



**Finding Aid to the
Canadian Naval Technical History Association
collection
(93/110)**

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**Revised February 2015
By Warren Sinclair**

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- Canadian Naval Technical History Association collection**
- **9.8 m of textual records (49 Boxes)**
 - **12 cm of technical drawings**
 - **836 photographs: b&w; 28 x 21.5 cm or smaller**
 - **48 photographs: col; 25.5 x 20.5 cm or smaller**
 - **311 slides: 35mm**
 - **110 rolls of oversize technical drawings (12 oversize boxes).**
 - **I videocassette.**
 - **1928-2014.**

Administrative History

The Canadian Naval Technical History Association (CNTHA) is a volunteer organization working in support of the Directorate of History and Heritage (DHH) to preserve Canada's naval technical history. A major purpose of the CNTHA is to make its information available to researchers. In the early 1990s the association established the Naval Technical History Project in order to locate and correlate data concerning the technical advances made by the Royal Canadian Navy (RCN) in the years following the Second World War. The purpose was the provision of a data bank for DHH in the preparation of Volume III of the history of the RCN.

Scope and Content

Collection consists of material supporting the Canadian Naval Technical History Association's (CNTHA) Naval Technical History Project. Includes books, articles, magazines, papers, booklets, notes, technical drawings and other documents covering a variety of subjects, including marine and naval architecture, shipbuilding, ship repairing, Canadian patrol frigates, engineering, helicopters, hydrofoils, sonar, history, organization, personnel, submarines, training and weapons. Also includes technical drawings of HMCS Crescent, HMCS Crusader, HMCS New Liskeard and HMCS Bras D'Or during the 1950s and 1960s, a United Aircraft of Canada design and acquisition proposal regarding the DDH 280 class main propulsion machinery, as well as transcripts of interviews conducted by the Canadian Navy Defence Industrial Base (CANDIB). Finally, it includes minutes and agendas of CNTHA meetings, along with correspondence, from 1996 to 1999. There are 8 series:

- I. Naval Technical History Project material
- II. Marine/Naval Architecture Books and Magazines
- III. Ships' Technical Drawings
- IV. DDH 280 Class Main Propulsion Machinery Design and Acquisition Proposal
- V. Canadian Navy Defence Industrial Base Interviews
- VI. Supporting Documents for Item 449 [Canadian Naval Sonar Development]
- VII. Minutes/Agendas of Meetings
- VIII. Defence Research Establishment, Atlantic Oversize Technical Drawings

Immediate Source of Acquisition

The fonds and additional material were received:

- in 1993, 2002-2004 from Phillip R. Munro of Ottawa, Ontario,
- in 2005-2006 from Lt(N) Richard Mayne of Ottawa, Ontario,
- in 2006 from Pat Barnhouse and J.A. Thatcher of Ottawa, Ontario,
- in 2007-2008 from Lt(N) Richard Mayne and J.A. Thatcher,
- in 2008 from Lt(N) Jason Delaney,
- in 2009 from Pat Barnhouse, J.A. Thatcher and Lt(N) Jason Delaney,
- in 2010 from Pat Barnhouse, J.A. Thatcher, and Lt(N) Jason Delaney,
- in 2011-2013 from Lt(N) Jason Delaney;
- in 2012 from Defence Research and Development Canada - Atlantic. Minutes were found in two filing cabinets in the Document Collection in 2009, and
- in 2015 from Pat Barnhouse.

Other Notes

- The compact disk and the digital video disk-recordable (DVD) from Series 1 have been withdrawn from circulation.
- The compact disk from Series 3 has been withdrawn from circulation and is stored in the Classified Storage Area. Researchers must obtain permission from the Chief Archivist to view the disk.
- The 30 cassette tapes from Series 5 were transferred to Library and Archives Canada between 2007 and 2015.
- The 37 compact disks and 1 computer disk from Series 5 have been withdrawn from circulation; researchers must use the textual copies.
- Oversize material is stored in Box 44 and in Series 8, Boxes 1-12.

**Series I: Naval Technical History Project material
1928-2014. – Textual records Boxes 1-10, 18-22, & 38-48 – 836
photographs: b&w; 28 x 21.5 cm or smaller – 48 photographs: col; 25.5
x 20.5 or smaller – 311 slides: 35mm – 1 videocassette.**

Series Description

Series consists of material supporting the Canadian Naval Technical History Association's (CNTHA) Naval Technical History Project. Includes books, articles, papers, booklets, notes and other documents covering a wide variety of subjects, including shipbuilding, ship repairing, Canadian patrol frigates, engineering, helicopters, hydrofoils, sonar, personnel, submarines, training and weapons. Arranged in alphabetical order by subject code and then by author/corporate name. Includes 1 subseries:

- Item 441 – Supporting Documents for the Douglas Hearnshaw Interview with Thomas E. Bennet

Other Notes

- The one compact disk has been withdrawn from circulation; researchers must use the textual copy.
- The digital video disk-recordable (DVD) [Item 39 – HMCS Bras D’Or Hydrofoil] has been withdrawn from circulation.
- The VHS (Videocassette) “The Tracker Years” [Item 353] is stored in Box 9.
- The 35mm miscellaneous slides are stored in Box 22 File 20.

Box	Item	Title	Dates
ACC [Aircraft Carrier]			
4	34	ACC – Christie, WB – Paper <ul style="list-style-type: none"> • HMCS Bonaventure – Canadian Technical Involvement in Design and Construction 	1994
9	377	ACC – Crownsnest – Diagrams <ul style="list-style-type: none"> • Flight Decks of ‘Bonnie’ and ‘Maggie’ 	Jul 1957
4	35	ACC – Fisher, RE – Article <ul style="list-style-type: none"> • On the Beach – (Warrior grounding in the St. Lawrence) 	n.d.
2	11	ACC – Lynch, JAM – Paper <ul style="list-style-type: none"> • HMCS “Magnificent” Electrical Department Standing Orders 	ca. 1953
2	17	ACC – Reid, IJ – Notebook <ul style="list-style-type: none"> • Engineering Sketch Book – HMCS Bonaventure 	Oct 1957
7	271	ACC – Satchwell, AT – Notes <ul style="list-style-type: none"> • Aircraft Jet Fuelling Process 	Jan 1995
39	496	ACC – n.d. – Photographs <ul style="list-style-type: none"> • HMCS Bonaventure (pre-refit) and HMCS Bonaventure with five Restigouche Class DDE’s 	n.d.

Box	Item	Title	Dates
		<ul style="list-style-type: none"> 2 photographs: b&w; 15 x 21 cm 	
CCS [Command and Control Systems]			
18	425	CCS – Bowyer, BR and GW Kautz <ul style="list-style-type: none"> Integrating Aerial RPV [Remotely Piloted Vehicles] Systems into the Command and Control Structure of Small Ships 	n.d.
9	338	CCS – Carruthers, JG – Paper – Notes <ul style="list-style-type: none"> DDH 280 Command & Control, Initial Thoughts 	22 Apr 1998
7	261	CCS – Carruthers, JF – Paper <ul style="list-style-type: none"> The Automatic Data Link Plotting System (ADLIPS) 	Apr 1979
7	260	CCS – Carruthers, JF – Paper <ul style="list-style-type: none"> SHINPADS [Shipboard Integrated Processing and Display System] – A New Ship Integration Concept 	Apr 1979
7	264	CCS – Carruthers, JF – Paper <ul style="list-style-type: none"> Systems, Interfaces and Highways 	Sep 1979
47	538	CCS – CCS 280 <ul style="list-style-type: none"> Compiling System Operators Guide 	n.d.
47	542	CCS – CCS 280 – Course Notes <ul style="list-style-type: none"> Programmer’s Guide & Hints to Programming 	
46	533	CCS – Computing Devices Company – Brochure <ul style="list-style-type: none"> SHINPADS Standard Multi-Sensor Digital Display 	Mar 1984
7	263	CCS – Daniel, PR – Paper <ul style="list-style-type: none"> The Automatic Data Link Plotting System 	Mar 1985
7	262	CCS – Powell, DW – Paper <ul style="list-style-type: none"> SHINPADS –Shipboard Integrated Processing and Display System 	Mar 1985
COM [Communications]			
5	97	COM – Filewood, DC – Letter <ul style="list-style-type: none"> “H/F D/F [High Frequency / Direction Finding]; RATT [Radio Teletype]; Squash Transmission; Broad Band Reception” 	Oct 1992
9	325	COM – Proc, Jerry – Paper <ul style="list-style-type: none"> A Brief History of Naval Communication 	1998
9	329	COM – Proc, Jerry – Paper <ul style="list-style-type: none"> Beyond the 1960’s; Radio of the 1980’s; Satellite Communications; CPF [Canadian patrol Frigate] Radio Systems; Future Developments 	1998
9	328	COM – Proc, Jerry – Paper <ul style="list-style-type: none"> HMCS Haida, Communications Rooms-1962 Fitting 	1998

Box	Item	Title	Dates
9	326	COM – Proc, Jerry – Paper <ul style="list-style-type: none"> • Naval Radio Operations in WW II; Frequencies; Convoy Orders; Exam for Telegraphist; Ships’ Radio 1943; Shore Stations 	1998
9	324	COM – Proc, Jerry – Paper <ul style="list-style-type: none"> • Radio Systems Aboard HMCS Haida; table of Contents Acknowledgements; Bibliography & Glossary of Terms 	24 Jan 1998
9	327	COM – Proc, Jerry – Paper <ul style="list-style-type: none"> • Radio Ops 1950’s & 60’s; Haida’s Equipment; Fleet Ops; Bandpower; Call Signs; Trade Specs; Phonetic Alphabet 	1998
5	98	COM – Wong, MacPherson – Paper <ul style="list-style-type: none"> • Antenna Development for High Frequency Common Antenna Working 	Ca. 1963
CPF [Canadian Patrol Frigates]			
19	432	CPF – Aide Memoire <ul style="list-style-type: none"> • CPF [Canadian Patrol Frigate] 01 Blind Pilotage Capability – Provisional Acceptance 	1991
5	40	CPF – Anon – Article <ul style="list-style-type: none"> • The Frigate Decision: Not Long Now – Translation from “Aeroway” 	May 1983
5	50	CPF – Anon – Article <ul style="list-style-type: none"> • Transmitting The Power – Canadian City Class Frigates – International Defence Review No. 8 1985 	1985
5	46	CPF – Best, J – Article <ul style="list-style-type: none"> • “CPF” [Canadian Patrol Frigate]; extract from Aerospace Canada International 	Jul 1985
19	434	CPF – Briefing Note <ul style="list-style-type: none"> • Briefing note for The Minister of National Defence on Media Report on CPF [Canadian Patrol Frigate] Weight Growth 	1989
19	433	CPF – Briefing Note <ul style="list-style-type: none"> • Briefing note on The Canadian Patrol Frigate Project (Ship Replacement Program, Phases I and II) 	n.d.
5	42	CPF – Charpentier, G – Article <ul style="list-style-type: none"> • Frigates: A Decision Soon – Aeromag 	Feb 1983
5	44	CPF – D’Fama, J – Article <ul style="list-style-type: none"> • A Canadian Patrol Frigate AT LAST – Navy International 	Dec 1983
5	54	CPF – DND – Brief	Oct/Nov

Box	Item	Title	Dates
		<ul style="list-style-type: none"> Canadian Patrol Frigate Project 	1983
5	49	CPF – DND – Drawing <ul style="list-style-type: none"> CPF Unit Construction Drawings 	n.d.
5	48	CPF – DND – Drawing <ul style="list-style-type: none"> General Arrangement ECP [Engineering Change Proposal] 2082 Revision 1 	Oct 1984
38	461	CPF – DND – Pamphlet <ul style="list-style-type: none"> Canadian Patrol Frigate Project 	n.d.
38	460	CPF – DND – Pamphlet <ul style="list-style-type: none"> The Canadian Patrol Frigate 	n.d.
18	427	CPF – Envelope of Canadian Patrol Frigate Documents <ul style="list-style-type: none"> Background Information Canadian Patrol Frigate Project 3 photographs: col; 25.5 x 20.5 cm. – Bridge, Ops Room, Ship The Canadian Patrol Frigate: Today’s Technology 	n.d., 1983
18	428	CPF – FMA Consultants <ul style="list-style-type: none"> The Canadian Patrol Frigate Project Report on Industrial Benefit Achievements 	Mar 1995
5	43	CPF – Gov. – Communique <ul style="list-style-type: none"> Announcement of the CPF [Canadian patrol Frigate] contract award by Marc Lalonde 	Jun 1983
5	53	CPF – Hitesman, RI – Brief <ul style="list-style-type: none"> Media Day Brief – Combat System Capabilities 	May 1984
19	448	CPF – Kinns, Roger <ul style="list-style-type: none"> Innovation in the Canadian Patrol Frigate 	6 Jun 1996
5	39	CPF – Lamontagne, G. – Remarks <ul style="list-style-type: none"> The Canadian Patrol Frigate Program 	Dec 1980
5	45	CPF – Littlefair, JM – Article <ul style="list-style-type: none"> The Canadian Patrol Frigate – J.N.E [Journal of Naval Engineering]. Vol. 29 No. 1; Programme overview & ship general description 	Ca. 1985
43	519	CPF – Paramax Electronics Inc. – Booklet <ul style="list-style-type: none"> Introduction to the Canadian Patrol Frigate Combat System 	n.d.
38 41	462 509	CPF – Paramax Systems Canada – Booklet <ul style="list-style-type: none"> Introduction to the Canadian Patrol Frigate Combat System 	n.d.
38	456	CPF – Report <ul style="list-style-type: none"> Project Completion Report 	27 July 2005
5	47	CPF – Scott, JG – Article <ul style="list-style-type: none"> Esprit de Corps Vol. 2 Issue 5 Oct 1992 As the Pieces Come Together 	Oct 1992
5	55	CPF – SJSL – Brief	Jan 1985

Box	Item	Title	Dates
		<ul style="list-style-type: none"> CPF [Canadian Patrol Frigate] Program, Redirection – design responsibilities of SJS� [Saint John Shipbuilding Limited] and sub-contractors 	
5	51	CPF – Sutherland, RA – Brief <ul style="list-style-type: none"> The CPF [Canadian Patrol Frigate]; Today’s Technology – presented to destroyer / cruiser technology symposium at Biloxi and Pascagoula Miss. 	Oct 1986
5	41	CPF – Ward, Peter – Article <ul style="list-style-type: none"> Manuscript for Canadian Business – CPF [Canadian Patrol Frigate] program aspects 	Oct 1979
5	52	CPF – Zutler, GM – Brochure <ul style="list-style-type: none"> The Paramax System Test and Support Facility 	Feb 1985
39	495	CPF – n.d. – Photographs <ul style="list-style-type: none"> Photographs (colour) – HMCS Halifax Pre-Commissioning 	n.d.
DDE [Destroyers, Escort]			
5	56	DDE – Anon – Article <ul style="list-style-type: none"> Conversion Makes HMCS Terra Nova one of the most efficient ASW ships in the fleet – Canadian Shipping & Marine Engineering News 	Mar 1969
5	59	DDE – Can Shipping – Paper <ul style="list-style-type: none"> First of the Sub Killers (HMCS St. Laurent) 	Nov 1955
39	488	DDE – Canadian Shipping and Marine Engineering News – Article <ul style="list-style-type: none"> First of Sub Killers (HMCS St. Laurent), p. 28 	Nov 1955
19	430	DDE – Commissioning of HMCS St. Laurent <ul style="list-style-type: none"> Commissioning of HMCS St. Laurent at Canadian Vickers Limited, Montreal, Quebec, 29 October 1955 	1955
46	532	DDE – Correspondence <ul style="list-style-type: none"> DDE 257 radiated Underwater Noise; DN Mainguy, letter, 13 May 1960 and WM Creelman reply, 24 May 1960 	May 1960
5	61	DDE – Croswell, GG – Notes <ul style="list-style-type: none"> HMCS Restigouche 	Oct 1992
39	489	DDE – Crowsnest – Article <ul style="list-style-type: none"> Vol. 8, No. 1, Features articles on HMCS St. Laurent 	Nov 1955
5	58	DDE – Davis, SM – Paper <ul style="list-style-type: none"> The ‘St. Laurent’ Decision – Genesis of a Canadian Fleet 	n.d.
5	57	DDE – Farrell, KP – Article <ul style="list-style-type: none"> The St. Laurent Class; The First Canadian Designed Destroyers – An Exercise in Damage Control 	Apr 1993
5	60	DDE – Percy, AM – Paper	n.d.

Box	Item	Title	Dates
		<ul style="list-style-type: none"> • Aircraft Facilities in DDE Conversions 	
8	323	DDE – Proc, J – Paper <ul style="list-style-type: none"> • ASDIC, Radar, and IFF [Identification Friend or Foe] Systems Aboard HMCS Haida 	May 1995
9	369	DDE – Sentinel – Articles <ul style="list-style-type: none"> • Terra Nova Changes 	Sep-Oct 1968
DDH [Destroyers, Helicopter]			
7	278	DDH – Barnhouse, PDC – Notes <ul style="list-style-type: none"> • Some Recollections of the Origins of DDH280 	Oct 1995
5	67	DDH – Benn, DH – Article <ul style="list-style-type: none"> • The Propulsion Plant for the DDH-280 – Canadian Shipping & Marine Engineering News 	Mar 1969
9	362	DDH – Crowsnest – Article <ul style="list-style-type: none"> • Beartrap 	Mar/Apr 1965
9	388	DDH – Crowsnest – Article <ul style="list-style-type: none"> • Shipbuilders Briefed (5 year plan) 	Apr 1965
9	364	DDH – Crowsnest – Article <ul style="list-style-type: none"> • The Conversion Program 	Apr 1963
9	357	DDH – Crowsnest – Article <ul style="list-style-type: none"> • The New Ships 	Mar-Apr 1965
9	363	DDH – Crowsnest – Article <ul style="list-style-type: none"> • Wedding of the Sea King 	Mar-Apr 1964
5	65	DDH – Davies, K – Paper <ul style="list-style-type: none"> • A Progress Report to Late 1974 on Gas Turbine Operating Experience in the Canadian 280 Class Destroyer 	Dec 1974
45	525 A	DDH – DDH 280 Project Photographs and Commissioning Booklets <ul style="list-style-type: none"> • Volume 1 – Construction • Received from VAdm John Allan • 119 photographs: b&w; 18 x 12.5 cm • 2 photographs: b&w; 25.5 x 20.5 cm 	n.d., 1970
45	525 B	DDH – DDH 280 Project Photographs and Commissioning Booklets <ul style="list-style-type: none"> • Volume 2 – Construction • Received from VAdm John Allan • 134 photographs: b&w; 18 x 12.5 cm 	n.d.
45	525 C	DDH – DDH 280 Project Photographs and Commissioning Booklets <ul style="list-style-type: none"> • Volume 3 – HMCS Iroquois Sea Trials – Commissioning • Received from VAdm John Allan • 70 photographs: b&w; 25.5 x 20.5 cm 	1972

Box	Item	Title	Dates
		<ul style="list-style-type: none"> • 1 photograph: col; 25.5 x 20.5 cm • 1 photograph: col; 10.5 x 8.5 cm 	
45	525 D	DDH – DDH 280 Project Photographs and Commissioning Booklets (2 files) <ul style="list-style-type: none"> • Volume 4 – HMC Ships Huron & Athabaskan • Received from VAdm John Allan • 71 photographs: b&w; 25.5 x 20.5 cm or smaller • 3 photographs: col; 25.5 x 20.5 cm 	1965, 1972-1973
5	66	DDH – Dillon, RH – Article <ul style="list-style-type: none"> • Why the Navy Chose Gas Turbines – Canadian Shipping & Marine Engineering 	Mar 1973
5	68	DDH – Edwards, GL – Article <ul style="list-style-type: none"> • DDH-280s Prove They're the Best – Canadian Shipping & Maritime Engineering News 	Mar 1975
5	64	DDH – Farrell, KP – Notes <ul style="list-style-type: none"> • Coordination of the DDH Aviation Facilities 	Jan 1993
2	12	DDH – Farrell, KP – Paper <ul style="list-style-type: none"> • The DDH 280 Class Design – Presented to SNAME [Society of Naval Architects and Marine Engineers] – Includes a duplicate copy. • Another duplicate copy of the file located in Box 40, file 504 	Feb 1971
5	62	DDH – Farrell, KP – Paper <ul style="list-style-type: none"> • The DDH 280 Class Design – Marine Technology 	Jan 1972
5	63	DDH – Farrell, KP – Article <ul style="list-style-type: none"> • The DDH-280 (Iroquois) Class helicopter-carrying destroyers – The Maritime Command of Canada's Armed Forces 	Sep 1972
41	508	DDH – Litton Systems Canada Limited – Summary <ul style="list-style-type: none"> • Tribal Class Update and Modernization Project 	Jun 1988
45	527	DDH – Litton Systems Canada Limited – Booklet <ul style="list-style-type: none"> • Tribal Class Update and Modernization Project: Executive Summary 	Feb 1985
41	504	DDH – McConomy, D.J. – Paper <ul style="list-style-type: none"> • An Evolving Project Charter 	n.d.
45	529	DDH – Ministers Management Review Group – Photographic Record <ul style="list-style-type: none"> • Visit on 17 June 1972 of the DDH 280 and DDH 281 by Ministers Management Review Group • 8 photographs: b&w; 25.5 x 20.5 cm 	1972
41	511	DDH – Photos (11) <ul style="list-style-type: none"> • HMCS Athabaskan (DDH 282) Leaving Lauzon, PQ. • 11 photographs: col, 25 x 20 cm 	n.d.
45	528	DDH – Project Review Group – Photographic Record	1972

Box	Item	Title	Dates
		<ul style="list-style-type: none"> Project Review group visits to the DDH 280 HMCS Iroquois on 11 Feb and 15 Mar 1972 13 photographs: b&w; 25.5 x 20.5 cm 	
10	413	DDH – Sachs, R.M. – Article <ul style="list-style-type: none"> Description of Propulsion System for DDH-280 Class Gas Turbine Destroyers – Includes a duplicate copy. 	Feb 1970
9	384	DDH – Sentinel – Article <ul style="list-style-type: none"> New Power Below Decks 	Nov 1965
8	320	DDH – Smith, HW – Paper <ul style="list-style-type: none"> How the DDH 280 Got Gas Turbines 	Jun 1993
10	400	DDH – United Aircraft of Canada Ltd. – Proposal <ul style="list-style-type: none"> DDH 280 Class Main Propulsion Machinery Design and Acquisition Proposal – Volume I Summary 	30 Jun 1966
39	485	DDH – n.d. – Booklet <ul style="list-style-type: none"> The Commissioning of HMCS Algonquin at Davie Shipbuilding, Lauzon, Québec 	3 Nov 1973
39	484	DDH – n.d. – Booklet <ul style="list-style-type: none"> The Commissioning of HMCS Athabaskan at Davie Shipbuilding, Lauzon, Québec (2 copies) 	30 Sep 1972
DES [Destroyers, Tribal Class]			
9	331	DES – Minogue, HD – Report <ul style="list-style-type: none"> Damage Control Report of Grounding HMCS Huron 	10 Jul 1953
9	352	DES – Chappelle, Dean – Paper <ul style="list-style-type: none"> Northern Mariner – Building a Bigger Stick. The Construction of Tribal Class Destroyers in Canada 	Jan 1995
ELC [Electricity]			
8	321	ELC – Barnhouse, PDC – Notes <ul style="list-style-type: none"> Mess deck Lighting HMCS Haida 	Dec 1997
5	93	ELC – Burchell, HG – Paper <ul style="list-style-type: none"> Application of Electricity in Warships 	Feb 1957
5	94	ELC – Cairns, EH – Paper <ul style="list-style-type: none"> The Design of a Warship's Main Electrical Wireway System 	Feb 1956
5	91	ELC – Doull, JM – Notes <ul style="list-style-type: none"> Advent of Buships Electrics and Canadian Manufacture 	Nov 1992
41	514	ELC – Engineering Officers Power Course. <ul style="list-style-type: none"> RCN [Royal Canadian Navy] Training Syllabus (Revised Mar 1962) 	Mar 1962
5	92	ELC – Gaylard, RP – Brief <ul style="list-style-type: none"> Naval Shipboard Illumination 	n.d.
41-	517	ELC – Heenan, N.I, P.S. Bray and R.M. Riddell – Booklet	n.d.

