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Index to FAA Office of Aerospace Medicine Reports: 1961 Through 2012

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Final Report

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16. Abstract An index to Federal Aviation Administration Office of Aerospace Medicine Reports (1964-2012) 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 2012: chronologically, alphabetically by author, and alphabetically by subject.					
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HISTORICAL NOTE



CAMI's 2012 staff. The original dedication of the CAMI building 50 years ago was celebrated by its current staff in a rededication day of tours and speeches. Ceremonies, in a format reminiscent of the 1962 dedication, were attended by the FAA Administrator and other distinguished guests.

Below: Then-FAA Administrator Najeib Hallaby, speaking at the building dedication ceremony on October 21, 1962, delivered the keynote address.



Right: FAA Administrator Michael Huerta, speaking at the rededication ceremony on December 12, 2012. "For the past 50 years, CAMI has been at the nexus of aerospace medical research, education and certification," Administrator Huerta said. "CAMI is working to make sure that the human body can keep pace with the human spirit's desire to expand the envelope of flight. All of this is possible because of the men and women who keep this place running. The public service you exude, the professionalism for which you're known ... well, that comes from the deep seeds of character that



were sown long before you came to the FAA. Everywhere I look here at CAMI, I see a pride, a desire to go above and beyond," he added.



A celebration commemorating the Institute's 50th anniversary in Oklahoma City, Oklahoma, was attended by (left-right) then-Acting Administrator Michael Huerta, Associate Administrator for Aviation Safety Peggy Gilligan, CAMI Director Melchor Antuñano, Mike Monroney Aeronautical Center Director Lindy Ritz, and Deputy Federal Air Surgeon James Fraser, reflected on highlights of medical research and the many educational programs and achievements made at CAMI over the last 50 years.

“The Institute has certainly set the gold standard in its commitment to ensure the safety of every person involved in aviation—on the flight deck, in the cabin, control tower and maintenance bay,” Peggy Gilligan said. “All of us who fly are deeply grateful for their contributions.”

Over the last half century, CAMI has dealt with more than 20 million medical applications and currently manages the medical certificates for roughly 400,000 U.S. pilots each year.

CAMI staff manages aerospace medicine education, scientific research, and occupational and environmental health, in addition to supporting the FAA Academy and the Transportation Safety Institute.

CAMI's contributions to aviation safety span the entire range of human involvement in aviation

systems, from the identification and mitigation of medical and performance risk factors during flight to breakthroughs in crash safety design and aircraft evacuation. CAMI researchers create and apply aviation-specific medical knowledge to enhance aviation safety. CAMI's programs communicate vital aeromedical safety information to the civil aviation community.

Other contributions include drop-down oxygen masks, evacuation floor lights, and water survival techniques.

By using the latest medical technology to assess an airmen's medical fitness to fly and always putting safety first, CAMI has helped the FAA achieve the most flexible, pilot-friendly medical certification program in the world.

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 2012.
2. Author Index: all contributing authors, in alphabetical order.
3. Subject Index: subjects, listed in alphabetical order.

Some examples are:

11-3 DeWeese RL, Moorcroft DM, Taylor AM. Aviation child safety device performance standards review.

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

Knecht WR 02-20, 05-7, 05-15, 07-16, 08-6, 08-7, 10-1, 10-6, 10-13, 10-17, 11-5, 12-15

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

Flight attendants

...fatigue, 07-21, 09-22, 09-24, 09-25, 10-22, 10-25, 11-16, 12-12

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

Report Numbers

12-5 Chaturvedi AK, Sershon JL, Craft KJ, Cardona PS, Soper JW, Canfield DV, Dubowski KM, Whinnery JE, Leyva MJ, Aston CE, Blevins SM, Wright JE, Fraser AD, Kuntz DJ: Effects of fluid load on human urine characteristics related to workplace drug testing. ADA566817

Above: The first numbers (12-5) 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 "12-5" is DOT/FAA/AM-12/5. The "ADA566817" was appended to the report by the Defense Technical Information Center (DTIC). Keep the number system in mind when ordering from DTIC.

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- Abstracts and full text of all reports are available on the Federal Aviation Administration's Internet site:
www.faa.gov/go/oamtechreports
- Defense Technical Information Center (DTIC). Abstracts and full text of most reports are available from the DTIC's Public Technical Reports Internet site. Reports may be searched by author, title, and keyword, as well as "ADA" number.
<http://www.dtic.mil/dtic/search/tr/tr.html>

"Aviation Safety Through the Development and Application of Aeromedical Knowledge"

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- 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⁺] 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 (chlordiazepoxide) in flight training. AD703221
- 69-13 Snyder RG, Snow CC, Young JW, Price GT, Hanson PG: Experimental comparison of trauma in lateral (+Gy), rearwardfacing (+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
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- 70-12 Mohler SR: Physiologically tolerable decompression profiles for supersonic transport type certification. AD713055
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- 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
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- 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
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- 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
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- 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
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- 71-26 Friedberg W, Nelson JM: Calibration of the Concorde radiation detection instrument and measurements at SST altitude. AD732789
- 71-27 Lewis MF, 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

- 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 N₂O 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
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- 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
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- 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
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- 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, Rylander R, Touchstone RM: Sonic boom startle effects: Report of a field study. AD773451
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- 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
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- 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 CF 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 followup 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 AO, 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
- 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 AO, 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 JO: 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. ADA056053/26I
- 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
- 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, Beiergrohlein 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 JO, 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 ME, 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 sweepline. 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 TE, 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/m³) 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
- 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-cabinmounted 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 antinotion 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, Sereshon 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, Sereshon 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 crewmember 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
- 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, Rubenstein 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, Stoliarov 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 nonsmokers. 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
- 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 Cosper 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: A 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, Vedeniapi AB, Packingham 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, Pfeiderer 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, Pfeiderer 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, Battisio 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, Cospier 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 epedrine 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, Hattrup 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, Pfeleiderer 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 postmortem 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
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- 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
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- 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
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- 09-1 Collins WE, Wayda ME: Index to FAA Office of Aerospace Medicine reports: 1961 through 2008. ADA494601
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- 09-24 Avers KB, King SJ, Banks JO, Nesthus TE: Flight attendant fatigue, Part I: National duty, rest, and fatigue survey. ADA520848
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- 10-1 Knecht WR, Ball J, Lenz M: Effects of video weather training products, Web-based preflight weather briefing, and local vs. non-local pilots on general aviation pilot weather knowledge and flight behavior, Phase 1. ADA519022
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- 10-18 Prinzo OV, Campbell A, Hendrix A, Hendrix R: U.S. airline transport pilot international flight language experiences, Report 5: Language experiences in native English-speaking airspace/airports. ADA534673
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- 11-1 Collins WE, Wayda ME: Index to FAA Office of Aerospace Medicine Reports: 1961 through 2010. ADA542886
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