sunscreen materials, 78-28
- ...tests, 67-8, 85-7, 90-9, 93-17, 95-13, 96-22
  - tests used for maintenance inspectors, 05-21
- ...test illuminant, 93-16
- ...X-Chrom lens for improving, 78-22

**Communication**

- ...ATC/pilot, CDTI effects, 03-13, 04-11
  - voice, 93-20, 95-15, 96-26, 98-17, 98-20, 99-21, 05-19, 06-25
- ...binaural beat perception, 63-17
- ...earphone response, 63-7

...English language proficiency, 08-19, 08-21  
...interaural intensity difference limen, 67-10  
...light aircraft, 72-31  
...organizational, and technology change, 99-25  
...predictor for empowerment, 98-24  
...role in aircraft maintenance and inspection, 90-10  
...role in promoting change within Airway Facilities Service, 83-7  
...speech intelligibility improvement, 70-6, 72-31, 73-13, 76-3  
...table of intensity increments, 66-4  
...tactile, 62-11, 62-16  
...voice, methods and metrics, 96-10, 96-20, 06-25  
...Voluntary Aviation Safety Information-Sharing Process (VASIP), 07-7

#### Contact lenses

...epidemiological study of certification, 90-10  
...monovision and airline accident, 00-18

#### Cosmic radiation

...air carrier crew, exposure of, 80-2, 92-2, 00-33, 03-16, 05-14

#### Crashworthiness

...dummy criteria, 96-11  
...energy-absorbing seat effectiveness, 83-3, 90-11  
...head impact and interior walls, 92-20, 93-14  
...occupant survival in general aviation accidents, 81-10, 82-7, 83-8, 98-3

#### Deceleration

...bibliography, 63-30  
...cockpit dealthalization, 66-3, 66-12, 72-6, 72-7, 72-15, 81-10  
...head impacts while wearing restraint systems, 72-6  
...human tolerance, 62-6, 83-3  
...illumination effects during angular deceleration, 68-28  
...impact injuries in pregnancy, 68-6, 68-24  
...kinematics of human body, 62-13  
...padding for crash protection, 66-40  
...rearward-facing seats, 69-13  
...restraint systems, 67-13, 69-3, 69-4, 69-5, 69-13, 72-3, 72-15, 80-3, 81-10, 82-7, 83-8, 99-5  
...seat impact injuries, 66-18, 72-15, 81-10, 82-7  
...side-facing seats, 69-13  
...survival of extreme vertical impacts, 62-19  
...survival of free-fall impacts, 63-15  
...survival of water impacts, 65-12  
...tolerances of face, 65-20

#### Decision-making

...employee participation in, 91-10, 92-13, 92-17  
...“expert” pilot model, 97-6  
...perceptions of aircraft performance characteristics by ATCSs, 00-24

...personal minimums tool, 96-19, 98-6  
...skills in pilots, 98-7  
...training in pilots, 87-6, 96-19, 98-6, 08-3  
...weather information, use of, 97-3, 97-23, 04-5, 08-3, 08-6, 08-7, 08-12  
...willingness to take off into marginal weather, 05-7, 05-15, 07-4, 08-12

#### Decompression

...altitude chamber experience, 77-4, 90-12  
...effects on performance, 66-10  
...effects of propranolol on TUF, 79-10, 80-10  
...need for civilian training, 91-13, 03-10  
...oxygen mask evaluation, 66-20, 67-3, 72-10, 79-13, 80-18, 96-4, 98-27, 00-6  
...pressurized small aircraft, 67-14  
...supersonic transports, 99-4  
...tolerable profiles for SST, 70-12

#### Depth perception

...general, 62-15, 63-10, 63-20, 63-28, 64-13, 65-11, 65-32, 66-22, 66-24, 67-18, 67-20  
...light adaptation device, 66-38  
...monovision contact lenses in airline accident, 00-18

#### Diet

...human tolerance, effects, 81-2  
...performance, effects, 81-8

#### Disorientation

...accidents due to, 78-13, 95-1, 96-21  
...adaptation, 65-18, 65-24, 66-37, 67-2, 67-6, 67-7, 67-12, 67-19, 68-2, 68-28, 69-20, 74-3  
...alcohol effects, 71-6, 71-16, 71-20, 71-34, 71-39, 72-34  
...familiarization techniques, 70-17, 77-24  
...visually induced, 69-23, 70-2, 71-22

#### Distraction

...auditory distraction and performance, 72-14  
...laser illumination, 03-12, 04-9, 06-23, 08-14  
...susceptibility, measurement of, 72-25

#### Ditching

...flotation and survival equipment studies, 78-1, 85-11, 03-9, 04-12  
...frequency of occurrence, 98-19  
...infant flotation device, 71-37, 91-6  
...seat cushion flotation, 66-13, 95-20  
...water survival training programs, 98-19

#### DNA

...detection of postmortem alcohol-producing microorganisms, 00-16  
...forensic genotyping, gender discrimination, 08-8  
...functional genomics, 08-5  
...identification of forensic specimens, 06-14

...profiling for quality assurance, 98-18, 99-14

### Drugs

...aircraft accidents, role of, 68-16, 78-31, 85-8, 92-23, 94-14, 95-28, 96-14, 97-14, 98-10, 98-18, 99-29, 00-20, 00-21, 03-7, 05-20, 07-12, 08-10  
 –quality assurance of forensic findings, 99-11, 99-15, 04-15, 07-23  
 ...antiemetics, interaction with sedatives, 07-29  
 ...antihistamine effects, at altitude, 68-15, 78-19, 78-20  
 –on cognitive performance, 99-20  
 –on shiftwork performance, 97-25  
 ...antimotion sickness, 81-16, 82-19  
 ...atropine, and performance, 93-19  
 –and Phosdrin effects on vision, 73-4  
 ...benzodiazepines, forensic analysis, 96-14  
 ...butalbital, forensic analysis, 00-29  
 ...cocaine, forensic analysis, 03-23, 03-24  
 ...chlordimeform toxicity, 77-19  
 ...chlorpheniramine, forensic analysis, 99-29  
 ...complex performance effects, 69-9  
 ...detection and identification, 92-25, 96-17, 97-14, 98-18, 04-15, 05-8, 05-10, 05-11, 05-20, 06-3, 06-12, 06-17  
 ...dextroamphetamine, effects during angular acceleration, 73-17, 76-12  
 –effects during sleep loss, 75-14  
 ...enantiomeric analysis of ephedrines and norephedrines, 05-8  
 ...fatigue, and use, 63-12, 75-14  
 ...fluoxetine (Prozac), distribution in postmortem samples, 07-15  
 ...glyceryl trinitrate effects on pulmonary vasculature, 64-11  
 ...internal standard intensity, negative vs. inconclusive specimen reports, 07-23  
 ...lithium carbonate effects on performance, 77-17  
 ...marihuana, 73-12, 85-8  
 ...marihuana and altitude effects on performance, 75-6  
 ...melatonin, 98-10  
 ...methamidophos poisoning, 78-26  
 ...methamphetamine, forensic finding, 03-22  
 ...opiate determination (vs. poppy seed use) in post-mortem sample, 05-11  
 ...orthostatic tolerance effects, 63-34  
 ...performance effects in aircraft simulator, 64-18  
 ...post-mortem findings and medical history, 06-12, 07-19  
 ...propranolol, effects on altitude tolerance, 79-10, 80-10  
 –quantitation, 05-10  
 ...readiness to perform testing, 93-13

...secobarbital effects during angular acceleration, 73-17  
 ...selective serotonin reuptake inhibitors, postmortem, 03-7, 07-19  
 ...selegiline metabolites, 97-14  
 ...sildenafil (Viagra), method for detecting in postmortem samples, 00-20, 06-3  
 ...testing programs and AMEs, 92-15  
 ...tranquilizer, effects on body temperature, 63-23, 66-14  
 –use in flight training, 69-12  
 –use in pilots compared to general population, 08-10  
 ...triamterene in fatal accident, 92-23  
 ...Vardenafil (Levitra), method for detecting in post-mortem samples, 06-17  
 ...visual reflexes effects, 79-15  
 ...work capacity effects, 63-34

### Earphones

...headset interference tones, 92-4  
 ...transient response, 63-7

### Earplugs

...ratings, 73-20, 75-11

### Education

...aircraft passengers, safety briefing cards and pictorials, 08-20  
 ...aviation medical examiners, 84-7  
 ...factor, in air traffic controller selection, 76-6, 96-6  
 –in air traffic controller success, 76-6, 83-6

### Electrocardiogram

...amplitude/frequency analysis, 74-6  
 ...diagnosis of posterior infarction, 64-19

### Energy

...cost of treadmill work, 62-5  
 ...energy-absorbing seat effectiveness, 83-3, 90-11

### Environment

...aerospace, commercial passengers, medical screening guidance, 06-1  
 ...cabin ventilation, flow fields, 04-7  
 –computational fluid dynamics for predictions, 06-27  
 –decontamination with vaporized hydrogen peroxide, 06-10, 08-2, 08-4  
 ...cargo compartments, 81-11  
 ...effects of mass air transportation, 71-10

### Equipment

...air traffic control displays and color vision, 06-2, 06-6, 06-11, 06-15, 06-22, 07-5, 07-10, 07-24  
 –information complexity, 07-26  
 ...air traffic situation assessment (SATORI), 93-12  
 ...alcohol detection, 91-12

...anthropometry in design, 65-26, 75-2  
 ...anticollision lights, 66-39, 70-9, 70-15, 71-42, 72-8  
 ...ARTS-III effects on controller stress, 76-13  
 ...attitude indicators, equivalence tests, 05-23  
 ...automation design, measures of information complexity, 04-17, 07-11, 08-16  
 ...blood pressure measurement, 66-16, 70-21  
 ...Cockpit Display of Traffic Information (CDTI), 00-30, 03-2, 03-5, 03-13, 04-11, 04-20, 07-30  
 ...cockpit design, unmanned aircraft, 07-8  
 ...compact instrument display, 75-12  
 ...crew smoke-protective devices, 76-5, 78-4, 78-41, 83-14, 89-8, 89-11, 05-18  
 ...disorientation familiarization, 70-17  
 ...Emergency Escape Breathing Device, 92-18  
 ...emergency lighting, 66-42, 79-22, 80-13, 81-7  
 ...escape slides, strength, 98-3  
 ...evaporative water loss, 67-17  
 ...fire, smoke protection, 67-4, 70-20, 78-4, 83-10, 85-10, 89-5, 89-8, 89-11, 89-12, 05-18  
 ...flotation and survival, 78-1, 85-11  
 ...GPS displays, 98-8, 98-12, 99-9, 99-13, 99-26, 00-4, 03-17  
 ...head injury criteria (HIC) test component test device, evaluation, 04-18  
 ...head-up displays, 98-28  
 ...Highway-in-the-Sky (HITS) display, 00-31  
 ...infant flotation device, 71-37, 91-6  
 ...instrument readability by senior pilots, 77-2, 77-7  
 ...lapbelt restraint in pregnancy, 68-24  
 ...life preserver retrieval, 03-9  
 ...light adaptation device, 66-38  
 ...medical kits, 91-2, 91-3, 00-13, 00-13  
 ...NEXRAD display, 04-5  
 ...nongyroscopic blind flight instrument, 66-32  
 ...oxygen, 62-21, 66-7, 66-9, 66-10, 66-20, 67-3, 67-9, 72-10, 78-4, 79-13, 80-18, 83-10, 85-10, 89-5, 89-10, 93-6, 95-17, 96-4, 98-27, 00-6, 04-3  
 ...padding for crash protection, 66-40  
 ...performance testing, 66-19  
 ...personnel lifting devices, rotorcraft, 98-13  
 ...protective, for aircraft accidents, 65-7, 66-3, 66-12  
 ...restraint systems, 67-13, 69-3, 69-4, 69-5, 72-3, 72-6, 83-8, 94-19, 99-5  
   -inflatable, 07-13  
 ...seat cushion flotation, 66-13  
 ...secondary container alternative for transportation of infectious substances, 95-29  
 ...stall warning, 66-31  
 ...transducer, 68-3  
 ...upper torso restraint acceptance, 71-12  
 ...visual displays, methods to assess complexity in air traffic control, 05-4

