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Washington, D.C. 20591

Index to FAA Office of Aviation Medicine Reports: 1961 through 1998

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Final Report

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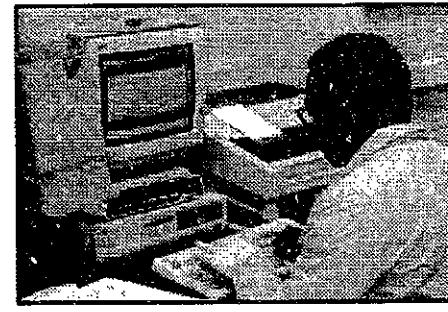
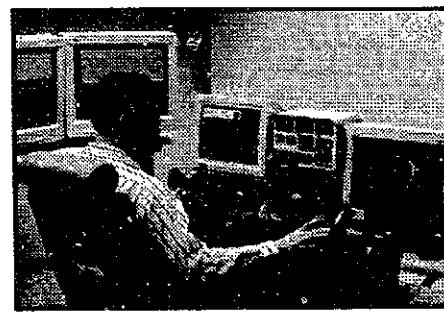
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16. Abstract An index to Federal Aviation Administration Office of Aviation Medicine Reports (1964-1998) and Civil Aeromedical Institute Reports is presented for those engaged in aviation medicine and related activities. The index lists all FAA aviation medicine reports published from 1961 through 1998: chronologically, alphabetically by author, and alphabetically by subject. A foreword describes aspects of the Civil Aeromedical Institute's 38 years of service, describes the index's sections, and explains how to obtain copies of published Office of Aviation Medicine technical reports.			
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INDEX TO FAA OFFICE OF AVIATION MEDICINE REPORTS: 1961 THROUGH 1998



*Clockwise from top left:
Advanced General Aviation Research
Simulator, ATC voice and data link
communications, forensic toxicology labora-
tory, hypobaric oxygenation study, sled test of
airplane seat and restraint systems, GPS
design considerations research.*

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We provide the *Index* as a reference for those engaged in aviation medicine and related disciplines. We do so because sharing significant findings contributes to the body of aeromedical knowledge through the synergistic effects of others, leading to improved understanding and the application of appropriate solutions to safety problems.

HOW TO USE THE INDEX

The Index is organized in three sections:

1. **Chronological Index:** A cumulative list of all research reports from 1961 through 1998.
2. **Author Index:** An index of authors, in alphabetical order.
3. **Subject Index:** An index of subjects, listed in alphabetical order.

Some examples are:

98-2 McLean, G.A., and Chittum, C.B: Performance demonstrations of zinc sulfide and strontium aluminate photoluminescent floor proximity escape path marking systems. ADA339339

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

Prinze, O.V.: 93-20, 95-15, 96-10, 96-20, 96-26, 98-17, 98-20.

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

Passengers

- ... blind, cane use in emergency evacuation, 80-12.
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Left: An example of entries in the **Subject Index**; refers to all reports that pertain to a specific topic.

REPORT NUMBERS

98-8 Thompson, R.C., Agen, R.A., and Broach, D.M: Differential training needs and abilities at air traffic control towers: Should all controllers be trained equally? ADA340829

Above: The first numbers (98-8) 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 "98-8" is DOT/FAA/AM-98/8. The "ADA340829" is the number appended to the report by the National Technical Information Service. Keep the number system in mind when ordering.

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Aviation Safety through the Development and Application of Aeromedical Knowledge.

