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LIST OF
TECHNICAL PAPERS AND ARTICLES
1958 THROUGH 1962

(Including a section on technical documents
published by current personnel prior to
employment by Army Missile Command)

1 July 1963



U.S. ARMY MISSILE COMMAND
Redstone Arsenal, Alabama

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FORWORD

LIST OF

TECHNICAL PAPERS AND ARTICLES

1958 THROUGH 1962

(Including a section on technical documents
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Long Range Planning Section
Supporting Research Branch
Future Missile Systems Division
Directorate of Research and Development
U. S. Army Missile Command
Redstone Arsenal, Alabama

FOREWORD

This report contains information on technical writings by Army Missile Command personnel other than the formal reports compiled in "List of Technical Documents Published During the Years 1958 Through 1962," dated 1 June 1963. Covered herein are the papers presented to professional and technical societies, articles published in scientific and technical journals, and technical papers produced by present Command employees for previous employers. The information used in assembling these lists was obtained from library records and in response to a request circulated among the employees of the various Research and Development organizations, and was, understandably, far from complete. Presentations and articles are normally recorded or remembered only by the individual author, and the records have been lost due to transfer or lapse of time. The third category, those documents prepared for other employers, is most poorly represented; proprietary rights prevented the recording or transfer of much of the information. This report does, however, make readily available a considerable volume of authorship information which might otherwise be lost.

Long Range Planning Section
Supporting Research Branch
Future Missile Systems Division
Directorate of Research and Development
U. S. Army Missile Command
Redstone Arsenal, Alabama

TABLE OF CONTENTS

	Page
PAPERS PRESENTED TO PROFESSIONAL AND TECHNICAL SOCIETIES	1
ARTICLES PUBLISHED IN SCIENTIFIC AND TECHNICAL JOURNALS	17
TECHNICAL DOCUMENTS PUBLISHED BY CURRENT EMPLOYEES OF THE ARMY MISSILE COMMAND PRIOR TO THEIR COMMAND EMPLOYMENT	25

PAPERS PRESENTED TO
PROFESSIONAL AND TECHNICAL SOCIETIES
DURING THE YEAR 1958

ARMY BALLISTIC MISSILE AGENCY
ARMY ROCKET AND GUIDED MISSILE AGENCY

<u>Author</u>	<u>Title</u>	<u>Conference</u>	<u>Date</u>
Barr, T. Wharton, W.	EFFECTS OF DRIVEN OSCILLATIONS ON COMBUSTION IN TUBES	American Physical Society, Redstone Arsenal, Alabama	10 Apr 58
Barr, T. Cason, C.	EXPERIMENTS IN THERMAL IONIZED GASES AT REDSTONE ARSENAL	American Physical Society, Redstone Arsenal, Alabama	10 Apr 58
Barr, T. Wharton, W.	HIGH TEMPERATURE PLASMAS	American Chemical Society, Gainesville, Florida	11 Dec 58
Barr, T.	AN INTRODUCTION TO MAGNETOHYDRODYNAMICS AND THE HIGH TEMPERATURE PLASMA RESEARCH AT ARGMA	ARPA Meeting on Atmospheric Physics, Washington, D. C.	9 Sep 58
Barr, T.	MAGNETOHYDRODYNAMICS	Magneto hydrodynamics Work- ing Group, Diamond Ordnance Fuze Labs, Washington, D.C.	30 Jan 58
Cason, C.	Joint Author; see "Barr, T., EXPERIMENTS IN THERMAL..."		
Cason, C.	FACILITY FOR VERY HIGH TEMPERATURE MATERIALS TESTING	Ordnance Material Research Symposium, White Sands Missile Range, N. Mexico	21 May 58
Ely, R.	REVIEW OF A HIGH-SPEED TENSILE TESTING PROGRAM FOR THERMOPLASTICS	Symposium on High-Speed Testing, Plas-Tech Equip- ment Corp., Boston, Mass.	8 Dec 58
Ely, R.	SOME HIGH-SPEED TENSILE PROPERTIES FOR THERMOPLASTICS	Amer. Soc. Mechan. Engrs. Annual Meeting, New York	30 Nov 58
Ely, R.	TENSILE BEHAVIOUR OF CELLULOSE ACETATE BUTYRATE AS A FUNCTION OF RATE AND TEMPERATURE	American Physical Society, Redstone Arsenal, Alabama	10 Apr 58
Guthrie, W.	USE OF THE SUMMERFIELD BURNING RATE THEORY IN PREDICTING SOME CATALYTIC BEHAVIOUR	American Chemical Society	1958
Hallowes, J.	RESPONSE OF A NON-LINEAR SYSTEM	American Physical Society, Redstone Arsenal, Alabama	10 Apr 58
Haskins, J.	496 KEV-122 KEV CASCADE IN THE DECAY OF BA ¹³¹	American Physical Society, Redstone Arsenal, Alabama	10 Apr 58