**Evacuation, passenger emergency**

...acoustic signals for exit location, 79-5  
 ...air carrier accidents, 62-9, 65-7, 70-16  
 ...bibliography, 63-30  
 ...blind passengers, 80-12  
 ...briefing cards (safety) comprehension of, 08-20  
 ...cabin simulator, experimental, 97-18  
 ...children, 66-42, 01-18  
 ...computer models, 94-11  
 ...ditching (evacuation into water), simulated, 04-12  
 ...Emergency Escape Breathing Device, 92-18  
 ...emergency lighting, aisle seat arm rests, 81-7  
   -exit signs, 79-22, 80-13, 81-7  
   -floor, 98-2  
 ...escape slides and platforms, 96-18, 98-3  
 ...handicapped passengers, 77-11  
 ...history of smoke/fume protective breathing equipment, 87-5  
 ...human external loads, 98-13  
 ...infants, 66-42, 01-18, 05-2  
 ...injuries, 79-6, 79-23, 82-8, 99-30, 03-15  
 ...motivation of passengers, 96-18, 04-2  
 ...passenger flow rates between compartments, 78-3  
 ...passenger safety information, availability, 04-19  
   -comprehension of, 08-20  
 ...passenger workload and protective breathing, 87-2, 89-5  
 ...precautionary, 99-30, 00-11  
 ...railroad accident, 73-1  
 ...readability of emergency signs in smoke, 79-22, 80-13, 81-7  
 ...seating configuration, 89-14, 92-27, 95-22, 03-15  
 ...simulation by computer models, 72-30, 78-23, 94-11, 97-20  
   -experimental cabin, 97-18  
 ...SST mockup tests, 70-19  
 ...size of exits in evacuation, 99-10, 04-12  
 ...tests using L-1649, 66-42  
 ...tests using protective smoke hood, 70-20, 89-12, 05-18  
 ...type III exits, 92-27, 95-22, 95-25, 03-15, 04-2  
 ...water survival training programs analysis, 98-19

**Exercise**

...auscultatory and intra-aortic pressures, 66-36  
 ...human tolerances, effects on, 82-4, 82-10  
 ...magnesium and calcium excretion, effects on, 68-4  
 ...myocardial infarction, before and after, 64-2  
   -effects after, 66-17, 66-21  
 ...tolerance at altitude, 63-33  
 ...treadmill work, energy cost of, 62-5  
 ...air traffic controller selection, 63-31, 74-8, 78-7, 83-6

- ...ATCS, correlation with age and performance, 67-1, 73-7
- ...pilots in general aviation accidents, 77-10
- ...relation to reported symptoms of ATCSs, 65-6

**Eye**

- ...age and binocular fusion time, 66-35
- ...airman visual acuity, midair collisions, 75-5
- ...alcohol effects on eye movements, 72-34
- ...anticollision lights, 66-39, 70-9, 70-15, 71-42, 72-8
- ...aphakia, prevalence in civil airmen, 91-14, 92-14, 93-11
- ...bifocal effects on radar monitoring, 82-16
- ...bright lights and visual disturbances during nighttime flight operations, 06-28
- ...contact lenses, 90-10, 00-18
- ...cockpit visual problems of senior pilots, 77-2, 77-7, 77-13, 77-14, 78-17
- ...color vision and signal lights, 71-27, 71-32, 73-18, 75-1, 78-22, 93-17, 04-14, 06-2
- ...color vision tests, for ATCS, 83-11, 85-7, 90-9, 92-28, 92-29, 95-13, 96-22, 04-10, 04-14
  - for aviation maintenance inspectors, 05-21
- ...depth perception, 63-10, 63-28, 67-20, 00-18
- ...equidistance tendency, 65-11
- ...fatigue effects on binocular fusion time, 69-1
- ...glare tests, 94-15
- ...glaucoma, visual field and altitude, 91-1
- ...laser light illumination, effects on simulator performance, 03-12, 04-9
  - incidence during flights, 06-23, 08-14
- ...lateral movements in student pilots, 67-15
- ...movements during simulated air traffic control, 94-26, 95-23, 96-9
- ...neural control of ciliary muscle, 63-5
- ...occupational vision, en route centers, 96-12, 96-27
- ...optokinetic stimulation, 70-2, 70-10, 71-22
- ...pathology in accident airmen, 81-14, 83-18
- ...penetrating injuries, 62-12
- ...photostimulation, 66-39
- ...photorefractive keratectomy, 98-25
- ...pilot demographics and vision restrictions, 04-6
- ...propeller paint schemes conspicuity, 78-29
- ...pupillary movement with fatigue, 65-9
- ...pupillary reflex with age, 65-25
- ...radial keratectomy, 98-25, 00-19, 06-9
- ...radial keratotomy, 99-6, 00-19, 06-9
- ...reaction time, flash luminance and duration, 67-24
- ...refractive surgery and aeromedical certification, 00-19, 06-9
- ...senior pilots, cockpit visual problems, 77-2, 77-7, 77-13, 77-14, 78-17
- ...simulation of objects moving in depth, 65-32

- ...size and distance perception, 62-15, 64-13, 66-22, 66-24, 67-18
- ...spatial extent, perception of, 63-20
- ...spiral aftereffect test, 64-9, 64-10, 64-17, 68-10, 69-15, 71-31
- ...target detection, highlighted, 97-10, 99-8
- ...tests for color vision, 67-8, 83-11, 93-16, 93-17, 06-2
  - tests for aviation maintenance inspectors, 05-21
- ...two-flash thresholds, 68-20, 70-15, 71-42
- ...vision through sunscreen materials, 78-28
- ...visually induced disorientation, 69-23, 70-2, 71-22
- ...windscreens, optical radiation transmittance, 07-20, 08-15
- ...X-Chrom lens for improving color vision, 78-22

**Fatigue**

- ...air tanker pilots, 68-26
- ...antihistamine-decongestant preparations effects, 78-20
- ...auditory, 63-19, 65-1, 65-2
- ...aviation activities, 65-13, 81-13
- ...binocular fusion time effects, 69-1
- ...Composite Mood Adjective Check Lists to measure in ATCSs, 71-21
- ...8- vs. 10-hr. work schedules, 95-32
- ...eye blink-rate measures, 94-17, 94-26, 99-28
- ...flight attendants, 07-21
- ...intercontinental jet flights, 65-16, 65-28, 65-29, 65-30, 68-8, 69-17
- ...mitigation with Spartase, 63-12
- ...plasma catecholamine determination, 66-6, 71-15
- ...pupillary movement with, 65-9
- ...readiness to perform testing, 93-13, 95-24
- ...shiftwork, rotating, 86-2, 99-2
  - effects on commuting risk factors before and after shift, 06-13
  - effects on wake-sleep cycle, 75-10, 76-11, 85-2, 95-12, 95-19
- ...sleep deprivation effects, 70-8, 75-14, 85-3
- ...tolerance after crash diet, 81-2
- ...tolerance after exercise, 82-4, 82-10
- ...visual, during vigilance task, 94-26, 96-9
- ...visual taskload effects on CFF change during complex monitoring, 85-13

**Federal Air Surgeon**

- ...review of 1966 program, 67-25
- ...review of 1976 program, 76-8

**Fire**

- ...crew smoke-protective devices, 76-5, 78-4, 78-14, 78-41, 83-14, 05-18

- ...effects in air carrier accidents, 62-9, 65-7, 70-16
- ...flammability of toiletries in oxygen, 63-27
- ...passenger protective breathing devices, 67-4, 70-20, 83-10, 85-10, 87-2, 87-5, 89-5, 89-8, 89-11, 89-12, 05-18
- ...smoke effects on identifying emergency signs, 79-22, 80-13, 81-7
- ...toxicity of products in aircraft fires, 7 1-41, 77-9, 85-5, 86-1, 86-3, 86-5, 89-4, 90-15, 90-16
- ...toxicity of seat fire-blocking materials, 86-1
- ...vs. non-fire, forensics, 00-9, 05-9
  - in rotorcraft accidents, 05-17

### Flight attendants

- ...anthropometry, 75-2
- ...fatigue, 07-21
- ...functional strength, 75-13
- ...injuries, cabin safety data bank, 79-23, 82-8
- ...ozone effects, 79-20
- ...water survival training programs, 98-19

### Flotation devices

- ...infant, 91-6
- ...life preserver retrieval, 03-9
- ...methods of seat cushion use, 95-20
- ...personal devices, 98-19

### Forensics (see Toxicology)

### Fuel

- ...biocidal additive, 67-21

### G forces

- ...aerobatics effects, 72-28, 82-13
- ...simulation with lower body pressure box, 79-8, 82-3, 82-4
- ...tolerance after crash diet, 81-2
- ...tolerance effects of antihistamine-decongestant preparations, 78-20

### Galactic cosmic radiation

- ...effect on air carrier crewmembers, 80-2, 92-2, 00-33, 03-16, 05-14

### Global positioning system (GPS)

- ...design considerations, 98-9, 98-12, 99-13, 99-26, 00-4
- ...effectiveness, 03-17

### Handicapped persons

- ...blind passengers, 80-12
- ...pilot positions in radar training, 80-5

### Heat

- ...altitude effects on performance, 71-17
- ...complex performance effects, 69-10, 72-17
- ...dogs shipped by air transport, 77-8, 81-11, 84-5, 87-8
- ...human tolerances, 70-22, 71-4

- ...maintenance of thermal balance, 66-23
- ...manual performance effects, 68-13
- ...measurement of evaporative water loss, 63-25
- ...tolerance limits for rats and mice, 86-8
- ...tranquilizer effects on loss and conservation, 63-23, 66-14

### Hearing

- ...acoustic signals for emergency evacuation, 79-5
- ...auditory fatigue, 63-19, 65-1, 65-2
- ...binaural beat perception, 63-17
- ...cockpit noise intensities, 68-21, 68-25
- ...conservation with earplugs, 73-20, 75-11
- ...earphone transient response, 63-7
- ...engine noise effects, pilots vs. non-pilots, 05-12
- ...headset interference tones, 92-4
- ...interaural intensity difference limen, 67-10
- ...noise audiometry, 71-1
- ...noise effects on aircrew personnel, 72-32
- ...pilots vs. non-pilots, 95-12
- ...speech intelligibility improvement, 70-6, 72-31, 73-13, 76-3
- ...table of intensity increments, 66-4
- ...temporary threshold shift, 79-16, 92-4

### Hijacking

- ...deterrence, 78-35

### History (CARI/CAMI)

- ...historical vignettes, prefaces to 87-1, 97-1, 98-1, 01-1, 03-1, 05-1, 07-1
- ...history of aeromedical research contributions, 05-3

### Human

- ...adult female anthropometry, 83-16
- ...angle of shoulder slope, 65-14
- ...body center of gravity, 62-14
- ...body kinematics on deceleration, 62-13
- ...center of gravity, 62-14, 65-23, 69-22
- ...child body models, 76-9
- ...DNA profiling, 98-18
- ...head injury criteria (HIC) component test device, evaluation, 04-18
- ...mass distribution of children, 76-9
- ...pelvis spatial geometry, 82-9
- ...physical fitness testing, 63-6
- ...responses to hyperpyrexia, 64-8
- ...survivability of free-fall impacts, 63-15, 65-12, 68-19
- ...thorax, determination of effective mass, 96-7
- ...tolerances, 62-6, 71-3, 71-4, 71-13, 81-2, 82-3, 82-4, 82-10
- ...tolerances to facial impact, 65-20, 66-12, 66-40
- ...tolerances to heat, 70-22, 71-4