Box	Item	Title	Dates
42		<ul style="list-style-type: none"> Notes on the Electric Plant and Power Distribution System in the A/S [Anti-Submarine] Escorts (DE 205 and 257 Classes) (2 copies) 	
41	513	ELC – HMC Electrical School, Halifax – Booklet <ul style="list-style-type: none"> Power Generation and Distribution Schematic Drawings DE 257 and Class (2 copies) 	Mar 1959
41	512	ELC – Reference Notes <ul style="list-style-type: none"> Engineering Officers' Power Course (2 copies) 	1962
ENG [Engineering]			
39	471	ENG – ABCD [Atomic, Biological, Chemical Damage Control] School HMCS Stadacona – Book <ul style="list-style-type: none"> HMCS Naden, Hand book on Stability 	n.d.
39	487	ENG – ABCD School HMCS Stadacona & ABCD [Atomic, Biological, Chemical Damage Control] Training Centre HMCS Naden – Booklet <ul style="list-style-type: none"> Stability and Buoyancy 	n.d.
1	8	ENG – Admiralty – Photocopy <ul style="list-style-type: none"> Handbook for Babcock and Wilcox Y.100 Main Boiler – Description and Maintenance (BR. 2112(2)) 	Feb 1956
5	70	ENG – Anon – Paper <ul style="list-style-type: none"> Geared Steam Turbine Propulsion Unit 	n.d.
9	341	ENG – Anon – Letter <ul style="list-style-type: none"> Vibration Measurements on Cruising Turbines 	5 Jan 1954
9	345	ENG – Bailey, CD – Paper <ul style="list-style-type: none"> Y100 MAAG Gearing for A/S [Anti-Submarine] Escort Vessels for RCN [Royal Canadian Navy] 	n.d.
10	407	ENG – Baxter, LCdr AH, et al – Interim Report <ul style="list-style-type: none"> A Management Engineering Study of Maritime Systems Design Interim Report August 1967 	18 Aug 1967
5	71	ENG – Benn, DH – Paper <ul style="list-style-type: none"> Gas Turbines in Naval Ships 	Feb 1966
9	339	ENG – Benn, DH – Papers <ul style="list-style-type: none"> Propulsion Engines for the DDH-280 Helicopter Destroyers 	n.d.
9	365	ENG – Crowsnest – Article <ul style="list-style-type: none"> Atomic Power High in Naval Planning 	Feb 1958
9	359	ENG – Crowsnest – Article <ul style="list-style-type: none"> What the Next Ten Years will Bring – NATO [North Atlantic Treaty Organization] Chiefs Stress Key Role of Nuclear Power 	May 1957
5	72	ENG – Dawson, EJ – Article <ul style="list-style-type: none"> Naval Technical Review Vol. 2, No. 4, 4 qtr., 1963 The Naval Engineering Design Investigation Team 	1963

Box	Item	Title	Dates
2	10	ENG – DND [Dept. of National Defence] – Book <ul style="list-style-type: none"> • Engineering Manual for His Majesty’s Fleet (BR 16 (50)) • Duplicate copy of the file located in Box 40, file 503 	1950
1	3	ENG – DND [Dept. of National Defence] – Book <ul style="list-style-type: none"> • Engineering Manual for the Royal Canadian Navy (BRCN 5521(1)) 	Oct 1953
1	9	ENG – DND [Dept. of National Defence] – Book <ul style="list-style-type: none"> • Royal Canadian Navy Machinery Digest (BRCN 6429) – Includes a duplicate copy. 	1962
9	354	ENG – DND/DGES [Dept. of National Defence / Director General Evaluation Services] – Book <ul style="list-style-type: none"> • DDH 280 Class Main Propulsion Machinery – Performance Requirement 	1 Nov 1965
5	69	ENG – D’Ottavio, Jos – Paper <ul style="list-style-type: none"> • A Study of Naval and Merchant Marine Power Plants 	Apr 1955
5	76	ENG – Farrell, KP – Notes <ul style="list-style-type: none"> • Naval Development in Canada 	Oct 1979
5	75	ENG – Field, GS – Paper <ul style="list-style-type: none"> • Canadian Naval Research – Given to CSSRA [Canadian Shipbuilding and Ship Repairing Association] 	Feb 1953
5	73	ENG – Garstin, DJI – Paper <ul style="list-style-type: none"> • Naval Design Engineering Investigation Team (RCN [Royal Canadian Navy]) Journal Naval Engineering Vol. 10 No. 2 	n.d.
41	516	ENG - General List Officers Engineering – Notes	Mar 1962
5	74	ENG – Good, EB, Cdr RN – Paper <ul style="list-style-type: none"> • Canadian Y.100 – Journal Naval Engineering Vol. 9 No. 2 	n.d.
39	476	ENG – Lauzon, TDS – Notes <ul style="list-style-type: none"> • DDH-282 Damage Control and Fire Fighting Notes 	1 June 1972
47	544	ENG – Naval Diesel Mechanics Information – 35mm Slides <ul style="list-style-type: none"> • Cummins Bulletin 3387032-S (116 slides) • Cummins Bulletin 985565 (104 slides) • 220 slides: 35mm 	n.d.
39	490	ENG – Naval Technical Review – Article <ul style="list-style-type: none"> • Vol. 1, No. 1, First Quarter 1962, Naval Technical Services, RCN [Royal Canadian Navy] 	1962
39	491	ENG – Naval Technical Review – Article <ul style="list-style-type: none"> • Vol. 1, No. 3, Third Quarter 1962, Naval Technical Services, RCN [Royal Canadian Navy] 	1962
39	492	ENG – Naval Technical Review – Article	1963

Box	Item	Title	Dates
		<ul style="list-style-type: none"> Vol. 2, No. 3, Third Quarter 1963, Naval Technical Services, RCN [Royal Canadian Navy] 	
39	493	ENG – Naval Technical Review – Article <ul style="list-style-type: none"> Vol. 4, No. 2, Second Quarter 1965, Naval Technical Services, RCN [Royal Canadian Navy] 	1965
9	342	ENG – O’Connor, VF – Report <ul style="list-style-type: none"> Balancing of Turbine Motors at John Inglis Ltd. 	6 Nov 1953
38	450	ENG – Olivier – Article and graphs <ul style="list-style-type: none"> UK [United Kingdom] Navy Surface Warships Engines Exhaust Emissions Study with Vu-graphs 	6 Sep 2008
9	340	ENG – Philip, WS – Paper <ul style="list-style-type: none"> The Geared Steam Turbine Marine Propulsion Unit 	11 Feb 1954
2	15	ENG – Reid, IJ – Notebook <ul style="list-style-type: none"> Notebook for use in Dockyard Schools Technical Colleges and Artificer’s Training Establishments 	n.d.
2	16	ENG – Reid, IJ – Syllabus <ul style="list-style-type: none"> Royal Naval Engineering College HMS Thunderer Engineering Course, Scheme of Training and Complete Syllabuses, used by I.J. Reid 	Jan 1961
9	383	ENG – Sentinel – Article <ul style="list-style-type: none"> Revolutions in the Engine Room 	May 1969
FCS [Fire Control System]			
5	86	FCS – Doull, JM – Notes <ul style="list-style-type: none"> Mk 6 Directors in Tribal Class 	n.d.
5	85	FCS – Smith, HW – Notes <ul style="list-style-type: none"> GFCS [Gun Fire Control System] in Tribal Class 	Jan 1993
FRG [Frigates]			
9	396	FRG – Crownsnest – Article <ul style="list-style-type: none"> Cancellation of the GP [General Purpose] Frigate 	Oct-Nov 1963
5	95	FRG – Davis, SM – Paper <ul style="list-style-type: none"> Cancellation of the General Purpose Frigate – Lessons from a Quarter Century Ago 	Ca. 1988
8	307	FRG – Pomeroy, AJC – Paper <ul style="list-style-type: none"> Naval Shipbuilding Programmes. Problems of Industrial Management and Administration with Special Reference to the General Purpose Frigate Programme 	Mar 1963
5	96	FRG – Purvis, AA – Article <ul style="list-style-type: none"> The Naval Technical Review Vol. 1 Nr. 3, 3rd qtr 1962 The General Purpose Frigate 	1962
GEN [General]			

Box	Item	Title	Dates
10	408	GEN – Anon – Report <ul style="list-style-type: none"> • An Introduction to Method Study in Design 	n.d.
10	404	GEN – Anon – Report <ul style="list-style-type: none"> • Staff Report E Research, Engineering and Procurement (including the special problems in ship procurement) A Report to the Management Review Group 	May 1972
10	401	GEN – Anon – Bulletin <ul style="list-style-type: none"> • The Naval Constructors' Technical Bulletin Vol. 1 No. 8 	Jan 1957
10	402	GEN – Anon – Bulletin <ul style="list-style-type: none"> • The Naval Constructors' Technical Bulletin Vol. 1 No. 9 	Sep 1957
9	346	GEN – DND [Dept. of National Defence] – Agreement <ul style="list-style-type: none"> • Agreement Between Her Majesty The Queen & John Inglis Co. Ltd. re Purchase of Land, Plant & Equipment 	7 Mar 1952
4	31	GEN – Electrical School – Notes <ul style="list-style-type: none"> • Electrical Notes, Junior Officers' Tech & Leadership Course 	1950
41	507	GEN – ElectroOptics / Infrared & Active Shaft Grounding Documents	n.d., 1991-2002
18	422	GEN – Envelope Containing General Technology Papers <ul style="list-style-type: none"> • A Technical Appreciation of the Navy – Yesterday, Today and Tomorrow, Commodore E.C. Ball, undated • Maritime Technology at the Turn of the Century, Cmdr E.R. Ross, undated • DMCS [Director Maritime Combat Systems] Presentation to the MARE [Maritime Engineers] Seminar 2 Nov 1981 • The Technological Basis for the Navy of the Future, Cmdr E.C. Ball, 16 Nov 1981 	n.d., 1981
10	398	GEN – Garneau, Cdr Marc and Ball, Cmdr EC – Paper <ul style="list-style-type: none"> • Technology and the Canadian Navy 1953-1984 	Oct 1985
3	24	GEN – Knox, JHW – Notebook <ul style="list-style-type: none"> • Collection of Miscellaneous Data – Indexed 	n.d.
5	90	GEN – Knox, JHW – List <ul style="list-style-type: none"> • Papers Presented at CSSRA [Canadian Shipbuilding and Ship Repairing Association] Annual Technical Section Meetings 1948-1980 	n.d.
10	405	GEN – Longard, JA (Command Scientific Officer) – Report <ul style="list-style-type: none"> • A Survey of RCN [Royal Canadian Navy] Ships by the Command Scientific Officer August to October 	22 Oct 1954

Box	Item	Title	Dates
		1954	
40	450 A	GEN – MARE [Maritime Engineers] Officers’ Conference 1973 Proceedings <ul style="list-style-type: none"> • Volume 1 – Opening and General Sessions. • Volume 2 – Combat Systems Career and Technical Papers • Volume 3 – Marine Systems Career and Technical Papers • Volume 4 – Naval Architecture Career and Technical Papers 	1973
8	315	GEN – Mason, GW – Report <ul style="list-style-type: none"> • Lloyds Register of Shipping A Review of Their Relationship with the Royal Canadian Navy 	Mar 1966
7	269	GEN – Maxwell, TM – Notes <ul style="list-style-type: none"> • Naval R & D [Research & Development] – The Saga of the Plastic Toilets 	Dec 1994
6	213	GEN – Maxwell, TM – Letter <ul style="list-style-type: none"> • NTH [Naval Technical History] Project – Hydrofoil; SDL-1; Helicopters; Provider; GP [General Purpose] Frigate; Replenishment at sea 	Oct 1992
19	442	GEN – Particulars of Canadian War Vessels and Auxiliaries	n.d.
47	549	GEN – Royal Canadian Navy <ul style="list-style-type: none"> • Equipment Developments, various threads 	Mar 2014
HEL [Helicopters]			
5	84	HEL – Dalley, C. – Article <ul style="list-style-type: none"> • Maritime Warfare Bulletin, Commemorative Edition, 1985 • The Marriage of the Small Ship and the Large Helicopter 	1985
5	79	HEL – Dickinson, RJ – Paper <ul style="list-style-type: none"> • Recollections of Beartrap 	May 1983
5	80	HEL – DND [Dept. of National Defence] / NRE [Naval Research Establishment] – Paper <ul style="list-style-type: none"> • Comparative Ship Motion Trials HMCS St. Laurent & HMCS Buckingham 	Dec 1956
5	82	HEL – Douglas, RA – Paper <ul style="list-style-type: none"> • Helicopter / Ship Interface – Journal Naval Engineering Vol. 24 No. 2 	Sep 1977
5	77	HEL – Eames, MC – Paper <ul style="list-style-type: none"> • Estimated Tie-down Loads for Helicopters Landing on Destroyer Escorts at Sea 	n.d.
9	332	HEL – Frank, JF – Letter	26 Feb 1985

Box	Item	Title	Dates
		<ul style="list-style-type: none"> • Beginnings of Beartrap 	
5	78	HEL – Frank, JF – Letter <ul style="list-style-type: none"> • The Origins of Beartrap 	Feb 1983
5	81	HEL – Huson, Geo – Paper <ul style="list-style-type: none"> • History of the Helicopter Rapid Securing Device 	Sep 1985
5	83	HEL – Ward, Peter – Paper <ul style="list-style-type: none"> • Des Get long Range A/S Punch 	Mar 1964
HIS [History]			
10	412	HIS – Arnsdorf, Capt. HO – Periodical <ul style="list-style-type: none"> • The Royal Naval Engineering College Magazine; The Thunderer 	1944, 1946, 1966
6	193	HIS – Burchell, HG – Letter <ul style="list-style-type: none"> • Elect. Branch early days; Introduction of Radar & EW [Electronic Warfare]; A/CNTS [Assistant / Chief of Naval Technical Services] (Ships); Command relationships; CNTS [Chief of Naval Technical Services]; CTS [Chief of Technical Services]; Standards; Procurement 	Oct 1979
6	192	HIS – Cale, Peter – Article <ul style="list-style-type: none"> • The “Make Do and Men” Navy 	Mar 1975
9	373	HIS – Canadian Defence Quarterly – Article <ul style="list-style-type: none"> • Fleet Aircraft A Review of the Types of Aircraft Required for Naval Work 	Jul 1928
9	387	HIS – Crowsnest – Article <ul style="list-style-type: none"> • On Anchors and Cables 	May 1957
6	185	HIS – Daniel, CGH – Letter <ul style="list-style-type: none"> • Naval A/C Mtnce [Aircraft Maintenance] School; A/CTNS [Assistant / Chief of Naval Technical Services] (Air); CTO [Chief Technology Officer] & A/COS [Assistant Chief of Staff] (Air); Director Programme Control 	Nov 1979
19	431	HIS – Dean, James G. <ul style="list-style-type: none"> • Historical Notes – Combat System Engineers 	n.d.
6	186	HIS – Deane, J – Letter <ul style="list-style-type: none"> • Engineering History 	Oct 1979
48	454	HIS – DGMEM (Directorate of Marine Equipment Engineering) – Address <ul style="list-style-type: none"> • Address to the Engineering Institute of Canada Centennial Convention, Montreal 	May 1987
38	452	HIS – Edwards, Phillip RAdm – Paper and copy of photograph <ul style="list-style-type: none"> • Experience as exchange officer at MTE [Mechanical Training Establishment] HMCS Stadacona, 1958 	12 Feb 2008

Box	Item	Title	Dates
19	429	HIS – Emo, Brian <ul style="list-style-type: none"> • Peacock’s Progress 1897-1997 The First Hundred Years 	1997
6	189	HIS – Fisher, RE – Article <ul style="list-style-type: none"> • Ancient Avionics (Warrior Swordfish) 	n.d.
9	348	HIS – Fisher, ER – Letter <ul style="list-style-type: none"> • Naval Mutinies of 1949 Reconsidered 	22 Oct 1998
6	188	HIS – Fisher, RE – Article <ul style="list-style-type: none"> • Priceless Memories Lost 	n.d.
6	187	HIS – Fisher, RE – Paper <ul style="list-style-type: none"> • Recollections of an Air Electrical Officer 1946-1962 	n.d.
9	347	HIS – Fisher, ER – Paper <ul style="list-style-type: none"> • Times & Lessons Remembered – Technology & the Fleet in Transition 	n.d.
19	445	HIS – Garstin, DJI <ul style="list-style-type: none"> • The Post 1939-45 War Royal Navy Anti-Submarine Frigate with “Y.100” Machinery (Revised 27 Mar 1993) 	28 Dec 1992
6	191	HIS – Hearn, GR – Article <ul style="list-style-type: none"> • History of the First Graving Dock, Esquimalt, BC 	1962
10	409	HIS – Hopkins, Capt SE – Photographs <ul style="list-style-type: none"> • 31 photographs: b&w; 25.5 x 20.5 or smaller • 2 photographs: col; 9 x 9 cm 	Various dates
45	526	HIS – Institute of Electrical and Electronics Engineers Inc. – Article <ul style="list-style-type: none"> • Research Enterprises Ltd. And the Wartime Emergence of Radar 	Mar 1990
6	190	HIS – Knox – JHW – Paper <ul style="list-style-type: none"> • An Engineer’s Outline of RCN [Royal Canadian Navy] History • Duplicate copy located in Box 40, file 502 	Feb 1980
2	13	HIS – Knox, JHW – Letters <ul style="list-style-type: none"> • Critiques on History of HMC Dockyard Halifax N.S. 	1979
4	30	HIS – Knox, JHW – Notes <ul style="list-style-type: none"> • The RCN [Royal Canadian Navy] in Retrospect – A conference on the history of the RCN 1910-1965; preliminary notes 	Mar 1980
38	466	HIS – Monteath, R – Interview <ul style="list-style-type: none"> • Transcript of interview with VAdm [Vice-Admiral] R. St. G. Stephens 	Jan 2006
2	14	HIS – Moore, DR – Book <ul style="list-style-type: none"> • History of HMC Dockyard, Halifax, N.S. 	1968
46	531	HIS – Naval Research Establishment – Newsletters <ul style="list-style-type: none"> • Includes Jul 1946, Jan 1947, July 1947, Jan 1948, Aug 	1946-1950

Box	Item	Title	Dates
		1948, Feb 1949, Sep 1949 and Dec 1950 <ul style="list-style-type: none"> • Includes annotated photo montage • 1 photograph: b&w; 25.5 x 20.5 cm 	
7	276	HIS – Nelms, GL – Paper <ul style="list-style-type: none"> • Development in Canada Meeting the Needs of the Canadian Armed Forces 	Nov 1992
39	472	HIS – Society of Naval Architects and Marine Engineers – Book <ul style="list-style-type: none"> • Eastern Canadian Section, a History of Canadian Marine Technology 	1995
19	447	HIS – Williams, James R. <ul style="list-style-type: none"> • A History of the Canadian Industry Warship Design Capability 1945 to 2002 • Copy 2 transferred to the DHH [Directorate History and Heritage] Library • Compact Disk withdrawn from circulation; researchers must use the hard copy (Item 447) or the library copy. 	2005
39	480	HIS – n.d. – Photographs <ul style="list-style-type: none"> • Adm Timbrell’s visit to Davie shipbuilding • 14 photographs: b&w; 25.5 x 20.5 cm 	1973
45	530	HIS – n.d. – Draft Narrative <ul style="list-style-type: none"> • Naval Research Establishment History 	n.d.
HYD [Hydrofoil]			
9	343	HYD – Anon – Report <ul style="list-style-type: none"> • Hydrofoil Review Group; First Meeting 	13 Apr 1961
46	537	HYD – Canadian Westinghouse Co. Ltd., Electronics Division – Manual <ul style="list-style-type: none"> • Neliac Compiler Reference Manual for FHE-400 Hydrofoil 	Jun 1968
9	385	HYD – Crowsnest – Article <ul style="list-style-type: none"> • Hydrofoil Craft Launched 	May 1957
9	378	HYD – Crowsnest – Article <ul style="list-style-type: none"> • Hydrofoils 	Jul 1964
9	374	HYD – Crowsnest – Article <ul style="list-style-type: none"> • The New Hydrofoil 	Jul 1963
7	286	HYD – Davis, SM – Paper <ul style="list-style-type: none"> • Transition to an RCN [Royal Canadian Navy] Shipbuilding Program (Chapter 3) 	n.d.
40	[29]	HYD – de Havilland – Report <ul style="list-style-type: none"> • FHE-400 Final Design Report for Canadian Forces (Navy); with Amendments March 1972 	Dec 1971
8	322	HYD – de Havilland – Report <ul style="list-style-type: none"> • FHE 400 Hydrofoil Ship for the Royal Canadian 	Jul 1965