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- 73-23 Leeper, R. C., Hasbrook, A. H., and Purswell, J. L: Study of control force limits for female pilots. AD777839
- 1974
- 74-1 Dille, J. R., and Grimm, M. H: Index to FAA Office of Aviation Medicine Reports: 1961 through 1973. AD779553
- 74-2 Mathews, J. J., Collins, W. E., and Cobb, B. B: A sex comparison of reasons for attrition of nonjourneyman FAA air traffic controllers. AD780558
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- 74-7 Mathews, J. J., Collins, W. E., and Cobb, B. B., Jr: Job-related attitudes of nonjourneyman FAA air traffic controllers and former controllers: a sex comparison. AD787238
- 74-8 Cobb, B. B., Jr., and Nelson, P. L: Aircraft-pilot and other pre-employment experience as factors in the selection of air traffic controller trainees. ADA001039
- 74-9 Thackray, R. I., Touchstone, R. M., and Bailey, J. P: 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, W. D., and West, G: Multiple-task performance as a predictor of the potential of air traffic controller trainees: A followup study. ADA002920
- 74-11 Melton, C. E., Jr., McKenzie, J. M., Saldivar, J. T., and Hoffmann, S. M: Comparison of Opa Locka Tower with other ATC facilities by means of a biochemical stress index. ADA008378
- 74-12 Smith, R. C: A realistic view of the people in air traffic control. ADA006789
- 1975
- 75-1 Jones, K. N., Steen, J. A., and Collins, W. E: Predictive validities of several clinical color vision tests for aviation signal light gun performance. ADA006792
- 75-2 Snow, C. C., Reynolds, H. M., and Allgood, M. A: Anthropometry of airline stewardesses. ADA012965
- 75-3 Mathews, J. J., Cobb, B. B., Jr., and Collins, W. E: 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, W. E., Lennon, A. O., and Grimm, E. J: The use of vestibular tests in civil aviation medical examinations: Survey of practices and proposals by aviation medical examiners. ADA015087
- 75-5 Ryan, L. C., Gerathewohl, S. J., Mohler, S. R., and Booze, C. F., Jr: To see or not to see: Visual acuity of pilots involved in midair collisions. ADA016277
- 75-6 Lewis, M. F., Ferraro, D. P., Mertens, H. W., and Steen, J. A: Interaction between marihuana and altitude on a complex behavioral task in baboons. ADA020680/5GI
- 75-7 Melton, C. E., Jr., Smith, R. C., McKenzie, J. M., Saidivar, J. T., Hoffmann, S. M., and Fowler, P. R: Stress in air traffic controllers: Comparison of two air route traffic control centers on different shift rotation patterns. ADA020679/7GI
- 75-8 Thackray, R. I., Bailey, J. P., and Touchstone, R. M: Physiological, subjective, and performance correlates of reported boredom and monotony while performing a simulated radar control task. ADA025426/8GI
- 75-9 Smith, R. C., Rana, B., and Taylor, D. K: An evaluation of the effectiveness of the FAA Management Training School. ADA025254/4GI
- 75-10 Higgins, E. A., Chiles, W. D., McKenzie, J. M., Lampietro, P. F., Winget, C. M., Funkhouser, G. E., Burr, M. J., Vaughan, J. A., and Jennings, A. E: 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
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- 75-13 Reynolds, H. M., and Allgood, M. A: Functional strength of commercial-airline stewardesses. ADA021836/2GI
- 75-14 Higgins, E. A., Chiles, W. D., McKenzie, J. M., Lampietro, P. F., Vaughan, J. A., Funkhouser, G. E., Burr, M. J., Jennings, A. E., and West, G: The effects of dextroamphetamine on physiological responses and complex performance during sleep loss. ADA021520/2GI

1976

- 76-1 Jennings, A. E., and Chiles, W. D: An investigation of time-sharing ability as a factor in complex performance. ADA031881/GGA
- 76-2 Smith, R. C., and Melton, C. E: Effects of ground trainer use on the psychological and physiological states of students in private pilot training. ADA024704/9GI
- 76-3 Tobias, J. V: Massed versus distributed practice in learned improvement of speech intelligibility. ADA024705/GGI
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- 77-1 Murcko, L. E., and Dille, J. R: Index to FAA Office of Aviation Medicine Reports: 1961 through 1976. ADA037234/2GI
- 77-2 Welsh, K. W., Vaughan, J. A., and Rasmussen, P. G: Survey of cockpit visual problems of senior pilots. ADA037587/3GI
- 77-3 Lategola, M. T., Flux, M., and Lyne, P. J: Spirometric assessment of potential respiratory impairment in general aviation airmen. ADA038296/0
- 77-4 Valdez, C. D: Ten-year survey of altitude chamber reactions using the FAA training chamber flight profiles. ADA03723/9GI
- 77-5 Saldivar, J. T., Hoffmann, S. M., and Melton, C. E: Sleep in air traffic controllers. ADA038297/8GI
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- 77-7 Welsh, K. W., Rasmussen, P. G., and Vaughan, J. A: Intermediate visual acuity of presbyopic individuals with and without distance and bifocal lens corrections. ADA038538/5GI
- 77-8 Hanneman, G. D., Higgins, E. A., Price, G. T., Funkhouser, G. E., Grape, P. M., and 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, C. R., Sanders, D. C., Endecott, B. R., Abbott, J. K., and Smith, P. W: Inhalation toxicology: I. Design of a small-animal test system. II. Determination of the relative toxic hazards of 75 aircraft cabin materials. ADA043646/9GI
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- 77-11 Blethrow, J. G., Garner, J. D., Lowrey, D. L., Busby, D. E., and Chandler, R. F: Emergency escape of handicapped air travelers. ADA043269/0GI
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- 77-13 Welsh, K. W., Rasmussen, P. G., and Vaughan, J. A: Readability of alphanumeric characters having various contrast levels as a function of age and illumination mode. ADA044554/4GI
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- 77-25 Dailey, J. T., and Pickrel, E. W: Development of new selection tests for air traffic controllers. ADA049049/0GI