**Human factors (also see: Performance)**

- ...accident reporting system — Human Factors Analysis and Classification System, 00-7, 00-28, 01-3, 03-4, 05-24, 05-25, 06-7, 06-24
- ...air traffic control operational errors/deviations, role of shiftwork and fatigue, 99-2
  - development of temporal markers to profile, 06-20
  - review of human factors literature, 06-21
  - role of age, 05-22
  - severity index, 05-5
  - evaluation of HFACS and other models to describe causes 05-25
  - strategies for reducing causal factors, 03-19, 06-20
  - time on position and transfer of position responsibility, 08-16
- ...air traffic control workload rating models, 07-6
- ...air traffic sector complexity, 00-24, 03-8, 05-16, 06-29
  - and operational errors, 98-14, 06-4
- ...Air Traffic Selection and Training (AT-SAT) simulation, 00-2, 00-12
  - operational use, 06-16, 07-14
- ...assessment of complex performance, 69-6, 69-16
- ...attitude indicators, equivalence tests, 05-23
- ...auditory startle responses, 88-4
- ...aviation maintenance, 89-9, 90-14, 91-16, 92-3, 93-5, 93-15, 94-12, 95-14, 95-31, 96-2, 05-21, 07-25
- ...aviation safety, 63-35, 66-8, 66-25, 66-27, 70-18, 71-9, 71-10, 72-2, 73-5, 80-6, 92-3, 94-5, 94-27, 99-7, 00-7, 00-28, 01-3, 03-4 04-24, 05-7, 05-15, 05-24, 05-25, 06-7, 06-8, 06-18, 06-26, 07-7, 07-16, 07-17
- ...CDTI/ADS-B operational evaluation, 00-30, 03-2, 03-5, 03-13, 04-11, 04-20
- ...CDTI/Range Monitor/Autopilot operational evaluation for approach spacing, 07-30
- ...color displays, and color defect, 06-2, 06-6, 06-11, 06-15, 06-22
  - and color analysis, 07-5, 07-10, 07-24
- ...computer training for airplane upset-recovery, 07-27
- ...crew resource management, FAA aircrews, 96-24
- ...decision making, preflight, 96-19, 97-3, 97-23, 98-7, 05-7, 05-15, 07-4, 08-6, 08-7, 08-12
- ...emergency evacuation, 65-7, 70-16, 95-25, 96-18, 94-11, 97-20, 98-19, 99-10, 99-30, 03-15
  - FAIT analysis, applied to traffic awareness in free-flight, 03-5
- ...flight attendant fatigue, 07-21
- ...flight-control problems in unmanned aircraft accident, 06-8
- ...flight progress strips, 95-4, 95-9, 96-5, 98-26, 00-5

- ...flight simulator research, 96-15, 96-16, 97-9, 97-24, 98-12, 98-28, 04-20
- ...GPS use, 98-9, 98-12, 99-9, 99-13, 99-26, 00-4, 03-17
- ...hearing thresholds of pilots and cockpit warning signals, 05-12
- ...Human Factors Analysis and Classification System (HFACS), 00-7, 00-28, 01-3, 03-4, 05-24, 06-24, 08-12
- ...human factors review, flight attendant fatigue, 07-21
  - operational error literature, 06-21
- ...information complexity, 04-17, 07-26
- ...intervention strategies for aircraft accident prevention , 06-24, 08-17
- ...JANUS technique applied to ATC operational errors, 03-21, 06-21
- ...job task taxonomy, 93-1, 95-16
- ...NEXRAD display use, 04-5
- ...operational demonstration of flight inspection aircraft, 95-18
- ...photic stimulation responses, 66-39
- ...rotorcraft personnel lifting devices, 98-13
- ...SATORI, 93-12, 97-13, 98-14
- ...safety data communication via VASIP, 07-7
- ...severe weather flying, 66-41, 97-3, 97-23, 04-5, 05-7, 05-15, 07-4, 08-12
- ...situation awareness and performance in air traffic control, 99-3
- ...target blink amplitude, attention-getting value, 97-10, 99-8
- ...unmanned aircraft, accident/incident data, 04-24
  - flight-control problems, 06-8, 07-8
  - pilot medical certification, 07-3
  - reduced sensory information, 08-23
- ...workstation design, flight inspection aircraft, 95-18
- ...vehicle operator deviations and runway incursions, 08-17
- ...visual displays, methods to assess information and cognitive complexities, 05-4, 08-18
- ...WinMine analytic tool applied to accident data, 06-26

**Hypothermia**

- ...passengers, 94-10, 95-20
- ...wheel-well stowaways, 96-25

**Hypoxia**

- ...and beta-blocked hypertensives, 92-19
- ...blood donation effects, 84-4
- ...civilian training need, 91-13, 03-10
- ...human tolerance, 62-6, 63-33
- ...interaction with marijuana, 75-6
- ...oxygen need, 66-28, 04-3

- ...performance decrement, 66-10, 66-15, 71-11, 71-17, 97-9
- ...propranolol effects, 79-10, 80-10
- ...sickle cell trait susceptibility, 76-15, 78-30, 80-20
- ...supersonic transport, decompression in, 99-4
- ...visual field and glaucoma, 91-1
- ...wheel-well stowaways, 96-25

### Identification

- ...DNA, profiling of accident victims, 98-18, 99-14
  - identification of forensic postmortem specimens, 06-14
- ...enantiomeric compositions of compounds in cold remedies, 05-8
- ...forensic genotyping and gender, 08-8
- ...sex and race diagnosis from cranial measurements, 79-2

### In-flight health care

- ...medical emergencies, 97-2, 00-13
- ...medical kits, 91-2, 91-3, 97-2, 00-13

### Illusions

- ...spiral aftereffect, 64-9, 64-10, 64-17, 68-10, 69-15, 71-31
- ...visual, 70-2, 71-22, 77-12

### Injuries

- ...agricultural aircraft accidents, 72-15, 80-3
- ...analysis in railroad accident, 73-1
- ...brain tolerances to concussion, 71-13, 74-4
- ...cabin safety data bank, 79-23, 82-8
- ...cockpit delethalization, 66-3, 66-12, 71-3, 72-7, 81-10, 82-7
- ...correlation with kinematic behavior, 62-13
- ...criteria for aircraft crashworthiness, 96-11
- ...decompression of small aircraft, 67-14
- ...emergency and precautionary evacuations, 79-6, 79-23, 82-8, 99-30, 00-11, 03-15
- ...eye, 62-12
- ...facial tolerances to impacts, 65-20
- ...head impacts while wearing restraint systems, 72-6, 92-20
- ...head injury criteria (HIC) component test device, evaluation, 04-18
- ...impact in pregnancy, 68-6, 68-24
- ...in free falls, 63-15
- ...neck, 93-14
- ...padding for crash protection, 66-40
- ...precautionary evacuations, 99-30
- ...prevention in aircraft accidents, 71-3, 94-19
- ...produced by restraint systems, 69-5, 89-3
- ...rearward-facing seats, 62-7, 69-13
- ...restraint systems to prevent, 67-13, 69-3, 69-4, 69-5, 69-13, 72-3, 82-7, 83-8, 98-11
- ...seat impacts, 66-18

- ...side-facing seats, 69-13, 07-13
- ...smoke and fire, 62-9, 70-16
- ...vertical crash forces, 62-1
- ...vertical impact in seated position, 62-19
- ...water impacts, 65-12, 68-19

### Instruments

- ...attitude indicators, 73-9, 05-23
- ...automation design, measures of information complexity, 04-17, 08-18
- ...cockpit displays of traffic information (CDTI), 00-30, 03-2, 03-5, 03-13, 04-11, 04-20, 07-30
- ...compact display, effects on performance, 75-12
- ...GPS, design considerations, 98-9, 98-12, 99-26, 00-4
  - effectiveness, 03-17
- ...head-up displays, 98-28
- ...Highway-in-the Sky (HITS) displays, 00-31
- ...NEXRAD weather display, 04-5
- ...information priorities, 00-26
- ...navigational display formats, 96-16, 00-8, 04-20
- ...radiation detection, 71-26
- ...readability by senior pilots, 77-2, 77-7

### Job attitudes

- ...air traffic controllers, 74-7, 74-12, 75-3, 79-11, 91-10, 00-17, 04-23
- ...Airway Facilities Service, 77-21, 79-11, 83-7
- ...aviation business operators, 87-4
- ...burnout, 92-7
- ...diversity training, 95-10
- ...empowerment, perceptions of, 98-24
- ...exchange ideology, 91-11
- ...FAA survey 2000, process feedback, 03-11
- ...FAA survey 2003, agency-wide work attitudes, 04-22
  - Air Traffic Organization work attitudes, 04-23
  - analysis of employee comments, 05-13
- ...gender, equity, and satisfaction, 92-9
- ...goal congruence, 92-8
- ...intent to leave job, 91-15, 06-30
- ...neuropsychological screening of airmen, 92-11
- ...organizational change, and cynicism, 99-27, 00-14
- ...organizational communications, and trust, 99-25
- ...organizational politics, perceptions of, 92-10
- ...participation in decision-making, 92-17
- ...safety behavior, 97-8
- ...safety perceptions, 99-19
- ...turnover, and intent to leave job, 91-15, 06-30

### Judgment

- ...decision-making in pilots, 97-3, 97-23, 98-7, 08-3, 08-6, 08-7
- ...preflight weather briefings, 07-4
- ...training in pilots, 87-6, 98-6, 08-3



**Kidney**

- ...autoregulation mechanism, 63-32
- ...effects of acute arterial occlusion, 63-22, 65-27
- ...effects of increased venous pressure, 62-18, 63-1
- ...effects of pesticides, 63-26, 66-11

**Lighting**

- ...cabin, 79-22, 80-13, 81-7, 98-2
- ...cockpit, 77-2, 77-13, 77-14, 78-17

**Management**

- ...crew resource, FAA flight crews, 96-24
- ...empowerment, predictors of perceived, 98-24
- ...ergonomic interventions to reduce worker stress, 99-17
- ...FAA employee attitude survey, year 2000, process feedback, 03-11
  - year 2003 agency-wide work attitudes, 04-22
  - year 2003 Air Traffic Organization work attitudes, 04-23
  - year 2003 analysis of employer comments, 05-12
- ...health awareness, survey of FAA programs, 00-3
- ...job task analysis for supervisors, 91-5
- ...matrix teams, commitment, 93-18
- ...organizational change, and cynicism, 99-27, 00-14
- ...organizational commitment, 92-21
- ...organizational communication, and technology change, 99-25
- ...training effectiveness, 75-9, 78-32
- ...training needs, 90-2
- ...turnover and intent to leave job, 91-15, 06-30
- ...Voluntary Aviation Safety Information-Sharing Process (VASIP), sharing of safety-related information, preliminary audit, 07-7
- ...workplace safety behaviors, influence on, 97-8
  - employee safety perceptions, 99-19

**Medical kits**

- ...used in flight, 91-2, 91-3, 97-2, 00-13

**Motion sickness**

- ...susceptibility, 76-14
- ...treatment effects, 81-16, 82-19

**Motivation**

- ...airway facilities personnel, 77-21
- ...factors in ATC work, 71-30, 74-12
- ...passengers, in aircraft evacuations, 96-18, 03-15, 04-2

**Neurology**

- ...alcohol effects on ataxia test battery, 79-9
- ...alcohol effects on visual functions, 78-2, 79-15
- ...brain tolerances to concussion, 71-13, 74-4
- ...central factor in auditory fatigue, 63-19
- ...chlordimeform toxicity, 77-19
- ...conditions associated with aviation safety, 81-3

- ...drug effects on performance, 64-18
- ...endrin effects, 63-16, 70-11
- ...GCRI studies, 64-1
- ...in-flight vertigo and unconsciousness, 63-21
- ...neuropsychological test battery, 92-11, 95-7
- ...nucleus rotundus, 77-22
- ...organophosphate insecticide effects, 63-24, 72-29, 73-3, 73-4, 79-15
- ...photic stimulation, 66-38
- ...pupillary movement, 65-9, 65-25
- ...rheoencephalography in cerebrovascular disease detection, 65-4, 67-11
- ...seizures in flight, 64-6
- ...spiral aftereffect test, 64-9, 64-10, 64-17, 68-10, 69-15, 71-31
- ...vestibular tests, 75-4

**Noise**

- ...aircrew personnel effects, 72-32
- ...auditory fatigue, 63-19, 65-1, 65-2
- ...birds, effects on, 62-4
- ...ear-protector ratings, 73-20, 75-11
- ...engine, and pilot vs. non-pilot hearing thresholds, 05-12
- ...intensity in aircraft cockpits, 68-21, 68-25, 95-18
- ...performance effects of simulated radar task, 79-24, 83-13
- ...performance impairment, 72-14
- ...simulated sonic boom effects, 71-29, 72-19, 72-24, 72-35, 73-16, 74-9
- ...sonic boom startle effects in field study, 73-11
- ...speech intelligibility improvement, 70-6, 72-31, 73-13, 76-3
- ...temporary threshold shift, 79-16

**Nystagmus**

- ...adaptation effects, 66-37, 67-6, 67-7, 67-12, 67-19, 69-20
- ...alcohol effects, 71-6, 71-16, 71-20, 71-34, 71-39, 72-34
- ...antimotion sickness drug effects, 81-16
- ...arousal effects, 62-17, 63-29
- ...caloric habituation, 63-14, 64-14, 65-18, 67-2
- ...dextroamphetamine and secobarbital effects, 73-17
- ...habituation to rotation, 63-13, 65-24, 68-2
- ...illumination effects during angular deceleration, 68-28
- ...optokinetic stimulation, 70-2, 70-10, 71-22
- ...secondary, elicitation by irrigation, 63-3
- ...sleep deprivation, during, 86-9
- ...translations of reports, Tech. Pub. #1, 64-16, 65-17, 66-2
- ...vertical, 68-2