Box	Item	Title	Dates
		Navy. Phase A Design Report	
47	552	HYD – de Havilland Aircraft of Canada Limited – Handbook <ul style="list-style-type: none"> • Ship’s Handbook for the FHE 400 Hydrofoil Ship Bras D’Or 	May 1972
19	441	HYD – Hearnshaw, Douglas <ul style="list-style-type: none"> • Interview with Thomas E. Bennett 	14 Oct 2004
48	550	HYD – MacGillivray, Bill – Email <ul style="list-style-type: none"> • Email with copies of two photographs re Rx Craft 	11 Mar 2014
19	446	HYD – McNally, Brian J. <ul style="list-style-type: none"> • The Department of Defence Production (DDP) and its Role in the FHE 400 Hydrofoil Program, Toronto, June 2005 	Jun 2005
44	551	HYD – Photographs <ul style="list-style-type: none"> • Foil arrangements • 5 photographs: b&w; 51 x 40 cm 	n.d.
19	438	HYD – Reid, JM <ul style="list-style-type: none"> • Application of Technologies Developed for the Royal Canadian Navy’s FHE-400 Hydrofoil Project 	17 Mar 2004
10	410	HYD – Royal Canadian Navy – Manual <ul style="list-style-type: none"> • Repair Parts and Accessories Lists Hydrofoil FHE 400 	Nov 1965
7	288	HYD – Saker, MT – Paper <ul style="list-style-type: none"> • FHE 400 Bras d’Or Hydrofoil 	n.d.
7	285	HYD – Smith, HW – Paper <ul style="list-style-type: none"> • Hydrofoil Fighting Equipment Development 1964-65; Hydrofoil Working Paper 4 	Apr 1996
7	282	HYD – Smith, HW – Paper <ul style="list-style-type: none"> • Hydrofoil Fighting Equipment Progress Report 1 – December 1993; Hydrofoil Working Paper 1 	Jan 1994
7	284	HYD – Smith, HW – Paper <ul style="list-style-type: none"> • Hydrofoil Fighting Equipment Progress Report – March 1995; Hydrofoil Working Paper 3 	
7	283	HYD – Smith, HW – Paper <ul style="list-style-type: none"> • The Process of Decision Leading to a Development Prototype; Hydrofoil Working Paper 2 	Jan 1994
IBK [Icebreaker]			
5	89	IBK – Doull, JM – Notes <ul style="list-style-type: none"> • Labrador Propulsion 	Oct 1992
5	87	IBK – Howland, VF – Notes <ul style="list-style-type: none"> • HMCS Labrador 	Nov 1992
7	265	IBK – Maxwell, TM – Notes <ul style="list-style-type: none"> • Memories of HMCS Labrador 	Dec 1994
5	88	IBK – Waring, DC – Notes	Nov 1992

Box	Item	Title	Dates
		<ul style="list-style-type: none"> • Labrador 	
LOG [Logistics]			
7	270	LOG – McGregor, H – Paper <ul style="list-style-type: none"> • The Story of No. 1 Naval Air Store Depot 	Jun 1951
41	497	LOG – McNally, Brian - Paper <ul style="list-style-type: none"> • Comments on Larry Sellick Paper on DDP [Department of Defence Production] / DSS [Director of Special Services] and its Role in the Defence Industrial Base vis-à-vis the Canadian Shipbuilding Industry 	31 Mar 2010
48	556	LOG – 11900 DDH/NC (CL) TD 2300P, 26 Oct 1972 <ul style="list-style-type: none"> • DDH 280 Support Spares, covering DGMM (Director General Maritime Materiel) Presentation to Program Review Group DDH 280 on Support Spares, 21 Sep 1972 	1972
6	219	LOG – Russell, JW – Paper <ul style="list-style-type: none"> • Precis on Naval Armament Supply Matters from 1910 to 1946 	n.d.
6	218	LOG – Rutledge, JC – Paper <ul style="list-style-type: none"> • Defence Purchasing of Ships and Components 	Feb 1961
6	217	LOG – Sellick, LA – Paper <ul style="list-style-type: none"> • Canadian Procurement History 	Feb 1993
6	220	LOG – Treherne, TC – Paper <ul style="list-style-type: none"> • The Naval Supply System 1946 to 1966 	1993
MAT [Materials]			
6	139	MAT – Anon – Paper <ul style="list-style-type: none"> • The Three Faces of Corrosion – Paper for the CSSRA [Canadian Shipbuilding and Ship Repairing Association] 	Feb 1960
47	546	MAT – Barnard, K.N. – Reprint of Article <ul style="list-style-type: none"> • Corrosion of a Steel Ship in Sea Water, Defence Research Board of Canada, reprinted from Canadian Journal of Research, F, 26: 374-418 	Sep 1948
6	140	MAT – Davis, DW – Article <ul style="list-style-type: none"> • Ship Passive Protection (Part I) 	Sep 1985
1	2	MAT – DND [Dept. of National Defence] – Book <ul style="list-style-type: none"> • The Marine Corrosion Handbook (BRCN 6376) – Please see other copy in Maritime Technical Library fonds #BRCN 6376 – • Includes a duplicate copy. 	1960
1	5	MAT – DREP – Report <ul style="list-style-type: none"> • Defence Research Establishment Pacific (DREP) 	May 1979

Box	Item	Title	Dates
		Materials Annual Review 1978	
1	7	MAT – DREP [Defence Research Establishment Pacific] – Report <ul style="list-style-type: none"> West Coast Subcommittee of the Canadian Forces, Corrosion Prevention Committee. Minutes of the Twelfth Meeting 	May 1979
38	465	MAT – Lee, GK and ER Mitchell, RG Grimsey & SE Hokkins – Paper <ul style="list-style-type: none"> An Investigation of Fuel-Oil Additives to Prevent Superheater Slagging in Naval boilers, American Power Conference 1964 	1964
19	436	MAT – Shipwright Instructional Department. Mechanical Training Establishment <ul style="list-style-type: none"> Shipwright Notes for Shipwrights Training Course 	Aug 1946
19	437	MAT – Swedish Standards Association <ul style="list-style-type: none"> Standard Pictorial Surface Preparation Standards for Painting Steel Surfaces 	1967
MCY [Machinery]			
39	479	MCY – Dominion Engineering Works – Plans <ul style="list-style-type: none"> Stbd Main Gearing Mating Pattern 	22 Mar 1959
39	483	MCY – Zrodowski, JJ et al – Article <ul style="list-style-type: none"> Advanced Precision Shaving Techniques applied to High-Speed Marine Gears, SNAME [Society of Naval Architects and Marine Engineers] Spring 1953 Meeting, Boston, Mass 	1953
41	499	MCY – Edwards, J.O., A. Couture and W.A. Pollard <ul style="list-style-type: none"> HMCS Kootenay: Examination of Bearing Failures and Associated Phenomena (IR 69-85). Department of Energy, Mines and Resources, Ottawa. 	2 Dec 1969
39	486	MCY – Engh, IB & JE Roper – Presentation and plans <ul style="list-style-type: none"> Gas Turbine Power at Sea, SNAME [Society of Naval Architects and Marine Engineers] (Eastern Ontario Section) and Institute of Marine Engineers (St. Lawrence Branch), Montreal 	20 Feb 1973
39	473	MCY – Engineering Department. HMC Dockyard Halifax – Paper <ul style="list-style-type: none"> Specification for Examination of DDE/DDH Main Gearing, ENO Specification #4A 	Jan 1970
6	121	MCY – Findlay, HW – Letters <ul style="list-style-type: none"> The Y-100 engines in the RCN [Royal Canadian Navy] 	Dec 1979 – Jan 1980
19	439	MCY – Harris, William <ul style="list-style-type: none"> Marine Propulsion Transmission Systems, DMEE3 	26 Oct 2004

Box	Item	Title	Dates
		[Director Marine and Electrical Engineering3] NDHQ [National Defence Headquarters] Ottawa, 1977-1980	
6	119	MCY – Hopkins & King – Paper • Future Trends in Warship Propulsion Machinery	n.d.
38	464	MCY – Hopkins & King – Paper • Future Trends in Warship Propulsion Machinery	3 May 1985
19	435	MCY – Integrated Machinery Control System – Summary	n.d.
41	510	MCY – MAAG Gear-Wheel Company Ltd. – Paper • Turbo Gears and Marine Gears	n.d.
41	515	MCY – Machinery Digest for Destroyer Escorts 205, 206, 257 & Classes. Royal Canadian Navy.	1961
41	502	MCY – Machinery seating and propulsion gearing – Article	n.d.
38	467	MCY – Nicholas, DG and AF Hodgins & WB Harris • Musings on Warship Propulsion Machinery	30 May 2006
6	122	MCY – Nicholson, DK – Paper • Experience with Hardened & Ground Gearing in the Royal Canadian Navy	Apr 1961
19	444	MCY – Nicholson, DK • Miscellaneous Machinery Papers	1946-1996
41	501	MCY – Nicholson, DK – Article • Requirements Influencing the Design of Canadian Naval Gearing	Apr 1988
6	120	MCY – Reinhardt & Storey – Article • ASW [Anti-Submarine Warfare] Frigate Electrical Propulsion – The Way Ahead	Sep 1988
19	443	MCY – Report of Visit to UK on Adoption of Y100 Machinery	Feb 1949
6	124	MCY – Spencer, EB – Paper • Some Recent Developments in Marine Propulsion of Naval Vessels	Mar 1958
41	503	MCY – Taylor, Barry and Rashid Khan – Article • Integrated Machinery Control – The Way of the Future	May 1988
6	123	MCY – Various – Paper • A Review of Marine Gearbox Explosions; Cooper et al • The Kootenay Gearbox Explosion; DK Nicholson	Mar 1981
48	553	MCY – Wind, J. – Paper • Hub Size Selection Criteria for Controllable Pitch Propellers as a Means to Ensure Systems Integrity	8 Mar 1978
39	474	MCY – n.d. – Photographs • Various photos of MAAG gearing and machines (9 sheets)	Early 1950s
MGT [Management]			

Box	Item	Title	Dates
38	459	MGT – Chiasson, R – Paper <ul style="list-style-type: none"> • Discussion Paper – Total Systems Responsibility 	24 Aug 1988
38	455	MGT – Industry Canada – Paper-Articles-PowerPoint’s <ul style="list-style-type: none"> • Industrial & Regional Benefits Guide 	23 June 2000
38	454	MGT – Industry Canada – Paper <ul style="list-style-type: none"> • Industrial & Regional Benefits Policy 	2 May 2000
6	216	MGT – Misner, FEC – Paper <ul style="list-style-type: none"> • Systems Management as Applied to Shipbuilding. – Includes a duplicate copy 	Feb 1970
MSW [Minesweepers]			
6	221	MSW – Doull, JM – Notes <ul style="list-style-type: none"> • Non Magnetic Minesweepers 	1993
38	453	MSW – Fence MacLaren Inc – Book <ul style="list-style-type: none"> • HMCS Kingston ship characteristic book 	Sep 2000
38	451	MSW – MCDV [Maritime Coastal Defence Vessel] – Plans <ul style="list-style-type: none"> • General Arrangement drawings 	n.d.
38	469	MSW – MCDV [Maritime Coastal Defence Vessel] – Folder <ul style="list-style-type: none"> • Documentation on the occasion of the launch of HMCS Kingston 	7 Aug 1995
39	470	MSW – MCDV [Maritime Coastal Defence Vessel] – Folder <ul style="list-style-type: none"> • Containing: • A) Thatcher, JA. The Story of the Maritime Coastal Defence Vessel (MCDV) Program. • B) MCDV Build Contractor Team. • C) Thatcher, JA. An Overview of the Design of the MCDV • D) MCDV Industrial and Regional Benefits Overall Results • E) MCDV Contacts F) Commercial documents from CSE, Fenco and Halships 	1995-2006
6	222	MSW – Rackow, AD – Notes <ul style="list-style-type: none"> • Minesweeper “Eddy Current” Degaussing 	Mar 1993
MTN [Maintenance]			
6	223	MTN – Chiasson, R – Paper <ul style="list-style-type: none"> • The Total Maintenance Profile 	Sep 1985
6	224	MTN – DND [Dept. of National Defence] – Paper <ul style="list-style-type: none"> • RCN Planned Maintenance System 	Oct 1961
6	225	MTN – LE Minogue Ass. – Paper <ul style="list-style-type: none"> • Development and Evolution of Naval Maintenance Policy 	n.d.

Box	Item	Title	Dates
NAV [Navigation]			
9	336	NAV – Barnhouse, PDC – Notes • NC-1 Plot Table Fire	Mar 1998
9	395	NAV – Crowsnest – Article • The RCN's [Royal Canadian Navy] Plot	Aug 1963
6	227	NAV – Hadrill, JC – Paper • The RCN [Royal Canadian Navy] Electromagnetic Log	n.d.
6	226	NAV – Munro, PR – Paper • Speed Measurement in Ships	Feb 1958
6	228	NAV – Stachon, JA – Letter • Gyro Repeaters, EM Log, Plotting Tables	Nov 1979
NVA [Naval Aircraft]			
9	353	NVA – Bristow, A. – VHS Tape • The Tracker Years	1998
6	230	NVA – Crosswell, GG – Notes • The CS2F Tracker	Oct 1992
6	229	NVA – Fisher, RE – Article • Coming Home (Avenger)	n.d.
9	351	NVA – Fisher, ER – Paper • The Unfinished History of Canadian Naval and Maritime Aviation	15 Oct 1997
9	382	NVA – Sentinel – Article • Canadian Forces Long Range Patrol Aircraft	Aug 1975
6	231	NVA – Smith, GF – Notes • Arrestor Wires and Catapult	Nov 1992
OPS [Operations]			
6	125	OPS – DND – Memo • Report on A/S [Anti-Submarine] Warfare, North Western Atlantic area	May 1943
6	126	OPS – Gelling, WC – Paper • Defence Policy and Canadian Industrial Strategy	Apr 1979
6	232	OPS – Lynch, JAM – Paper • Radar Officers on Loan to RN [Royal Navy] Recollections of One of Them	Paper
6	127	OPS – Pharand, D – Paper • Sovereignty and the Canadian North	1985
6	128	OPS – Pullen, TC – Article • What Price Canadian Sovereignty	Sep 1987

Box	Item	Title	Dates
6	212	OPS – Waring, DC – Notes <ul style="list-style-type: none"> Electrical Branch Perspective; early construction; power sources; cabling; shock; trials 	Nov 1992
ORG [Organization]			
5	104	ORG – Anon – Paper <ul style="list-style-type: none"> Naval Magazines 	n.d.
5	101	ORG – Anon – Paper <ul style="list-style-type: none"> Overseeing of Naval Construction in Canada 	ca. 1953
5	105	ORG – Anon – Paper <ul style="list-style-type: none"> Structure of the Ordnance Branch in the Royal Canadian Navy 	n.d.
6	111	ORG – Bridgeman, AG – Letter <ul style="list-style-type: none"> Department Changes leading up to Forces Integration 	Oct 1992
5	102	ORG – Copley, LG – Paper The Ordnance Branch	Nov 1979
9	386	ORG – Crowsnest – Article <ul style="list-style-type: none"> Sciences and the Navy (ASW [Anti-Submarine Warfare] development) 	Jun 1965
5	106	ORG – Davis, SM – Paper <ul style="list-style-type: none"> Director General Ships – Includes a duplicate copy. 	n.d.
41	505	ORG – Davis, SM – Paper <ul style="list-style-type: none"> Organization for Warship Production in Great Britain and the United States 	n.d.
6	110	ORG – DND [Dept. of National Defence] – Article <ul style="list-style-type: none"> Organization Chart – “Naval Technical Services A New organization” 	ca. 1965
6	114	ORG – DND [Dept. of National Defence] – Chart <ul style="list-style-type: none"> Principal Posts in the Action Organization and their Relationship with the Command at Sea 	n.d.
6	115	ORG – DND [Dept. of National Defence] – Article <ul style="list-style-type: none"> Proposed NDHQ [National Defence Headquarters] Changes Announced; Can Forces Bulletin Vol. 7 No. 2 	Mar 1972
9	355	ORG – DND [Dept. of National Defence] – Report <ul style="list-style-type: none"> Report of the AD HOC Committee on RCN [Royal Canadian Navy] Personnel Structure (Tisdall Report) 	9 Nov 1957
6	116	ORG – DND [Dept. of National Defence] / CTS [Chief of Technical Services] – Memo <ul style="list-style-type: none"> CTS Branch Organization 	Feb 1972
6	113	ORG – Douglas, WAB – Notes <ul style="list-style-type: none"> Notes on an Interview with Capt(L) E.G. Cullwick, OBE [Officer of the Order of the British Empire], RCN [Royal Canadian Navy], (Ret'd) at Dover, 2 June 1979 	Jun 1979

Box	Item	Title	Dates
5	99	ORG – Doull, JM – Notes • EEC [Electrical Engineer-in-Chief] Activity	Nov 1992
6	215	ORG – Gardner, MT – Letter • Elec. School; Sonar; Automation; Devil; NATO [North Atlantic Treaty Organization]	Dec 1993
7	242	ORG – Hind, RR – Notes • Personal History and early EEC [Electrical Engineer-in-Chief] Days	1993
5	100	ORG – Howland, VW – Notes • Acquisition of RCAF [Royal Canadian Air Force] Station Dartmouth	Nov 1992
5	107	ORG – Judge, R – Paper • Design Services in Director General Ships	n.d.
6	112	ORG – Lynch, JAM – Paper • Formation of the RCN [Royal Canadian Navy] Electrical Branch	Apr 1993
5	108	ORG – Maxwell, TM – Paper • The Contract Design Section of Director General Ships	n.d.
7	241	ORG – Macgregor, R – Letter • Personal History, and NSHQ [Naval Service Headquarters] Organization	Oct 1979
5	103	ORG – McLeod, BG – Paper • The Ordnance Branch (JOTLC[?] Notes)	n.d.
9	334	ORG – Moore, FC – Article • RCN [Royal Canadian Navy] Engineering Branch – Reorganization	Jan 1957
6	117	ORG – Moore, FC – Paper • RCN [Royal Canadian Navy] Engineering Branch Reorganization	Jan 1959
7	240	ORG – NSHQ [Naval Service Headquarters] – Message • Post War Electrical Branch	Sep 1945
5	109	ORG – Ogle, WM – Article • Preliminary Design in Director General Ships	n.d.
6	118	ORG – Pope, CA – Paper • The Defence Research Board and How it Operates	n.d.
7	289	ORG – Davis, SM – Paper • RCN [Royal Canadian Navy] Technical Services on the Eve of Unification: Reorganization & ‘Restriction’; Third Study	n.d.
OSS [Operational Support Ships]			
7	257	OSS – Barnhouse, PD – Notes • AOR and Guns	1994

Box	Item	Title	Dates
7	277	OSS – Clarke, JY – Notes <ul style="list-style-type: none"> Underway Replenishments in the 1960's 	n.d.
9	394	OSS – Crowsnest – Article <ul style="list-style-type: none"> Cape Scott Returns (Easter Island) 	Mar-Apr 1965
9	392	OSS – Crowsnest – Article <ul style="list-style-type: none"> HMCS Provider, the RCN's [Royal Canadian Navy] First Fleet Replenishment Ship 	Nov-Dec 1963
6	184	OSS – DND [Dept. of National Defence] – Paper <ul style="list-style-type: none"> Foreword to ELD M103 (1st revision) – basic description of OSS [Operational Support Ships] capability 	Jan 1971
47	547	OSS – Drent, Jan and Janice – Email <ul style="list-style-type: none"> Aircraft-type Probe for Replenishment at Sea Hoses, email thread 	Feb 2011
9	350	OSS – Fisher, ER – Notes <ul style="list-style-type: none"> Medical Expedition to Easter Island 	1965
9	349	OSS – Fisher, ER – Extract <ul style="list-style-type: none"> Neglect of Our Engineering Heritage – The Fleet Repair Ships 	10 Nov 1998
7	266	OSS – Maxwell, TM – Notes <ul style="list-style-type: none"> Memories of HMC Ships Provider, Preserver and Protecteur 	Dec 1994
10	399	OSS – RCN Work Study Report <ul style="list-style-type: none"> Operational Support Ship – Habitability 	May 1965
2	18	OSS – Shenker, HA – Paper <ul style="list-style-type: none"> Paper presented to the SNAME [Society of Naval Architects and Marine Engineers] Operational Support Ship for the Royal Canadian Navy 	Mar 1966
10	403	OSS – Shenker, Cdr HA et al – Paper <ul style="list-style-type: none"> Operational Support Ship for the Royal Canadian Navy 	10 Mar 1966
PER [Personnel]			
7	290	PER – Baker, ES – Paper <ul style="list-style-type: none"> History of Naval Technical Personnel from 1910 to 1995 – Includes a duplicate copy. 	Jan 1997
6	132	PER – Black, W – Paper <ul style="list-style-type: none"> The MAR ENG Tech [Marine Engineer Technician] 	n.d.
7	287	PER – Brown, DK – Paper <ul style="list-style-type: none"> Sir Rowland Baker, RCNC [Royal Corps of Naval Constructors] 	1995
9	389	PER – Crowsnest – Article <ul style="list-style-type: none"> About Ranks (a briefing) 	Apr 1965

Box	Item	Title	Dates
9	372	PER – Crowsnest – Articles <ul style="list-style-type: none"> • Canadians Serve in Trials Cruiser 	Nov 1965
43	522	PER – Dean, J.G. – Documents <ul style="list-style-type: none"> • Documents pertaining to CSE employment at sea 1974 timeframe 	1974
6	138	PER – DND [Dept. of National Defence] – Booklet <ul style="list-style-type: none"> • Canadian Armed Forces Manual of Training Conduct After Capture (BRCN 124) 	1960
6	203	PER – DND [Dept. of National Defence] – Misc. Various <ul style="list-style-type: none"> • Correspondence 1943 Concerning the Establishment of the Electrical Branch and Entry of J Deane into the RCN 	1943
6	134	PER – DND [Dept. of National Defence] – Bulletin <ul style="list-style-type: none"> • Current Thinking on Future Policy regarding Coursing and Trade Grouping of Men in the Cyclic System 	Sep 1964
6	135	PER – DND [Dept. of National Defence] – Memo <ul style="list-style-type: none"> • Personnel Standardization Package 	Mar 1973
6	136	PER – DND [Dept. of National Defence] – Memo <ul style="list-style-type: none"> • Retirement of RAdm [Rear Admiral] WW Porteous 	Jun 1958
18	420	PER – Envelope of Personnel Data <ul style="list-style-type: none"> • CSE [Central Signals Establishment] Training Improvement Program • MORPS [Maritime Other Ranks Production Study] – A Trade Structure for the 90s • Control and Instrumentation Technician Aide Memoire • Is a Control and Instrumentation Occupation Required • The Marine Engineer Classification 	n.d., 1987
6	137	PER – Fisher, RE – Article <ul style="list-style-type: none"> • The Mad Hatter – (Hijinks going ashore) 	n.d.
38	457	PER – Heseltine, JCW – Paper <ul style="list-style-type: none"> • Combat System Engineers 	May 2007
6	129	PER – Howland, VW – Notes <ul style="list-style-type: none"> • Grounding of Magnificent; Exercise Trident; Design of the St. Laurent Class 	1992
6	130	PER – Howland, VW – Notes <ul style="list-style-type: none"> • The Mutinies and the Mainguy Report 	1992
6	131	PER – Irvine, BT – Article <ul style="list-style-type: none"> • MORPS [Maritime Other Ranks Production Study] from an Engineer’s Perspective 	Sep 1985
6	133	PER – Knox, JHW – Article <ul style="list-style-type: none"> • Origin of the Species “MARE [Maritime Engineers]” 	Sep 1985
43	520	PER – Officer Classification Structure – Report and Documents	1969-1970