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- 78-1 McFadden, E. B. (Ed.): Flotation and survival equipment studies. ADA051869/GGI
- 78-2 Revzin, A. M: Effects of ethanol on visual unit activity in the thalamus. ADA05092/4GI
- 78-3 Pollard, D. W., Garner, J. D., Blethrow, J. G., and Lowrey, D. L: 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, M. S., Bannister, J. R., and McFadden, E. B: Aircrew and passenger protective breathing equipment studies. ADA05100/4GI

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- 78-8 Friedberg, W., Neas, B. R., Faulkner, D. N., Hanneman, G. D., and Darden, E. B., Jr: Radiobiological aspects of high altitude flight: Relative biological effectiveness of fast neutrons in suppressing immune capacity to an infective agent. ADA05320/4GI
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- 78-19 Higgins, E. A., Chiles, W. D., McKenzie, J. M., Jennings, A. E., Funkhouser, G. E., and Mullen, S. R: The effects of altitude and two decongestant-antihistamine preparations on physiological functions and performance. ADA054793/5GI
- 78-20 Lategola, M. T., Davis, A. W., Jr., Lyne, P. J., and Burr, M. J: Cardiorespiratory assessment of decongestant-antihistamine effects on altitude, +Gz, and fatigue tolerances. ADA055089/7GI
- 78-21 Booze, C. F: The morbidity experience of air traffic control personnel, 1967-1977. ADA056053/26I
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- 78-24 Chandler, R. F., and Trout, E. M: Evaluation of seating and restraint systems and anthropomorphic dummies conducted during fiscal year 1977. ADA056905/3GI
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- 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, R. M., Jenkins, C. D., and Hurst, M. W: Air traffic controller health change study. Boston University School of Medicine. ADA063709/0GA
- 78-40 Melton, C. E., McKenzie, J. M., Wicks, S. M., and Saldivar, J. T: Stress in air traffic controllers: A restudy of 32 controllers 5 to 9 years later. ADA065767/6GA
- 78-41 Vaughan, J. A., Welsh, K. W., and Rasmussen, P. G: The optical properties of smoke-protective devices. ADA064678/6GA

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- 79-3 Lewis, M. A: A comparison of three models for determining test fairness. ADA066586/9GA
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- 79-16 Tobias, J. V: Interstimulus interval as it affects temporary threshold shift in serial presentations of loud tones. ADA072006/0GA
- 79-17 Chandler, R. F., and Trout, E. M: Evaluation of seating and restraint systems conducted during fiscal year 1978. ADA074881/4
- 79-18 Pickrel, E. W: Performance standards for pass-fail determinations in the national air traffic flight service station training program. ADA081066/3
- 79-19 Dille, J. R., and Booze, C. F: The 1976 accident experience of civilian pilots with static physical defects. ADA07718919

- 79-20 Higgins, E. A., Lategola, M. T., McKenzie, J. M., Melton, C. E., and Vaughan, J. A: Effects of ozone on exercising and sedentary adult men and women representative of the flight attendant population. ADA080045/8
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- 79-24 Thackray, R. I., and Touchstone, R. M: Effects of noise exposure on performance of a simulated radar task. ADA081065/5
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- 80-1 Thackray, R. I: Boredom and monotony as a consequence of automation: A consideration of the evidence relating boredom and monotony to stress. ADA085069/3
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- 80-7 Collins, W. E., Boone, J. O., and VanDeventer, A. D. (Eds.): The selection of air traffic control specialists: I. History and review of contributions by the Civil Aeromedical Institute. ADA087655/7
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- 80-9 Higgins, E. A., Lategola, M. T., Melton, C. E., and Vaughan, J. A: Effects of ozone (0.30 parts per million, ~600 ug/m³) on sedentary men representative of airline passengers and cockpit crewmembers. ADA092268/2
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- 81-9 Booze, C. F., Jr: Prevalence of selected pathology among currently certified active airman. ADA103397/6
- 81-10 Kirkham, W. R: Improving the crashworthiness of general aviation aircraft by crash injury investigations. ADA103316/6
- 81-11 Hanneman, G. D: Factors related to the welfare of animals during transport by commercial aircraft. ADA106226/4

