

CRC397 Development of Research Technique for the Determination of Performance Characteristics of Lubricating Grease in Antifriction Bearings at Elevated Temperatures (450 F) and Under Thrust Loads Up to 320 Pounds
2.00 Mem. 4.00 List

CRC398 Individual Hydrocarbon Reactivity Measurements: State-of-the-Art (1966)
2.00 Mem. 4.00 List

CRC399 Study of Techniques for Converting Nitric Oxide in Automotive Engine Exhaust for Determination as Nitrogen Dioxide (1966)
1.00 Mem. 2.00 List

CRC400 1966 CRC Motor Vehicle Evaporation Loss Technique Evaluation
6.00 Mem. 10.00 List

CRC401 Diesel Exhaust Composition and Odor: Progress Report for 1965
2.00 Mem. 4.00 List

CRC402 Analysis of 1965 Road Rating Data Regular Grade Fuels and Cars
3.50 Mem. 6.00 List

CRC403 Evaluation of Expressions for Fuel Volatility (1967)
3.50 Mem. 5.00 List

CRC405 Determination of Low-Temperature Cranking Characteristics of Engine Oils at -20 F, Using CRC L-49-663 Research Test Technique (1967)
2.50 Mem. 5.00 List

CRC406 Development of Military Fuel/Lubricant/Engine Compatibility Test (1967)
2.00 Mem. 3.00 List

CRC407 Octane Number Requirement Survey - 1966
5.00 Mem. 8.00 List

CRC408 1966 CRC Interlaboratory Comparison of Exhaust Gas Emission Measurements on Four Similar Cars
4.00 Mem. 7.00 List

CRC410 Oxygen Effect in Flame Ionization Response to Hydrocarbons in Automotive Engine Exhaust (1967)
1.50 Mem. 3.00 List

CRC411 1965 CRC Motor Vehicle Hot Start and Run Tests
2.00 Mem. 4.00 List

CONFERENCE PROCEEDINGS

These are soft-cover books containing all the technical papers presented at special meetings of the Society on very specific subjects. This is the only printed form for such material.

P24 1968 INTERNATIONAL AIR CARGO - Seeks to identify problems which may inhibit the growth of air cargo, proposes solutions to these problems, and determines how to put these solutions into practice. Specifically covered are urban cargo transport planning and facilities planning.
7.00 Mem. 9.00 List

P23 1968 SPACE TECHNOLOGY - Covers future launch vehicle requirements, (post-Apollo), in-space propulsion systems, Earth orbital systems, lunar and planetary exploration. A review of prior accomplishments, and examination of current goals, and an extrapolation of the National Space Program are provided by experts from industry and government.
8.00 Mem. 12.00 List

P22 ANALYSIS AND CONTROL OF TRAFFIC FLOW - The role of technology in developing future transportation systems is emphasized in this collection of technical papers. Among the topics covered are the planning of Ohio's Transportation Research Center, application of computer simulation to the study of traffic signal systems, accidents, wave theories of traffic flow, and automatic control of freeway ramp traffic.
5.00 Mem. 7.00 List

P21 AUTOMOTIVE SAFETY DYNAMIC MODEL SYMPOSIUM - The rapidly developing tool of mathematical model simulation coupled with the electronic computer is reviewed and assessed for the future. Computer simulation of driver behavior, impact trauma, prediction of car crash response, and dynamic model validation are covered along with an actual operational model.
4.00 Mem. 6.00 List

P20 ELEVENTH STAPP CAR CRASH - Reflects a unique exchange of scientific information between engineering and medical experts from the U.S., Germany, England, Japan, and Sweden. Some 23 technical papers presented at the 1967 Conference cover car occupant protection from injuries to the spine, head, chest, and knee. Computer simulated accidents, safety performance of laminated glass, energy-absorbing steering columns, rear seat environment, experimental impact protection, and statistical analysis of 28,000 accident cases are among the subjects covered.
10.00 Mem. and List

P19 1967 INTERSOCIETY ENERGY CONVERSION ENGINEERING - Covers Brayton cycle, Rankine cycle, thermionics, thermoelectrics, photovoltaics, electrochemical devices, hydrogen-oxygen fuel cell, magnetohydrodynamics and electrogasdynamics, chemical engines and turbines, nuclear energy sources, 0-10 KW manned space power, space nuclear power (10 kw - 50 kw), manned space power, underwater power, unconventional terrestrial power, and electric automobile power. Coordinated by ASME, SAE, AIAA, IEEE, AICE, and ANS.
14.00 Mem. 20.00 List

P18 1967 AEROSPACE RELIABILITY AND MAINTAINABILITY - "All Systems Go?" is the theme of some 75 technical papers on mechanical and structural reliability, testing, human factors, system requirements for long duration space missions, data systems, mathematics developments and applications, design, system/cost effec-

tiveness, specifications and standards, safety aspects of personnel training and certification, risk appraisal for program management, and ground support equipment. Co-sponsored by SAE/ASME/AIAA.
11.00 Mem. 29.00 List

P17 1967 AEROSPACE SYSTEMS - Fluid power systems, flight control systems, weapon delivery systems, high flotation landing gear systems, deep submergence vehicle systems, ground support systems, escape systems, and many other areas are covered in over 50 papers. Sponsored by SAE.
9.00 Mem. 16.00 List

P16 1967 SPACE TECHNOLOGY - Experts relate their knowledge and experience through technical papers on low-cost orbital transportation. Future development of economical launch vehicles, space vehicle system concepts, European reusable launch vehicle studies, operations and economics, partially recoverable systems, and pacing technology implications.
8.00 Mem. 12.00 List

P15 THIRD INTERNATIONAL SIMULATION AND TRAINING CONFERENCE - Devoted to human factors in establishing training requirements, training and simulation equipment design, and development and accomplishment of the training program. These areas are covered in eighteen separate papers ranging from the use of computers for handling human factors task data to conjunctive War Gaming. Sponsored by SAE with participation of the Human Factors Society, Institute of Electrical and Electronic Engineers, and Simulation Councils, Inc.
7.00 Mem. 10.00 List

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