Box	Item	Title	Dates
		<ul style="list-style-type: none"> Officer Classification Structure – Progress Report, 31 Mar 1969 A Precis Outlining the General provisions of the CF Officer Classification System, CFHQ, 2 Apr 1969 CF Officer Classification Structure – Proposal for MARE and MARS Classifications, 20 Feb 1970 	
39	494	<p>PER – Various – Photographs</p> <ul style="list-style-type: none"> 6 photographs: b&w 25 x 20 cm: A) Engineer Captain Angus Downes Mathwin Curry, OBE [Officer of the Order of the British Empire], RCN [Royal Canadian Navy] (Ret'd) B) Constructor Commodore Frank Freeborn, CD [Canadian Forces Decoration], RCN (Ret'd) C) Rear Admiral(E) William Walter Porteous, OBE, CD, RCN (Ret'd) D) Engineer Rear Admiral Gorge Leslie Stephens, CB [Companion of the Order of the Bath], CBE [Commander of the British Empire], RCN(Ret'd) E) Two photos, Demise of Engineering Branch Distinguishing Cloth 	n.d.
PRS [Persons]			
7	272	<p>PRS – Anketell-Jones, MW – Notes</p> <ul style="list-style-type: none"> RCN [Royal Canadian Navy] Technical Development. Involvement of MW Anketell-Jones 	Dec 1994
10	411	<p>PRS – Arnsdorf, Capt. HO – Journals</p> <ul style="list-style-type: none"> Midshipman's Journals 	1945
18	424	<p>RDR – Buckingham, GA</p> <ul style="list-style-type: none"> Recent Developments in Conventional Surveillance Radars 	1983
9	397	<p>PRS – Davis, SM – Autobiography</p> <ul style="list-style-type: none"> Ch II 1937 – Ch VII 1950 	Apr 1993
6	205	<p>PRS – Davis, SM – Papers</p> <ul style="list-style-type: none"> Reminiscences; Entry into RCN [Royal Canadian Navy]; Dockyard; PNO [Petty Naval Officer] Montreal; Nuclear Submarine Team; In the U.S.; at NDC [National Defence College]; DG Ships [Director General Ships]; Unification 	n.d.
6	206	<p>PRS – DND [Dept. of National Defence] – Statement</p> <ul style="list-style-type: none"> R/Adm [Rear-Admiral] J.G. Knowlton, biographical sketch on retirement 	Nov 1955
6	207	<p>PRS – DND [Dept. of National Defence] – Article</p> <ul style="list-style-type: none"> Retirement of Commodore (E) ACM Davy 	Dec 1955
6	209	<p>PRS – Dyson, R – Letter</p>	May 1993

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		<ul style="list-style-type: none"> • Early Days in the RCN [Royal Canadian Navy] 	
6	204	PRS – Henning, RV – Notes <ul style="list-style-type: none"> • Personal History; Ord [Ordnance] & Elec [Electrical] branches; Ship Design & Models; PMMS & General Purpose Frigate 	Nov 1979
6	208	PRS – Hinchcliffe, DR – Letter <ul style="list-style-type: none"> • Personal History in the RCN [Royal Canadian Navy] 	n.d.
6	211	PRS – Smith, HW – Letter Personal History in the RCN [Royal Canadian Navy]	Aug 1994
6	210	PRS – Simms, LE – Notes <ul style="list-style-type: none"> • Peacetime Experiences: Entry; Dockyard; Tech Services; HMCS Magnificent 	n.d.
RDR [Radar]			
9	375	RDR – Crowsnest – Article <ul style="list-style-type: none"> • Scatter' Radio and Radar 	Oct 1959
7	254	RDR – Grosskurth, RA – Letter <ul style="list-style-type: none"> • HDWS [High Definition Warning Sets] Radar in Athabaskan 	Jan 1993
9	337	RDR – McCullough, PS – Letter <ul style="list-style-type: none"> • Athabaskan Radar 	3 Feb 1998
9	333	RDR – Welland, RP – Letter <ul style="list-style-type: none"> • LN 27 Radar (HMCS Athabaskan) 	17 Dec 1997
SHP [Shipbuilding]			
39	481	SHP – 203 CFTSD [Canadian Forces Technical Service Detachment] – Lauzon Terms of Reference	8 Jan 1973
39	478	SHP – 203 CFTSD [Canadian Forces Technical Service Detachment] – Standing Orders <ul style="list-style-type: none"> • Standing Orders 	22 May 1972
2	19	SHP – Baker, R – Extract <ul style="list-style-type: none"> • Habitability in the Ships of the Royal Canadian Navy • Paper presented to SNAME [Society of Naval Architects and Marine Engineers] 	n.d.
7	279	SHP – Barnhouse, PDC – Article <ul style="list-style-type: none"> • The Canadian Hydrofoil Project – Maritime Engineering Journal, Winter 1985 	1985
6	157	SHP – B.J.G. – Article <ul style="list-style-type: none"> • The Birthplace of a Ship 	Aug 1952
7	243	SHP – Black, R – Paper <ul style="list-style-type: none"> • Aluminum in Shipbuilding 	Jan 1950
41	500	SHP – Blais, Jean-Jacques – Notes <ul style="list-style-type: none"> • Notes for a Statement [at a News Conference on the 	29 Jun 1983

Box	Item	Title	Dates
		Approval of the Project for the Construction of Six Patrol Frigates]	
6	155	SHP – Bray, AJ – Article <ul style="list-style-type: none"> • The Fleet Outsize Vacuum Cleaner 	n.d.
6	156	SHP – Burnett, JW – Article <ul style="list-style-type: none"> • Small Boat Programme 	n.d.
18	426	SHP – Canadian Institute of Marine Engineering Marine Engineering Digest Vol. 6 No. 2 – Articles of Interest: <ul style="list-style-type: none"> • TRUMP Boosts the Navy’s Fighting Power • VSEI [Versatile Systems Engineering] Design Support) • CANEWS for TRUMP • Indal Technologies Unveils New Helicopter Handling System 	Autumn 1986
43	519	SHP – Canadian Shipbuilding and Ship Repairing Association <ul style="list-style-type: none"> • Directory Services Products Facilities, 8th edition 	Apr 1987
38	463	SHP – Canadian Shipbuilding Industry – Booklet/Report <ul style="list-style-type: none"> • Breaking through: A Report to the Minister of Industry 	30 March 2001
9	393	SHP – Crowsnest – Article <ul style="list-style-type: none"> • ENDEAVOUR (CNAV (Canadian Naval Auxiliary Vessel), oceanographic) 	Mar-Apr 1965
9	391	SHP – Crowsnest – Article <ul style="list-style-type: none"> • Shipbuilding in Canada (S.M. Davis) 	May 1964
9	380	SHP – Crowsnest – Article <ul style="list-style-type: none"> • The Battleship’s Status 	Nov 1949
9	381	SHP – Crowsnest – Article <ul style="list-style-type: none"> • The Ships of Tomorrow – and the Ships of Yesterday 	Dec 1953
9	379	SHP – Crowsnest – Article <ul style="list-style-type: none"> • The Size and Shape of Ships 	Mar 1963
6	146	SHP – Davis, SM – Article <ul style="list-style-type: none"> • The Defence Supply Naval Shipbuilding Panel, 1955-1965 • The Northern Mariner Vol. II No. 4 October 1992 	Oct 1992
6	145	SHP – Davis, SM – Paper <ul style="list-style-type: none"> • Naval Procurement, 1950-1965 	Jun 1987
6	144	SHP – Deane, J – Paper <ul style="list-style-type: none"> • Problems and Progress of the Canadian Naval Shipbuilding Programme 	Feb 1956
8	317	SHP – DND Dept. of National Defence (DG (Director General, Ships) – Booklet <ul style="list-style-type: none"> • Book of Calculations for DDE 205 Conversion 	n.d.
8	316	SHP – DND (Dept. of National Defence), (NCC (Naval	Mar 1950

Box	Item	Title	Dates
		Constructor-in-Chief)) – Booklet <ul style="list-style-type: none"> • Book of Calculations HMCS A/S (Ânti-Submarine) Escort Vessel 	
8	318	SHP – DND (Dept. of National Defence), (NCC (Naval Constructor-in-Chief)) – Booklet <ul style="list-style-type: none"> • Royal Canadian Navy Specification for the Hull of a Tank Cleaning Barge 	Oct 1960
43	521	SHP – Douglas, W.A.B. – Email and Attachment <ul style="list-style-type: none"> • Shipbuilding in Canada during the First World War 	6 Feb 2012
6	142	SHP – Doull, JM – Notes <ul style="list-style-type: none"> • Early Shipbuilding Planning 	Nov 1992
6	153	SHP – Gilpin, JR – Article <ul style="list-style-type: none"> • A NBCW (Nuclear, Biological and Chemical Warfare) Shipboard Defence System 	n.d.
41	498	SHP – Harris, Daniel G. – Article <ul style="list-style-type: none"> • Canadian Warship Construction 1917-19: The Great Lakes and Upper St. Lawrence River Areas 	May 1989
9	344	SHP – Hunter, E – Paper <ul style="list-style-type: none"> • Quality Control in the Shipbuilding Industry 	
6	141	SHP – Judge, R – Article <ul style="list-style-type: none"> • The RCN (Royal Canadian Navy), Committee on Corrosion and Fouling • Naval Technical Review, Vol. 5 Nr. 1 1st qtr, 1964 	1964
6	151	SHP – Kimmerly, EW – Notes <ul style="list-style-type: none"> • Design Considerations – St. Laurent Hull 	1993
6	147	SHP – Long, BF – Paper <ul style="list-style-type: none"> • Network Analysis in Practical Shipbuilding 	Feb 1966
45	524	SHP – Marine Industries Limited – Album <ul style="list-style-type: none"> • Souvenir: Naming and Commissioning Ceremonies of the HMCS Huron which took place on 14 December 1972 at Marine Industries Limited, Sorel, Quebec • Received from VAdm John Allan • 11 photographs: col; 19.5 x 24 cm • 9 photographs: b&w; 19.5 x 24 cm 	1972
7	267	SHP – Maxwell, TM – Notes <ul style="list-style-type: none"> • Memories of QUEST 	Dec 1994
7	268	SHP – Maxwell, TM – Notes <ul style="list-style-type: none"> • Memories of the Naval Central Drawing Office (NCDO) and the Naval Central Procurement Agency (NSCPA) 	Dec 1994
41	506	SHP – MCDV (Marine Coastal Defence Vessel) Package <ul style="list-style-type: none"> • The Story of the Maritime Coastal Defence Vessel (MCDV) Program. J.A. Thatcher. 15 Mar 2006 • MCDV Contacts. Jun 2004 	n.d., 1989-2006

Box	Item	Title	Dates
		<ul style="list-style-type: none"> • The maritime coastal defence vessel project from project definition to in-service support. R. Rhodenizer. Apr 1996 • An Overview of the Design of the Maritime Coastal defence Vessel (MCDV). J.A. Thatcher. 3 Mar 2006 • MCDV Industrial and Regional Benefits (IRB) Overall Results. J.A. Thatcher. Mar 2006 • MCDV Build Contractor Team. J.A. Thatcher. Mar 2006 • An overview of the design of the Maritime Coastal Defence Vessel (MCDV). J.A. Thatcher. 3 Mar 2006 • Company Profile – Halifax Shipyard Limited, n.d. • MCDV Timeline. 18 Mar 2006 • Press Releases. 1991-1997 • Company Brochures and Launching / Commissioning Handouts. 1989-1995, n.d. 	
6	154	SHP – Nasmyth, PW – Article <ul style="list-style-type: none"> • The New Research Ship West Coast AGH-171 	n.d.
6	143	SHP – NSHQ (Naval Service Headquarters) Ottawa – Reprint <ul style="list-style-type: none"> • Shipbuilding in Canada during the Second World War Journal of Naval Engineering Vol. 1 No. 3 Oct 1947 	Oct 1947
8	310	SHP – Pomeroy, AJC – Paper <ul style="list-style-type: none"> • Analysis of Managerial and Administrative Problems arising out of the Requirement for Proper Control of Production and Cost and Outline Description of the Procedures Adopted 	Sep 1960
8	313	SHP – Pomeroy, AJC – Booklet <ul style="list-style-type: none"> • Condensed Master Vocabulary of Principal Ship Components and Systems by Sections and Groups 	1962
7	296	SHP – Pomeroy, AJC – Letters <ul style="list-style-type: none"> • Cost Accounting Instructions for the Identification of Components of Material and Cost: Use of DDP “SHIPCAB” and DND (Dept. of National Defence), “NAVCAT” Code Numbers - DDE 261 & Class (Repeat “Restigouche”) 	1958-1963
5	36	SHP – Pomeroy, AJC – Folio <ul style="list-style-type: none"> • DDE 261 & Class Record of Progress and Costs 	1965-1966
3	28	SHP – Pomeroy, AJC – Booklet <ul style="list-style-type: none"> • DDE 261 Class Preliminary Tabulation of Manhours; Comparison with DDE 257 Class 	Mar 1964
8	305	SHP – Pomeroy, AJC – Paper <ul style="list-style-type: none"> • Development of Canadian Shipbuilding and Heavy Engineering Industry Consideration of Possible Action 	Dec 1963

Box	Item	Title	Dates
		by Dept. of Industry	
7	298	SHP – Pomeroy, AJC – Letters <ul style="list-style-type: none"> Erection and Installation of Main Boilers Division of Contractual Responsibilities between Boiler Manufacturers and Shipbuilders - DDE 261 & Class (Repeat “Restigouche”) 	1960-1961
7	294	SHP – Pomeroy, AJC – Letters <ul style="list-style-type: none"> Implementation of Authorized Design Changes Detailed Procedure for Preparation of Estimates and Use of Form DDP (Department of Defence Production) 826 RCN (Royal Canadian Navy), Tanker / Supply AOR 508 	1961-1962
4	29	SHP – Pomeroy, AJC – Booklet <ul style="list-style-type: none"> Inventory of Principal Ship Components and Systems Analysis of Cost Based on DDE-263-4 	Jul 1965
8	312	SHP – Pomeroy, AJC – Booklet <ul style="list-style-type: none"> List of Standard Cost Sections & Groups for Shipbuilding & Repairing 	1955
8	300	SHP – Pomeroy, AJC – Letters <ul style="list-style-type: none"> Machinery and Boilers Operating Team (Short Title “Mabot”) Procedures and Responsibilities – DDE 261 & Class (Repeat “Restigouche”) 	1962
8	304	SHP – Pomeroy, AJC – Paper <ul style="list-style-type: none"> Management and Administration in Modern Government Services 	May 1964
5	38	SHP – Pomeroy, AJC – Booklet <ul style="list-style-type: none"> Management and Administration of Shipbuilding Programmes 	n.d.
8	306	SHP – Pomeroy, AJC – Paper <ul style="list-style-type: none"> “Management” and “Administration” with special reference to the practical application of the provisions of the Defence Production Act 	Jan 1960
4	26	SHP – Pomeroy, AJC – Book <ul style="list-style-type: none"> Master Vocabulary of Principal Ship Components and Systems 	1962
7	293	SHP – Pomeroy, AJC – Letters <ul style="list-style-type: none"> Naval Ship Repairing Instructional Letters 	1960-1962
7	292	SHP – Pomeroy, AJC – Paper <ul style="list-style-type: none"> Notes upon Internal Organisation Official Relationships with Naval Service 	Oct 1952
7	295	SHP – Pomeroy, AJC – Letters <ul style="list-style-type: none"> Outline Description of Procedures – DDE 261 & Class (Repeat “Restigouche”) 	1959-1964
8	309	SHP – Pomeroy, AJC – Paper	Jun 1962

Box	Item	Title	Dates
		<ul style="list-style-type: none"> Planning and Scheduling Division, Shipbuilding Branch DDP (Department of Defence Production). Relationship between Numbers of Staff and Fluctuations of Workload. Shortage of Staff 	
8	302	SHP – Pomeroy, AJC – Letters <ul style="list-style-type: none"> Production Time-Schedules for Ships Drawings – DDE 261 & Class (Repeat “Restigouche”) 	1958-1962
7	299	SHP – Pomeroy, AJC – Letters <ul style="list-style-type: none"> Reconciliation of Increases and Decreases in Manhour Expenditures resulting from Design Changes - DDE 261 & Class (Repeat “Restigouche”) 	1959-1964
7	297	SHP – Pomeroy, AJC – Letters <ul style="list-style-type: none"> Rejection, Replacement and Repair of “Free Issue” Material - DDE 261 & Class (Repeat “Restigouche”) 	1959-1962
8	301	SHP – Pomeroy, AJC – Letters <ul style="list-style-type: none"> Ship Components, Shipping Instruction Form DDP 458 (R-2/61) - DDE 261 & Class (Repeat “Restigouche”) 	1959-1962
7	291	SHP – Pomeroy, AJC – Paper <ul style="list-style-type: none"> Shipbuilding and Ship Repairing Notes upon the Control and Reduction of the Cost of Labour 	Apr 1957
8	308	SHP – Pomeroy, AJC – Paper <ul style="list-style-type: none"> Shipbuilding Branch. Planning, Production and Costing Divisions. Staff: Functions, Duties and Qualifications 	Dec 1956
8	303	SHP – Pomeroy, AJC – Paper <ul style="list-style-type: none"> “SHIPCAB” Standard System of Classification Standards of Production Time and Cost Standard Format for Specifications Feasibility Studies of Cost and Time 	1964
3	25	SHP – Pomeroy, AJC – Booklet <ul style="list-style-type: none"> The “SHIPCAB” System for the Control of Progress and Expenditure 	n.d.
5	37	SHP – Pomeroy, AJC – Folio <ul style="list-style-type: none"> Tanker / Supply Vessel HMCS Provider; Progress Report and Claim for Payment 	1962-1963
8	311	SHP – Pomeroy, AJC – Letter <ul style="list-style-type: none"> Terms of Reference of Department of National Defence and Department of Defence Production for the Construction of HMC Ships by Contract 	Dec 1955
39	477	SHP – RCN (Royal Canadian Navy) – Instructions to Overseers	1950
6	148	SHP – Reid, IJ – Booklet <ul style="list-style-type: none"> Institute of Engineers and Shipbuilders in Scotland 	1964

Box	Item	Title	Dates
		Control Engineering – A Factor in Ship Design	
18	423	SHP – Saint John Shipbuilding Canada <ul style="list-style-type: none"> • Naval Forces International Forum for Maritime Power A Special Supplement 	1993
6	150	SHP – Simms, LE – Notes <ul style="list-style-type: none"> • HMCS Annapolis Superstructures 	1993
6	152	SHP – Stevenson, AH – Paper <ul style="list-style-type: none"> • De-Icing Problems on Board Ships 	Feb 1964
6	149	SHP – White, WH – Paper <ul style="list-style-type: none"> • Welded Aluminum Superstructures 	Feb 1954
SHR [Ship Repairing]			
18	414	SHR – Benn, D.H., RE Chiasson and RJ Houle – Paper <ul style="list-style-type: none"> • The Multi-Ship Refit Program for Steam Destroyers Review of Recent Experience 	22 Sep 1980
18	413	SHR – Chiasson, RE – Paper <ul style="list-style-type: none"> • Maintaining the Old While Anticipating the New (Refitting / Updating of Steam Destroyers) 	22 Jan 1982
6	196	SHR – Collier, AL – Letters <ul style="list-style-type: none"> • Naval Ship Repair Activity – Ten Year Programme West Coast • Letter from MARCOM (Maritime Command) and reply from NDHQ (National Defence Headquarters) 	1978
6	202	SHR – Gain, D – Article <ul style="list-style-type: none"> • Busiest Time in 15 Years for Dockyard 	n.d.
6	198	SHR – Knox, JHW – Bulletin <ul style="list-style-type: none"> • General information bulletins No. 1 to No. 5 – SRU(P) (Ship Repair Unit (Pacific)) 	1977
6	194	SHR – Mallett, JG – Article <ul style="list-style-type: none"> • SRU(A) (Ship Repair Unit (Atlantic)) Jetty Complex – Journal of APENS Vol. 21 No. 2/81 	May 1981
6	197	SHR – Maxwell, TM – Letter <ul style="list-style-type: none"> • Delex – Proposal to Carry Out West Coast Refits in SRU(P) (Ship Repair Unit (Pacific)) 	Feb 1973
6	195	SHR – Moore, DI – Paper <ul style="list-style-type: none"> • The Maintenance and Repair of Naval Vessels – Presented to CSSRA[Canadian Shipbuilding and Ship Repairing Association] 	Feb 1960
6	200	SHR – Reid, IJ – Notes <ul style="list-style-type: none"> • Note on SRU (Ship Repair Unit) Purpose, Objectives and Resources 	n.d.
6	201	SHR – Reid, IJ – Notes <ul style="list-style-type: none"> • Ship Repair Unit (P), brief for Commander, MARCOM (Maritime Command) 	1979

Box	Item	Title	Dates
6	199	SHR – Reid, IJ – Notes <ul style="list-style-type: none"> • SRU(P) (Ship Repair Unit (Pacific)) – Brief for Chief, Engineering and Maintenance 	Jun 1980
SNR [Sonar]			
6	233	SNR – Anon – Notes <ul style="list-style-type: none"> • Variable Depth Sonar 	n.d.
18	415	SNR – Arctic Subsurface Surveillance System (ARCSSS) <ul style="list-style-type: none"> • Request for Proposal (RFP) (less Annex B – Technical Statement of Requirements) 	30 Sep 1991
18	415 A	SNR – Arctic Subsurface Surveillance System (ARCSSS) <ul style="list-style-type: none"> • Annex C Statement of Work to ARCSST Request for Proposal 	30 Sep 1991
18	415 B	SNR – Arctic Subsurface Surveillance System (ARCSSS) <ul style="list-style-type: none"> • Annex D Contract Data Requirement List to ARCSST Request for Proposal 	30 Sep 1991
18	415 C	SNR – Arctic Subsurface Surveillance System (ARCSSS) <ul style="list-style-type: none"> • Annex E Data Item Descriptions to ARCSST Request for Proposal 	30 Sep 1991
6	236	SNR – Baker, HO – Paper <ul style="list-style-type: none"> • Variable Depth Sonar-Past, Present, Future 	n.d.
10	406	SNR – Barnhouse, LCdr (Lieutenant Commander) PDC – Paper <ul style="list-style-type: none"> • Sonar Performance Figure Measurement 	[1971-1972?]
6	239	SNR – Brassington, DG – Article <ul style="list-style-type: none"> • The Canadian Development of VDS (Variable Depth Sonar) 	n.d.
9	376	SNR – Crowsnest – Article <ul style="list-style-type: none"> • VDS (Variable Depth Sonar) 	Mar 1960
3	27	SNR – DRB (Defence Research Board) / NRE (National Research Establishment) – Report <ul style="list-style-type: none"> • Dunker Project (Towed Variable Depth ASDIC) – Interim Report 	Mar 1954
6	234	SNR – Elson, JW – Paper <ul style="list-style-type: none"> • The History of Sonar Set AN/SQS-5051; with notes by HW Smith 	Aug 1972
6	238	SNR – Evans, GJ – Article <ul style="list-style-type: none"> • The Canadian Sonobuoy AN/SSQ-2B Mod 9X 	n.d.
47	548	SNR – Jorna, Cdr (Ret'd) Sid – Paper <ul style="list-style-type: none"> • Royal Canadian Navy Shipboard Sonar Development A Technical and Industrial View 	n.d.
18	416	SNR – LGL Limited <ul style="list-style-type: none"> • Initial Environmental Evaluation of the Arctic Subsurface Surveillance System 	Oct 1991