<u>Author</u>	<u>Title</u>	<u>Conference</u>	<u>Date</u>
Hinrichs, H.	OPINION ON THE MINIMUM DATA REQUIRED TO ASSESS SOLID PROPELLANT SAFETY	JANAF Solid Propellant Meeting	May 58
Hinrichs, H. Tate, J.	THRUST CONTROL USING ROTATING ASSYMETRIC THROAT SECTIONS OR SLIDING EXPANSION CONES	JANAF Solid Propellant Meeting	May 58
Hirschler, O.	AUTOMATION IN MISSILE SYSTEMS	Conference on Automation and Computers, College of Engineering, Univ. of Texas, Austin, Texas	Jun 58
McGee, H.	FREE RADICALS AND METASTABLE ATOMS OR MOLECULES AS ULTRA-ENERGY PROPELLANTS	American Chemical Society Regional Meeting, University of Florida, Gainesville, Florida	13 Dec 58
Murphree, W.	SOME COMMENTS ON LOW SPEED WIND TUNNEL	Ordnance Design Engineers Conference on Fluid Mechanics and Aerodynamics, Old Point Comfort, Va.	26 Mar 58
Norman, J.	SATELLITE ORBITS AND ROCKET TRAJECTORIES	NACA Sub-Committee on Rocket Engines, Cleveland, Ohio	17 Sep 58
Pierce, E. Tate, J. Williams, H.	DEVELOPMENT OF HIGH PERFORMANCE PLASTISOL DOUBLE-BASE PROPELLANTS SUITABLE FOR CASE BONDING	JANAF Solid Propellant Meeting	May 58
Pieruschka, E.	DELTA MODULATION	American Physical Society, Redstone Arsenal, Alabama	10 Apr 58
Pieruschka, E.	MATHEMATICAL FOUNDATION OF THE MAINTENANCE OF COMPLEX EQUIPMENT	Conference for Arsenal Mathematicians, Picatinny Arsenal, New Jersey	5 Jun 58
Pieruschka, E.	SIGNAL-TO-NOISE RATIO OF A NEW TYPE OF PULSE CODE	American Physical Society, Redstone Arsenal, Alabama	10 Apr 58
Sayles, D.	NEW APPROACHES IN SOLID PROPELLANT DEVELOPMENT	Amer.-Brit.-Can. Armaments-Explosives-Propellants Conference, London, England	1958
Shapiro, N.	BOUNDARY LAYERS	Ordnance Design Engineers Conference on Fluid Mechanics and Aerodynamics	Mar 58
Tate, J.	Joint Author; see "Pierce, E., DEVELOPMENT OF HIGH PERFORMANCE..."		
Tate, J.	SYSTEM OF ROCKET THRUST CONTROL	JANAF Solid Propellant Groups	May 1958
Tate, J.	Joint Author; see "Hinrichs, H., THRUST CONTROL USING ROTATING..."		
Todd, W.	DYNAMIC COMB FILTER	Region Three Meeting of the Inst. of Radio Engrs.	Nov 1958
Todd, W.	TRACKING COMB FILTER FOR THE DETECTION OF PULSED SIGNALS IN NOISE	Inst. of Radio Engrs. Meeting, Region Three, Atlanta, Georgia	18 Nov 58

<u>Author</u>	<u>Title</u>	<u>Conference</u>	<u>Date</u>
Wharton, W.	Joint Author; see "Barr, T., EFFECTS OF DRIVEN OSCILLATIONS..."		
Wharton, W.	Joint Author; see "Barr, T., HIGH TEMPERATURE PLASMAS..."		
Wharton, W. Williams, W.	MASS SPECTRUM ANALYSIS OF COMBUSTION PRODUCTS IN THE n-BUTANE-NITROGEN DIOXIDE FLAME	American Chemical Society, Gainesville, Florida	11 Dec 58
Wheelahan, E.	IMPROVEMENT OF SERVICE LIFE OF INGOT MOLDS	Iron and Steel Institute	31 Oct 58
White, N. C.	ROCKET PROPELLANTS	American Rocket Society	1958
Williams, H.	Joint Author; see "Pierce, E., DEVELOPMENT OF HIGH PERFORMANCE		
Williams, W.	Joint Author; see "Wharton, W., MASS SPECTRUM ANALYSIS..."		