**Orthostatic tolerance**

- ...alcohol effects at altitude, 82-3
- ...and beta blocked hypertensives, 92-19
- ...physical exertion effects, 82-4

**Oxygen**

- ...equipment studies, 79-13, 80-18, 89-10, 92-18, 92-22, 95-17, 98-27, 00-6, 04-3, 05-18
- ...flammability of toiletries, 63-27
- ...need at altitude, 66-28, 97-9
- ...need for training among civilians, 91-13, 03-10
- ...system design, 78-9

**Oxygen masks**

- ...crew smoke-protective devices, 76-5, 78-4, 78-14, 78-41, 83-14, 89-8, 89-11, 05-18
- ...design for children, 66-9
- ...disposable, 66-7
- ...donning time after decompression, 66-10
- ...evaluation, 62-21, 66-7, 66-20, 67-3, 67-9, 72-10, 78-4, 79-13, 80-18, 83-10, 85-10, 87-5, 89-5, 93-6, 96-4, 98-27, 00-6, 04-3, 05-18

**Ozone**

- ...chronic effects, 80-16
- ...effects under simulated flight conditions, 79-20, 80-9
- ...review of effects, 89-13

**Passengers**

- ...aerospace, commercial, guidance for medical screening, 06-1
- ...blind, cane use in emergency evacuation, 80-12
- ...briefing presentations, comprehension of safety briefing cards, 08-20
- ...child restraints, 94-19, 95-30
- ...cold/wet exposure, 94-10, 98-4
- ...commercial aerospace, guidance for medical screening, 06-1
- ...emergency evacuation, computer model, 72-30, 78-23, 94-11, 97-20
  - experimental cabin, 97-18, 03-15, 04-2
  - infants, 01-18, 05-2
  - precautionary, 99-30, 00-11
  - seating configurations, 89-14, 03-15
  - size of exits, 99-10
- ...emergency lighting, floor, 98-2
- ...flow rates between compartments, 78-3
- ...handicapped emergency evacuation, 77-11, 80-12
- ...head injury analysis, 92-20
- ...human external loads, rotorcraft, 98-13
- ...illness and injuries, cabin safety data bank, 79-23
- ...injuries, during emergency evacuation, 79-6, 79-23, 03-15
  - during precautionary evacuation, 99-30
- ...medical kits, use of, 91-2, 91-3

- ...neck injury analysis, 93-14
- ...oxygen masks, 79-13, 80-18, 95-17, 96-4
- ...ozone effects, 80-9, 89-13
- ...protective breathing devices, 67-4, 70-20, 83-10, 85-10, 87-2, 87-5, 89-5, 05-18
- ...safety information, availability, 04-19
  - comprehension of, 08-20
- ...sport parachutists, 98-11
- ...water spray exposure, 98-4
- ...wheel-well stowaways, 96-25

**Patients**

- ...air transport with eye injuries, 62-12
- ...civilian air ambulance services, 71-18, 82-5
- ...human external loads, 98-13
- ...supplemental oxygen from Molecular Sieve oxygen concentrators, 92-22

**Perception**

- ...anticollision lights, 66-39, 70-9, 70-15, 71-42
- ...approach angle in simulated night landings, 81-6, 82-6
- ...auditory fatigue, 63-19
- ...binaural beat, 63-17
- ...Broca-Sulzer phenomenon, 68-27
- ...color, 67-8, 83-11, 90-9, 06-2, 06-6, 06-11, 06-15, 06-22
- ...depth, 63-10, 63-28, 65-11, 65-32, 67-20, 00-18
- ...highlighted targets on displays, 97-10, 99-8
- ...induced decrements, 93-19
- ...interaural intensity difference limen, 67-10
- ...matching loudness to flash brightness, 67-16
- ...peripheral visual cues, 68-11, 68-12, 68-22
- ...propeller paint schemes, 78-29
- ...reaction time, flash luminance and brightness, 67-24
- ...size and distance, 62-15, 64-13, 66-22, 66-24, 67-18
- ...spatial extent, 63-20
- ...spiral aftereffect, 64-9, 64-10, 68-10, 69-15, 71-31
- ...tactile, 62-11, 62-16
- ...two-flash thresholds, 68-20, 70-15
- ...vision through sunscreen materials, 78-28

**Performance (also see: Human Factors)**

- ...accident experience, physical defects, 76-7, 77-20, 79-19, 81-14, 83-18
- ...age effects, 95-3, 95-7, 99-20, 99-22
- ...age index for pilots, 77-6, 78-16, 78-27, 83-15, 85-3
- ...age 60 rule, 94-20, 94-21, 94-22, 94-23, 04-8
- ...airspace complexity, 05-16
  - and operational errors, 06-4
- ...air traffic controllers
  - age and retirement, 05-6, 05-22

- age effects, 61-1, 62-3, 65-21, 67-1, 71-36, 73-7, 81-12, 84-6, 99-18, 99-23, 05-22
- ...approach spacing using CDTI versions, 07-30
- aptitude tests for prediction, 65-19, 68-14, 71-28, 71-36, 71-40, 72-18, 79-3, 84-2, 84-6, 88-3, 89-6, 94-4, 97-15, 98-23, 99-16, 00-2, 00-12, 06-16, 07-14, 08-9
- color displays and color defect, 06-2, 06-6, 06-11, 06-15, 06-22
- color perception effects, 83-11, 90-3, 07-5, 07-10, 07-24
- communication, ATC/pilot, 93-20, 95-15, 96-10, 96-20, 96-26, 98-17, 98-20, 99-21, 01-8, 01-9, 05-19, 06-25, 07-4, 08-19, 08-21
- commuter (driving) risk factor before and after shifts, 06-13
- computer experience and AT-SAT performance, 00-2
- development of temporal markers to profile, 06-20
- evaluation, 61-1, 65-22, 98-23
- experience as predictor, 63-31
- flight service station training, 86-6
- flashing target effects, 90-3, 97-10, 99-8
- human factors literature review, operational errors, 06-21
- incident reporting, 65-10
- information complexity, measures in automation design, 04-17, 07-26, 08-18
- information and cognitive complexity assessment methods, 05-4
- job task taxonomy for en route, 93-1
- measurement in air traffic selection and training (AT-SAT) simulation, 00-2, 00-12
- memory in air traffic control, 97-22, 98-16
- military ATC students and AT-SAT performance, 08-9
- navigation displays, 00-8, 04-20
- Multiple Task Performance Battery for selection, 72-5, 74-10
- napping and night shift performance, 00-10
- operational errors, development of temporal markers to profile, 06-20
- operational errors, en route, no relation to age, 05-22
- operational errors, human factors literature review, 06-21
- operational errors, JANUS technique applied to causal factors, 03-21, 08-17
- operational errors/deviations, role of shiftwork and fatigue, 99-2
- operational errors, sector characteristics, 87-15, 06-4, 07-11, 07-18
- operational errors, time on position/transfer of position responsibility, 08-16
- pass-fail in FSS training program, 79-18
- personality factors, relation to, 70-14, 89-7, 03-20, 04-21
- radar simulator, 65-31, 75-8, 77-18, 78-11, 80-15, 80-17, 82-1, 82-16, 83-9, 83-13, 86-4, 88-4, 89-1, 90-3, 95-23
- sector characteristics, activity and complexity, 06-29
- sector characteristics and operational errors, 87-15, 06-4, 07-11, 07-18
- sex differences, 72-22
- situation awareness, 94-27, 98-16, 99-3
- strategies for reducing causal factors, 03-19
- video game experience as a predictor, 97-4
- workload ratings, subjective, 07-6
- ...airworthiness inspectors, 87-4
- ...alcohol effects, 66-29, 69-14, 71-20, 71-34, 72-4, 72-11, 72-34, 78-2, 79-7, 79-26, 82-3, 83-2, 85-5, 88-2, 94-24, 95-3, 95-7, 95-24
- ...antihistamine effects, at altitude, 68-15, 78-19
- on performance, 97-25, 99-20
- ...attitude indicators (flight instrument), 73-9, 05-23
- ...attitude questionnaires to predict under stress, 69-7
- ...aural glide slope cues for instrument approaches, 71-24
- ...aviation medical examiners, 84-7
- ...aviation safety inspectors, 07-16
- ...chronic disulfoton poisoning effects, 69-19
- ...cockpit instrument display, compact, 75-12
- Cockpit Display of Traffic Information (CDTI), 03-2, 03-5, 03-13, 04-11, 04-20
- Electronic Attitude Direction Indicator (EADI), equivalence tests, 05-23
- GPS, 98-9, 98-12, 99-9, 99-13, 00-4, 03-19
- head-up, 98-28
- Highway-in-the-Sky (HITS), 00-31
- NEXRAD weather, 04-5
- ...cognitive appraisal of stress effects, 68-17
- ...cognitive style and learning, 99-12
- ...computer-based training for airplane upset-recovery, 07-27
- ...crash diet effects, 81-8
- ...decompression effects, 66-10
- ...Designated Pilot Examiners, 07-17
- ...dextroamphetamine effects during sleep loss, 75-14
- ...distractibility effects, 72-25
- ...distracting stimuli effects, 71-7, 72-14, 06-28
- ...drug effects, during angular acceleration, 73-17, 82-19
- in aircraft simulator, 64-18

–on complex performance, 69-9, 75-14, 77-17, 78-19, 97-25, 99-20  
...eye blink-rate measures, 94-17, 94-26, 96-9, 99-28  
...flight attendant fatigue, literature review, 07-21  
...flight instructors and accidents, 96-3  
...flight simulation, 96-16, 97-9, 97-24, 98-12, 04-5, 05-23, 07-27, 08-3  
...forest fire retardant missions, effects of, 68-26  
...gender effects and antihistamine, 99-20  
...heart disease and age effects, 64-4  
...heat and altitude effects, 71-17  
...heat effects on complex performance, 69-10, 72-17  
...Human Factors Analysis and Classification System (HFACS), 00-7, 00-28, 01-3, 03-4, 05-24, 05-25, 06-7, 06-18, 06-24  
...hypoxia, decrement due to, 66-15, 71-11, 82-10, 83-15, 85-3, 85-5, 97-9  
...impairment by alcohol, 66-29, 69-14, 71-20, 71-34, 72-4, 72-11, 72-34, 78-2, 79-7, 79-26, 82-3, 83-2, 85-5, 88-2, 94-24, 95-3, 95-7, 95-24  
...instrument flying using peripheral visual cues, 68-11, 68-12, 68-22  
...intercontinental flight effects, 65-16, 65-28, 65-29, 65-30, 68-8, 69-17  
...laser illumination effects on flight simulator performance, 03-12, 04-9  
...marihuana effects, 73-12, 75-6, 85-8  
...measurement, 77-15, 78-33, 78-34, 84-2, 98-23, 99-22, 00-2, 00-5, 05-23  
...mental task effects on auditory fatigue, 65-1, 65-2  
...monotonous task correlates, 73-14, 75-8  
...noise effects on simulated radar task, 79-24  
...operational errors, human factors literature review, 06-21  
...Phosdrin effects, 72-29, 73-3  
...physical conditioning program effects, 66-17, 66-21  
...physical exercise effects, 82-4, 82-10  
...physiological measures, on perceptual-motor tasks, 69-8  
–in severe weather flying, 66-41  
...pilot practical test, ratings by new pilots and Designated Pilot Examiners, 07-21  
...pilot tracking during successive approaches, 72-9  
...pseudopilots in radar training, 80-5  
...psychophysiological indices, 99-28  
...readiness to perform, 93-13, 95-24, 97-5  
...reliability of individual subjects, 78-37  
...rotating shifts, 96-23, 99-2  
–and commuting risk factors before and after shifts, 06-13  
...shifts in wake-sleep cycle, effects, 75-10, 76-11