Box	Item	Title	Dates
47	539	SNR – IP Sharp Associates Limited, Ottawa – Report <ul style="list-style-type: none"> • Sonar 505 Computer program Report 2 System Level Documentation 	10 Sep 1968
18	419	SNR – Litton Systems Canada Limited <ul style="list-style-type: none"> • Arctic Subsurface Surveillance System (ARCSSS) Strawman Design 	28 Jul 1992
18	417	SNR – Litton Systems Canada Limited <ul style="list-style-type: none"> • Arctic Subsurface Surveillance System Contract Data Requirements List No. 211X Draft 1 System Trade-Off Plan 	24 Jul 1992
18	418	SNR – Litton Systems Canada Limited <ul style="list-style-type: none"> • Arctic Subsurface Surveillance System Contract Data Requirements List No. 217X Functional Block Diagram and Dictionary 	27 Jul 1992
19	449	SNR – Payne, FA <ul style="list-style-type: none"> • A Chapter in the History of Canadian Naval Sonar Development 1973-1995 	2004
6	237	SNR – NRE(National Research Establishment), DRB (Defence Research Board) – Report <ul style="list-style-type: none"> • Preliminary Report on Variable Depth Sonar Trials Trilby-Cast/1 system, Bermuda Area 	Dec 1955
6	235	SNR – Smith, HW – Letter <ul style="list-style-type: none"> • Comments on Sonar AN/SQS-505 paper by JW Elson 	Nov 1993
SUB [Submarines]			
6	177	SUB – Anon – Paper <ul style="list-style-type: none"> • Submarines in Canada 	n.d.
9	358	SUB – Crowsnest – Article <ul style="list-style-type: none"> • The Hydrogen-Peroxide Submarine 	Jul 1954
9	360	SUB – Crowsnest – Article <ul style="list-style-type: none"> • ASW SUB (Anti-Submarine Warfare Submarine) 	Jul 1957
6	178	SUB – Davis, SM – Paper <ul style="list-style-type: none"> • The Development and Construction of Submarines 	Feb 1959
6	181	SUB – Davis, SM – Article <ul style="list-style-type: none"> • It has all Happened Before – The RCN (Royal Canadian Navy), Nuclear Propulsion and Submarines – 1958-68 	1987
6	183	SUB – Davis, SM – Article <ul style="list-style-type: none"> • “Le Mieux est L’ennemi du Bien”: The Nuclear-Powered Submarine Programme 	1988
6	182	SUB – Davis, SM – Paper <ul style="list-style-type: none"> • Technical Considerations Regarding Canada’s SSN Proposal 	Jun 1988
6	180	SUB – DND (Dept. of National Defence)– Brochure	1987

Box	Item	Title	Dates
		<ul style="list-style-type: none"> CASAP – Canadian Submarine Acquisition Project 	
9	330	SUB – Electric Boat – Drawing <ul style="list-style-type: none"> CC II General Arrangement 	Nov 1912
8	319	SUB – Finlay, F – Paper <ul style="list-style-type: none"> Canadian technical Involvement in the Design and Construction of the Canadian “O” Class Submarine Program Includes a 1 photograph: b&w; 21 x 17.5 cm 	Jun 1993
4	33	SUB – Finlay, F – Paper <ul style="list-style-type: none"> Ojibwa, Onondaga and Okanagan. History of Technical Involvement of the RCN (Royal Canadian Navy) in their Design, Construction and Outfitting 	Mar 1994
6	179	SUB – Young, EJM – Article <ul style="list-style-type: none"> Submarines for the Canadian Forces 	1986
38	468	SUB – n.d. – Questions and Answers (on nuclear submarines for Canada)	n.d.
TDS [Tactical Data Systems]			
6	158	TDS – Nixon, CR – Paper <ul style="list-style-type: none"> Shipboard Digital Data Processing – Naval Technical Review Vol. 2 No. 2, 2nd Quarter 1963 	1963
8	314	TDS – NSHQ – Book <ul style="list-style-type: none"> Royal Canadian Navy The Experimental Digital Automatic Tracking and Remoting System (DATAR). Part One – History, Operational Features and Future 	Aug 1953
6	159	TDS – MacGillivray, DM – Article <ul style="list-style-type: none"> Canadian Naval Contribution to Tactical Data Systems and Data Link Development 	n.d.
6	160	TDS – Rackow, AD – Notes <ul style="list-style-type: none"> DATAR (Digital Automatic Tracking & Remoting) 	Mar 1993
7	280	TDS – Vardalas, J – Paper <ul style="list-style-type: none"> The FP-6000 and Other Earlier Computer Developments at Ferranti-Packard Electric, Canada 	Dec 1985
TRG [Training]			
6	173	TRG – Anon – Article <ul style="list-style-type: none"> Bilingual Warship 	Mar 1969
6	174	TRG – Anon – Article <ul style="list-style-type: none"> Francophone Program Launched for Forces Technical Training 	Apr 1969
6	175	TRG – Battles, RM – Notes <ul style="list-style-type: none"> Naval Engineering in Canada 	Oct 1979
9	356	TRG – Can Military Journal – Article <ul style="list-style-type: none"> The Nuclear Age and the Navy 	Oct/Nov 1960

Box	Item	Title	Dates
45	523	TRG – Chief of the Defence Staff – Manual <ul style="list-style-type: none"> • Course Training Standard – Occupation Specialty Qualifications: Maritime Engineering Combat Systems Engineering Officer Ship Department Head 	1987
47	545	TRG – Creelman, Sub/Lt WM – Journal <ul style="list-style-type: none"> • Journal of Sub/Lt WM Creelman (SB) RCNVR (Royal Canadian Naval Volunteer Reserve), HMCS Cornwallis (Second World War Divisional Officer's Course Notes) 	1943
9	390	TRG – Crowsnest – Article <ul style="list-style-type: none"> • The Tactical Trainer 	Apr 1963
1	4	TRG – DND (Dept. of National Defence) – Book <ul style="list-style-type: none"> • Basic Officer Training Military Knowledge Manual (CFP (Canadian Forces Publication) 195 (Interim)) 	May 1969
1	1	TRG – DND (Dept. of National Defence) – Notes <ul style="list-style-type: none"> • Marine Engineering Charge Certificate 	Jan 1977
3	22	TRG – DND (Dept. of National Defence) – Notes <ul style="list-style-type: none"> • Marine Engineering Technician Auxiliary Machinery TQC-C5A 	Mar 1978
3	21	TRG – DND (Dept. of National Defence) – Notes <ul style="list-style-type: none"> • MAR ENG (Marine Engineering) M132 C5A-TL5 Course Notes 	May 1979
2	20	TRG – DND (Dept. of National Defence) – Notes <ul style="list-style-type: none"> • Marine Technician Physics Algebra Course Notes 	n.d.
6	161	TRG – DND (Dept. of National Defence) – Booklet <ul style="list-style-type: none"> • Notes for the guidance of Junior Engineer Officers Undergoing Training Afloat 	n.d.
3	23	TRG – DND (Dept. of National Defence) – Notes <ul style="list-style-type: none"> • RCN (Royal Canadian Navy) Course Notes – Engineering Technician, TG-3 Phase 4.00 Boilers 	1961
9	335	TRG – DND (Dept. of National Defence) – Synopsis <ul style="list-style-type: none"> • RCN (Royal Canadian Navy) Technical Apprenticeship Training 	1955
6	170	TRG – DND (Dept. of National Defence) CFHQ (Canadian Forces Headquarters) – Letter <ul style="list-style-type: none"> • CFHQ Branch Instruction CP 8/66 – Career and Training Plan – RCN (Royal Canadian Navy) Junior Officer 	Aug 1966
6	169	TRG – DND (Dept. of National Defence) Combrax (W) – Letter <ul style="list-style-type: none"> • General List (Branch) Officer Training 	Dec 1965
6	167	TRG – DND (Dept. of National Defence) Fleet School – Letter <ul style="list-style-type: none"> • Review of Training – RCN (Royal Canadian Navy) 	Feb 1966

Box	Item	Title	Dates
		Trades	
6	168	TRG – DND (Dept. of National Defence) Personnel – Letter <ul style="list-style-type: none"> • General List (Branch) Officer-Selection & Training 	Oct 1965
6	171	TRG – DND (Dept. of National Defence) Training Command – Letter <ul style="list-style-type: none"> • Standard Training Week 	Jul 1966
6	163	TRG – Edwards, JP – Article <ul style="list-style-type: none"> • RCN (Royal Canadian Navy) Engineering Branch Training 	Jun 1958
19	440	TRG – Farrington, Stephen <ul style="list-style-type: none"> • Training Group Pacific Experiences 	Nov 2004
46	535 A	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> • Varian Associates – Radar 	1974
46	535 B	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes [2 files] <ul style="list-style-type: none"> • Notes Vol. 1 (Radar, Electronic Warfare (EW), Navigation, Fire Control, Electromagnetic Interference (EMI)) 	ca.1984
46	535 C	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> • Notes Vol. 2 (Admin personnel, communications, command & control, torpedoes, ADLIPS (Automatic Data Link Plotting System)) 	ca.1984
46	535 D	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes [2 files] <ul style="list-style-type: none"> • Notes Vol. 3 (sonar, TACAN (Tactical Aid to Navigation), horizon bar, Divisional System) 	ca.1984
46	535 E	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> • Fluid Power – Manual and exercise book 	ca.1984
46	535 F	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> • Technical University of Nova Scotia – Lecture notes on materials 	ca.1984
46	535 G	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> • New Developments (electro-optics, lasers) – Photocopy of a chapter 	ca.1984
46	535 H	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> • Introduction to Electro-Optics – Photocopies of articles and handouts 	ca.1984

Box	Item	Title	Dates
46	535 I	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes • Systems Configurations – Photocopy of article	ca.1984
46	535 J	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes • Gyro – Photocopies of articles	ca.1984
46	535 K	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes • Weapon System Tasks: The Anti-Air Threat - Paper	ca.1984
46	535 L	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes • Warship Survivability – Photocopies of articles	ca.1984
46	535 M	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes • Electronic Warfare (EW)	ca.1984
46	535 N	TRG - Kollenberg, K, Combat Systems Engineering – Course Notes • Navigation Aids	ca.1984
6	176	TRG – McKay, G – Article • CFMWS (Canadian Forces Maritime Warfare School) – 35 Years	1985
38 42	458 518	TRG – McPherson, HA – Paper • Evolution of Combat System Engineering Training, 1973 to 1975	Jan 2007
39	482	TRG – MTE (Mechanical Training Establishment) – Booklet • HMCS Stadacona, Leading Stoker’s Arithmetic Course	n.d.
6	164	TRG – Robson, PG – Article • RCN Engineering Training	n.d.
6	162	TRG – Sabiston, DP – Paper • HMCS Cape Breton – Technical Apprentice Training Establishment (TATE)	Dec 1957
7	273	TRG – Wilkins, BL – Notes • Programmed Instruction	Jan 1995
6	166	TRG – Williams, JA – Chart • Officer Training – Academic Division	Dec 1964
6	172	TRG – Wilson, WB – Article • The Operations Trainer	n.d.
6	165	TRG – Wilson, DW – Paper • Tech. Info. Naden (Base) Training	Jul 1963
TTL [Tests and Trials]			
4	32	TTL – Anon – Paper	n.d.

Box	Item	Title	Dates
		<ul style="list-style-type: none"> The Work of the Model Testing Basin at the National Research Council, Ottawa 	
6	214	TTL – Brett, TM – Paper <ul style="list-style-type: none"> The Marine Systems Test and Support Facility 	1993
7	244	TTL – DND (Dept. of National Defence) – Paper <ul style="list-style-type: none"> The Role of the Naval Engineering Test Establishment. The Practical Application of Reliability Engineering 	n.d.
7	258	TTL – Healey, EJ – Paper <ul style="list-style-type: none"> Description of the Shore Test of Propulsion Plant for DDH-280 Class Gas Turbine Destroyers – Includes a duplicate copy 	May 1970
7	259	TTL – Healey, EJ – Paper <ul style="list-style-type: none"> The Sea Trials of the DDH-280 Class Destroyers 	Apr 1973
1	6	TTL – NETE (Naval Engineering Test Establishment) – Report <ul style="list-style-type: none"> Naval Engineering Test Establishment “Report of Proceedings for Period 1 January to 30 June 1980” 	Jun 1980
46	534	TTL – Ships’ Magnetic Signature / Deguassing – Drawings and Charts <ul style="list-style-type: none"> Charts of Canadian Ship Influence Ranges (1962) Degaussing Range Bedford Basin (n.d.) As Fitted Degaussing Oils – HMC Ships Micmac / Cayuga / Athabaskan (1945, 1947) J3370 & J4513 Classes (Except J4373) Permanent Internal DG Route of Coils & HP Supply Aggts (n.d.) 	n.d., 1945, 1947, 1962
WCS [Weapons Control System]			
47	540	WCS – ASWDS – Draft <ul style="list-style-type: none"> Operational Program Programming Specification 	Nov 1971
7	255	WCS – Brady, EC – Paper <ul style="list-style-type: none"> Gun Armament Systems in Post War Canadian Destroyers 	1975
7	256	WCS – Brady, EC – Paper <ul style="list-style-type: none"> Canadian Maritime Forces Re-acquire a Capability for Naval Gunfire Support 	1972
46	536	WCS – Combined Support Centre, NAD, Dartmouth, NS – Manual <ul style="list-style-type: none"> Introduction to Underwater Combat System (Interim) 	Jan 1970
7	281	WCS – Henning, RV – Notes <ul style="list-style-type: none"> [Recollections of military service as an Engineer during WWII and Post WWII] 	n.d.
7	252	WCS – Munro, PR – Notes <ul style="list-style-type: none"> The Canadian Sea Sparrow 	1994

Box	Item	Title	Dates
47	543	WCS – NV Hollandse Signaalapparaten, Hengelo, Holland – Course Notes <ul style="list-style-type: none"> • SMR Programming Course 	27 Feb 1969
9	370	WCS – Sentinel – Article <ul style="list-style-type: none"> • Shape of Things to Come 	Jan 1972
7	251	WCS – Signal – Project <ul style="list-style-type: none"> • Project VM 5/30-27CA Anti-submarine Warfare Data System 	Sep 1967
7	253	WCS – Staal, M – Letter <ul style="list-style-type: none"> • Signal and the Canadian Sea Sparrow; ASW (Anti-Submarine Warfare) Data System Development 	Aug 1993
47	541	WCS – UCS 280 – Course Notes <ul style="list-style-type: none"> • Operational Program Programming Specifications 	n.d.
7	275	WCS – Wilkins, BL – Notes <ul style="list-style-type: none"> • A/EEC(W) Guided Missiles Section (W7) 	Jan 1995
7	274	WCS – Wilkins, BL – Notes <ul style="list-style-type: none"> • Programme Manager, Missile Systems (PMMS) 	Jan 1995
WPN [Weapons]			
7	249	WPN – Anon – Paper <ul style="list-style-type: none"> • History and Development of Torpedoes 	n.d.
7	250	WPN – Anon – Paper <ul style="list-style-type: none"> • History and Development of Weapons – Naval Guns and Mountings 	n.d.
9	368	WPN – Barton, PL – Article <ul style="list-style-type: none"> • Is the Gun a Goner? 	Apr 1969
9	366	WPN – Cdn Mil Journal – Article <ul style="list-style-type: none"> • Plastic Gun Shield 	Dec 1962 – Jan 1963
9	371	WPN – Crowsnest – Article <ul style="list-style-type: none"> • The New A/S (Anti-Submarine) Torpedo 	Dec 1953
18	421	WPN – Envelope of Harpoon Weapon System Information <ul style="list-style-type: none"> • Harpoon Aircraft Weapon System • U.S. Navy Harpoon Surface Ships • United States Navy harpoon Encapsulated • 4 photographs: col.; 20.5 x 25.5 cm – Official U.S. Navy Photos 	1982-1987
9	361	WPN – Fraser, DA – Paper <ul style="list-style-type: none"> • Present at the Creation: Recollections of the very first Anti-Submarine operations using the Leigh Light 	1980
7	248	WPN – Lemon, DE – Notes <ul style="list-style-type: none"> • “3”/50 Mounting Muzzle Fume Extractor 	Mar 1993
7	247	WPN – Lemon, DE – Notes <ul style="list-style-type: none"> • “3”/70 Mounting – Problems 	Mar 1993
39	475	WPN – Raytheon/Signal – Brochure	n.d.

Box	Item	Title	Dates
		<ul style="list-style-type: none"> • Canadian Sea Sparrow Close range Missile System 	
9	367	WPN – Sentinel – Article <ul style="list-style-type: none"> • Firepower for the Seventies 	May 172
7	246	WPN – Spergel, GD – Notes <ul style="list-style-type: none"> • Improvised Explosive Devices Equipment Report 	Oct 1992
7	245	WPN – Spergel, GD – Letter <ul style="list-style-type: none"> • “Underwater Swimmers and Mine/Bomb Disposal” 	Oct 1992

Subseries I – Item 441 Supporting Documents for Douglas Hearnshaw Interview with Thomas E. Bennet

Box	File	Title	Dates
20	1	[1] De Havilland Aircraft of Canada Limited <ul style="list-style-type: none"> • Ship’s Handbook for FHE 400 Hydrofoil Ship Bras D’Or 	May 1972
20	2-3	[2] De Havilland Aircraft of Canada Limited <ul style="list-style-type: none"> • Final Design Report FHE 400 Hydrofoil Ship Bras D’Or 	Apr 1972
20	4-5	[3] Hydrofoil Reports Book #1	1960-1963
20	6	[4] General Electric <ul style="list-style-type: none"> • Technical Manual Volume 1 FHE-400 Foilborne Transmission System 	Oct 1969
20	7	[5] General Electric <ul style="list-style-type: none"> • Technical Manual Volume 2 FHE-400 Displacement Transmission System 	Oct 1969
21	1	[6] De Havilland Aircraft of Canada Limited <ul style="list-style-type: none"> • FHE 400 Hydrofoil Ship for the Royal Canadian Navy Phase A Design Report 	Jul 1965
21	2	[7] Bennet, TE <ul style="list-style-type: none"> • RX Hydrofoil Craft Foil Arrangements 	1962
21	3	[8] De Havilland Aircraft of Canada Limited <ul style="list-style-type: none"> • FHE 400 S.C. Propeller Stress Analysis 	Jan 1969
21	4	[9] De Havilland Aircraft of Canada Limited <ul style="list-style-type: none"> • Full Scale Supercavitating Propeller Blade Structure Test 	Jul 1966
21	5	[10] Joint Study Team of Defence Research Establishment Atlantic De Havilland Aircraft of Canada Limited for the Canadian Armed Forces <ul style="list-style-type: none"> • FH Type 1 – Sketch Design 	Sep 1970
21	6	[11] Bow Foil Bras D’Or Hydrofoil Ship <ul style="list-style-type: none"> • 51 photographs: b&w; 28 x 21.5 cm 	1965-1966

Box	File	Title	Dates
21	7	[12] Test Models FHE 400 Bras D'Or Hydrofoil Ship <ul style="list-style-type: none"> • 51 photographs: b&w; 28 x 21.5 cm or smaller. • 4 photographs: col.; 13 x 9 cm 	n.d.
21	8	[13] Anhedral <ul style="list-style-type: none"> • 52 photographs: b&w; 28 21.5 cm 	1965-1966
21	9	[14] Center Foil Tip and Strut <ul style="list-style-type: none"> • 61 photographs: b&w; 28 x 21.5 cm 	1965-1966
21	10	[15] Bennett, TE <ul style="list-style-type: none"> • Geometry Main Foil, Bow Foil and Transmission FHE-400 Hydrofoil Craft 	Jan 1964
21	11	[16] De Havilland Aircraft of Canada Limited <ul style="list-style-type: none"> • Test Report Propeller Blade Attachment Bolt Fatigue Strength Determination 	Jan 1969
21	12	[17] De Havilland Aircraft of Canada Limited <ul style="list-style-type: none"> • Program Review Fabrication and Assembly of R.H. Strut and Foil Borne Pod Components for De Havilland FHE-400 Hydrofoil 	[1965?]
21	13	[18] Davis, BV <ul style="list-style-type: none"> • Supercavitating Propeller Profiles 	27 Jul 1966
21	14	[19] Davis, BV and GL Oates <ul style="list-style-type: none"> • Hydrofoil Motions in a Random Seaway 	Aug 1964
22	1	[20] Original Plans Naval Research Establishment	1959-1960
22	2	[21] Miscellaneous Photographs <ul style="list-style-type: none"> • 47 photographs: b&w; 25.5 x 20.5 cm or smaller. • 3 photographs: col.: 25.5 x 20.5 cm 	1963-1966
22	3	[22] Redgecock, R <ul style="list-style-type: none"> • The Behavior and Treatment of Galvanic Couples in Sea Water 	n.d.
22	4	[23] De Havilland Aircraft of Canada Limited and Royal Canadian Navy <ul style="list-style-type: none"> • The Royal Canadian Navy Hydrofoil Programme (Canadian Shipbuilding and Ship Repairing Association Technical Section Annual Meeting) 	11 Feb 1964
22	5	[24] De Havilland Aircraft of Canada Limited <ul style="list-style-type: none"> • Hydrofoil Speed Patrol Craft of the Future 	n.d.
22	6	[25] De Havilland Aircraft of Canada Limited and Atlantic Aviation Marine Controls <ul style="list-style-type: none"> • Control Actuators Handbook for FHE 400 Hydrofoil Ship Bras D'Or 	Oct 1972
22	7	[26] FT 4 Gasturbine Instl Drawings	1966-1968
22	8-9	[27] Miscellaneous Drawings – Includes list	1963-1966
22	10	[28] Miscellaneous Documents	1959-1985
22	11	[29] De Havilland Aircraft of Canada Limited <ul style="list-style-type: none"> • FHE 400 Hydrofoil Ship Design Definition of Basic 	Nov 1968

Box	File	Title	Dates
		ship	
22	12	[30] De Havilland Aircraft of Canada Limited <ul style="list-style-type: none"> • Program Review Fabrication and Assembly of Bow and main Foil Components for De Havilland FHE-400 Hydrofoil 	
22	13	[31] FHE 400 ASW Hydrofoil Statement of Requirements, Rev. 4	Apr 1967
22	14	[32] Troback, Del <ul style="list-style-type: none"> • The Building of the Bras D'Or as I remember it 	n.d.
22	15	[33] Transmission System Schemes I-IV (Handwritten notes)	Dec 1961
22	16	[34] Bennet, T <ul style="list-style-type: none"> • de Havilland Canada Goes to Sea 	Nov 1995
22	17	[35] Becker, Pauline (Wife of R. Becker, DeH Program Manager) <ul style="list-style-type: none"> • Reminiscences 	n.d.
22	18	[36] High Speed Propeller Blades at Ladish <ul style="list-style-type: none"> • 6 photographs: b&w; 10.5 x 8.5 cm 	n.d.
22	19	[37] Dick Becker's Retirement <ul style="list-style-type: none"> • 6 photographs: col.; 9 x 13 cm 	1984
22	20	[38] Miscellaneous 35mm Slides (3 boxes – 91 slides)	n.d.
		[39] DVD, Bras D'Or Hydrofoil 1962 to 1972 <ul style="list-style-type: none"> • [Withdrawn from circulation] 	n.d.