PRESENTATIONS - 1959

ARMY BALLISTIC MISSILE AGENCY
ARMY ROCKET AND GUIDED MISSILE AGENCY

<u>Author</u>	<u>Title</u>	<u>Conference</u>	<u>Date</u>
Alford, W.	ARGMA 2 MEV VAN DE GRAAFF ACCELERATOR	Bimonthly Seminar of the Department of Physics, Auburn, University	13 Feb 59
Allan, B.	MASS SPECTROMETER, AN ANALYTICAL INSTRUMENT	Inter-Serv. Facil. Cmte. Mtg., Panama City, Fla.	19 May 59
Allan, B. Merritt, J. Wharton, W.	NITROGEN TRIFLUORIDE AS AN OXIDIZER FOR HYDROCARBONS	Southwest Regional Meeting of the American Chemical Society, Baton Rouge, Louisiana	3 Dec 59
Allan, B. Connaughton, J. Wharton, W.	OXIDIZERS FOR HIGH ENERGY PROPELLANTS	9th Tripartite AXP Research Conference, Canada	Apr 59
Alley, B. Howard, W.	COMPOSITION AND ANALYSIS OF POLYFULFIDE-TYPE BINDER COMPOSITE PROPELLANT	15th Meeting of JANAF Panel on Analytical Chemistry of Solid Propellants	Jul 59
Alley, B. Higgins, J.	X-RAY FLUORESCENCE ANALYSIS OF AGED POLYSULFIDE-AMMONIUM PERCHLORATE PROPELLANTS	15th JANAF Solid Propellant Meeting	Jun 59
Barr, T. Cason, C.	MATERIALS FOR RE-ENTRY BODIES	9th Tripartite AXP Research Conference, Canada	Apr 59
Barr, T. Cason, C.	PROBE MEASUREMENT IN PLASMA JETS	Southeastern Section, American Physical Society, New Orleans, Louisiana	10 Apr 59
Brooks, E.	DATA REDUCTION TECHNIQUES AS APPLIED TO ELECTRONIC COMPUTERS	Inter-Service Committee on Technical Facilities, Georgia Institute of Technology, Atlanta, Georgia	Jan 59
Cason, C.	Joint Author; see "Barr, T., MATERIALS FOR RE-ENTRY BODIES..."		
Cason, C.	Joint Author; see "Barr, T., PROBE MEASUREMENT IN PLASMA..."		
Connaughton, J.	Joint Author; see "Allan, B., OXIDIZERS FOR HIGH ENERGY..."		
Ely, R.	HIGH LOADING RATES STUDIES WITH THERMOPLASTICS	High Loading Rate Conference, Durham, North Carolina	25 May 59