...signal rate effects on monitoring, 69-6, 69-16, 97-10  
...simulated autopilot malfunctions, 97-24  
...simulated glidepath indicators, 79-4, 79-25, 81-6, 82-6  
...situation assessment through re-creation of incidents (SATORI), 93-12, 97-13, 98-14  
...situation awareness, effects, 99-3, 00-31  
–FAIT analysis for free-flight environment, 03-5  
...sleep deprivation, effects, 70-8, 85-3  
–quality and ATC performance, 00-10  
...smoking effects, 80-11, 83-4, 97-7  
...sonic boom effects, 71-29, 72-19, 74-9  
...startle effects, 69-21, 73-11, 73-16, 79-24, 83-13, 88-4  
...stress-related decrements, 93-19  
...student pilots, 67-15, 69-12  
...tasks for operator-skills research, 66-19  
...teamwork training, 99-24  
...time-sharing ability, 76-1, 99-22  
...tracking and complex performance, 72-21  
...tracking, dextroamphetamine, sleep loss, 76-12  
...unmanned aircraft, 04-24, 06-8, 07-3, 07-8, 08-23  
...vehicle operator deviations, runway incursions, 08-17  
...video game experience, on ATC selection tests, 97-4  
...visual search with and without radar sweepline, 79-12  
...visual taskload effects on CFF change during complex monitoring, 85-13  
...visual taskload effects on complex monitoring, 88-1, 90-3, 95-23  
...weather information, (NEXRAD) and simulator performance, 04-5  
–preflight, 07-4, 08-6, 08-7  
...work in heat and cold, 66-23, 68-13

**Personnel, FAA (see also, Air Traffic Controllers)**

...airway facilities personnel, job attitudes, 77-21, 79-11, 83-7  
...Airway Science Curriculum Demonstration Project, evaluation of, 88-5  
...airworthiness inspectors, job performance ratings of, 87-4  
...aviation safety inspectors training, 07-16  
...biological rhythms and rotating shiftwork considerations, 86-2  
...correlates of satisfaction with training, 91-9  
...decision making, equity, and job satisfaction, 91-10  
...effectiveness of management training, 75-9, 78-32, 92-16  
...electronics technicians, 97-19

- ...employee attitude survey, year 2000, process feedback, 03-11
  - year 2003 agency-wide work attitudes, 04-22
  - year 2003 Air Traffic Organization work attitudes, 04-23
  - year 2003 analysis of employee comments, 05-12
- ...empowerment, predictors of perceived, 98-24
- ...ergonomic interventions to reduce work stress, 99-17
- ...flight inspection aircrews, crew resource management, 96-24
- ...flight service station, organizational climate, 97-12
- ...health awareness programs, survey evaluation, 00-3
- ...intent to leave job, and active turnover, 06-30
  - job satisfaction, 91-15
- ...identification of management training needs, 90-2, 92-16
- ...identification with occupation, 92-21
- ...job task analysis for FAA supervisors, 91-5
- ...job task taxonomy, en route, 93-1
- ...maintenance, 89-9, 90-14, 91-16, 92-3, 93-5, 93-15, 94-12, 95-14, 95-31, 96-2, 05-21
- ...matrix teams, 93-18
- ...organizational change, and cynicism, 99-27, 00-14
- ...organizational commitment, 92-21
- ...organizational communication, and technology change, 99-25
- ...organizational support, perceptions of, 92-13
- ...safety perceptions following safety awareness program, 99-19
- ...team implementation and diversity climate, 00-27
- ...test fairness for selection, 79-3, 96-13, 99-16

### Pesticides

- ...aerial application aircraft accidents, 66-27, 66-30, 68-16, 78-31, 80-3
- ...biochemical effects of lindane and dieldrin, 62-10, 63-4
- ...chlordimeform toxicity, 77-19
- ...cholinesterase determination, 67-5
- ...CNS, effects of organophosphates, 63-24, 69-19, 79-15
- ...comparison of serum cholinesterase methods, 70-13, 72-12
- ...dieldrin effects on liver, 66-5, 66-26
- ...endrin effects, 66-11, 66-26, 66-34, 70-11
- ...endrin, mechanisms of action, 63-16, 63-26
- ...methamidophos toxicity, 78-26
- ...organophosphates effects on reproduction, 70-3
- ...Phosdrin effects on performance, 72-29, 73-3
- ...Phosdrin effects on vision, 73-4
- ...storage stability of human blood cholinesterase, 70-4
- ...symptoms and treatment of poisoning, 62-8

### Physical fitness

- ...aerospace, commercial passengers, guidance for medical screening, 06-1
- ...age relationship, 63-18
- ...ATC students, 71-8
- ...field test for, 63-6
- ...myocardial infarction, 64-2, 66-17, 66-21
- ...neuropsychological screening, 92-11

### Physiology

- ...autonomic and performance, 93-19
- ...backscatter, responses to, 72-8
- ...blood donation effects, 84-4
- ...cabin water spray, effects on thermal behavior, 98-4
- ...crash diet effects, 81-2, 81-8
- ...evaporative water loss device, 67-17
- ...gas pressure in tissue, 63-11
- ...high altitude training, need for, 91-13
- ...hydrogen ion concentration, conversion table from pH, 68-23
- ...measures during complex task performance, 69-8, 82-10
- ...neural control of the ciliary muscle, 63-5
- ...protection at high altitude, 99-4
- ...sleep deprivation responses, 70-8, 75-14
- ...smoking withdrawal responses, 83-4
- ...thermal balance, 66-23
- ...tolerances to heat, 70-22, 71-4
- ...wheel-well stowaways, 96-25

### Pilots

- ...accident experience, physical defects, 76-7, 77-20, 79-19, 81-14, 83-18
  - prior alcohol offenses, 08-22
- ...accident predisposition, 72-2, 73-5
  - organizational factors, 00-28
- ...active population, estimate of, 68-5
- ...aerial applicator protection, 66-30, 72-15, 80-3
- ...age index, 77-6, 78-16, 78-27, 82-18
- ...age 60 rule, 94-20, 94-21, 94-22, 94-23, 04-8
- ...ages of those in aircraft accidents, 67-22, 70-18, 77-10, 94-22
- ...alcohol effects on performance, 66-29, 72-4, 79-7, 79-26
- ...alcoholic airline pilots rehabilitation, 85-12
- ...altitude tolerance with pulmonary disease, 77-16
- ...anticollision observing responses, 73-6
- ...attitudes toward safety, 95-27, 05-7
  - toward safety training, 97-16, 98-6, 99-7, 03-10, 07-17
- ...attrition, 72-13, 73-8
- ...blood donation effects, 84-4
- ...blood pressure levels, 84-3

...cardiovascular health changes in third-class certificate holders, 72-26  
 ...certification denial actions, 68-9, 74-5, 76-10, 78-25, 80-19, 83-5, 84-9, 85-9, 86-7, 90-5, 90-7  
 ...Cockpit Display of Traffic Information (CDTI), FIAT, 03-5, 03-13, 04-11, 04-20  
 ...cockpit visual problems, 77-2, 77-7, 77-13, 77-14, 78-17, 03-12  
 ...color vision and signal lights, 71-27, 71-32, 73-18, 75-1, 93-17  
 ...communication, 96-10, 96-20, 96-26, 98-17, 98-20, 99-21, 06-25, 08-19, 08-21  
   –English-language proficiency, 08-19, 08-21  
 ...computer-based flight simulator, 96-15  
 ...computer use, in meeting recency of experience flight requirements, 03-3  
   –in flight training, 94-25, 95-6, 96-8, 97-11, 07-27  
 ...control force capabilities of females, 72-27, 73-23  
 ...coronary atherosclerosis in fatal accidents, 80-8, 85-6  
 ...crew resource management, flight inspection aircrew, 96-24  
 ...decision-making skills, 98-7  
 ...decision-making training, 87-6, 96-19, 98-6, 08-3  
   –“expert” pilot training model, 97-6  
   –use of weather information, 97-3, 97-23, 04-5, 05-7, 05-15, 07-4, 08-3, 08-6, 08-7, 08-12  
 ...demographics and vision restrictions, 04-6  
 ...Designated Pilot Examiners, evaluations of, 07-17  
 ...disease prevalence and incidence, 73-8, 81-9, 84-8, 89-2  
 ...drug effects in aircraft simulator, 64-18  
 ...drug usage compared to general population, 08-10  
 ...engine noise and hearing thresholds, 05-12  
 ...exams of first-class certificate holders by senior AMEs, 71-38  
 ...experience in controller selection, 74-8  
 ...fatigue, 81-13  
 ...flight information accessed by pilots, 00-26  
 ...flight physiology training, need for, 91-13, 03-10  
 ...G effects of aerobatics, 72-28, 82-13  
 ...glare exposure and accidents, 03-6, 06-28  
 ...hearing, vs. non-pilots, 05-12  
 ...heart rates during instrument approaches, 70-7, 71-24, 75-12  
 ...heat effects on performance in a flight simulator, 72-17  
 ...judgment training, 87-6  
 ...laser light illumination incidents, 06-23, 08-14  
 ...longevity and survival of retired airline pilots, 95-5  
 ...marginal weather and willingness to take off, 05-7, 05-15, 08-6, 08-7, 08-12  
 ...marijuana in general aviation fatal accidents, 85-8

...medical standards, 71-25, 82-14  
 ...medications found postmortem and in medical history, 06-12, 07-19  
 ...navigation displays, moving map, 04-20  
   –using text and graphics, 00-8  
 ...neuropsychological screening, 92-11  
 ...noise effects on hearing, 72-32, 05-12  
 ...occupations, 69-11, 77-10  
 ...ozone effects, 80-9, 89-13  
 ...performance, on glidepath indicator systems, 79-4, 79-25, 81-6, 82-6  
   –electronic attitude-direction indicator (EADI), 05-23  
   –GPS displays, 98-9, 98-12, 99-9, 99-13, 99-26, 03-17  
   –head-up displays, 98-28  
   –Highway-in-the Sky (HITS) display, 00-31  
   –NEXRAD weather display, 04-5  
   –simulated autopilot malfunctions, 97-24  
   –two attitude indicators, 73-9  
 ...peripheral visual cue response, 68-11, 68-12, 68-22  
 ...physician accidents, 66-25, 71-9  
 ...physiological responses on cross-country flights, 71-23  
 ...physiological studies in air tankers, 68-26  
 ...prior alcohol offenses and aviation accidents, 08-22  
 ...pulmonary function, 77-3  
 ...risk factors for cardiac events, 90-7  
 ...safety climate, pilot perception of, 00-28  
 ...safety training, evaluation, 97-16, 98-6, 99-7, 03-10, 07-17  
 ...satisfaction with ATC services, 90-6  
 ...severe weather flying, 66-41, 05-7, 05-15, 08-3, 08-6, 08-7, 08-12  
 ...shoulder harness, use of, 95-2  
 ...smoking effects on performance, 80-11, 83-4  
 ...status variables with accidents, 70-18  
 ...stress, domestic-based and perceived performance, 00-32  
 ...stress in student pilots, 67-15, 69-12, 76-2  
 ...suicide, 72-2, 73-5, 06-5  
 ...tracking performance during successive approaches, 72-9  
 ...type airman certificate related to accidents, 67-23  
 ...unmanned aircraft, 04-24, 06-8, 07-3, 07-8, 08-23  
 ...vertigo, 67-19  
 ...vision and optical radiation transmission of windscreens, 07-20  
 ...visual acuity, midair collisions, 75-5  
 ...voice communication, 93-20, 06-25  
 ...workload, 77-15, 81-13

**Pregnancy**

- ...crewmember radiation exposure, 92-2, 00-33, 03-16
- ...emergency air transport, 82-5
- ...impact injuries, 68-6, 68-24
- ...organophosphate pesticide effects in rats, 70-3

**Propellers**

- ...paint schemes conspicuity, 78-29
- ...propeller-to-person accidents, 81-15, 93-2

**Protective breathing equipment**

- ...evaluation, 62-21, 66-7, 66-20, 67-3, 67-9, 72-10, 78-4, 79-13, 80-18, 83-10, 85-10, 87-5, 89-5, 93-6, 96-4, 98-27, 00-6, 04-3, 05-18

