

- 670718 What is Human Engineering? - William Wokoun, U.S. Army Human Engineering Labs.
- 670719 Methods In Human Engineering - Richard Michaels, Bureau of Public Roads
- 670720 The Utility of Human Engineering as Applied to Vehicle Design - J. W. Dunlap, Dunlap & Assoc.
- 670831 The Challenge in Engineering Management - C. E. Hirsch, Philco-Ford
- 670832 Control of Engineering Costs and Contract Definition - E. R. Moyes, McDonnell Douglas

- 670833 The Dilemma of Technical Obsolescence - J. D. Boulgarides and V. C. San Filippo, Douglas Aircraft
- 670834 Castles, Management and Schizophrenia in Engineering - C. W. Whitston, Reg. Prof. Engr. and Assoc. Prof., Engrg., University of Southern California
- 670836 Some Suggestions on the Management of Engineering Activity - R. W. Bradshaw, Grumman
- 670839 Biosatellite Environmental Control and Life Support System Design - R. Ebersole, L. Pochettino, and W. Kugler, GE
- 680014 Holographic Applications, Present and Future - E. Leith, Univ. of Michigan

- *680196 Basic Introduction to the Analog Computer - F. D. Jury, Fisher Governor
- *680197 Use of Digital Computer in Design - D. I. Manor, Deere Dubuque Tractor
- *680195 Writing Technical Reports That Communicate - K. L. Hoer, Deere Waterloo Tractor
- *680233 A. Unique Use of Undimensioned Drawings as a Tooling Aid - A. H. Moore, North American Rockwell
- *680270 Underseas Work Vehicles - F. G. Archbold, North American Rockwell
- *680451 The Goals Report as Viewed by the Practicing Engineer - A. Weber, Corning Glass Works

SPECIAL PUBLICATIONS

Are booklets on related groups of papers, reports or SAE Journal articles. They are produced when sufficient interest in the material they contain justifies distribution as a group rather than as individual items.

AEROSPACE

- SP 293 ADVANCED FASTENERS - A group of technical papers covering environmental conditions, structural fasteners for extreme temperature utilization, fastener applications for aircraft gas turbine engines, fastener applications for aerospace vehicles, fastener technology, and airline operation and maintenance requirements for fasteners.
4.50 Mem. 6.00 List

- SP 264 A COMPUTERIZED STATIC AND DYNAMIC AIRCRAFT STRUCTURAL ANALYSIS SYSTEM - Covered are the use of computer programs in aircraft design, engineering aspects and mathematical formulation of the problem, and programming the system.
3.00 Mem. 4.00 List

- SP 261 MOBILITY OF TERRAIN - Covers the assessment of air cushion vehicles with other off-road vehicles, a lunar surface vehicle computer evaluation program, mobility prediction of ground support vehicles, system evaluation of military vehicle concepts and terrain vehicles, and vehicle mission analysis.
4.50 Mem. 6.00 List

ENGINES (SURFACE VEHICLE)

- *SP 337 GASKETS - Areas covered are: Compression creep behavior of compressible nonmetallic gaskets; proper material selection for gaskets; fasteners; recent innovations in gasket materials for static seals; new ASTM gasket classification

system; relationship between density and stress relaxation of non-metallic gasket material; and improved laboratory gasket test methods. Discussion of each area also included.

5.75 Mem. 7.50 List

- SP 290 HIGH-OUTPUT DIESELS - Contains two papers: Daimler-Benz High Output Engines - A Study in Compact Design (670519) by Otto Herschmann, and Design and Development of a Very High Output Multifuel Engine (670520) by R. T. Paluska, J. S. Saletski, and G. E. Cheklisch.
2.00 Mem. 2.75 List

- SP 284 ENGINE COOLING SYSTEMS FOR MOTOR TRUCKS - An L. Ray Buckendale Lecture by P. K. Beatenbough. Covers engine cooling, temperature control, coolant circuit, radiator structure and mountings, and auxiliary cooling requirements.
1.00 Mem. 2.00 List

- SP 282 FOUR DECADES OF ENGINE-FUEL TECHNOLOGY FORECAST FUTURE ADVANCES - 1966 SAE Horning Memorial Lecture by Earl Bartholomew. Discusses the mutual adaptation of engines and fuels during the past forty years. The resulting technology is a background for a more sophisticated attack required to meet a different but equal challenge in the future as automotive engines become more refined and operate in a more demanding environment.
1.00 Mem. 2.00 List

- SP 287 SYMPOSIUM ON AIR POLLUTION (Mexico City) - A collection of 23 technical papers (primarily in Spanish, including some English translation) on various aspects of air pollution resulting from vehicle emissions. Combustion principles, antismog hardware, and health hazards created by air pollution are discussed by engineers and medical experts. Co-sponsored by the Mexican Sections of SAE and ASME, and the Mexican Society of Pneumology and Chest Surgery. (1966)
12.00 Mem. and List

- SP 280 HIGH OUTPUT DIESEL ENGINES - Contains two papers, one titled Diesel Combustion at High MEP with Low Compression Ratio by W. P. Mansfield and W. S. May, Sr. The other paper, Recent Developments in Variables Compression Ratio Engine, is by E. F. Blackburne and J. C. Basiletti.
2.00 Mem. 2.75 List

- SP 270 POWERPLANTS FOR INDUSTRIAL AND COMMERCIAL VEHICLES - Spark-ignition, diesel, and gas turbine engines for industrial and commercial vehicles are related to the future. Performance and economic objectives for over-the-road powerplants are discussed.
4.00 Mem. 5.75 List

- SP 236 ENGINE AND CHASSIS TEST FACILITIES - Design and operational experience of indoor testing facilities for engine, chassis and vehicle testing under controlled temperature, humidity, wind, and loading conditions. Four domestic and one Spanish installation are detailed to demonstrate improved consistency of results and correlation with field tests.
3.75 Mem. 5.00 List

*New