<u>Author</u>	<u>Title</u>	<u>Conference</u>	<u>Date</u>
Ely, R.	TENSILE PROPERTIES OF THERMOPLASTICS	Inter-Service Committee on Technical Facilities Meeting, Redstone Arsenal, Alabama	25 Aug 59
Ewart, W. Taylor, R.	WEAPONS FOR THE SPACE PIONEER	Non-Nuclear Warhead Symposium, Picatinny Arsenal, Dover, New Jersey	1959
Graves, W.	THE NIKE ZEUS PROPULSION SYSTEM	15th JANAF Solid Propellant Meeting	Jun 59
Henderson, G.	RELIABILITY EVALUATION IN THE ARMY ORDNANCE MISSILE COMMAND	5th Joint Military-Industry Guided Missile Reliability Symposium	Jan 59
Higgins, J.	Joint Author; see "Alley, B., X-RAY FLUORESCENCE ANALYSIS OF AGED..."		
Holter, D.	NEW MECHANICAL SCANNING TECHNIQUE FOR INFRARED IMAGING	Infrared Info. Symposia	Jun 59
Holter, D.	NEW MECHANICAL SCANNING TECHNIQUE FOR INFRARED IMAGING	44th Meeting of Infrared Info. Symposia, Univ. of Michigan	30 Jun 59
Howard, W.	Joint Author; see "Alley, B., COMPOSITION AND ANALYSIS..."		
Howell, T.	MULTICOMPONENT FORCE MEASUREMENTS	8th Meeting of JANAF Static Test Panel, Salt Lake City, Utah	8 Dec 59
Johnston, S.	SURVEY OF NAVIGATIONAL MEASUREMENTS METHODS FOR MISSILE GUIDANCE SYSTEMS	Memphis Subsection of the Inst. of Radio Engrs.	30 Jan 59
Kobler, J.	SELECTION OF PROCESSES, ELECTRODES AND WELDING RODS	American Welding Society, Washington Chapter, Washington, D. C.	Apr 59
McCorkle, W.	RECENT DEVELOPMENTS IN HIGH ACCURACY FREE ROCKET WEAPONS SYSTEMS	9th Tripartite AXP Research Conf., Canada	Apr 59
Merritt, J.	Joint Author; see "Allan, B., NITROGEN TRIFLUORIDE AS AN..."		
Newman, W.	STANDARD COLOR CODES AND COLOR TOLERANCES FOR COMMUNICATION WIRES & CABLES	8th Annual Wire and Signal Symposium	1959
Pettey, R.	DEVELOPMENT OF ENVIRONMENTAL CONTROL SYSTEMS FOR MISSILES	North Ala. Chapter, Amer. Soc. of Heating, Refrigeration and Air-conditioning Engrs.	Dec 59
Pierce, E. Tate, S. Williams, H.	HIGH PERFORMANCE NITROCELLULOSE PLASTISOL PROPELLANT	9th Tripartite AXP Research Conference, Canada	Apr 59
Roberts, T.	INSTANTANEOUS CORROSION	Inter-Service Committee on Technical Facilities Meeting, Chattanooga, Tenn.	17 Nov 59

<u>Author</u>	<u>Title</u>	<u>Conference</u>	<u>Date</u>
Roberts, T.	PLASMA JET AS A HYPERTHERMAL TEST FACILITY	Inter-Service Committee on Technical Facilities, Southeastern, Vicksburg, Mississippi	10 Mar 59
Roberts, T.	SPECTROSCOPIC ANALYSES OF ARGON PLASMA JETS	Southeastern Section, American Physical Society, New Orleans, Louisiana	10 Apr 59
Tate, S.	Joint Author; see "Pierce, E., HIGH PERFORMANCE NITROCELLULOSE..."		
Taylor, R.	Joint Author; see "Ewart, W., WEAPONS FOR THE SPACE..."		
Wharton, W.	Joint Author; see "Allan, B., NITROGEN TRIFLUORIDE AS AN..."		
Wharton, W.	Joint Author; see "Allan, B., OXIDIZERS FOR HIGH ENERGY..."		
Whitaker, S.	PROCEDURES USED BY ARGMA FOR CATALOGING TECHNICAL REPORTS	First Ordnance Workshop for Army Librarians, Watertown Arsenal, Mass.	5 Nov 59
Williams, H.	HIGH PERFORMANCE NITROCELLULOSE PLASTISOL PROPELLANT	Army Science Conference	Jun 59
Williams, H.	Joint Author; see "Pierce, E., HIGH PERFORMANCE NITROCELLULOSE..."		
Woodbridge, D.	RADIATION MEASUREMENTS FROM RE-ENTRY OF JUPITER IRBM	Infrared Info. Symposia	May 59
Woodbridge, D.	RE-ENTRY RADIATION MEASUREMENTS DURING IRMP 58	Infrared Info. Symposia	May 59

