

**A SERVICE OF THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
SCIENTIFIC AND TECHNICAL INFORMATION OFFICE**

NASA/SCAN Notification

52-01 AEROSPACE MEDICINE
IAA AND STAR ISSUES #07 APRIL 1976

Order the documents you want by checking the appropriate boxes. Then write your name and internal mail code in the spaces below, and forward the entire sheet to your library.

52-01

- Sixty two days on board Salyut 4. I SEVASTIANOV, V. NOV. 1975 2 PAGES Aviatsiya i Kosmonavtika, Nov. 1975, p. 42, 43. In Russian.
- *ASTRONAUT PERFORMANCE, *ORBITAL SPACE STATIONS, *ORBITAL WORKERS, *SALYUT SPACE STATION, *SPACE FLIGHT STRESS ADAPTATION, AEROSPACE MEDICINE, MANNED SPACE FLIGHT, SPACEBORNE PHOTOGRAPHY, WEIGHTLESSNESS C53 A76-19268 #

- Effect of a sudden change of time environment on some circadian rhythms in man MOISEEVA, N. I. AA(Akademii Meditsinskikh Nauk SSSR, Leningrad, USSR) DEC. 1975 7 PAGES 24 REFS. Fiziologicheskii Zhurnal SSSR, vol. 61, Dec. 1975, p. 1798-1804. In Russian.
- *CARDIOVASCULAR SYSTEM, *CIRCADIAN RHYTHMS, *FLIGHT STRESS (BIOLOGY), *PILOT PERFORMANCE, *TIME RESPONSE ADAPTATION, AEROSPACE MEDICINE, CHEMOTHERAPY, FLIGHT PATHS, WORK-REST CYCLE C52 A76-19696 #

- Flight-induced changes in human amino acid excretion ELLIS, J. P., JR. HARTMAN, B. O. BOLLINGER, R. R. GARCIA, J. B., JR. AD(USAF, School of Aerospace Medicine, Brooks AFB, Tex.) JAN. 1976 8 PAGES 36 REFS. Aviation, Space, and Environmental Medicine, vol. 47, Jan. 1976, p. 1-8.
- *AMINO ACIDS, *FLIGHT CREWS, *FLIGHT STRESS (BIOLOGY), *URINALYSIS DIURNAL VARIATIONS, EXCRETION, FATIGUE (BIOLOGY), HUMAN REACTIONS, PHYSIOLOGICAL TESTS, STATISTICAL ANALYSIS C52 A76-19701

- Use of Sr-85 as an indicator of bone mineral replacement in dogs after disuse demineralization PALMER, H. E. KARAGIANES, M. T. AB(Battelle Pacific Northwest Laboratories, Richland, Wash.) JAN. 1976 3 PAGES 5 REFS. Aviation, Space, and Environmental Medicine, vol. 47, Jan. 1976, p. 17-19.
- *BONE DEMINERALIZATION, *HYPOKINESIA, *MINERAL METABOLISM, *STRONTIUM 85 AEROSPACE MEDICINE, DOGS, PHYSIOLOGICAL TESTS, RADIATION DOSAGE, SPACE ENVIRONMENT SIMULATION C51 A76-19702

- Aircrew medical standards and their application in the Royal Australian Air Force DEHART, R. L. KRAMER, E. F. STEPHENSON, E. E. AB(USAF, Hospital, Kirtland AFB, N. Mex.) AC(Royal Australian Air Force, Dept. of Air, Canberra, Australia) JAN. 1976 7 PAGES 7 REFS. Aviation, Space, and Environmental Medicine, vol. 47, Jan. 1976, p. 76-76.

- *AEROSPACE MEDICINE, *FLIGHT CREWS, *FLIGHT FITNESS, *MILITARY AVIATION, *PERSONNEL SELECTION AUSTRALIA, EYE (ANATOMY), PHYSIOLOGICAL FACTORS, STANDARDS, STATISTICAL ANALYSIS C52 A76-19711

- Pregnant stewardess - Should she fly SCHOLTEN, P. AA(California, University, San Francisco, Calif.) JAN. 1976 5 PAGES 56 REFS. Aviation, Space, and Environmental Medicine, vol. 47, Jan. 1976, p. 77-81.
- *CIVIL AVIATION, *FLIGHT CREWS, *FLIGHT FITNESS, *PREGNANCY AEROSPACE MEDICINE, FETUSES, FLIGHT HAZARDS, HYPOXIA C52 A76-19712

- Use of pilot heart rate measurement in flight evaluation ROSCOE, A. H. AA(Royal Aircraft Establishment, Bedford, Hants., England) JAN. 1976 5 PAGES 13 REFS. Aviation, Space, and Environmental Medicine, vol. 47, Jan. 1976, p. 86-90.
- *HEART RATE, *IN-FLIGHT MONITORING, *PILOT PERFORMANCE, *TEST PILOTS AIRCRAFT LANDING, APPROACH, AUTOMATIC PILOTS, RESEARCH AIRCRAFT, TIME RESPONSE C52 A76-19714

- Medical-biological investigations carried out on board the Salyut 4 orbital stations GUROVSKIY, N. N. DEC. 1975 3 PAGES COSPAR Information Bulletin, no. 74, Dec. 1975, p. 34-36.
- *BIOASTRONAUTICS, *HUMAN REACTIONS, *SALYUT SPACE STATION, *SPACECRAFT ENVIRONMENTS, *WEIGHTLESSNESS AEROSPACE MEDICINE, ERGOMETERS, LONG TERM EFFECTS, ORBITAL SPACE STATIONS, PHYSICAL EXERCISE, PHYSICAL FITNESS, TREADMILLS C52 A76-19826 #