**Psychology**

- ...accident proneness, 93-9
- ...aircraft mix and traffic complexity ratings, 05-16
- ...automation and pilot performance, 97-24, 00-8
- ...aviation maintenance survey, 07-25
- ...CogScreen, neuropsychological test, age effects, 99-22
- ...cognitive complexity in an air traffic control displays, 05-4, 07-26, 08-18
- ...cognitive style and learning, 99-12
- ...Composite Mood Adjective Check List to measure stress effects, 71-14, 71-21, 73-22
- ...cultural diversity awareness training, 95-10
- ...Designated Pilot Examiners, evaluations, 07-17
- ...disability retirement, and ATC personality factors, 03-14
- ...diversity climate, 00-26
- ...empowerment, predictors of perceived, 98-24
- ...expertise method in aeronautical decision-making, 97-6
- ...FAA employee attitude survey, year 2000, process feedback, 03-11
  - year 2003 agency-wide work attitudes, 04-22
  - year 2003 Air Traffic Organization work attitudes, 04-23
  - year 2003 analysis of employee comments, 05-12
- ...flight inspection aircraft, preferences, 95-18
- ...Human Factors Analysis and Classification System (HFACS) applications, 00-7, 00-28, 01-3, 03-4, 05-24, 05-25, 06-7, 06-18, 06-24, 08-12
- ...human factors literature review, flight attendant fatigue, 07-21
  - operational errors, 06-21
- ...information complexity in ATC, 07-11, 07-26
- ...information sharing, safety reports (VASIP, FOQA, and ASAP), 07-7
- ...JANUS technique, and causal factors in ATC operational errors, 03-21
  - and runway incursions, 08-17

- ...job attitudes, airway facilities personnel, 77-21, 79-11, 83-7
- ...memory in air traffic control, 97-22, 98-16
- ...Minnesota Multiphasic Personality Inventory-2, with ATCSs, 08-13
- ...motivation in aircraft evacuation, 96-18, 03-15, 04-2
- ...Myers-Briggs personality test with ATCSs, 04-21
- ...organizational factors, 90-2, 91-5, 92-8, 92-9, 92-10, 92-13, 92-17, 92-21, 05-1294-2, 98-23, 99-25, 99-27, 00-14, 00-27, 03-11, 04-22, 04-23, 05-12
- ...PC-based training devices, 94-25, 95-6, 96-8, 96-15, 96-16, 97-11, 03-3, 07-27
- ...personality assessment, 71-35, 91-8, 93-4, 03-14, 03-20, 04-21, 08-13
- ...pilot attitudes toward safety, 95-27, 98-7, 99-7, 05-7, 05-15, 07-17, 08-3
- ...psychological autopsy, 72-2, 73-5
- ...psychophysiological indices of alertness, 99-28
- ...retirement age and air traffic controllers, 05-6, 05-22
- ...safety behaviors on the job, management influence, 97-8, 99-19
- ...safety information, sharing of via VASIP (FOQA & ASAP), 07-7
- ...Shipley Institute of Living Scale with ATCSs, 92-30
- ...situational awareness, 94-27, 97-13, 97-22, 98-16, 99-3, 00-31, 03-5, 03-13
- ...Sixteen Personality Factors test with ATCSs, 97-17, 03-14
- ...stress and anxiety in air traffic controllers, 80-14, 81-5, 89-7
- ...stress, domestic-based and perceived pilot performance, 00-32
  - physical symptoms in employees, 99-17
- ...Type A behavior, 86-4, 94-13
- ...validity coefficients in ATCS selection, 00-15
- ...vehicle operator deviations, runway incursions analyses, 08-17
- ...workload, ATC, subjective ratings and models, 07-6

**Pulmonary**

- ...disease, altitude tolerance, 77-16
- ...function testing, 64-1, 71-8, 77-3
- ...glyceryl trinitrate, vascular effects of, 64-11
- ...hyperpyrexia, responses to, 64-8
- ...ozone effects on function, 79-20, 80-9, 89-13
- ...protection from smoke, fire, 67-4, 78-4, 83-10, 83-14, 85-10
- ...thromboembolism, 64-7

**Radiation**

- ...calibration of Concorde detection instrument, 71-26
- ...cosmic, and air carrier crewmembers, 92-2, 00-33, 03-16, 05-14
- ...measurements at SST altitudes, 71-26, 80-2
- ...optical, transmittance through aircraft windscreens, 07-20, 08-15
- ...RBE of fast neutrons, 78-8
- ...transport limits for radioactive material, 82-12

**Renal function**

- ...acute arterial occlusion effects, 63-22, 65-27
- ...autoregulation mechanism, 63-32
- ...insecticide effects, 63-26
- ...venous pressure effects, increase of, 62-18, 63-1

**Research, aeromedical**

- ...Aeromedical Scientific Information System, 08-1
- ...aging studies at GCRI, 64-1
- ...aims and accomplishments, 62-20, 67-25
- ...alcohol effects review, low dose, 94-24
- ...ballistocardiography, 64-12, 65-8, 65-15
- ...beta blockers, analysis and differentiation, 04-15, 05-10
- ...bibliography of acceleration studies, 63-30
- ...bibliography of shiftwork research, 83-17
- ...butalbital, distribution of fluids and tissues, 00-29
- ...carboxyhemoglobin standard, 98-21
- ...color vision, 67-8, 71-27, 71-32, 73-18, 75-1, 83-11, 85-7, 92-6, 92-28, 92-29, 93-16, 93-17, 95-13, 96-22, 04-10, 04-14, 06-2, 06-6, 06-11, 06-15, 06-22
- ...commuting risk factors, before and after work shifts, 06-13
- ...DNA, detection of postmortem ethanol-producing microorganisms, 00-16
  - identification of forensic samples, 06-14
- ...DNA profiling, 98-18, 99-14, 06-14
- ...enantiomeric analysis of ephedrine and norephedrine, 05-8
- ...exercise, 64-2, 66-36
- ...forensic genotyping, gender discrimination, 08-8
- ...functional genomics, 08-5
- ...glucose concentration in pilot fatalities, 08-11
- ...hearing, conservation with earplugs, 73-20, 75-11
- ...history, CAMI, prefaces to 87-1, 97-1, 98-1, 01-1, 03-1, 05-1, 07-1
  - CAMI research contributions from 1,000 technical reports, 05-3
- ...index of international publications, 93-3, 07-2
- ...index of OAM reports, 63-2, 64-20, 66-1, 68-1, 70-1, 72-1, 74-1, 77-1, 79-1, 81-1, 83-1, 87-1, 90-1, 92-1, 94-1, 96-1, 97-1, 98-1, 99-1, 00-1, 01-1, 03-1, 05-1, 07-1

- ...interpretation of carboxyhemoglobin and cyanide concentrations, 05-9
- ...medical care, inflight, 00-13
- ...medical incapacitation and impairment of pilots inflight, 04-16
- ...medical incidents inflight, 00-13
- ...needs, 63-35, 71-10
- ...noise effects on aircrew personnel, 72-32
- ...opiates vs. poppy seed use, postmortem determinations, 05-11
- ...postmortem, cocaine analysis, 03-23, 03-24
  - accurate assignment of ethanol origin, 04-13, 07-22
  - distribution of fluoxetine, 07-25
  - ethanol analysis, internal standard, 98-5
  - H1 amphetamines, first generation, 07-12
  - identification of forensic specimens, 06-14
- ...plans, for NAS operator selection, 97-19
- ...quality assurance, forensic toxicology proficiency testing program, 99-11, 08-24
- ...radiation, galactic, 92-2, 00-33, 03-16, 05-14
- ...RNA, isolation from peripheral blood cells, protocol validation, 04-1
  - globin-RNA reduction protocol, comparison of methods, 07-9
- ...quinine elimination, 94-16
- ...stain test for dieldrin and endrin, 66-26
- ...standard for reporting test specimens as negative or inconclusive, 07-23
- ...translated material, Tech. Pub. #1, 64-16, 65-17, 66-2, 68-7, 71-5, 76-4, 81-4
- ...visual standards and tests used with aircraft maintenance personnel, 05-21

**Restraint**

- ...acceptance of upper torso restraint, 71-12
- ...bibliography, 63-30
- ...center of gravity, 62-14, 65-23, 69-22
- ...child, 94-19, 95-30
- ...cockpit delethalization, 66-3, 71-3, 72-6, 81-10
- ...comparison of systems, 67-13, 69-3, 69-4, 69-5, 69-13
- ...effectiveness in agricultural aircraft accidents, 72-15, 80-3
- ...evaluation, 78-6, 78-24, 79-17
- ...head impacts while wearing, 72-6
- ...infant and child systems, 78-12
- ...inflatable, 07-13
- ...kinematics with seatbelt restraint, 62-13, 92-20
- ...lapbelt effects on pregnant female, 68-24
- ...push-button buckles, 99-6
- ...shoulder harness benefits, 72-3, 82-7, 83-8
- ...shoulder harness design, 65-14
- ...sport parachutists, 98-11
- ...upper body restraint installation, 66-33



**Seat**

- ...child and infant seat evaluation, 78-12, 94-19, 95-30
- ...comfort, 62-1
- ...cushion flotation, 66-13, 95-20
- ...energy-absorbing, 83-3, 90-11
- ...evaluation, 78-6, 78-24, 79-17, 80-3, 81-10, 82-7, 83-3, 07-13
- ...fire-blocking materials toxicity, 86-1
- ...head injury criteria (HIC) component test device, evaluation, 04-18
- ...injury potential, 66-18, 71-3, 72-15, 82-7, 83-8, 89-3, 07-13
- ...pitch and evacuation, 92-27
- ...placement and Type III exits, 95-22
- ...pressure distribution, 62-1
- ...rearward-facing, injuries, 62-7, 69-13
- ...side-facing, impact injuries, 69-13
  - injury potential, 07-13

**Seatbelts**

- ...center of gravity in design, 62-14, 65-23
- ...cockpit dealthalization, 66-3, 71-3
- ...evaluation of different systems, 67-13, 69-3, 69-13
- ...impact injuries due to, 69-5
- ...impact injuries to pregnant females, 68-24
- ...kinematics of restrained subjects, 62-13
- ...push-button buckles, 99-6

**Shiftwork and shift rotations**

- ...attitudes of ATCSs, 73-2
- ...bibliography of shiftwork research, 83-17
- ...commuting risk factors before and after shifts, 06-13
- ...8- vs. 10-hour work schedules, 95-32
- ...5-day and 2-2-1 pattern, 73-22, 75-7, 95-12, 95-19, 96-23
- ...performance effects, shifts and antihistamines, 97-25
  - shifts and fatigue, 99-2
- ...review, 86-2
- ...sleep in air traffic controllers, 77-5, 95-12, 95-19, 99-2, 00-10
- ...steady and 2-2-1 shifts, 85-2
- ...symptoms reported for ATCSs, 65-5, 65-6
- ...translations of reports, 81-4

**Shoulder harness**

- ...acceptance tests, 71-12
- ...angle of shoulder slope in design, 65-14
- ...benefits, 72-3, 82-7, 83-8
- ...cockpit dealthalization, 66-3, 72-6, 81-10
- ...comparison of types, 67-13, 69-3, 69-4, 69-5
- ...effectiveness in agricultural aircraft accidents, 72-15, 80-3

- ...failures, 81-10
- ...head impacts while wearing, 72-6
- ...installation in general aviation aircraft, 66-33
- ...use of, 95-2

**Sickle cell trait**

- ...aeromedical significance, 76-15, 80-20
- ...research protocol, 78-30

**Simulation**

- ...advanced general aviation cockpit displays for visual flight procedures, 04-20, 05-23
- ...air traffic controller radar task, 65-31, 75-8, 77-18, 78-11, 79-12, 79-24, 80-15, 81-12, 82-1, 82-16, 83-9, 83-13, 90-3, 94-17, 94-26, 96-9, 99-3, 00-2, 00-5
- ...air traffic controller color perception and job performance, 83-11, 90-9, 92-6
- ...Air Traffic Selection and Training (AT-SAT), 00-2
  - and personality test scores, 03-20
- ...aircraft passenger emergency evacuation, 72-30, 77-11, 78-23, 96-18, 97-18, 00-15, 04-2, 04-12
- ...approach control and communication, 98-17
- ...autopilot malfunctions and pilot responses, 97-24
- ...aviation stress protocol, 78-5
- ...electronic attitude direction indicator, PFD equivalency, 05-23
- ...flight, PC-based, 96-15, 96-16
  - and performance, 97-9, 07-27
- ...GPS displays, 98-9, 98-12
- ...+Gz, 79-8
- ...head-up displays, 98-28
- ...Highway-in-the Sky (HITS) display, 00-31
- ...laser illumination effects on pilot responses, 03-12, 04-9
- ...movement of objects in depth, 65-32
- ...navigation display formats, 96-16
- ...NEXRAD weather displays and flight performance, 04-5
- ...night approaches to landing, 77-12, 78-15, 79-4, 81-6, 82-6
- ...operator skills research, 66-19
- ...pilot workload, 77-15, 82-10, 83-15
- ...sonic booms, 71-29, 72-19, 72-24, 72-35, 73-16
- ...stress in ground trainer use, 76-2
- ...transfer of training, 69-24
- ...visual glidepath indicator systems, 79-4, 79-25, 81-6, 82-6