PRESENTATIONS - 1960

ARMY BALLISTIC MISSILE AGENCY
ARMY ROCKET AND GUIDED MISSILE AGENCY

Author			
Adams, W.	USE OF THE DIFFERENTIAL THERMAL ANALYZER AS A MEANS OF BURNING RATE CATALYST SCREENING	Thiokol Annual Corporate Meeting	Jul 60
Alford, W.	APPLICATIONS OF THE 2 MEV VAN DE GRAFF ACCELERATOR TO NEUTRON EXPERIMENTS	Inter-Service Committee on Technical Facilities, Gainesville, Florida	17 May 60
Alford, W. Koehler, D.	CROSS SECTION FOR BR ⁷⁹ (n, 2n)BR ⁷⁸ REACTIONS	American Physical Society, Gatlinburg, Tennessee	7 Apr 60
Alford, W. Koehler, D.	CROSS SECTION FOR THE ZN ⁶⁴ (n, 2n)ZN ⁶³ , AG ¹⁰⁷ (n, 2n)AG ¹⁰⁶ and BR ⁷⁹ (2, 2n)BR ⁷⁸ REACTIONS	2nd Symposium of Ordnance Physicists, OOR, Durham, North Carolina	24 May 60
Allan, B. Connaughton, J. Williams, W. Wharton, W.	EXPERIMENTS IN OSCILLATORY COMBUSTION	Annual Meeting of Liquid Propulsion Information Agency, San Diego, California	3 Nov 60
Arnquist, W. Woodbridge, D	BLACK KNIGHT RE-ENTRY MEASUREMENTS	Antimissile Research Advisory Council	Jul 60
Barr, T. Cason, C.	SIMPLE ANALYSIS OF DOUBLE PROBE PHENOMENA	2nd Symposium of Ordnance Physicists, OOR, Durham, North Carolina	24 May 60
Barr, T. Roberts, T.	STUDIES OF THE ELECTROMAGNETIC RADIATION FROM A FULLY IONIZED PLASMA DEVICE	American Physical Society, Gatlinburg, Tennessee	7 Apr 60
Barr, T. Cason, C.	USE OF FLOATING DOUBLE PROBES IN ARC PLASMA ANALYSIS	American Physical Society, Gatlinburg, Tennessee	7 Apr 60
Bunn, F.	MOBILITY OF MISSILE LAUNCH EQUIPMENT IN THE ARCTIC	Ordnance Corps Symposium, San Antonio, Texas	Sep 60
Cason, C.	Joint Author; see "Barr, T., SIMPLE ANALYSIS OF DOUBLE..."		
Cason, C.	Joint Author; see "Barr, T., USE OF FLOATING DOUBLE..."		
Cason, C. Holeman, J. Stone, W.	WATER TO WATER ARC	American Physical Society, Gatlinburg, Tennessee	7 Apr 60
Clapp, R.	OCCURRENCE OF FIBER ORIENTATION IN THIN IRON FILMS	American Physical Society, Gatlinburg, Tennessee	7 Apr 60
Connaughton, J.	Joint Author; see "Allan, B., EXPERIMENTS IN OSCILLATORY..."		
Copeland, J. Tyler, W.	LUNAR TEMPERATURE MEASUREMENTS AT 8.6MM WAVELENGTH	American Astronomical Society, New York, N. Y.	28 Dec 60

<u>Author</u>	<u>Title</u>	<u>Conference</u>	<u>Date</u>
Doner, R.	EFFECTS OF AIMING POINT PATTERNS ON BOMB SALVO TARGET COVERAGE	Design of Experiments in Army Research & Testing, Aberdeen Proving Ground, Maryland	19 Oct 60
Graham, D.	FIELD PROTECTIVE MEASURES AND HUMAN ENGINEERING-PROBLEMS IN THULE, GREENLAND	Symposium on the Environmental Factors Influencing Optimum Operation of Ordnance Material	Sep 60
Graves, W.	THE NIKE ZEUS PROPULSION PROGRAM	16th JANAF Solid Propellant Meeting	Jun 60
Henderson, G.	FALLACY OF PET AS A QUALITY CONTROL TECHNIQUE	6th Joint Military-Industry Guided Missile Reliability Symposium	15 Feb 60
Holeman, J.	Joint Author; see "Cason, C., WATER TO WATER ARC..."		
Howell, T.	MULTI-COMPONENT FORCE MEASURING	Inter-Service Committee on Technical Facilities Meeting, Orlando, Florida	Feb 1960
Kobler, J.	NOTCH DUCTILE WELD METAL FOR DYNAMICALLY LOADED T-1 STEEL STRUCTURES	National Meeting of American Welding Society, Los Angeles, California	Apr 60
Kobler, J.	PLANNING FOR FABRICATION: AN ENGINEERING APPROACH	American Society for Non-Restrictive Testing & American Welding Society, Baltimore, Maryland	Jan 60
Koehler, D.	Joint Author; see "Alford, W., CROSS SECTION FOR Br ⁷⁹ ..."		
Koehler, D.	Joint Author; see "Alford, W., CROSS SECTION FOR THE ZN ⁶⁴		
Roberts, T.	SIMULATION OF THE ELECTROMAGNETIC RADIATION PULSE FROM A NUCLEAR EXPLOSION AT HIGH ALTITUDE	Second Symposium of Ordnance Physicists OOR	24 May 60
Roberts, T.	Joint Author; see "Barr, T., STUDIES OF THE ELECTROMAGNETIC..."		
Stone, W.	ELECTRON CAPTURE CROSS-SECTIONS IN A MAGNETIC FIELD	American Physical Society, Division of Plasma Physics, Gatlinburg, Tenn.	2 Nov 60
Stone, W.	REACTIVE RECOMBINATION IN A MAGNETIC FIELD IN DENSE PLASMAS	2nd Symposium of Ordnance Physicists OOR	24 May 60
Stone, W.	Joint Author; see "Cason, C., WATER TO WATER ARC..."		
Tyler, W.	Joint Author; see "Copeland, J., LUNAR TEMPERATURE MEASUREMENTS..."		
Wharton, W.	Joint Author; see "Allan, B., EXPERIMENTS IN OSCILLATORY..."		
Williams, W.	Joint Author; see "Allan, B., EXPERIMENTS IN OSCILLATORY..."		