- 81-12 Thackray, R. I., and Touchstone, R. M: Age-related differences in complex monitoring performance. ADA106225/6
- 81-13 Melton, C. E., McKenzie, J. M., Wicks, S. M., and Saldivar, J. T: Fatigue in flight inspection field office (FIFO) flight crews. ADA106791/7
- 81-14 Dille, J. R., and Booze, C. F., Jr: The prevalence of visual deficiencies among 1979 general aviation accident airmen. ADA106489/8
- 81-15 Collins, W. E., Mastrullo, A. R., Kirkham, W. R., Taylor, D. K., and Grape, P. M: An analysis of civil aviation propeller-to-person accidents: 1965-1979. ADA105365/1
- 81-16 Collins, W. E., Schroeder, D. J., and Elam, G. W: A comparison of some effects of three antimotion sickness drugs on nystagmic responses to angular accelerations and to optokinetic stimuli. ADA107947/4
- 1982**
- 82-1 Thackray, R. I., and Touchstone, R. M: 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, J. O: A generic model for evaluation of the Federal Aviation Administration air traffic control specialist training programs. ADA106379/1
- 82-3 Lategola, M. T., Lyne, P. J., and Burr, M. J: Alcohol-induced physiological displacements and their effects on flight-related functions. ADA115473/1
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- 82-5 Lategola, M. T., and Flux, M: Evaluation of cardiopulmonary factors critical to successful emergency perinatal air transport. ADA114743/8
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- 82-11 Rock, D. B., Dailey, J. T., Ozur, H., Boone, J. O., and Pickrel, E. W: Selection of applicants for the air traffic controller occupation. ADA122795/8
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- 83-1 Dille, J. R., and Haraway, A: Index to FAA Office of Aviation Medicine Reports: 1961 through 1982. ADA127463/8
- 83-2 McKenzie, J. M., Higgins, E. A., Fowler, P. R., Funkhouser, G. E., White, M. A., and Moser, E: Sensitivity of some tests for alcohol abuse: Findings in nonalcoholics recovering from intoxication. ADA126138/7
- 83-3 Coltman, J. W: Design and test criteria for increased energy-absorbing seat effectiveness. ADA1280125/5
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83-15 Mertens, H. W., Higgins, E. A., and McKenzie, J. M: Age, altitude, and workload effects on complex performance. ADA133594/2

83-16 Young, J. W., Chandler, R. F., Snow, C. C., Robinette, K. M., Zehner, G. F., and Lofberg, M. S: Anthropometric and mass distribution characteristics of the adult female. ADA135316

83-17 Schroeder, D. J., and Goulden, D. R: A bibliography of shift work research: 1950-1982. ADA135644

83-18 Dille, J. R., and Booze, C. F., Jr: The 1980 and 1981 accident experience of civil airmen with selected visual pathology. ADA134898

1984

84-1 Pollard, D. W., Steen, J. A., Biron, W. J., and Cremer, R. L: Cabin safety subject index. ADA140409

84-2 Sells, S. B., Dailey, J. T., and Pickrel, E. W: Selection of air traffic controllers. ADA147765

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84-4 Lategala, M. T., Davis, A. W., Jr., Gilcher, R. O., Lyne, P. J., and Burr, M. J: Aviation-related cardiorespiratory effects of blood donation in female private pilots. ADA148045

84-5 Hanneman, G. D., and Sershon, J. L: Tolerance endpoint for evaluating the effects of heat stress in dogs. ADA148104

84-6 VanDeventer, A. D., Collins, W. E., Manning, C. A., Taylor, D. K., and Baxter, N. E: 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, J. R., and Harris, H. L: Efforts to improve aviation medical examiner performance through continuing medical education and annual performance reports. ADA148078

84-8 Booze, C. F., Jr: Health examination findings among active civil airmen. ADA148325

84-9 Dark, S. J: Medically disqualified airline pilots. ADA149454

1985

85-1 Pollard, D. W., Steen, J. A., and Penland, T: Federal Aviation Regulations Part 135 cabin safety subject index. ADA156946

85-2 Melton, C. E: Physiological responses to unvarying (steady) and 2-2-1 shifts: Miami International Flight Service Station. ADA155751

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85-4 Crane, C. R., Sanders, D. C., Endecott, B. R., and Abbott, J. K: Inhalation toxicology: IV. Times to incapacitation and death for rats exposed continuously to atmospheric hydrogen chloride gas. ADA157400