Glaser

NAME

OF52a

MAIL CODE

- Skylab experiment results EDGAR, R. FEB. 1976 9 PAGES 30 REPS. Spaceflight, vol. 18, Feb. 1976, p. 59-67.
- *APOLLO TELESCOPE MOUNT, *BIOASTRONAUTICS, *EREV, *SKYLAB PROGRAM, *SOLAR PHYSICS, *SPACECRAFT INSTRUMENTS ASTRONAUT PERFORMANCE, CRYSTAL GROWTH, HUMAN REACTIONS, KOHOUTEK COMET, MATERIALS SCIENCE, MICROWAVE RADIOMETERS, MULTISPECTRAL BAND SCANNERS, SOLAR CORONA, SOLAR MAGNETIC FIELD, SPECTROHELIOPHOTOGRAPHS C12 A76-20119
- Effect of prolonged flights on the course of chronic sacrolumbar radiculitis in flying personnel KHROMOV, V. M. BELSKII, IU. M. NOV. 1975 2 PAGES Voenno-Meditsinskii Zhurnal, Nov. 1975, p. 71, 72. In Russian.
- *BACK INJURIES, *CHRONIC CONDITIONS, *FLIGHT CREWS, *FLIGHT STRESS (BIOLOGY), *LUMBAR REGION, *POSTURE AEROSPACE MEDICINE, HUMAN PATHOLOGY, HYPODYNAMIA, SITTING POSITION, SPINE C52 A76-20295 #
- Informational problems in flight ergonomics MORAWSKI, J. M. AA(Instytut Lotnictwa, Warsaw, Poland) JAN. 1976 5 PAGES 16 REFS. Technika Lotnicza i Astronautyczna, vol. 31, Jan. 1976, p. 9-13. In Polish.
- *CYBERNETICS, *DISPLAY DEVICES, *FLIGHT INSTRUMENTS, *HUMAN FACTORS ENGINEERING, *MAN MACHINE SYSTEMS INFORMATION THEORY, LANDING AIDS, PILOT PERFORMANCE, PSYCHOMOTOR PERFORMANCE, TRANSFER OF TRAINING C54 A76-20615 #
- Evaluation of the load on a pilot's organism during agrotechnical flights, on the basis of physiological studies MARKIEWICZ, L. KORADECKA, D. KONARSKA, M. AC(Centralny Instytut Ochrony Pracy, Warsaw, Poland) JAN. 1976 4 PAGES Technika Lotnicza i Astronautyczna, vol. 31, Jan. 1976, p. 13-16. In Polish.
- *EMOTIONAL FACTORS, *FLIGHT STRESS (BIOLOGY), *PHYSIOLOGICAL RESPONSES, *PILOT PERFORMANCE, *STRESS (PSYCHOLOGY) AEROSPACE MEDICINE, LOW ALTITUDE, STATISTICAL ANALYSIS, UTILITY AIRCRAFT C52 A76-20616 #
- A preliminary comparison of laboratory methods for assigning a relative toxicity ranking to aircraft interior materials Final Report, Jul. - Oct. 1974 National Aviation Facilities Experimental Center, Atlantic City, N.J. SPURGEON, J. C. OCT. 1975 40 PAGES REPS. AD-A018148/7 FAA-NA-78-57 FAA-RD-75-37 AVAIL- NTIS HC \$4.00
- *AIRCRAFT COMPARTMENTS, *LABORATORIES, *MATERIALS, *RANKING, *TOXICITY COMBUSTION PRODUCTS, FURNACES, GAS ANALYSIS, HYDROCYANIC ACID, RATS, SMOKE C25 N76-16191 #
- Space biology and aerospace medicine, volume 9, no. 5, 1975 Joint Publications Research Service, Arlington, Va. 17 DEC. 1975 159 PAGES REFS. Transl. into ENGLISH from Kosm. Biol. Aviakosm. Med. (Moscow), v. 9, no. 5, Sep.-Oct. 1975 JPRS-66404 AVAIL- NTIS HC \$6.75
- *AEROSPACE MEDICINE, *EXOBIOLOGY AEROSPACE ENVIRONMENTS, PHYSIOLOGICAL EFFECTS, PSYCHOLOGICAL EFFECTS C51 N76-16730 #
- Correlation between the autonomic components of the orientation reaction and the nature of the information received by an airman Joint Publications Research Service, Arlington, Va. BRUSNICHKINA, R. I. In its Space Biol. and Aerospace Med., Vol. 9, No. 5, 1975 (JPRS-66404) p 78-85 (SEE N76-16730 07-51) 17 DEC. 1975 8 PAGES REFS. Transl. into ENGLISH from Kosm. Biol. Aviakosm. Med. (Moscow), v. 9, no. 5, Sep.-Oct. 1975 p 49-54
- *AUTONOMIC NERVOUS SYSTEM, *PILOT PERFORMANCE, *REFLEXES AIRCRAFT LANDING, ELECTROCARDIOGRAPHY, ELECTROMYOGRAPHY, SKIN RESISTANCE C53 N76-16733