**Series II: Marine/Naval Architecture Books and Magazines
1945-2003 – Textual records in Boxes 11-14, 23, 39, 40, & 42-43.**

Series Description

Series consists of books and magazines pertaining to marine and naval architecture. Some of the subjects covered include ship design, warship technology and marine engineering. Also includes material on shipbuilding in the Niagara/Port Weller region of Ontario; radio fundamentals; pilot guide books for the St. Lawrence, Nova Scotia and Bay of Fundy; ship firefighting; and on ships of Port Weller and Collingwood. There are also annual yearbooks (1962-1967) for the Canadian Services College Royal Roads and the Journal of Naval Engineering for the years 1947-1971 (incomplete). The series is arranged in alphabetical order by author/corporate name.

Box	File	Author / Title	Dates
48	7	BRCN 1504 <ul style="list-style-type: none"> • Radio Theory Notes RCN [Royal Canadian Navy] 	1943
39	499	BRCN 1526 <ul style="list-style-type: none"> • <u>Steel Selector</u> 	n.d.
39	500	BR 2007 <ul style="list-style-type: none"> • <u>Marine Engineering notes for Engine Room Artificers and Mechanics' Training</u> 	1952
48	8	Canada. Department of National Defence (Naval Service) <ul style="list-style-type: none"> • List of S. and CNS [Chief of the Naval Staff] Forms in Use in the Royal Canadian Navy 	1942
11	1	Canada. Royal Canadian Navy <ul style="list-style-type: none"> • <u>Radio Fundamentals (Electrical) (BRCN 5422 (1))</u> 	1960
11	2	Canada. Royal Canadian Navy <ul style="list-style-type: none"> • <u>Radio Fundamentals (Electrical) (BRCN 5422 (2))</u> • Duplicate copy of the file located in Box 40, file 505 (part 1 & 2) 	1962
11	3	Canadian Hydrographic Service. Marine Sciences Branch <ul style="list-style-type: none"> • <u>St. Lawrence River Pilot from Cap des Rosiers (South Shore) and Rivière St. Jean (North Shore) to Kingston including Saguenay, Richelieu and Ottawa Rivers</u> 	1966
11	4	Canadian Hydrographic Service. Surveys and Mapping Branch <ul style="list-style-type: none"> • <u>Nova Scotia (S.E. Coast) and Bay of Fundy Pilot Comprising the Great Bank of Newfoundland, Sable Island, the Southeast Coast of Nova Scotia and the Bay of Fundy</u> 	1960
39	498	Canadian Legion War Services Inc. <ul style="list-style-type: none"> • <u>Elementary Marine Engineering, Textbook No. 2</u> 	1942
11	5	Canadian Maritime Industries Association <ul style="list-style-type: none"> • <u>Papers presented to the 44th annual technical conference</u> 	18 Feb 1992

Box	File	Author / Title	Dates
11	6-7	Canadian Services College Royal Roads • <u>The Log</u> (annual yearbook)	1962-1963
12	1-4	Canadian Services College Royal Roads • <u>The Log</u> (annual yearbook)	1964-1967
12	5	Comstock, John P., ed. • <u>Principles of Naval Architecture</u> (Revised)	1967
12	6	Doust, David J. • <u>The Naval Architect</u>	1999
12	7	Gillam, Skip • <u>Niagara's Shipbuilding Heritage From 1828 to Port Weller Dry Docks</u>	ca.1999
12	8	Gillam, Skip • <u>The Shipbuilders of Port Weller</u>	1995
12	9	Gillam, Skip • <u>The Ships of Collingwood</u>	1992
12	10	Gillam, Skip • <u>The Ships of Port Weller</u>	1992
12	11	Great Britain. Admiralty • <u>Ship A.B.C.D. [Atomic, Biological, Chemical Damage Control] Manual Volume 1 (B.R. 2170)</u>	1959
13	1	Great Britain. Admiralty • <u>Ship Fire Fighting Manual</u> (B.R. 1257)	1948
13	2	Great Britain. Admiralty • <u>The Damage Control Manual</u> (B.R. 1294)	1945
43	1	Great Britain. Admiralty • <u>Journal of Naval Engineering</u> Vol. 1 Nos. 1-4	1947
43	2	Great Britain. Admiralty • <u>Journal of Naval Engineering</u> Vol. 2 Nos. 1-4	1948-1949
43	3	Great Britain. Admiralty • <u>Journal of Naval Engineering</u> Vol. 3 Nos. 3-4	1949-1950
43	4	Great Britain. Admiralty • <u>Journal of Naval Engineering</u> Vol. 5 Nos. 3-4	1951-1952
43	5	Great Britain. Admiralty • <u>Journal of Naval Engineering</u> Vol. 6 No. 3	1953
43	6	Great Britain. Admiralty • <u>Journal of Naval Engineering</u> Vol. 7 Nos. 2-3	1954
43	7	Great Britain. Admiralty • <u>Journal of Naval Engineering</u> Vol. 10 Nos. 2 & 4	1957
43	8	Great Britain. Admiralty • <u>Journal of Naval Engineering</u> Vol. 11 Nos. 1-2	1958
43	9	Great Britain. Admiralty • <u>Journal of Naval Engineering</u> Vol. 12 No. 1	1959
43	10	Great Britain. Admiralty	1961

Box	File	Author / Title	Dates
		<ul style="list-style-type: none"> • <u>Journal of Naval Engineering</u> Vol. 13 No. 2 	
43	11	Great Britain. Admiralty <ul style="list-style-type: none"> • <u>Journal of Naval Engineering</u> Vol. 15 Nos. 1-2 	1964
43	12	Great Britain. Admiralty <ul style="list-style-type: none"> • <u>Journal of Naval Engineering</u> Vol. 20 Nos. 1-2 	1971
42	4	Great Britain. Her Majesty's Stationery Office <ul style="list-style-type: none"> • <u>Manual of the Admiralty Gyro-Compass (Sperry Type)</u> (B.R. 9 (53)) 	1953
13	3	Great Britain. Her Majesty's Stationary Office <ul style="list-style-type: none"> • <u>The Nautical Almanac 1966</u> 	1966
42	5	Great Britain. Ministry of Defence. Ship Department <ul style="list-style-type: none"> • General Marine Engineering Specifications 	1977
13	4	Harrington, Roy L., ed. <ul style="list-style-type: none"> • <u>Marine Engineering</u> 	1971
40	11	Hennessy, Michael A. <ul style="list-style-type: none"> • <u>The state as innovator: Controlling the command technology for warship construction in Canada, 1949-1965</u> 	1993
13	5	Institute of Marine Engineering, Science and Technology, The <ul style="list-style-type: none"> • <u>IMarEST</u> (newsletter) 	July 2002
23	1	Institute of Marine Engineers, The <ul style="list-style-type: none"> • <u>Transactions</u> – Vol. LXIX No. 3 (1957) and Vol. LXX No. 8 (1958) 	1957-1958
23	2	Institute of Marine Engineers, The <ul style="list-style-type: none"> • <u>Transactions</u> – Vol. 75 No. 1 (Jan 1963); Vol. 75 No. 3 (Mar 1963); Vol. 14 Part 84 (1972) and Vol. 87 Part 14 (1972) 	1963, 1972
23	3	Institute of Marine Engineers, The <ul style="list-style-type: none"> • <u>Transactions</u> – Vol. 102 Part 1 (1990); Vol. 104 Part 1 (1992); and Vol. 108 Part 1 (1996) 	1990-1996
23	4	Institute of Marine Engineers, The <ul style="list-style-type: none"> • <u>Transactions (TM)</u> – Presidential Address by Commander E.C. Pidgeon 	4 Oct 1982
23	5	Institution of Mechanical Engineers, The <ul style="list-style-type: none"> • <u>Journal and Proceedings</u> – Journal (Sep 1949); Proceedings (1949, Vol. 160 No. 2) 	1949
23	6	Institution of Mechanical Engineers, The <ul style="list-style-type: none"> • <u>Proceedings</u> – Vol. 164 No. 2 (1951) and Vol. 198 No. 53 (1984) 	1951, 1984
13	6	Mackrow, Clement <ul style="list-style-type: none"> • <u>The Naval Architect's and Shipbuilder's Pocket-Book of Formulae, Rules and Tables and Marine Engineer's and Surveyor's Handy Book of Reference</u> 	1946

Box	File	Author / Title	Dates
13	7	MacPherson, H.A. <ul style="list-style-type: none"> • “Antenna Design: Research and Modelling for the General Purpose Frigate and DDH classes of vessel (paper) 	2002
42	6	Royal Canadian Navy <ul style="list-style-type: none"> • Engineering Mechanic Trade Group One (BRCN 3033 (66)) 	1966
13	8-9	Royal Institution of Naval Architects, The <ul style="list-style-type: none"> • <u>The Naval Architect</u> (periodical) – 8 issues 	Jan – Oct 2002
14	1-2	Royal Institution of Naval Architects, The <ul style="list-style-type: none"> • The Naval Architect (periodical) – 6 issues 	Nov 2002 – Jun 2003
14	3	Royal Institution of Naval Architects, The <ul style="list-style-type: none"> • <u>Warship Technology</u> (periodical) – 2 issues 	2003
14	4	Saunders, Harold E. <ul style="list-style-type: none"> • <u>Hydrodynamics in Ship Design Volume One</u> 	1957
14	5	Saunders, Harold E. <ul style="list-style-type: none"> • <u>Hydrodynamics in Ship Design Volume Two</u> 	1957
42	7	Ship Repair Unit Pacific HMC Dockyard	Apr 1986
14	6	Society of Naval Architects and Marine Engineers, The <ul style="list-style-type: none"> • <u>Marine Technology and SNAME [Society of Naval Architects and Marine Engineers] News</u> (periodical) – 3 issues; Vol. 39 Nos. 1-3 	2002
39	497	The Superheater Company, Limited <ul style="list-style-type: none"> • <u>Maintenance of Superheaters for Water Tube Boilers</u> (1st edition) 	1941

**Series III: Ships' Technical Drawings
1945-1961, 2012 – Textual records in Boxes 14-15 & 44.**

Series Description

Series consists of technical drawings for HMS Crusader (1945), HMCS Crusader (1952-1956), HMCS Crescent (1960-1961), HMCS Cayuga (1945), HMCS Athabaskan (1945), HMCS Micmac (1945) and HMCS Nootka (1945). Also includes a compact disk with a list of ship engineering drawings held by DSCO (Director Supply Chain Operations) in 2012.

Other Notes

The compact disk has been withdrawn from circulation and is stored in the Vault with the other Electronic Records (CDs, DVDs and computer disks).

Box	File	Title	Date
14	7	HMC Dockyard Esquimalt, BC HMCS Crusader <ul style="list-style-type: none"> • [3362] General Arrangement Forecastle, Upper Signal, Decks, Bridge and Gun Platforms • [3367] General Arrangement Profile • [3415] General Arrangement Upper Deck • [3424] General Arrangement Lower Deck 	1952
15	1	HMC Dockyard Halifax, NS HMCS Crescent <ul style="list-style-type: none"> • [13371] VDS Gear – Main Booms Modification To • [13377] VDS Gear Paralleling Bars. Modification To • [13523] VDS Handling Gear – Plain View – General Arrangement • [13523] VDS Handling Gear – STBD. Elevation – General Arrangement • [13523] VDS Handling Gear – Stern View – General Arrangement 	1960-1961
15	2	HMC Dockyard Halifax, NS HMCS Crusader <ul style="list-style-type: none"> • [11892] Wiring Diagram for 10 H.P. Topping 25 H.P. Towing Winches • [11893] Generator Distribution Panel, 60 K.V.A. “Bogue Electric” Motor Generator Set A&A-187 – A&A-197 • [11894] Elementary Wiring Dia. 2 ½ Ton Boat Winch Cont. A&A 197 • [11895] Main Cabling Diagram Equipment Pertaining to A&A 187 (2 copies) • [11899] Cabling Diagram for N.R.E. Cast 1 • [11901] Elementary Wiring Diagram 	1955-1956

Box	File	Title	Date
		<ul style="list-style-type: none"> • [11901] Cabling Diagram A&A 212 and N.R.E. 115V 400 ~ Circuits • [11906] 2 ½ Ton Boat Hoisting Winch Consequent to A&A 197 & EV-10 • [11907] Key Cabling Diagram N.R.E. & Comopval Circuits • [11908] Cast-IX Elementary Wiring Diagram • [11908] Cast-IX Cabling Diagram • Exe-Cutone System (N.R.E.) Cabling Diagram A&A 187 & EV-8 • [Sketch of Doublers for VDS Gear Feet] 	
15	3	John Brown & Co. Ltd. HMS Crusader – [43375] Upper Deck Plating	1945
15	4	Trenton Industries Ltd. (Trenton, NS) Crusader Winch <ul style="list-style-type: none"> • [J-544] Drum • [J-548] Gear • [J-549] Pinion • [J-550] Base • [J-551] Nut for Hand Brake • [J-552] Brake Shoe – Hand Brake • [J-553] Anchor Bracket – Hand Brake • [J-554] Anchor Pin • [J-555] End Plate & Yoke Pin • [J-556] Lead Screw & Horizontal Brake Shaft • [J-557] Hand Brake – Shaft Bottom Bracket • [J-558] Hand Brake – Shaft Top Bracket • [J-559] Yoke – Hand Brake • [J-560] Brake Hand Wheel Arrangement • [J-561] Hand Wheel & Vertical Brake Shaft • [J-562] Bill of Material 	1955
44	1	John Inglis Co. Ltd. (Toronto, ON) Tribal Class Destroyers: HMCS Cayuga; HMCS Athabaskan <ul style="list-style-type: none"> • Arrangement of Machinery in Boiler Rooms (3 sets of 3 each with sheets – 200-941, 200-942 and 200-943) • Arrangement of Machinery in Engine & Gear Rooms (3 sets of 3 each with 3 sheets – 200-949, 200-950 and 200-951) 	1945
44	2	John Inglis Co. Ltd. (Toronto, ON) Tribal Class Destroyers: HMCS Micmac; HMCS Nootka <ul style="list-style-type: none"> • Arrangement of Machinery in Boiler Rooms (3 sets of 3 each with sheets – 200-938, 200-939 and 200-940) • Arrangement of Machinery in Engine & Gear Rooms (3 sets of 3 each with 3 sheets – 200-946, 200-947 and 	1945

Box	File	Title	Date
		200-948	
		1 compact disk entitled “DSCO Ship Eng Drawings Index List”. The compact disk will be stored in the Chief Archivist’s office.	2012

**Series IV: DDH 280 Class Main Propulsion Machinery Design and Acquisition Proposal
1966 – Textual records in Boxes 15-17.**

Series Description

Series consists of United Aircraft of Canada Limited's design and contract proposal to the Department of Defence Production in 1966, covering the supply of four ships' sets of propulsion machinery and ancillary equipment for the DDH 280 class of ships. There are 20 volumes (vols. 2-21) consisting of design and proposal information together with associated drawings. Volume 21 includes minutes of progress meetings and progress reports.

Other Notes

Volume 1 Summary is filed in Series 1 (Box 10) as Item 400. It includes an index and a brief summary of the other volumes. It also includes isometric drawings representing the main propulsion machinery offered.

Box	Vol.	Title	Dates
15	2	Management Capability	30 Jun 1966
15	3	Price and Delivery	30 Jun 1966
16	4	Main Machinery Plant (2 files)	30 Jun 1966
16	5	Main Engines	30 Jun 1966
16	6	Cruise Engines	30 Jun 1966
16	7	Main Gear-Box Clutches and Couplings (2 files)	30 Jun 1966
16	8	Shafting, Plummer Blocks, Thrust Blocks and Stern Gear	30 Jun 1966
16	9	Propellers	30 Jun 1966
16	10	Main Forced Lubrication System	30 Jun 1966
17	11	Circulating Water System	30 Jun 1966
17	12	Gas Turbine Intake System	30 Jun 1966
17	13	Gas Turbine Exhaust System	30 Jun 1966
17	14	Fuel Supply System	30 Jun 1966
17	15	Machinery Control System	30 Jun 1966
17	16	Steering Control System	30 Jun 1966
17	17	Other Systems and Components	30 Jun 1966
17	18	Alternatives	30 Jun 1966
17	19	Tests and Trials	30 Jun 1966
17	20	Scheduling	30 Jun 1966
17	21	Minutes of Progress Meetings and Progress Reports	30 Jun 1966

Series V: Canadian Navy Defence Industrial Base Interviews 1971-1977, 2004-2014 – Textual records in Boxes 17A & 23.

Series Description

Series consists of 34 transcripts of interviews conducted on behalf of the Canadian Navy Defence Industrial Base (CANDIB) Oral History Project. The following individuals were interviewed:

Allan, Jock	Hansen, Kenneth P.	Roberts, Richard
Arnold, Chris	Healey, Ed	Shepherd, John
Bennett, Thomas E.	Kerr, Donald	Smith, Gordon
Blattmann, Bert	MacArthur, Leonard	St-G. Stephens, Robert
Broughton, William J.	McArthur, Andrew	Struthers, Joseph
Charles, John A.	McRitchie, William	Thomas, Chuck
Chiasson, Roger E.	Mason, John	Van Dinther, Bill
Christie, W.B.	Maw, John	Welland, Robert
Cunningham, Joe	Mustard, Bob	Wilson, Bruce
Farquharson, Ken	Nixon, C.R.	Wilson, Don
Gillis, Harold G.	Porter, Frank L.	
Goossen, George	Reilley, Dennis	

The series also includes copies of copyright release forms, copies of photographs, synopsis sheets and introductory statements. Also includes supporting documents for Jock Allan.

Summaries of the Interviews:

- **Jock Allan's** interview was conducted by Gordon Smith. Presented from the perspective of the Project Manager (PM 280), the interview examines the start-up procedures and management processes involved in the administration of the DDH 280 Destroyer Project (1969-1973).
- **Chris Arnold's** interview, conducted by Tony Hatcher and Pat Barnhouse, outlines the effects of naval procurement has on several Canadian companies.
- **Thomas E. Bennett's** interview was conducted by Douglas Hearnshaw. It acquired the form of a verbal presentation and discussion at a special meeting of the CANDIB Committee. Tom Bennett presented to CANDIB several boxes of data relating to the Bras d'Or naval contract, which had been awarded to de Havilland. Bennett collected this data whilst employed by this company, where he engaged in the design, construction and trials of the vessel. These boxes included photographs, reports and personal notes. Tony Thatcher, chairman of the CANDIB Committee introduced Bennett, who then proceeded with his own introductory remarks, followed by a commentary on a number of design aspects of the Bras d'Or. Thereafter, members of the CANDIB Committee discussed the vessel and its design. Those contributing to the discussion include Don

Cruickshank, Michael Saker, Jim Williams, Don Wilson, Pat Barnhouse, Brian McCullough and Doug Hearnshaw.

- **Bert Blattmann's** interview, conducted by Sid Jorna, begins with his involvement in the Protecteur-class program, as well as the project to convert a deep sea trawler into HMCS Cormorant. Thereafter, Captain Blattmann describes his role in the Canadian Patrol Frigate (CPF) Project. The second part of the interview focuses on the Ship Repair Unit (Pacific).
- **William J. Broughton's** interview, conducted by Gordon Smith, focuses on the DDH 280 Destroyer Project. Broughton was the Project Systems Engineer.
- **John A. Charles'** interview, conducted by Sid Jorna, examines his career, focusing specifically on his involvement in communications, the St. Laurent-class destroyers, hydrofoils, as well as the unification of the Canadian Forces.
- **Roger E. Chiasson's** interview was conducted by Douglas Hearnshaw. The interview examines the Multi-ship Refit Program that the Canadian Navy undertook between the mid-1970s and the mid-1980s, designed to address particular issues relating to the fleet of aging ships. The three participant groups in the refit program were the Canadian Navy, the Department of Supply and Services and Canadian Vickers Limited of Montreal. The interview, presented from a naval perspective, covers the period from 1979 to 1982.
- **W.B. Christie's** interview, conducted by Gordon Smith, examines the DDH 280 [Destroyer] program from 1964 to 1973. It describes the particular experiences of Bill Christie, a Naval Engineering Electrical Officer. Christie was involved in the development of the design concepts, while also participating in the building and setting to work phase.
- **Joe Cunningham's** interview, conducted by Sid Jorna. The interview examined: his involvement at regional Canadian Forces Technical Services Detachment stationed at Westinghouse Canada; his involvement in AN/SQA 503 (Diana), VDS Handling Gear by Fleet Industries, Fort Erie, Ontario; his involvement in Handling Gear for VDS for the FHE 400 Hydrofoil; and later on his involvement on PNO Staff Davie Shipyard for the Iroquois (DDH 280) and Paramax for Halifax Class (CPF) ships.
- **Ken Farquharson's** interview, conducted by Roger Chiasson, records his knowledge and perspective of the HMCS Provider project.
- **Harold G. (Hal) Gillis'** interview was conducted by Colin Brown. The interview examines the quality assurance procedures of the Canadian Navy in the 1950s and 1960s. In 1969, the procedures changed when the Canadian Forces Technical Services Agency assumed the responsibilities for ship and equipment acceptance from suppliers. The participants in this program were the Royal Canadian Navy,

the Department of Supply and Services (DSS), along with various shipyards and suppliers.