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- 1986**
- 86-1 Sanders, D.C., Crane, C.R., and Endecott, B.R: Inhalation toxicology: V. Evaluation of relative toxicity to rats of thermal decomposition products from two aircraft seat fire-blocking materials. ADA165034
- 86-2 Melton, C.E., and Bartanowicz, R.S: Biological rhythms and rotating shift work: Some considerations for air traffic controllers and managers. ADA168742
- 86-3 Crane, C.R., Sanders, D.C., Endecott, B.R., and Abbott, J.K: Inhalation toxicology: VI. Evaluation of the relative toxicity of thermal decomposition products from nine aircraft panel materials, ADA168250
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- 86-6 Convey, J.J: The Flight Service Station Training Program: 1981-1985. ADA171485
- 86-7 Dark, S.J: Medically disqualified airline pilots. ADA173244
- 86-8 Crane, C.R., and Sanders, D.C: Inhalation toxicology: VIII. Establishing heat tolerance limits for rats and mice subjected to acute exposures at elevated air temperatures. ADA173031
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- 87-1 Dille, J.R., and Grimm, M.H: Index to FAA Office of Aviation Medicine Reports: 1961 through 1986. ADA180281
- 87-2 Higgins, E.A., Saldivar, J.T., Lyne, P.J., and Funkhouser, G.E: A study of passenger workload as related to protective breathing requirements. ADA181089

- 87-3 Hanneman, G.D., and Sershon, J.L: Tolerance by unacclimated Beagle dogs to freezing and subfreezing temperatures. ADA181304
- 87-4 Schroeder, D.J., Collins, W.E., and Dollar, C.S: 1986 survey of aviation business operators: Their views of FAA airworthiness inspectors. ADA181369
- 87-5 Higgins, E.A: 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
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- 87-8 Hanneman, G.D., and Sershon, J.L: A temperature/humidity tolerance index for transporting Beagle dogs in hot weather. ADA190948
- 1988**
- 88-1 Thackray, R. I. , and Touchstone, R. M: An evaluation of the effects of high visual taskload on the separate behaviors involved in complex monitoring performance. ADA190641
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- 1989**
- 89-1 Thackray, R. I., and Touchstone, R. M: A comparison of detection efficiency on an air traffic control monitoring task with and without computer aiding. ADA206422
- 89-2 Booze, C. F., Jr: Prevalence of disease among active civil airmen. ADA206050
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- 89-4 Crane, C. R., Sanders, D. C., and Endecott, B. R: Inhalation toxicology: IX. Times-to-incapacitation for rats exposed to carbon monoxide alone, to hydrogen cyanide alone, and to mixtures of carbon monoxide and hydrogen cyanide. ADA208195
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- 89-11 Higgins, E. A., McLean, G. A., Lyne, P. J., Funkhouser, G. E., and Young, J. W: Evaluation of the Scott Aviation portable protective breathing device for contaminant leakage as prescribed by FAA Action Notice A-8150.2. ADA216799
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- 90-1 Collins, W.E., Wayda, M.E., and Baxter, N.E: Index of FAA Office of Aviation Medicine Reports: 1961 through 1989. AD-221414
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- 90-16 Sanders, D.C., and Endecott, B.R: Inhalation toxicology: XI. The effect of elevated temperature on carbon monoxide toxicity. ADA231185
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- 91-1 Nakagawara, V.B: The effect of simulated altitude on the visual fields of glaucoma patients and the elderly. ADA233167
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- 92-31 OU Vortac, Edwards, M.B., Jones, J.P., Manning, C.A., and Rotter, A.J: En route air traffic controllers' use of flight progress strips: A graph-theoretic analysis. ADA259062

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- 93-1 Rodgers, M.D., and Drechsler, G.K: Conversion of the CTA, Inc., en route operations concepts database into a formal sentence outline job task taxonomy. ADA261921
- 93-2 Collins, W.E: A review of civil aviation propeller-to-person accidents: 1980-1989. ADA260695
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- 94-1 Collins, W.E., and Wayda, M.E: Index of FAA Office of Aviation Medicine Reports: 1961 through 1993. ADA275913
- 94-2 Witt, A.W: Perceptions of organizational support and affectivity as predictors of job satisfaction. ADA277047
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- 96-1 Collins, W.E., and Wayda, M.E: Index of FAA Office of Aviation Medicine Reports: 1961 through 1995. ADA3040263
- 96-2 Shepherd, W.T., and Galaxy Scientific Corp: Human factors in aviation maintenance: Phase V progress report. ADA304262

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- 98-1 Collins, W.E., and Wayda, M.E: Index of FAA Office of Aviation Medicine Reports: 1961 through 1997. ADA339254
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