<u>Author</u>	<u>Title</u>	<u>Conference</u>	<u>Date</u>
Woodbridge, D.	Joint Author; see "Arnquist, W., BLACK KNIGHT RE-ENTRY..."		
Woodbridge, D.	MEASUREMENTS OF JUPITER RE-ENTRY RADIATION	10th International Astronautical Congress, London	1960
Woodbridge, D.	OPERATION GASLIGHT IN AUSTRALIA	ARPA Ballistic Missile Defense Range Measure- ments Steering Committee	8 Sep 60 6 Oct 60 8 Dec 60
Woodbridge, D.	RE-ENTRY MEASUREMENTS ON JUPITER MISSILES	Infrared Info. Symposia	Jan 60

PRESENTATIONS - 1961

ARMY ORDNANCE MISSILE COMMAND - ARMY BALLISTIC
MISSILE AGENCY - ARMY ROCKET AND GUIDED MISSILE AGENCY

<u>Author</u>	<u>Title</u>	<u>Conference</u>	<u>Date</u>
Alford, W. Mandeville, C.	FAST NEUTRON INDUCED ACTIVITIES IN NIOBIUM AND ZIRCONIUM	Southeastern Section of the American Physical Society, Louisville, Ky.	30 Mar 61
Allan, B. Connaughton, J. Croomes, E. Murfree, J. Wharton, W.	EXPERIMENTAL EVALUATION OF AN NF-N ₂ O ₄ HIGH ENERGY PREPACKAGEABLE PROPELLANT SYSTEM	3rd JANAF Symposium on Liquid Propellants, Miami, Florida	7 Nov 61
Allen, H.	SYNTHESIS OF CARBOXY TERMINATED LOW MOLECULAR WEIGHT POLYBUTADIENE	Joint Southeastern- Southwestern Regional American Chemical Society Mtg., New Orleans, La.	Dec 61
Barr, T. Cason, C.	PLASMA POWER SUPPLY	Southeastern Section of the American Physical Society, Louisville, Kentucky	30 Mar 61
Cason, C.	Joint Author; see "Barr, T., PLASMA POWER SUPPLY..."		
Connaughton, J.	Joint Author; see "Allan, B., EXPERIMENTAL EVALUATION OF AN NF..."		
Croomes, E.	Joint Author; see "Allan, B., EXPERIMENTAL EVALUATION OF AN NF..."		
Doner, R.	INFLUENCE FIELDS AS AIDS IN SYSTEMS ANALYSIS (A RESEARCH PROPOSAL)	7th Conference of Arsenal Mathematicians, Madison, Wisconsin	7 Jun 61
Edmondson, E.	SHILLELAGH PRESENTATION	American Ordnance Association	30 Nov 61
Gudaitis, W. Huff, J.	EVOLUTION OF THE REDSTONE-JUPITER- PERSHING DELTA MINIMUM GUIDANCE SCHEME	American Rocket Society Guidance and Control Conference	Aug 1961
Gudaitis, W.	INERTIAL GUIDANCE FOR BALLISTIC MISSILES	Huntsville Chapter of the Institute of Radio Engrs. at Annual Student Day Banquet, Huntsville, Ala.	Apr 61
Hales, W. Roberts, T.	RESONANCE TYPE MECHANISM FOR PRODUCING THE 4685.7° A IN PLASMAS BELOW 20,000° K	Southeastern Section of the American Physical Society, Louisville, Kentucky	30 Mar 61
Heithecker, H.	ARMY MISSILE STRUCTURES ACTIVITIES	NASA Research Advisory Committee on Missile & Space Vehicle Structures, Langley	21 Mar 61

