

CALLS FOR PAPERS

FIRST AIAA ANNUAL MEETING AND TECHNICAL DISPLAY

SHERATON PARK HOTEL

JUNE 28-JULY 2, 1964

WASHINGTON, D. C.

The abstract deadline for the first AIAA Annual Meeting has been set for **November 11, 1963**. Abstracts will be accepted for all sessions, with the exceptions in the listing below, and must be submitted in triplicate. They may be from 500 to 1000 words long.

Sessions will be unclassified and will include both invited and contributed papers. Authors will be required to give a 10-minute synoptic presentation of their papers. The printed versions of these papers, however, will be full length.

The purpose of the meeting is to present a wide variety of technical papers covering the total scope of AIAA activities. Each of the AIAA technical disciplines is contributing to the meeting. A full discussion of the meeting philosophy was carried in the August editorial of *Astronautics and Aerospace Engineering*.

Papers will be accepted on the basis of the abstract, and authors are urged to be certain their abstracts contain the following information: 1) a concise statement of the problem (and possibly its genesis), or objective covered; 2) an indication of the scope and methods of approach, coupled with a statement of what is considered new or a contribution to the art; 3) a summary of important conclusions with a statement as to whether the material is new or whether similar results have been, or may be, presented or published elsewhere; 4) a brief statement of data used to substantiate conclusions, and freehand sketches of major figures to be used; 5) author(s) name, title, company affiliation, including department or section, and address; 6) complete title of paper proposed.

Abstracts should be sent to the person listed for the respective discipline, as follows:

Space and Atmospheric Physics: Francis S. Johnson, Southwest Center for Advanced Studies, P.O. Box 8478, Dallas 5, Tex. (invited papers only).

Atmospheric Environment: Robert H. Simpson, U. S. Weather Bureau, Central Office, Washington 25, D. C.

Fluid Dynamics: Milton Van Dyke, Dept. of Aeronautics and Astronautics, Stanford University, Stanford, Calif.

Plasmadynamics: Richard Head, NASA, Code AE, 400 Maryland Avenue, S.W., Washington, D. C.

Atmospheric Flight Mechanics: Leonard Sternfield, Manager, Aero-Space Mechanics Dept., Mail No. 3108, Martin Co., Baltimore 3, Md.

Astrodynamic: Eugene Levin, Head, Astrodynamic Dept., Aerospace Corp., P.O. Box 95085, Los Angeles 45, Calif.

Thermophysics: Joseph C. Richmond, Enamelled Metals Section, National Bureau of Standards, Connecticut Ave., N.W., Washington, D. C.

Propellants and Combustion: Robert A. Gross, Professor, Dept. of Mechanical Engineering, Columbia University, New York, N. Y.

Electric Power Systems: George C. Szego, Senior Member Technical Staff, Institute for Defense Analyses, 1666 Connecticut Ave., N.W., Washington 9, D. C.

Electric Propulsion: J. M. Teem, Technical Director, Electro-Optical Systems, Inc., 300 N. Halstead, Pasadena, Calif. (emphasis in this area is desired on missions, applications, and systems using electric propulsion)

Liquid Rockets: Eugene Perchonok, Aerospace Corp., 2400 East El Segundo Blvd., El Segundo, Calif.

Solid Rockets: Robert C. Anderson, Space Technology Laboratories, Inc., 1 Space Park, Redondo Beach, Calif.

Air Breathing Propulsion: Nelson Rekos, NASA Headquarters, RAP, 1520 "H" Street, N.W., Washington 25, D. C.

Nuclear Propulsion: George Dix, Space Nuclear Propulsion Office, U. S. Atomic Energy Commission, Washington 25, D. C. This Committee has a special problem since the meeting is not classified, whereas most of the work in this field is. The committee welcomes papers dealing with very specialized problems associated with the field. For example: 1) basic research in refractory materials; 2) theory of two-component gaseous separation at high flow rates; 3) special control problems of nuclear ramjets; 4) two-phase transient heat transfer with hydrogen; 5) theory of weak supports for high steady loads; 6) advances in gaseous heat transfer.

Underwater Propulsion: William D. White, Head, Thermodynamics Branch, U. S. Naval Ordnance Test Station, 3202 E. Foothill Blvd., Pasadena 8, Calif.

Communications: Burton I. Edelson, Executive Office of the President, National Aeronautics and Space Council, Washington 25, D. C.

Instrumentation: Max A. Lowy, Systems Integration Manager, Gulton Industries, 212 Durham Ave., Metuchen, N. J.

Guidance and Control: Robert C. Langford, Dir., Aerospace Research Center, General Precision, Inc., 1150 McBride Ave., Little Falls, N. J.

Structural Dynamics: H. M. Davis, ASRMCM-1, Flight Control Laboratory, ASRMC, Aero Systems Div., Wright-Patterson AFB, Ohio.

Structures: John M. Hedgepeth, Martin Marietta Corp., Space Systems Div., Mail No. 3097, Baltimore 3, Md.

Materials: James W. Mar, Silver Birch Lane, Lincoln, Mass. or Dept. of Aeronautics and Astronautics, Massachusetts Institute of Technology, Cambridge 39, Mass.

Aircraft Design: C. A. Lau, Manager, Plans and Programs, Aeronautics & Missiles Div., Chance Vought Corp., P.O. Box 5907, Dallas 22, Tex.

Aircraft Operations: Harold Hoekstra, Chief, Engineering and Safety Program Div., Aircraft Development Service, Federal Aviation Agency, Washington 25, D. C.

Spacecraft: Oran Nicks, Director, Lunar Planetary Programs, Office of Space Sciences, NASA, Washington 25, D. C.

Entry Vehicles: Robert Whalen, Aerospace Corp., 111 Mill St., San Bernardino, Calif.

Launch Vehicles and Missiles: Douglas Hege, Manager, Advanced Project, Rocketdyne, a Div. of NAA, Inc., 6633 Canoga Ave., Canoga Park, Calif.

Marine Systems: John B. Parkinson, Chief, Aerodynamics Research Programs, NASA, Washington 25, D. C. (although Mr. Parkinson will receive all candidate papers, W. H. Arata of Northrop Corp. will be the Session Organizer)

Flight Testing: G. A. La Rocca, North American Aviation, Inc., 12214 Lakewood Blvd., Downey, Calif.

Ground Testing: Jack Vogel, Director, Quality Assurance, United Technology Center, P.O. Box 358, Sunnyvale, Calif.

Ground Support Equipment: R. A. Schmidt, Chief of Launch Support, Launch Vehicle and Propulsion Section, Office of Manned Space Flight, NASA, Washington 25, D. C.

Reliability and Maintainability: The committee has asked that abstracts in this area be submitted for consideration in the SAE/ASME/AIAA Aerospace Reliability and Maintainability Conference to be held June 29-July 1 at the Statler Hilton Hotel, Washington, D. C. Send abstracts to John de S. Coutinho, Chief, Reliability Control, Grumman Aircraft Engineering Co., LEM Plant 25, Bethpage, N. Y.

Life Sciences and Systems: Bernard Wagner, Professor of Pathology, New York Medical College, 1249 Fifth Ave., New York 29, N. Y.

Management: H. M. Gurin, RCA Astro Electronics Div., P.O. Box 800, Princeton, N. J. (papers sought particularly in areas of cost sharing, incentive and fixed price contracting methods, management review of methods of control (PERT, etc.), technical personnel motivation, and project management involving organization and program direction)

Law Sociology: Howard Taubenfeld, Law School, Southern Methodist University, Dallas 5, Tex. (invited papers only).