Title: Frank, Harley Papers

Call Number: Mss-2977

Inclusive Dates: 1965 – 1970

Bulk: 3.5 cu. ft.

Location: GV, Sh. 009

Historical Note: Harley Frank was born April 4, 1941, in Milwaukee and received a degree in electrical engineering from Marquette University in 1966. He began working for Allis-Chalmer's Research & Development Division in 1966, and two years later, he was transferred to the newly-created Advanced Electrochemical Products Division, a unit that was dedicated to serve NASA, the Department of Defense, and other government agencies.

Abstract: The records consist of memos, reports, technical drawings, proposals, and other ephemera that detail Frank's work with fuel cell technology.

Administrative Note: The collection was processed on May 14, 2004 by Kevin Abing.

Contents	Box #	Folder #
Allis-Chalmers Organization Charts/Information	1	1
Allis-Chalmers Fuel Cell Technology	1	2
Bourns, Inc.: Bourns Model 441 Pressure Transducer Cost & Technical Proposal for Allis Chalmers Apollo Fuel Cell Program, 1969	1	3
Bussman Mfg. Division – Acceptance Test Procedures, 1965, 1969-1970	1	4
Conductivity Cell Manufacturing Data: Instrumentation & Cell	1	5
CONRAC Transducers 70073-EM-90402	1	6
Consolidated Controls Corp. – Correspondence, Technical Drawings	1	7
Deutsch, Electronic Components Division – Technical Reprints/Drawings	1	8
Electrical Component Specifications	1	9
Engineering Orders from 635 to 3935 (1 of 3)	1	10
Engineering Orders from 635 to 3935 (2 of 3)	1	11
Engineering Orders from 635 to 3935 (3 of 3)	1	12
Fabrication Information for NASA Project (1 of 2)	1	13
Fabrication Information for NASA Project (2 of 2)	1	14
Fuel Cell	1	15
Fuel Cell Module – Vibration Tests (1 of 3)	1	16
Fuel Cell Module – Vibration Tests (2 of 3)	1	17
Fuel Cell Module – Vibration Tests (3 of 3)	1	18
Fuel Cell Operation	1	19
Genisco Technology Corp. – Bulletins, Correspondence	2	20
Gulton Industries, Inc. – Technical Proposal, 1969	2	21
Memorandums, 1966-1970	2	22

Model 3061 Pressure Transducer Capabilities	2	23
MOL Specifications: Electronic Hardware (1 of 2)	2	24
MOL Specifications: Electronic Hardware (2 of 2)	2	25
Platinum Sensor AAP QUAL	2	26
Power Supply AAP QUAL	2	27
Pressure Switch (NASA) ARC Suppression Assembly (RCFC)	2	28
Program Plan: Flight Qualification of Improved Fuel Cell Electrical Power	2	29
System		
Radiation Cooled Fuel Cell (RCFC) Work File (1 of 2)	2	30
Radiation Cooled Fuel Cell (RCFC) Work File (2 of 2)	2	31
RdF Corporation – Proposals, Data Sheets, Catalogs, Price Lists	2	32
Sensing Element, Thermistor AAP QUAL	2	33
Signal Conditioner Temperature Sensor AAP QUAL	2	34
Space Shuttle/Space Station Material, 1969-1970	2	35
Special Report Transducers 70082-TM-01627	2	36
Specifications – Fuses/Fuseholders	2	37
Status/Progress Reports, 1966-1970	3	38
Switch, Motor Operated AAP QUAL	3	39
Description and Theory of Operation, 2KW Fuel Cell, AEPD-NR Design	3	Loose in box
Review, 1969		
Assembly Procedure for Crimp Type Connections, 1969	3	Loose in box
Proposal for Multi-Purpose Electric Power Conditioner, Part 1, 1970	3	Loose in box
Proposal for Development of a Family of Electric Power Conditioners,	3	Loose in box
Part 1, 1970		
Technical Drawings/Schematic Drawings	4	