<u>Author</u>	<u>Title</u>	<u>Conference</u>	<u>Date</u>
Heithecker, H.	STRUCTURAL ASPECTS OF MATERIALS RE-SEARCH	Missile Materials Seminar, Watertown Arsenal, Watertown, Massachusetts	20 Apr 61
Huff, J.	Joint Author; see "Gudaitis, W., EVOLUTION OF THE REDSTONE..."		
Kobler, J.	MATERIALS & PROCESS: THEIR ROLE IN MODERN TECHNOLOGY	Air Force Reserve Association, Huntsville, Alabama	Apr 61
Kobler, J.	NEW CONCEPT OF WELDABILITY AS APPLIED TO HIGH STRENGTH STEELS	American Ordnance Association, Production Techniques Div., Huntsville, Alabama	Mar 61
Kobler, J.	NEW CONCEPT OF WELDABILITY AS APPLIED TO HIGH STRENGTH STEELS	American Welding Society, Cincinnati Chapter, Cincinnati, Ohio	Oct 61
Kobler, J.	NEW CONCEPT OF WELDABILITY AS APPLIED TO HIGH STRENGTH STEELS	California State Polytechnic College, San Luis Obispo, California	Apr 61
Langley, W.	WEAPON SYSTEMS REQUIREMENTS-ABMA	Electrical Power Generation and Distribution - Engr. Res. & Devel. Lab	14 Jun 61
Mandeville, C.	Joint Author; see "Alford, W., FAST NEUTRON INDUCED..."		
McCorkle, W.	APPLICATION OF INERTIAL GUIDANCE TO ANTI-TANK MISSILES	Tripartite Symposium on Anti-Tank Guided Missiles	28 Feb 61
Murfree, J.	Joint Author; see "Allan, B., EXPERIMENTAL EVALUATION OF AN NF..."		
Ricks, E.	BLAST EFFECTS OF MISSILE EXHAUST AND GASES ON GROUND SUPPORT EQUIPMENT	First Symposium on Materials Compatibility with Liquid Propellants, Redstone Arsenal, Alabama	6 Jun 61
Roberts, T.	Joint Author; see "Hales, W., RESONANCE TYPE MECHANISM..."		
Schreiner, C.	APPLICATION OF OFF-ON HOT GAS ACTUATOR TO A DIRECTIONAL CONTROL SYSTEM	Propellant Devices Symposium, Frankford Arsenal	16 Jun 61
Steverding, B.	COMPATIBILITY RESEARCH IN ABMA	First Symposium on Materials Compatibility with Liquid Propellants, Redstone Arsenal, Alabama	6 Jun 61
Steverding, B.	NEW METHODS TO DETERMINE INTER-FACIAL BINDING ENERGIES	Material Science Conference, Rensselaer Polytechnic Institute, Troy, New York	18 Dec 61

<u>Author</u>	<u>Title</u>	<u>Conference</u>	<u>Date</u>
Stone, W.	ELECTRON CAPTURE CROSS-SECTION IN A MAGNETIC FIELD	Physics of Electronic and Atomic Collisions, University of Colorado, Boulder, Colorado	12 Jun 61
Wharton, W.	TRENDS AND PROBLEMS IN MATERIALS REQUIREMENTS FOR THE ARMY'S LIQUID PROPELLANT PROGRAM	First Symposium on Materials Compatibility with Liquid Propellants, Redstone Arsenal, Alabama	6 Jun 61
Wharton, W.	Joint Author; see "Allan, B., EXPERIMENTAL EVALUATION OF AN NF..."		
White, N.	ROCKET PROPELLANT COMBUSTION	Chemist & Chemical Engr. Seminar, University of Mississippi	1961