**Skin**

- ...conductance with sonic booms, 71-29
- ...evaporative water loss, 63-25
- ...flammability of toiletries, 63-27
- ...galvanic skin response, 64-18
- ...tactile communication, 62-11, 62-16

### Part III: Subject Index

#### Subject and Report Number

- ...temperature to predict tolerances to heat and cold, 71-4
- ...thermal stress following cabin water spray, 98-4

#### Sleep

- ...air traffic controllers, 77-5, 95-12, 95-19, 00-10, 06-13
- ...deprivation, 70-8, 85-3
- ...dextroamphetamine effects during sleep loss, 75-14
- ...flight attendants, 07-21
- ...loss, and performance, 93-19
  - and vestibular response, 86-9
- ...shiftwork effects in sleep-wake cycle, 75-10, 76-11
- ...sonic boom effects, 72-19, 72-24, 72-35
- ...work schedule effects, 95-32, 99-2, 00-10

#### Smoke

- ...air carrier accidents, 62-9, 65-7, 70-16
- ...crew protective devices, 76-5, 78-4, 78-14, 78-41, 83-14, 89-8, 89-11
- ...emergency signs, effects on reading, 79-22, 80-13, 81-7
- ...passenger protective breathing devices, 67-4, 70-20, 83-10, 85-10, 87-2, 87-5, 89-5, 89-12, 05-18
- ...toxicity, 95-8
- ...toxicity of thermal degradation products of engine oils, 83-12

#### Smoking

- ...aviation safety, effects on, 80-11, 97-7
- ...smoking/withdrawal effects, 83-4

#### Sonic booms

- ...autonomic responses, 71-29, 72-35, 73-16, 74-9
- ...sleep, effects during, 72-19, 72-24, 72-35
- ...startle effects, 73-11, 73-16, 74-9
- ...tracking performance effects, 71-29

#### Stalls

- ...warning device, 66-31

#### Standards

- ...advanced aerospace systems, 71-33
- ...aeromedical, 71-25, 71-33, 82-14, 00-19
- ...carboxyhemoglobin, 98-21
- ...color vision for air traffic controllers, 83-11, 90-9, 04-10, 04-14, 06-2, 06-6, 06-11, 06-15, 06-22
- ...escape slides, inflatable, 98-3
- ...floor proximity marking systems, 98-2
- ...head injury criteria (HIC) component test device, evaluation, 04-18
- ...internal standard in toxicology for negative vs. inconclusive findings, 07-23
- ...neurological and neurosurgical conditions, 81-3
- ...postmortem ethanol analysis, internal standard, 98-5

#### Subject and Report Number

- accurate assignment of ethanol origin, 04-13
- ...quality assurance in forensic toxicology, 99-11, 99-15, 03-18, 04-15, 08-24

#### Stress

- ...air tanker pilots, 68-26
- ...air traffic controllers, 71-2, 71-21, 73-15, 73-21, 73-22, 74-11, 75-7, 76-13, 77-23, 78-5, 78-18, 78-40, 80-14, 82-17, 05-7
- ...assessment with State-Trait Anxiety Inventory, 72-23, 81-5, 91-8
- ...aviation stress protocol—simulation, 78-5
- ...Composite Mood Adjective Check List, to measure, 71-14, 71-21
- ...domestic-based and pilots' perceived performance, 00-32
- ...ergonomic interventions, 99-17
- ...evaporative water loss device, 67-17
- ...flight inspection crews, 81-13
- ...+Gz, 79-8
- ...heart rate and performance effects, 68-17, 69-21
- ...heart rates during instrument approaches, 70-7, 71-24, 75-12
- ...job and burnout, 92-7
- ...measurement of evaporative water loss, 63-25
- ...monotony with automation as a stressor, 80-1
- ...performance prediction by attitudes, 69-7
- ...performance under auditory distraction, 72-14
- ...physiological responses on cross-country flights, 71-23
- ...plasma catecholamine determination, 66-6, 71-15
- ...severe weather flying, 66-41
- ...situational in accident causation, 72-2, 73-5
- ...student pilots, 67-15, 69-12, 76-2
- ...symptoms reported by air traffic controllers, 65-5, 65-6
- ...urinary metabolites, 78-18, 78-40, 85-2
- ...wake-sleep cycle shifts, 75-10, 76-11

#### Suicide

- ...aircraft accident cause, 72-2, 73-5, 06-5

#### Supersonic transport

- ...anticollision lights, 70-9, 70-15, 71-42
- ...decompression profiles, 70-12, 99-4
- ...evacuation tests, 70-19
- ...radiation at SST altitudes, 71-26, 80-2
- ...sonic boom effects, 71-29, 72-19, 72-24, 72-35, 73-11, 73-16, 74-9

#### Temperature

- ...cabin, control in decontamination evaluations, 08-2, 08-4
- ...cold effects on shipped dogs, 87-2
- ...control in cabin decontamination evaluations, 08-2, 08-4

- ...changes in cold water with prototype life preserver, 85-11
- ...complex performance effects, 69-10, 71-17, 72-17
- ...dogs, heat effects during shipments, 77-8, 81-11, 84-5, 87-8
- ...evaporative water loss, 63-25, 67-17
- ...heat tolerance limits of rats and mice, 86-8
- ...human tolerance, 62-6, 70-22
- ...hyperpyrexia, 64-8
- ...liver damage effects by dieldrin, 66-5
- ...maintenance of thermal balance, 66-23
- ...manual performance effects, 68-13
- ...tranquilizer effects on body temperature, 63-23, 66-14

**Tests**

- ...air traffic controller selection, 61-1, 62-2, 65-19, 65-21, 68-14, 71-28, 71-36, 72-5, 72-18, 74-10, 77-25, 78-7, 79-3, 79-14, 79-21, 80-7, 82-11, 84-2, 84-6, 90-4, 90-8, 90-13, 91-9, 94-4, 94-9, 96-13, 97-4, 97-15, 98-23, 99-16, 99-23, 00-2, 00-12, 03-20, 06-16, 07-14, 08-9
- ...alcohol abuse, 83-2
- ...aptitude measures, of female ATCS trainees, 72-22
  - of military ATCS trainees, 71-40, 08-9
- ...Armstrong Laboratory Aviation Personality Survey, with ATCS students, 03-20
- ...ataxia, alcohol effects, 79-9
- ...ballistocardiography, 64-12, 65-8, 65-15
- ...cholinesterase activity, 67-5
- ...color vision, 67-8, 71-27, 71-32, 73-18, 75-1, 83-11, 85-7, 90-9, 92-29, 93-16, 93-17, 95-13, 04-10, 04-14, 06-2
- ...complex human performance, 69-6, 69-16, 72-5, 72-21
- ...CogScreen, age effects, 99-22
- ...Composite Mood Adjective Check List, 71-14, 71-21, 73-22
- ...correlation with experience in ATCS selection, 63-31
- ...directional headings, 72-18, 90-8
- ...distraction susceptibility, 71-7
- ...emergency evacuation, 65-7, 66-42, 70-19, 70-20, 77-11, 78-3, 79-5, 89-5, 89-14, 92-27, 95-22, 95-25, 96-18, 99-10, 01-18 03-15, 04-2, 05-2
- ...energy-absorbing seat effectiveness, 83-3, 90-11
- ...equivalence tests, EADI and PFD displays, 05-23
- ...escape slides, inflatable, 98-3
- ...fairness, 79-3, 96-13, 98-23, 99-16
- ...flight service station training, 79-18, 86-6
- ...head injury criteria (HIC) component test device, evaluation, 04-18
- ...injury potential in side-facing seats, 07-13
- ...interpretation of carboxyhemoglobin and cyanide concentration in aviation accidents, 05-9

- ...Minnesota Multiphasic Personality Inventory-2, with ATCSs, 08-13
- ...Myers-Briggs personality test, with ATCSs, 04-21
- ...NEO Personality Inventory-Revised, with ATCS students, 03-20
- ...neuropsychological battery, 92-11, 99-22
- ...performance, 66-19, 97-5, 00-2
  - age and disease, 64-4
  - and age, 65-21, 71-36, 81-12, 99-23
  - and personality factors, 70-14
  - post decompression, 66-10
  - with hypoxia, 66-15, 71-11, 82-10, 83-15
- ...personality assessment, 71-35, 93-4, 03-20, 04-21, 08-13
- ...physical fitness, 63-6, 63-18, 63-33, 64-3, 66-17
- ...practical flight test, evaluations, 07-17
- ...proficiency in post mortem forensic toxicology, 99-11, 08-24
- ...pupillary movement, 65-9, 65-25
- ...readiness to perform, 93-13, 95-24
- ...scanning and monitoring, 92-12, 94-8
- ...Shipley Institute of Living Scale, 92-30
- ...Sixteen Personality Factors test, with ATCSs, 97-17, 03-14, 03-20
- ...spiral aftereffect, 64-9, 64-10, 64-17, 68-10, 69-15, 71-31
- ...stain for dieldrin and endrin, 66-26
- ...State Trait Anxiety Inventory, 72-23, 76-13, 80-14, 81-5, 89-7, 91-8
- ...Stroop test, 71-7, 72-14
- ...supervisory, air traffic control, 92-16
- ...system for combustion toxicology, 77-9
- ...vestibular during physical exams, 75-4
- ...video game experience, 97-4
- ...visual display complexity, questionnaire assessment, 08-18

**Tobacco**

- ...effects on aviation safety, 80-11, 83-4

**Tolerance**

- ...brain, to concussion, 71-13, 74-4
- ...cold stress in dogs, 87-8
- ...decompression for SST, 70-12
- ...face, to impact, 65-20, 66-12, 66-40
- ...flight stresses, 62-6, 81-2
- ...free-fall impacts, 63-15
- ...heat for rats and mice, 86-8
- ...heat stress in dogs, 77-8, 81-11, 84-5, 87-8
- ...hot environments, 70-22
- ...hypoxia, propranolol effects, 79-10, 80-10
- ...impacts in water, 65-12, 68-19
- ...intercontinental flights, 65-16, 65-28, 65-29, 65-30
- ...orthostatic, 63-34, 82-3, 82-4., 92-19

...+Gz, 79-8, 81-2  
 ...prediction for thermal environments, 71-4  
 ...vertical impact, 62-19  
 ...work at altitudes, 82-3

**Toxicology**

...Aeromedical Scientific Information System, 08-1  
 ...antiemetics and sedatives, interactions, 07-29  
 ...beta blocker, forensic analyses and differentiation, 04-15, 05-10  
 ...butalbital, forensic analysis, 00-29  
 ...cocaine and its metabolites, post mortem analyses, 03-23, 03-24  
 ...carbon monoxide, 89-4, 93-7, 94-7, 94-18, 98-21, 00-9, 05-9  
 ...combustion products of cabin materials, 77-9, 85-5, 86-1, 86-3, 86-5, 89-4, 90-15, 90-16, 91-17, 93-7, 93-8  
 ...DNA, detection of ethanol-producing microorganisms in postmortem samples, 00-16  
 –forensic genotyping, gender discrimination, 08-8  
 –functional genomics, 08-5  
 –identification of forensic specimens, 06-14  
 –profiling, quality assurance in forensic, 98-18, 99-14  
 ...drug usage in pilots, prescription and illicit, 08-10  
 ...enantiomeric analysis of ephedrine and norephedrine, 05-8  
 ...fatal aircraft accident findings, 78-31, 80-11, 82-15, 92-23, 92-24, 94-14, 97-14, 98-5, 99-29, 03-7, 03-22, 03-23, 05-9, 05-20, 06-3, 06-5, 06-12, 07-12, 07-22, 07-29, 08-22  
 ...fluoxetine (Prozac) distribution in postmortem samples, 07-15  
 ...gene expression profiles, maintenance after blood storage, 04-1  
 ...glucose levels, abnormal, 00-22, 08-11  
 ...hydrogen cyanide, 93-8, 94-7, 94-18, 05-9  
 ...hydrogen sulfide, 00-34  
 ...internal standard for reporting test specimens as negative or inconclusive, 07-23  
 ...interpretation of carboxyhemoglobin and cyanide concentrations, 05-9  
 ...melatonin, 98-10  
 ...metabolites, 95-26, 97-14  
 ...methamphetamines, 03-22  
 ...methodology, single extraction urine screening, 96-17  
 –determination of poppy seed consumption vs. poppy seed use, 05-11  
 –enantiomeric analysis of ephedrine and norephedrine, 05-8  
 –interpretation of carboxyhemoglobin and cyanide concentrations, 05-9