- **George Goossen's** interview, conducted by Sid Jorna, examines the early days of digital computer programming. Specifically, it describes the development of the Anti-Submarine Warfare Data System (ASWDS) for the hydrofoil FHE 400 and the DDH 280 Command and Control System (CCS).
- **Kenneth P. Hansen's** interview, conducted by Roger Chiasson, examines the role of logistics in the Canadian Navy. The interview focuses on four areas: the definition of naval operational logistics; a brief historical perspective; factors which affect logistics; and the lessons learned from history.
- **Ed Healey's** interview was conducted by Tony Thatcher, Mike Saker and Don Wilson. Admiral Healey has been involved with many ship procurements, beginning with the HMCS Provider in 1963, through to the Tribal Class Update and Modernization (TRUMP) in the early 1990s. Healey served as Project Manager for the Canadian Patrol Frigate (CPF) Project in the early 1980s and later became Assistant Deputy Minister Materiel ADM (Mat), responsible for all procurements within the Department of National Defence. Throughout the interview Admiral Healey reviews the Naval Procurement Process, including the effects procedural changes have on the industry supporting Canada's Navy.
- **Donald Kerr's** interview, conducted by Roger Chiasson, examines the Canadian Patrol Frigate (CPF) project based on his experience as Quality Assurance manager with Saint John Shipbuilding.
- **Leonard MacArthur's** interview, conducted by Gordon Smith, examines the propulsion, auxiliary and ancillary systems in DDH 280, HMCS Iroquois.
- **Andrew McArthur's** interview was conducted by Roger Chiasson. Having served as president of Halifax Dartmouth Industries Limited from 1985 to 1994, McArthur provides insight into the company's response to turnkey procurement, where the contractor assumes responsibility for the design, construction and integrated logistic support for a complete class of warships
- **William McRitchie's** interview, conducted by Sid Jorna, focuses on his experience as a trial engineer for HMCS Protecteur and HMCS Preserver at the Saint John Shipbuilding yard, as Propulsion Officer for HMCS Preserver, as Project Officer for Quality Assurance (QA) Test and Trials during the Canadian Patrol Frigate (CPF) Project, as well as project officer for the Department and Services (DSS) in the Tribal Class Update and Modernization Project (TRUMP).
- **John Mason's** interviews were conducted by Tony Thatcher and Sid Jorna. The first interview explores Captain Mason's experience in two shipyards and as Engineering Officer on three naval vessels: HMCS Buckingham, HMCS Ottawa

and HMCS Chaudière. The second interview elaborates on these experiences, while also examining his later work as a senior officer in the field of diplomacy and naval intelligence.

- **John Maw's** interview, conducted by Sid Jorna, focuses on the lieutenant's wartime experience and his subsequent work in various manufacturing plants, as well as naval shipyards. Lieutenant Maw also served as an engineering officer on HMCS Prince Robert.
- **Bob Mustard's** interview, conducted by Tony Thatcher and Pat Barnhouse, examines the development of anti-submarine warfare equipment in the late 1970s. This includes active sonars, the [AN/] SQS-505 and the [AN/] SQS-510, the underwater telephone, sonobuoys, as well as the Canadian Towed Array Sonar System (CANTASS). Also discussed are the events leading to the purchase of the Anti-submarine Warfare Data System (ASWDS) for the [DDH] 280 class in the late 1960s.
- **C.R. Nixon's** interview, conducted by Gordon Smith, focuses on the Total Project Management approach to ship procurement for the Canadian Patrol Frigate (CPF) Project.
- **Frank L. Porter's** two interviews were conducted by Tony Thatcher and Don Wilson. The first interview concerns the Tribal Class Update and Modernization (TRUMP). The three participant groups in this program were the Canadian Navy, the Department of Supply and Services, as well as Litton Systems Canada. The second interview examines submarine refits undertaken by the Ship Repair Unit in CFB Halifax between 1975 and 1978, along with the design authority for submarine refits in National Defence Headquarters between 1979 and 1984.
- **Dennis Reilley's** interview, conducted by Roger Chiasson, focuses on four distinct periods in the Commodore's career as a maritime engineer in the Canadian Navy, beginning with his experience as Principle Overseer in the Naval Central Drawing Office (NCDO) in the early 1970s. The interview then covers his tenure as Director of Maritime and Electrical Engineering (DMEE), project manager for the Tribal Class Update and Modernization Project (TRUMP), as well as project manager for the Canadian Patrol Frigate (CPF) Project.
- **Richard Roberts'** interview, conducted by Sid Jorna, focuses on his experience aboard the HMCS Bonaventure.
- **John Shepherd's** interview, conducted by Roger Chiasson, examines his association with the Canadian shipbuilding industry in general and Saint John Shipbuilding in particular.
- **Gordon Smith's** interview was conducted by Douglas Hearnshaw. This interview relates to the DDH 280 program, which spanned from 1964 to 1973. As a naval

engineer, Smith was involved in the development of the design concept, while also participating in the building and trial phases through his subsequent employment in the defence industry.

- **Robert St-G. Stephens'** interview was conducted by Tony Thatcher and the CANDIB Committee. Admiral Stephens was invited to answer questions regarding his naval career, with particular reference to the occasions in which he was involved in contractual relationships with the defence industry of Canada.
- **Joseph Struthers'** interview, conducted by Roger Chiasson, discusses interview the management of the Canadian Patrol Frigate (CPF) Project from the perspective of the prime contractor, Saint John Shipbuilding.
- **Chuck Thomas'** interview, conducted by Tony Thatcher, Jim Carruthers and Ken Bowering, focuses primarily on the Canadian Surface Combatant (CSC) Project, which will renew the Royal Canadian Navy surface combat fleet by replacing the capabilities provided by the destroyers (Iroquois-class) and the multi-role patrol frigates (Halifax-class).
- **Bill Van Dinther's** interview, conducted by Sid Jorna, focuses on Victoria Shipyards, as well as the contract and build of the eight ORCA-class auxiliary vessels. Operating from HMC Dockyard Esquimalt, these vessels provide watch keeping and navigational training to junior officers.
- **Robert Welland's** interview was conducted by Tony Thatcher. The interview examines the controversy surrounding the early negotiations for the acquisition by the Canadian Navy of the four DDH 280 destroyers between 1960 and 1965. The choice of propulsion machinery, the number of helicopters, as well as the armament all contributed to the expanded requirement of the ships, which the government believed would be a repeat of the DDH 265 Annapolis-class destroyer [General Purpose (GP) Frigate].
- **Bruce Wilson's** interview, conducted by Colin Brown, concerns the manufacturing, inspection and testing of electrical equipment for the DDE class destroyers undertaken by Canadian Westinghouse facilities in the 1950s.
- **Don Wilson's** interview was conducted by Gordon Smith. Captain (N) Wilson was involved in the DDH 280 Shipbuilding Program and was the first Engineering Officer of HMCS Huron. This interview relates to Capt (N) Wilson's time on the Staff of the Technical Services Detachment when HMCS Huron was being built, set to work and during the trials program. He took over from Gordon Smith, who was serving as the Chief Engineer under contract with MIL Sorel.

Administrative History

The Canadian Navy Defence Industrial Base (CANDIB) was organized in 2002 as a sub-committee of the Canadian Naval Technical History Association (CNTHA). The group

was established to organize the gathering of historically interesting information, data and anecdotal recollections of participants in the Defence Industrial Base, developed in response to Canadian Naval requirements from 1950 to 2003. The role of the Team is to establish realistic goals for the Project, set guidelines for the gathering of information and determine the manner in which information will be stored. Subject Team Leaders manage the collection of information for each of the areas in which the navy's activities impacted the industrial base throughout this period.

Other Notes

- The 30 cassette tapes were transferred to Library and Archives Canada between 2007 and 2013.
- The 37 compact disks and 1 computer disk have been withdrawn from circulation; researchers must use the textual copies.

Box	File	Title and Contents	Dates
23	7	Allan, Jock <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet, photograph and invoice 	2006
23	8	Allan, Jock – Supporting documents: <ul style="list-style-type: none"> • Appendix 1: Biography of Vice-Adm John Allan (n.d.) • Appendix 2: Note from Doug Hearnshaw (n.d.) • Appendix 3: Paper “DGMEM Talk on Lessons Learned from the DDH 280 10 June, 1977”, includes photocopy • Appendix 4: The DDH 280 Program, a paper by Major Jack Arsenault (Apr 1977) • Appendix 5: “Something to Remember”, paper by Captain (N) J. Allan (4 Jun 1973) (2 copies) • Appendix 6: DSS/DND memo from DDH 280 Project Review Group (Nov 1973) • Appendix 7: Newspaper clipping “Destroyer Costs, Go Up \$31 Million” (Feb 1971) 	n.d., 1971-1977
17A	49	Arnold, Chris <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet and copies of photographs 	2011
17A	22	Bennett, Thomas E. <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet, introductory statement and copies of photographs 	2005
17A	37	Blattmann, Bert <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release, synopsis sheet and introductory sheet 	2009
17A	31	Broughton, William J. <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release 	2007

Box	File	Title and Contents	Dates
		form, synopsis sheet, introductory statement and copy of photograph	
17A	51	Charles, John A. <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form and synopsis sheet 	2009
17A	23	Chiasson, Roger E. <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet, introductory statement and photograph 	2005
17A	29	Christie, W.B. <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet and photograph 	2006
17A	54	Cunnigham, Joe <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet, and a personal history 	2011, 2014
17A	36	Farquharson, Ken <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, introductory statement and synopsis sheet 	2009
17A	25	Gillis, Harold G. <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet and introductory statement 	2005
17A	42	Goossen, George <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form and synopsis sheet 	2011
17A	50	Hansen, Kenneth P. <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form and synopsis sheet 	2011
17A	38	Healey, Ed <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet and introductory statement 	2010
17A	32	Kerr, Donald <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet and introductory statement 	2007
17A	47	MacArthur, Leonard <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet, photograph and introductory statement 	2010
17A	39	McArthur, Andrew <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet and introductory statement 	2010
17A	48	McRitchie, William (Bill) <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet and introductory statement. 	2010
17A	46	Mason, John	2009 –

Box	File	Title and Contents	Dates
		<ul style="list-style-type: none"> • Transcript of interviews, copies of copyright release forms, synopsis sheets, photograph and introductory statements 	2012
17A	44	Maw, John <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet and introductory statement 	2009
17A	27	Mustard, Bob <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form and synopsis sheet 	2006
17A	43	Nixon, C.R. <ul style="list-style-type: none"> • Transcripts of interview, copy of copyright release form, synopsis sheet and copy of photograph 	2010
17A	28	Porter, Frank L. <ul style="list-style-type: none"> • Transcript of two interviews, synopsis sheets, copy of copyright release form, draft of “Trump Tribal Class Update and Modernization Project 1983 to 1993” and photograph 	2006
17A	52	Reilley, Dennis <ul style="list-style-type: none"> • Transcript of interview, copy of release form, synopsis sheet 	2011
17A	45	Roberts, Richard <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet and introductory statement 	2009
17A	35	Shepherd, John <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form and synopsis sheet. Also includes a slide deck regarding the Canadian Patrol Frigates Project 	2008-2009
17A	26	Smith, Gordon <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form and introductory statement. 	2006
17A	34	Stephens, Robert. St-G <ul style="list-style-type: none"> • Transcript of interview, copy of release form, synopsis sheet, introductory statement and two copies of photographs 	2008
17A	33	Struthers, Joseph <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form and synopsis sheet. 	2007
17A	53	Thomas, Chuck <ul style="list-style-type: none"> • Questions for interview, copy of copyright release form, “The CPF Program - How Did We Do It?” (presented at the Naval Association of Canada Conference) 	2012
17A	40	Van Dinther, Bill <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release 	2011

Box	File	Title and Contents	Dates
		form and synopsis sheet	
17A	30	Welland, Robert <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form and synopsis sheet 	2006
17A	24	Wilson, Brian <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release form, synopsis sheet, introductory statement and notes 	2005
17A	41	Wilson, Don <ul style="list-style-type: none"> • Transcript of interview, copy of copyright release, synopsis sheet and copy of photograph 	2010

**Series VI: Supporting Documents for Item 449 [Canadian Naval Sonar Development]
1974-1992 – Textual records in Boxes 24-38.**

Series Description

Series consists of supporting documents for item 449 – “A Chapter in the History of Canadian Naval Sonar Development 1973-1995” by F.A. Payne. Includes administrative information on the development of several Sonar technologies including CAD (Computer Aided Detection), TASP (Tactical Acoustic Signal Processor), CANTASS (Canadian Towed Array Sonar System), the AN/UYS 501 signal processor, the Towed Array Sensor, T-ASP (Teamed-Architecture Signal Processing), Next Generation Signal Processor, as well as the AN/SQS 510 EDM (Engineering Design Model). Includes status reports, financial reports, news releases, contracts, minutes of meetings, correspondence and program changes.

Administrative History

- **CAD** (Computer Aided Detection), designed to be compatible with the AN/SQS 505 active sonar system, CAD makes use of digital computers as an aid to sonar operations in detecting and tracking submarines.
- **TASP** (Tactical Acoustic Signal Processor), also referred to as AN/SQS 505, TASP processes sonar signals by inputting the data, processes it, sends it to post-processors and then on to display units. TASP was designed detect and track submarines and torpedoes.
- **CANTASS** (Canadian Towed Array Sonar System), a tactical towed array sonar system capable of detecting long range missile and torpedo firing submarines. The two major components of the CANTASS system are the wet-end and the dry-end. The dry-end is comprised of an acoustic processor, data distribution unit, and display system. The wet-end consists of a towed array sensor, handling and stowage group, high-density digital recorder, and array receiver.
- **AN/UYS 501**, a floating point processor which processes received signals.
- **Towed Array Sensor**, the ‘wet end’ of the Canadian Towed Array Sonar System which is towed behind a vessel and receives and records signals.
- **Next Generation Signal Processor**, the succeeding signal processor to the AN/UYS 501 consisting of a global working memory (WM) and up to 16 networked clusters. Capable of 40 times the computational throughput of the AN/UYS 501 and consists of two six-foot high cabinets. Eventually referred to as T-ASP (Teamed-Architecture Signal Processing) III.
- **AN/SQS 510 EDM** (Engineering Design Model), a software based programmable signal processor, succeeding the AN/SQS 505 signal processor. Receives and processes signals and includes digital instead of analogue receiver. The AN/SQS 510 is comprised of 8 cabinets

Other Notes

Item 449 in F.A. Payne’s “A Chapter in the History of Canadian Naval Sonar Development 1973-1995” can be found in Box 19 of the collection. The paper gives an

overview of the Canadian Naval Sonar Development Program from 1973 to 1995. The Program culminated in the production and installation of the AN/SQR 501 passive towed array sonar, as well as the AN/SQS 510 active sonar in the Halifax Class Canadian Patrol Frigates.

Box	Folder	Title and Content	Date
24	1	D6177 Sonar Studies <ul style="list-style-type: none"> Administrative information on the development of sonar for next generation surface ships including minutes of meetings and a report on a demonstration of project MILO. 	1976-1977
24	2	D6177 – A Review <ul style="list-style-type: none"> Book containing background information on sonar and the development of a replacement processor for the AN/SQS 505. 	August 1980
24	3	Sonar – CAD (Computer Aided Detection)/D6177 <ul style="list-style-type: none"> Administrative information on the development of Computer Aided Detection (CAD) 	1978-1980
24	4	Contracts, etc. – D1677 <ul style="list-style-type: none"> Contracts for the development of sonar equipment. 	1978-1979
24	5	Sonar – D6177 – Approval	1974-1977
24	6	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – I <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including TASP concept formulation, news release, contracts, and correspondence. 	1977-1979
24	7	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – II <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including contracts, news releases and diagrams. 	1979-1980
24	8	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – III <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including correspondence, contract demands and minutes of meetings. 	1980
24	9	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – IV <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including cost estimates, finalization of costs, contract demands and minutes of meetings. 	1980
24	10	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – V	1980-1981

Box	Folder	Title and Content	Date
		<ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including contract demands, correspondence and program change proposals. 	
25	1	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – VI <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including correspondence and minutes. 	1981
25	2	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – VII <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including program change proposals and analyst's concerns and analysis. 	1981
25	3	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – VIII <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including progress handouts, minutes of meetings and contract demands. 	1981-1982
25	4	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – IX <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including progress reports and a task acceptance by DREA (Defence Research Establishment Atlantic) 	1982
25	5	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – X <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including correspondence, contracts and minutes of meetings. 	1982-1983
25	6	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – XI <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including software development plans, progress reports, rationalization of D6177 spending and contracts. 	1983-1984
25	7	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – XII <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including the project implementation plan for 	1984

Box	Folder	Title and Content	Date
		AN/SQS 510.	
25	8	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – XIII <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including an overall 6177 schedule, status reports and correspondence. 	1985-1986
26	1	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – XIV <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including SQS 510 trials schedule, correspondence, 505 and 510 comparison trials and contract demands. 	1986
26	2	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – XV <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including status reports, sitreps, correspondence and chronology given to Auditor General. 	1986-1987
26	3	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – XVI <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including contracts, SQS 510 trial plans and status reports. 	1987-1988
26	4	Sonar – TASP (Tactical Acoustic Signal Processor)/D6177 – XVII <ul style="list-style-type: none"> Administrative information on the development of a replacement for the AN/SQS 505 processor including SQS 510 trials personnel list, financial encumbrances, and correspondence. 	1988
26	5	D6177 – SQS 510 ADM XVIII <ul style="list-style-type: none"> Contains contract requests, contract amendments, contracts, and invoices. 	1989-1990
26	6	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 <ul style="list-style-type: none"> Administrative information on the development of CANTASS including minutes of meetings and program change proposals. 	1980-1983
26	7	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 <ul style="list-style-type: none"> Administrative information on the development of CANTASS including background information leading up to CANTASS, contracts, 	1977-1978

Box	Folder	Title and Content	Date
		correspondence and minutes of meetings.	
26	8	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 II <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including program change proposals and minutes of meetings. 	1978
26	9	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 III <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including signature requests, contracts and minutes of meetings. 	1978
27	1	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 IV <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including minutes of meetings and correspondence. 	1978-1979
27	2	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 V <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including correspondence and minutes of meetings. 	1979
27	3	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 VI <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including contracts, minutes and CANTASS configuration. 	1979
27	4	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 VII <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including presentation material for CANTASS discussion, news releases and correspondence. 	1979-1980
27	5	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 VIII <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including minutes of meetings, contract demands and correspondence. 	1980
27	6	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 IX <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including CANTASS schedule, costs and minutes of meetings. 	1981
27	7	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 X	1981-1982

Box	Folder	Title and Content	Date
		<ul style="list-style-type: none"> Administrative information on the development of CANTASS including project change proposals and comments, correspondence and agreed project milestones. 	
27	8	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 XI <ul style="list-style-type: none"> Administrative information on the development of CANTASS including minutes of meetings and cost estimates. 	1982
28	1	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 XII <ul style="list-style-type: none"> Administrative information on the development of CANTASS including project change proposals, overview of towed arrays and cost revision. 	1982
28	2	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 XIII <ul style="list-style-type: none"> Administrative information on the development of CANTASS including minutes of meetings, CANTASS schedule and project change proposals. 	1982-1983
28	3	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 XIV <ul style="list-style-type: none"> Administrative information on the development of CANTASS including status reports, minutes of meetings and costing estimates. 	1983
28	4	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 XV <ul style="list-style-type: none"> Administrative information on the development of CANTASS correspondence and minutes of meetings. 	1983
28	5	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 XVI <ul style="list-style-type: none"> Administrative information on the development of CANTASS including information on a towed array workshop, contract demands and minutes of meetings. 	1983
28	6	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 XVII <ul style="list-style-type: none"> Administrative information on the development of CANTASS including correspondence, sitreps and contract demands. 	1983
28	7	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 XVIII <ul style="list-style-type: none"> Administrative information on the development of CANTASS including contracts, correspondence and minutes. 	1983-1984

Box	Folder	Title and Content	Date
28	8	Sonar – Passive CANTASS (Canadian Towed Array Sonar System) D6182 XIX <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including status reports and minutes of meetings. 	1984
29	1	Sonar –CANTASS (Canadian Towed Array Sonar System) D6182 XX <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including minutes and contracts. 	1984
29	2	Sonar –CANTASS (Canadian Towed Array Sonar System) D6182 XXI <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including newspaper announcement, minutes of meetings and contracts. 	1984-1985
29	3	Sonar –CANTASS (Canadian Towed Array Sonar System) D6182 XXII <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including contracts and minutes. 	1984-1985
29	4	Sonar –CANTASS (Canadian Towed Array Sonar System) D6182 XXIII <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including papers by Malcolm Smith on towed arrays, contracts and status reports. 	1985
29	5	Sonar –CANTASS (Canadian Towed Array Sonar System) D6182 XXIV <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including briefing material for the Auditor General, contracts and newspaper articles concerning CANTASS. 	1985-1986
29	6	Sonar –CANTASS (Canadian Towed Array Sonar System) D6182 XXV <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including newspaper articles on CANTASS, correspondence and minutes of meetings. 	1986
29	7	Sonar – CANTASS (Canadian Towed Array Sonar System) D6182 XXVI <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including status reports, news articles on CANTASS and correspondence. 	1986-1987
29	8	Sonar – CANTASS (Canadian Towed Array Sonar System) D6182 XXVII <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including status reports, correspondence and requisitions for goods and 	1987-1988

Box	Folder	Title and Content	Date
		services.	
30	1	Sonar – CANTASS (Canadian Towed Array Sonar System) D6182 XXVIII <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including calculating of contract distribution, contracts and minutes. 	1988
30	2	Sonar – CANTASS (Canadian Towed Array Sonar System) D6182 XXIX <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including magazine article on CANTASS, contracts and contract demand requests. 	1988
30	3	Sonar – CANTASS (Canadian Towed Array Sonar System) D6182 XXX <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including CANTASS articles, contracts and minutes. 	1988-1989
30	4	Sonar – CANTASS (Canadian Towed Array Sonar System) D6182 XXXI <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including a schedule, contract demands and minutes. 	1989
30	5	Sonar – CANTASS (Canadian Towed Array Sonar System) D6182 XXXII <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including Leroy Nelms' description of CANTASS, financial encumbrances, contracts and minutes. 	1989-1990
30	6	Sonar – CANTASS (Canadian Towed Array Sonar System) D6182 XXXIII <ul style="list-style-type: none"> • Administrative information on the development of CANTASS including status reports and correspondence. 	1990-1991
30	7	Sonar – CANTASS (Canadian Towed Array Sonar System) D6182 <ul style="list-style-type: none"> • Ian Landorg File - Administrative information on the development of CANTASS. 	1978-1982
31	1	AN/UYS 501 – Militarization project – D6185 I <ul style="list-style-type: none"> • Administrative information on the development of the militarization of the AN/UYS signal processor including program change proposals, correspondence and background comments. 	1978-1980
31	2	AN/UYS 501 – Militarization project – D6185 II <ul style="list-style-type: none"> • Administrative information on the development of 	1980-1981