PRESENTATIONS - 1962

ARMY ORDNANCE MISSILE COMMAND
ARMY MISSILE COMMAND

<u>Author</u>	<u>Title</u>	<u>Conference</u>	<u>Date</u>
Alford, W. Koehler, D.	SM ¹⁴⁴ (n, 2n) ISOMERIC YIELD RATIO FOR 14 MEV NEUTRONS	Southeastern Section of the American Physical Society, Tallahassee, Florida	5 Apr 62
Allen, H.	CRYSTALLINITY IN SOLID PROPELLANT BINDERS	JANAF Elastomer Con- ference, San Francisco, California	Oct 62
Allen, H.	CRYSTALLIZATION OF PROPELLANT BINDERS	Army Supporting Research Review, Redstone Arsenal, Alabama	May 62
Allen, H.	CURRENT PROPELLANT POLYMERIC BINDERS	Army Elastomer Con- ference, Redstone Arsenal, Alabama	May 62
Allen, H. Howard, C.	SYNTHESIS OF CARBOXY TERMINATED POLYBUTADIENE POLYMER	Army Science Conference, West Point, New York	Jun 62
Ayers, O. Howard, C.	PLASTISOL NITROCELLULOSE PROPELLANTS, PLASTICIZED WITH N-F OXIDIZERS	Army Science Conference West Point, New York	1962
Barr, T. Cason, C. Ehrlich, J. Perkins, J.	INTERIM REPORT ON THE DESIGN AND CONSTRUCTION OF THE AOMC 8000-KW PLASMA FACILITY	Army Science Conference, U. S. Military Academy, West Point, New York	20 Jun 62
Cash, C.	COCODE RADAR	Army Science Conference at the U. S. Army Military Academy, West Point, New York	1962
Cason, C.	Joint Author; see "Barr, T., INTERIM REPORT ON THE DESIGN..."		
Crenshaw, J.	STRUCTURAL RESPONSE TO MISSILE THRUST	Army Conference on Dynamic Behavior of Ma- terials and Structures	26 Sep 62
Ely, R.	HIGH SPEED COMPRESSION TESTING OF THERMOPLASTICS	Symposium on Dynamic Behavior of Materials at the University of New Mexico, Albuquerque, New Mexico	27 Sep 62
Ehrlich, J.	Joint Author; see "Barr, T., INTERIM REPORT ON THE DESIGN..."		
Essenwanger, O.	ATMOSPHERIC ENVIRONMENTAL TEST AND DESIGN CRITERIA	Army Meterological R&D Coordination Committee, Hanover, New Hampshire	Oct 62
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Pittman, W.	PROPOSAL FOR A STATIONARY IONOSPHERE SATELLITE	Dec 60	Astrospace Labs., Huntsville, Ala.
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Sandlin, J.	DYNAMIC LOADING DUE TO LATERAL YAWING CONDITIONS AND MANEUVERS, ER 4370	Oct 60	Lockheed Aircraft Corporation
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Walters, J.	PINNED BLADE ROOT AND WHEEL LUG DESIGN PROCEDURE, AP 0221-7	20 Jan 60	Allison Division, GMC
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Wirts, N.	HYPERSONIC FLOW STUDIES TWO-DIMENSIONAL PITCHING MOMENT CHARACTERISTICS OF DOUBLE WEDGE PROFILES IN HYPERSONIC FLOW, ER 3946, PART IV	Jan 60	Lockheed Aircraft Corporation, Georgia Division

<u>Author</u>	<u>Title and Number</u>	<u>Date</u>	<u>Employer</u>
Wirts, N.	INDUCED ROLLING MOMENT DUE TO INTER-FERENCE EFFECTS BETWEEN WING AND VERTICAL FIN IN YAW AT HYPERSONIC SPEEDS, ER 691	Nov 60	Lockheed Aircraft Corporation, Georgia Division
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1961

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Caras, G.	HISTORY OF TX-174 MOTOR 18XB1 (PERSHING TEMPERATURE GRADIENT TEST VEHICLE), RPT. NO. C-A-60-373A	14 Feb 61	Thiokol Corporation
Caras, G.	POISSON'S RATIO OF SOLID PROPELLANTS AS A FUNCTION OF STRAIN RATE AND TEMPERATURE	Oct 61	Thiokol Corporation
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Pittman, W.	PROPOSAL FOR A PHYSIOLOGICAL TELEMETRY SYSTEM, submitted to Chemical Warfare Center, US Army	1961	Astrospace Labs, Huntsville, Alabama
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TECHNICAL REPORTS PUBLISHED WHILE EMPLOYED ELSEWHERE

1962

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Pope, B.	BODY DYNAMICS DURING RE-ENTRY	1962	Brown Eng. Co., Huntsville, Alabama

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