–simultaneous quantification of atenolol, metoprolol, and propranolol, 05-10  
 ...norfluoxetine distribution in postmortem samples, 07-15  
 ...opiate use, postmortem determination, 5-11  
 ...ozone toxicity, 80-16, 89-13  
 ...prescription and illicit drugs in pilots vs. general population, 08-10  
 ...postmortem ethanol analysis, internal standard, 98-5  
 –accurate assignment of ethanol origin postmortem, 04-4  
 –preservation of tissue samples, 04-4  
 ...postmortem medication findings and pilot medical history, 06-12, 07-19  
 ...proficiency testing, 99-11, 08-24  
 ...quality assurance and quality control, 99-11, 99-14, 99-15, 99-29, 03-18, 04-1, 04-4, 04-13, 04-15, 06-14, 99-11, 08-24  
 ...RNA isolation from peripheral blood cells, protocol validation, 04-1  
 –globin-RNA reduction, comparison of methods, 07-9  
 ...selective serotonin reuptake inhibitors (SSRIs) in pilot fatalities, 03-7, 07-19  
 ...sildenafil (Viagra), method for detecting in postmortem samples, 00-20, 06-3  
 ...thermal degradation of engine oils, 83-12  
 ...time to incapacitation, 89-4, 93-7, 93-8, 94-7  
 ...Vardenafil (Levitra), method for detecting in postmortem samples, 06-17

**Training**

...air traffic controllers, 78-10, 79-3, 79-18, 80-5, 80-15, 82-2, 83-9, 84-6, 88-3, 89-6, 89-7, 91-9, 91-18, 94-8, 95-16, 97-15, 98-8, 98-22, 98-23, 99-16, 00-12, 04-21  
 ...aviation medical examiners, 84-7  
 ...aviation safety inspectors, 07-16  
 ...biographical factors in ATCS success, 83-6, 84-6  
 ...correlates of satisfaction with, 91-9  
 ...crew resource management, flight inspector aircrew, 96-24  
 ...devices, 96-6  
 ...disorientation familiarization, 70-17, 77-24  
 ...diversity awareness, 95-10  
 ...flight, PC-based training, 94-25, 95-6, 96-8, 97-11, 03-3  
 ...flight instructors, 96-3  
 ...flight physiology, need for, 91-13, 03-10  
 ...flight service station, 86-6, 91-4  
 ...judgment training for pilots, 87-6, 98-6  
 ...maintenance personnel, 91-16, 93-5, 95-14, 95-31, 96-2

...management training, effectiveness of, 75-9, 78-32  
 ...needs for managers, 90-2  
 ...personality factor in ATC, 93-4  
 ...physiological, 10-year chamber experience, 77-4  
 ...reception of distorted speech, 73-13  
 ...resource management, controller/crew, 95-21  
 ...safety seminars for pilots, evaluation, 97-16, 99-7  
 ...situation awareness, 94-27  
 ...stress in pilot training, 67-15, 69-12, 76-2  
 ...supervisory, air traffic control, 92-16  
 ...teamwork, 99-24, 00-24  
 ...test fairness, 79-3, 96-8, 99-16  
 ...tracking performance during successive approaches, 72-9  
 ...transfer from simulation, 69-24, 94-25, 95-6  
 ...water survival programs, analysis, 98-19

### Translations

...aviation medicine, general, 64-16, 65-17, 66-2, 68-7, 71-5, 72-16, 73-19, 76-4, 81-4  
 ...color vision tests, 67-8  
 ...nystagmus and vestibular function, Tech. Pub. #1, 1963

### Turbulence

...effects of severe weather flying, 66-41  
 ...injuries, cabin safety data bank, 79-23, 82-8

### Vertigo

...Coriolis stimulation, 67-19  
 ...flicker, 66-39  
 ...illumination during angular deceleration, 68-28  
 ...in-flight case with unconsciousness, 63-21  
 ...production by spiral aftereffect, 64-9, 64-10, 64-17

### Vestibular function

...adaptation, 66-37, 67-6, 67-7, 67-12, 67-19, 69-20, 74-3  
 ...alcohol effects, 71-6, 71-16, 71-20, 71-34, 71-39, 72-34, 79-9  
 ...arousal effects, 62-17, 63-29  
 ...caloric habituation, 63-14, 64-14, 65-18, 67-2  
 ...dextroamphetamine and secobarbital effects, 73-17  
 ...habituation to rotation, 63-13, 65-24, 68-2  
 ...motion sickness susceptibility, 76-14  
 ...rotation device, 64-15  
 ...secondary, tertiary, and inverted primary nystagmus, 63-3  
 ...sleep loss effects, 86-9  
 ...tests during physical examinations, 75-4  
 ...translation of reports, Tech. Pub. #1, 64-16, 65-17, 66-2, 72-16, 73-19

### Vibration

...bibliography, 63-30

### Video games

...experience and air traffic scenario test score, 97-4

### Vigilance

...eye blink rate and fatigue, 94-17, 94-26, 96-9, 99-28  
 ...hypoxia effects, 71-11  
 ...napping and ATC performance, 00-10  
 ...psychophysiological indices, 99-28  
 ...simulated ATC tasks, 77-18, 78-11, 80-17, 94-6, 94-26, 95-23

### Vision

...acuity, pilots in midair collisions, 75-5  
 ...age and binocular fusion time, 66-35  
 ...aircraft maintenance inspectors, visual standards and tests, 05-21  
 ...alcohol effects, 78-2, 79-15  
 ...anticollision lights, 66-39, 70-9, 70-15, 71-42, 72-8  
 ...aphakia, accident risk assessment, 95-11  
 –incidence in airmen, 91-14, 92-14, 93-11  
 ...artificial lens implants, 92-14, 93-11  
 ...atropine and Phosdrin effects, 73-4  
 ...bifocal effects on radar monitoring, 82-16  
 ...bright lights and visual disturbances during nighttime flight operations, 06-28  
 ...Broca-Sulzer phenomenon, 68-27  
 ...chart readability, 77-13, 78-17  
 ...color, diagnostic tests, 67-8, 71-27, 71-32, 73-18, 75-1, 93-16, 93-17, 95-13, 96-22, 04-10, 04-14  
 ...color perception and ATCS job performance, 83-11, 85-7, 90-3, 92-6, 92-28, 92-29, 04-10, 04-14, 06-2, 06-6, 06-11, 06-15, 06-22, 07-5, 07-10, 07-24  
 ...contact lenses in an airline accident, 00-18  
 –in certification, 90-10, 00-18  
 ...cues for approach and landing, 79-4, 79-25, 81-6, 82-6  
 ...deficiencies in accident airmen, 81-14, 83-18, 93-11  
 ...disorientation, 69-23, 70-2  
 ...drug and pesticide effects on visual reflexes, 79-15  
 ...fatigue effects on binocular fusion time, 69-1  
 ...fixation effects on nystagmus, 67-12  
 ...gender differences in refractive surgery, 00-23  
 ...glare, 94-15, 03-6, 07-20  
 ...glaucoma, visual field and altitude, 91-1  
 ...illusions, 70-2, 71-22, 77-12, 78-15  
 ...instrument readability by senior pilots, 77-2, 77-7  
 ...laser illumination effects, 03-12, 04-9, 06-23, 08-14  
 ...light adaptation device, 66-38  
 ...matching flash loudness and brightness, 67-16

...monitoring performance on simulated radar task, 80-17, 81-12, 82-16, 90-3, 94-17, 94-26, 96-9  
 ...occupational vision, 96-12, 96-27  
 ...ophthalmic lenses for air traffic controllers, 96-12, 96-27  
 ...perception of depth, 63-10, 63-28, 67-20  
 ...perception of size and distance, 62-15, 64-13, 65-11, 66-22, 66-24, 67-18  
 ...perception of spatial extent, 63-20  
 ...peripheral visual cues, 68-11, 68-12, 68-22  
 ...photorefractive keratectomy, 98-25  
 ...presbyopic individuals, 77-14  
 ...propeller paint schemes conspicuity, 78-29  
 ...reaction time, flash luminance and brightness, 67-24  
 ...radial keratectomy, 98-25, 06-9  
 ...radial keratotomy, 99-6, 00-19, 06-9  
 ...radiation, optical, transmittance through aircraft windscreens, 07-20, 08-15  
 ...readability of emergency signs in smoke, 79-22, 80-13, 81-7  
 ...refractive surgery, 99-6, 00-19, 00-23, 06-9  
 ...restrictions and pilot demographics, 04-6  
 ...search performance with radar sweepline, 79-12  
 ...smoke-protective goggles, 76-5, 78-41, 83-14  
 ...spiral aftereffect, 64-9, 64-10, 64-17, 68-10, 69-15, 71-31  
 ...stimulation during angular deceleration, 68-28  
 ...sunscreen materials effects, 78-28  
 ...test for monitoring and scanning, 92-12, 94-8  
 ...two-flash thresholds, 68-20, 70-15, 71-42  
 ...windscreens, optical radiation and pilot vision, 07-20  
 ...X-Chrom lens to improve color vision, 78-22

**Warning signals**

...blink amplitudes and attention, 97-10, 99-8  
 ...color and flashing radar targets, 90-3  
 ...pilot hearing thresholds, 05-12

**Water survival**

...ditching, factors in passenger flow rates, 04-12  
 ...flotation, use of seat cushion, 95-20  
 ...life preserver evaluations, 85-11, 03-9  
 ...training programs, analysis, 98-19

**Weather**

...information, use by pilots, 97-3, 97-23, 04-5, 08-3, 08-6, 08-7, 08-12  
 ...integrated terminal weather systems, effects on the System Airport Efficiency Ratings, 07-28  
 ...pilot willingness to take off into marginal weather, 05-7, 05-15, 07-4, 08-12

**Weight**

...accident rate relation to body weight, 70-18  
 ...ATCS population, changes in, 71-19, 72-20  
 ...errors in stated estimates, 73-10  
 ...third-class certificate holders, changes in, 72-26

**Work**

...age and retirement of air traffic controllers, 05-6, 05-22  
 ...age effects on tolerance, 63-33  
 ...alcohol effects, 82-3  
 ...altitude effects on tolerance, 63-33, 82-3  
 ...anxiety, relation to workload in ATCSs, 73-15, 77-23, 80-14, 81-5  
 ...blood pressure effects, 66-36  
 ...capacity, after myocardial infarction, 64-2, 66-17, 66-21  
 –of ATCS students, 71-8  
 –related to age, 63-18  
 –with step test, 64-3  
 ...communication, and controller workload, 01-8  
 ...distractibility with monotony, 72-25  
 ...domestic-based stress, effects on work environment, 00-32  
 ...drug effects on performance, 63-12, 63-34  
 ...energy cost on treadmill, 62-5  
 ...fitness, field test for, 63-6  
 ...flight attendants, 07-21  
 ...human tolerance, 62-6  
 ...measurement, of air traffic controller workload, 98-15, 05-16, 06-29, 07-6  
 –of information complexity in automation design, 04-17, 07-11  
 –of pilot workload, 77-15, 81-13  
 ...monotonous task performance correlates, 73-14  
 ...motivation of ATCS, 73-2  
 ...organizational climate, ATC, 04-23,  
 –FAA, 98-24, 03-11, 04-22, 04-23, 05-13, 06-30  
 –FSS, 97-12  
 ...passenger workload and protective breathing requirements, 87-2  
 ...safety climate, 97-8, 99-19  
 ...shift rotation effects, 65-5, 65-6, 81-4, 82-17, 83-17, 85-2, 86-2, 06-13  
 ...shiftwork and performance, 97-25, 99-2, 00-10  
 ...sickle cell trait effects, 80-20  
 ...strength and endurance of female pilots, 72-27, 73-23  
 ...strength of flight attendants, 75-13  
 ...thermal balance in heat and cold, 66-23, 68-13  
 ...workload effects, on complex performance, 83-15  
 –flight progress strips, 98-26  
 ...workload subjective ratings, models, 07-6