Box	Folder	Title and Content	Date
		the militarization of the AN/UYS signal processor including minutes of meetings and correspondence.	
31	3	AN/UYS 501 – Militarization project – D6185 III <ul style="list-style-type: none"> Administrative information on the development of the militarization of the AN/UYS signal processor including program change proposal, contracts and financial encumbrances. 	1981-1983
31	4	AN/UYS 501 – Militarization project – D6185 IV <ul style="list-style-type: none"> Administrative information on the development of the militarization of the AN/UYS signal processor including status reports, cost estimates and minutes of meetings. 	1983-1984
31	5	AN/UYS 501 – Militarization project – D6185 V <ul style="list-style-type: none"> Administrative information on the development of the militarization of the AN/UYS signal processor including status reports and correspondence including project change proposal, status report and contracts. 	1984
31	6	AN/UYS 501 – Militarization project – D6185 VI <ul style="list-style-type: none"> Administrative information on the development of the militarization of the AN/UYS signal processor including correspondence, project change proposals and status reports. 	1984-1985
31	7	AN/UYS 501 – Militarization project – D6185 VIII <ul style="list-style-type: none"> Contract 	1984-1986
32	1	AN/UYS 501 – Militarization project – D6185 IX <ul style="list-style-type: none"> Administrative information on the development of the militarization of the AN/UYS signal processor including minutes and correspondence. 	1987
32	2	AN/UYS 501 – Militarization project – D6185 X <ul style="list-style-type: none"> Administrative information on the development of the militarization of the AN/UYS signal processor including status reports and milestone changes. 	1987
32	3	AN/UYS 501 – Militarization project – D6185 XI <ul style="list-style-type: none"> Administrative information on the development of the militarization of the AN/UYS signal processor including project reports and contract demands. 	1987-1988
32	4	AN/UYS 501 – Militarization project – D6185 XII <ul style="list-style-type: none"> Administrative information on the development of the militarization of the AN/UYS signal processor including correspondence, minutes of meetings and contracts. 	1988-1989
32	5	D6192 – Towed Array Sensor I <ul style="list-style-type: none"> Administrative information on the development of 	1984-1985

Box	Folder	Title and Content	Date
		the Towed Array Sensor including first suggestion for project, project proposal, correspondence and status reports.	
32	6	D6192 – Towed Array Sensor II <ul style="list-style-type: none"> Administrative information on the development of the Towed Array Sensor including project summary sheet, status reports and contracts. 	1985-1987
32	7	D6192 – Towed Array Sensor III <ul style="list-style-type: none"> Administrative information on the development of the Towed Array Sensor including milestone changes and project proposals. 	1987
32	8	D6192 – Towed Array Sensor IV <ul style="list-style-type: none"> Administrative information on the development of the Towed Array Sensor including research contract, status reports and correspondence. 	1987-1988
33	1	D6192 – Towed Array Sensor V <ul style="list-style-type: none"> Administrative information on the development of the Towed Array Sensor including contract demands and status reports. 	1988-1989
33	2	D6192 – Towed Array Sensor VI <ul style="list-style-type: none"> Administrative information on the development of the Towed Array Sensor including milestone changes, contracts and minutes of meetings. 	1989
33	3	D6192 – Towed Array Sensor VII <ul style="list-style-type: none"> Administrative information on the development of the Towed Array Sensor including minutes of meeting and project updates. 	1989
33	4	D6192 – Towed Array Sensor VIII <ul style="list-style-type: none"> Administrative information on the development of the Towed Array Sensor including contracts and minutes of meetings. 	1989-1990
33	5	D6192 – Towed Array Sensor IX <ul style="list-style-type: none"> Administrative information on the development of the Towed Array Sensor including presentation material for briefings, status reports and contracts. 	1990
33	6	D6192 – Towed Array Sensor X <ul style="list-style-type: none"> Administrative information on the development of the Towed Array Sensor including cost estimates, changes to milestones and project updates. 	1990-1991
33	7	D6192 – Towed Array Sensor XI <ul style="list-style-type: none"> Administrative information on the development of the Towed Array Sensor including contract demands, project reports and a final cost. 	1991
33	8	D6194 – T-ASP (Teamed-Architecture Signal	1984-1986

Box	Folder	Title and Content	Date
		Processing) Mk III I <ul style="list-style-type: none"> Administrative information on the proposal and development of Teamed-Architecture Signal Processing including an early proposal, contracts and correspondence. 	
34	1	D6194 – T-ASP (Teamed-Architecture Signal Processing) Mk III XDM II <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including program change proposals, progress updates, correspondence, minutes and contracts. 	1986
34	2	D6194 – T-ASP (Teamed-Architecture Signal Processing) Mk III XDM III <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including program change proposals, progress updates, and correspondence. 	1986
34	3	D6194 – T-ASP (Teamed-Architecture Signal Processing) Mk III XDM IV <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including program change proposals, minutes of meetings, progress updates, correspondence and contracts. 	1986-1987
34	4	D6194 – T-ASP (Teamed-Architecture Signal Processing) Mk III XDM V <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including minutes of meetings, progress updates, correspondence and contracts. 	1987-1988
34	5	D6194 – T-ASP (Teamed-Architecture Signal Processing) Mk III XDM VI <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including minutes of meetings, progress updates, correspondence and contracts. 	1988
34	6	D6194 – T-ASP (Teamed-Architecture Signal Processing) Mk III XDM VII <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including program change proposals, progress updates, correspondence and contracts. 	1988-1989
34	7	D6194 – T-ASP (Teamed-Architecture Signal Processing) Mk III XDM VIII <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including 	1989

Box	Folder	Title and Content	Date
		program change proposals, progress updates, correspondence and contracts.	
34	8	D6194 – T-ASP (Teamed-Architecture Signal Processing) Mk III XDM IX <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including program change proposals, progress updates, correspondence and contracts. 	1989-1990
35	1	D6194 – Next Generation Signal Processor XDM X <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including program change proposals, progress updates, correspondence and contracts. 	1990
35	2	D6194 – Next Generation Signal Processor XDM XI <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including program change proposals, progress updates, correspondence and contracts. 	1990
35	3	D6194 – Next Generation Signal Processor XDM XII <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including progress updates, correspondence and contracts. 	1990
35	4	D6194 – Next Generation Signal Processor XIII <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including minutes of meetings, program change proposals, progress updates, correspondence and contracts. 	1990-1991
35	5	D6194 – Next Generation Signal Processor XIV <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including program change proposals, progress updates, correspondence and contracts. 	1991
35	6	D6194 – Next Generation Signal Processor XV <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including progress updates, correspondence and contracts. 	1991
35	7	D6194 – Next Generation Signal Processor XVI <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including progress updates and contracts. 	1991
35	8	D6194 – Next Generation Signal Processor XVII <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including contracts, financial updates and minutes of 	1991-1992

Box	Folder	Title and Content	Date
		meetings.	
36	1	D6194 – Next Generation Signal Processor XVIII <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including contracts, status reports and minutes of meetings. 	1992
36	2	D6194 – Next Generation Signal Processor XIX <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including minutes of meetings, progress reports, contracts and correspondence. 	1992
36	3	D6194 – Next Generation Signal Processor XX <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including contracts and progress reports. 	1992
36	4	D6194 – Next Generation Signal Processor XXI <ul style="list-style-type: none"> Administrative information on the development of Teamed-Architecture Signal Processing including presentation material, contracts and notes from meetings. 	1992
36	5	D6196 – SQS 510 EDM (Engineering Design Model) I <ul style="list-style-type: none"> Administrative information on the development of the AN/SQS 510 sonar including program change proposals, minutes of meetings and cost estimates. 	1986
36	6	D6196 – SQS 510 EDM (Engineering Design Model) II <ul style="list-style-type: none"> Administrative information on the development of the AN/SQS 510 sonar including schedules, minutes of meetings, contracts and funding information. 	1986-1987
36	7	D6196 – SQS 510 EDM (Engineering Design Model) III <ul style="list-style-type: none"> Administrative information on the development of the AN/SQS 510 sonar including program change proposals, minutes of meetings and status reports. 	1987
36	8	D6196 – SQS 510 EDM (Engineering Design Model) (Contract) IV <ul style="list-style-type: none"> Contract for the development of the AN/SQS 510 sonar. 	1987
37	1	D6196 – SQS 510 EDM (Engineering Design Model) V <ul style="list-style-type: none"> Administrative information on the development of the AN/SQS 510 sonar including contracts, minutes of meetings, and program overviews. 	1987
37	2	D6196 – SQS 510 EDM (Engineering Design Model) VI <ul style="list-style-type: none"> Administrative information on the development of the AN/SQS 510 sonar including status reports, minutes of meetings and cost spread sheets. 	1987

Box	Folder	Title and Content	Date
37	3	D6196 – SQS 510 EDM (Engineering Design Model) VII <ul style="list-style-type: none"> • Administrative information on the development of the AN/SQS 510 sonar including cost breakdowns, minutes of meetings and correspondence 	1988
37	4	D6196 – SQS 510 EDM (Engineering Design Model) VIII <ul style="list-style-type: none"> • Administrative information on the development of the AN/SQS 510 sonar including minutes of meetings, correspondence and a course training standard for a sonar operations course. 	1988
37	5	D6196 – SQS 510 EDM (Engineering Design Model) IX <ul style="list-style-type: none"> • Administrative information on the development of the AN/SQS 510 sonar including program change proposals, status reports and minutes of meetings. 	1988
37	6	D6196 – SQS 510 EDM (Engineering Design Model) X <ul style="list-style-type: none"> • Administrative information on the development of the AN/SQS 510 sonar including program change proposals and status reports. 	1988-1989
37	7	D6196 – SQS 510 EDM (Engineering Design Model) XI <ul style="list-style-type: none"> • Administrative information on the development of the AN/SQS 510 sonar including program change proposals, status reports and schedules. 	1989
38	1	D6196 – SQS 510 EDM (Engineering Design Model) XII <ul style="list-style-type: none"> • Administrative information on the development of the AN/SQS 510 sonar including project updates, minutes of meetings and personnel requests. 	1989
38	2	D6196 – SQS 510 EDM (Engineering Design Model) XIII <ul style="list-style-type: none"> • Administrative information on the development of the AN/SQS 510 sonar including status reports, cost adjustment request and correspondence. 	1989
38	3	D6196 – SQS 510 EDM (Engineering Design Model) XIV <ul style="list-style-type: none"> • Administrative information on the development of the AN/SQS 510 sonar including minutes of meetings and cost calculations. 	1989
38	4	D6196 – SQS 510 EDM (Engineering Design Model) I <ul style="list-style-type: none"> • Administrative information on the development of the AN/SQS 510 sonar including costs based on ‘minimum’ assumptions, ‘worst case’ costs, status reports and minutes of meetings. 	1989-1990

**Series VII: Minutes/Agendas of Meetings
1993-1999 – Textual records in Box 40.**

Series Description

Series consists of minutes and agendas of Canadian Naval Technical History Association (CNTHA) meetings from 1996 to 1999. Includes correspondence between participants of these meetings, as well as documents regarding the creation of the CNTHA logo.

Box	Folder	Title and Content	Date
40	9	Minutes of meetings <ul style="list-style-type: none">• 1/1996 to 3/1996 (complete)• 1/1997 to 5/1997 (complete)• 1/1998-5/1998 (complete)• 1/1999 to 3/1999 (complete)	1996-1999
40	10	Correspondence related to the meetings and to CNTHA in general	1993-1999

**Series VIII: Defence Research Establishment, Atlantic Oversize
Technical Drawings
1944-1981 – 110 rolls of oversize technical drawings (12 oversize boxes).**

Series Description

Series consists of technical drawings from the Defence Research Establishment, Atlantic in Dartmouth, Nova Scotia from the 1940s to the 1980s. Contains technical drawings and material lists for Canadian-designed hydrofoils. Also includes slides, charts and graphs from various naval, as well as defence conferences where they were presented. The material covers the construction and design of various aspects of shipbuilding, including small details.

Administrative History

Originally named Defence Research Establishment, Atlantic (DREA), in 2000 the organization became an agency of the Dept. of National Defence (DND) and is now called Defence Research and Development Canada (DRDC). During the Second World War the National Research Council of Canada (NRC) conducted wartime research for DND and its military arms, the Royal Canadian Navy, the Royal Canadian Air Force and the Canadian Army. When NRC reverted to its peacetime activities following the war, DND sought to continue defence research and created the Defence Research Board (DRB) in April 1947 to coordinate the department's research and development activities. DRDC Atlantic is located on the shores of Halifax Harbour in the Dartmouth adjunct of Canadian Forces Base (CFB) Halifax's HMC Dockyard. DRDC Atlantic has expertise in antisubmarine warfare, mine and torpedo defence, shipboard command and control, air and naval platform technology. DRDC Atlantic has expanded its research programs to include emerging materials, signature management, maritime information and knowledge management, virtual platforms, as well as virtual combat systems. DRDC Atlantic also maintains and operates an underwater acoustic calibration facility on a barge moored at the deepest location on Bedford Basin, a distinctive local landmark for decades. In 1994, when the Defence Research Establishment Pacific (DREP) was closed as a separate establishment, the downsized facilities on the West Coast were placed under the aegis of DREA. The facilities were then operated by DRDC Atlantic as the Pacific Dockyard Laboratory.

Other Notes

The series is stored in the Oversize collection.

Box	Roll	Title and Content	Date
1	1	Material List for project 0503-02 Proteus. Includes instrument panel, steering systems, prop ventilation, and engine brake.	1970-1974
1	2	Technical Drawings for project 0503-02 Proteus.	1969-1971
1	3	Technical Drawings of four hydrofoil ships, Proteus, Bras D'Or, R-103, and R-100.	1952-1970

Box	Roll	Title and Content	Date
1	4	Technical Drawings for project 3803-55 Moby I to IV.	1963-1966
1	5	Technical Drawings for the hydrofoil ships R-103 and RX Craft.	1956-1960
1	6	Technical Drawings for RX Craft, R-103, Trilby Mk. 5, E.D.S. Tender, and R-100. Drawings and Parts list for Trilby Mk. 3A	1954-1958
2	1	Figures and slides from J. Acoustical Soc. Of America, DREA Report Acoustics/Physics, Wind Tunnel tests: VDS Bodies Fluids Mechanic Section, Paper for E.I.C. Journal 1969 electrical engineering, AIAA Paper Fluid Mech/ Eng. Physics , CASI Condensed Paper, NATO Symposium 1968, DRB Symposium 1967/68, J. Underwater Acoustics Nov 1968, Flow Noise Seminar, Structure and Mechanical Properties of Nickel - Iron Alloy Foil.	1968-1969
2	2	Technical Drawings for Cast-1, Trilby Mk. 3A and Mk. 4.	1955-1958
2	3	Material List for project 0503-02 Proteus consisting of 148 pages.	1969-1970
2	4	Material List with drawings for Bras D'Or, Trilby, Moby II, Cast-1, RX Craft, and Boby.	1956-1967
2	5	Technical Drawings for Moby I, R-103, Cyclops, and Cast-1.	1957-1967
2	6	Technical Drawings for RX Craft, Trilby, Cast-1, Trilby Mk. 3A.	1955-1959
2	7	Technical Drawings for R-103, project 3850-07 Trilby Winch, RX Craft, Cyclops, Hydrofoil Barge, and Trilby Mk. 5A.	1958-1961
3	1	Eleven large copies of slides used at the Advanced Marine Vehicle Conference, Hydronautics.	1976
3	2	Technical Drawings of R-103, Hydrofoil, Cast-1, Trilby. <ul style="list-style-type: none"> • B.3.50.06 type propellers, B.3 series propellers. • Fairing type NR-10-B, NR-10-A, NR-10-A Mk. 2 • Canby Mk. 1 • Parts for tow point "Toby" • Typical method of Locking Fairing on 0.802 cable • Sketch, experimental section crossed array, wake survey. 	1951-1980

Box	Roll	Title and Content	Date
3	3	Technical Drawings from 15 th American Towing Tank Conference Towed Systems/ Eng/ Physics <ul style="list-style-type: none"> • Profile foil Type 16-309 flapped section model • Spreader beam thrust calibration gear R-103 	1957-1974
3	4	Technical Drawings for Trilby Mk. 5, R-103, RX Craft	1957-1959
3	5	Technical Drawings for Cast-1, R-100, Bras D'Or, Moby I-II, IV, R-103, RX Craft, Trilby Mk. 5, Boby I, TL4-25 series transducer.	1955-1965
3	6	Technical Drawings for Cast-1, RX Craft, Trilby Mk. 4	1956-1957
3	7	Technical Drawings for Moby I-IV, Boby I, project 0570-02 Baddeck, R-103, project 7510-40, Bras D'Or, RX Craft.	1961-1966
3	8	Materials List for Moby II-IV, Boby I, Bras D'Or, Handling System, Dihedral System.	1963-1967
3	9	Technical Drawings for Cast-1 Towing Gear, Cast-1 Training Gear, RX Craft, and Trilby Mk.4 Cast-1.	1956
3	10	Technical Drawings for Depressor Control Fins and Details	1944
3	11	Technical Drawings for project 0503-02 Proteus.	1971-1972
4	1	Technical Drawings for project 3801-07, RX Craft, project 3850-07, R-103	1956-1965
4	2	Technical Drawings for Cast-1, R-100, Trilby, RX Craft	1956-1958
4	3	Technical Drawings for RX Craft, R-103, Cast-1, Trilby, E.D.S. Tender	1957-1960
4	4	Technical Drawings for I.S.A. Paper, Sonobuoy Working Party, N.R.E. Report, Microscope Sample Marker, Tow Cable, D.R.B. Symposium 1960, Diving Incident.	1959-1961
4	5	Technical Drawings with material list for project 0503-02 Proteus.	1968-1971
4	6	Technical Drawings for Bras D'Or Scientific trails.	1972
5	1	Technical Drawings for project 0503-02 Proteus	1966-1970
5	2	N.R.E. Report including P and M Section, data sheet, electrical section, and chemistry section. <ul style="list-style-type: none"> • Paper of Crystal sizes C and E Section • Calculation Sheet 	1960-1962

Box	Roll	Title and Content	Date
5	3	Technical Drawings for project 0503-02 Proteus	1974-1969
5	4	Technical Drawings for project 0570-02 Proteus	1966-1968
5	5	Technical Drawings for projects 0570-02 and 0503-02 Proteus	1966-1973
5	6	Charts and Drawings for measuring sound waves, and radio frequencies and transmissions.	1959
5	7	Technical Drawings for HMCS New Liskeard, HMCS Crusader, Cast-1, Trilby, RX Craft, R-100	1955-1956
6	1	Technical Drawings for project 3803-55 Moby I - IV	1964-1968
6	2	Technical Drawings for projects 0503-02, 3850-02 Proteus	1971-1974
6	3	10 graphs for Phx-109 Hydrofoil and 9 drawings for Phx 106 Hydrofoil	1957
6	4	Technical Drawings for Phx-109, 106 Hydrofoil, N.R.E. Serial #1920 Counter Control Unit, System for R/L Display tests, Gating Unit, F.M. Communications for HMCS New Liskeard and HMCS Crusader, Shackman Camera Control, and HMCS New Liskeard Topping Lift Winch	1957
6	5	Technical Drawings for I.A. F.H. Type 4 Hydrofoil R.V. Study	1973
6	6	Main Assembly and Drawing Index Material list for project 3803-55 Moby II	1964
6	7	Graphs and Formulas for Proteus	1977
6	8	<ul style="list-style-type: none"> • Slides from the U.S. Navy Symposium • Graphs of the thermal expansion of BaTiO₃ • Drawings and Graphs of a Low Noise Hydrophone Preamplifier • Tables of T/M 59/2 Underwater Physics • Drawings of Experimental Paints Y.C. Parksville and Y.C. Mannville • Slides from D.R.B. Symposium 1958 Underwater Physics • Slides and Drawings of Corrosion of Alloys in Seawater • Drawings for Physical Chemistry • Drawings for Underwater Physics • Graph of Performance of Supercavitating Propeller Hydrofoil • Wiring Diagram Salt Water Pump 	1958-1959

Box	Roll	Title and Content	Date
		House	
6	9	Technical Drawings for projects 3803-55 Trilby, 3850-15 Trilby Body, Trilby Winch, and Trilby Mk. 3	1954-1967
7	1	Technical drawings for Trilby Mk.5/ Cast 1	1957-1958
7	2	Technical drawing for Trilby Mk.5/ Cast 1	1957
7	3	Technical drawing R10112 for project 3803-55 Bras D'Or	1964
7	4	Technical drawings R11500, 11501, E1039 for project 0503-02 Proteus.	1970-1971
7	5	Drawings of N.R.E. Report 60/1-B, Principles of Hydrofoils, DREA Seminar 1971, 12 th Aeronautical Conf. 1971, F.H. Type 4 Sketch.	1963-1973
7	6	Material list for drawing number MB 328000 and technical drawings for project 0505-02 Proteus	1973
7	7	Technical drawing R10050 for RX Craft	1959
7	8	Technical drawings for Depth of Immersion Panel R103, Diagram of Diesel monitor and control board, T/M 59/6 Electrical Section, Calm Water trials Bras D'Or, Drawings WD 14393 and 14394.	1959-1973
7	9	Technical drawings for Trilby Winch New Liskeard and Trilby Mk. 5/ Cast 1	1958-1959
7	10	Technical drawings of Cast 1 Towing Gear, A.V.C. Receiver, Guidance Cabling Diagram HMCS Crusader/ Cast 1	1955-1959
7	11	Technical drawings of assembly for project 3803-55 Moby II	1963-1964
7	12	Technical drawing R10010 Cantilever Sub-Assembly RX Craft	1956
7	13	Technical drawing R10021 Assembly Bearing Indicator Training System Cast 1	1956
7	14	Technical drawing Cast 1 Towing Gear R9991 and R9993	1955
7	15	Technical drawings R9999 for RX Craft Transmission Assembly	1955
7	16	Technical drawings of project 3803-55 Moby, Assembly	1964-1965
7	17	Stringer Layout Hull Proteus 0503-02	1968
7	18	Technical drawings of project 0503-02 Proteus	1971
7	19	Technical drawings for R-100, project 3803-55 R-104, RX Craft, and Bras D'Or.	1952-1966
7	20	Technical drawings of N.R.E. Report Engineering Section, Fluid Mech. Section, and	1963

Box	Roll	Title and Content	Date
		P & M Section.	
7	21	Technical drawings for Fairing Trial WT, Over-Bow Gear (P.R.E. Boat), Moby Mk. 2 Nose, Canby Body Towing Arm, Canby Body Calibration, Index and Bill of Material, Towed Body Part Details	1950-1955
8	1	Technical drawings of Trilby Towing Gear Drawing numbers R10003 to R10009	1956
8	2	Technical drawings of Trilby/Cast 1, HMCS Crusader, R-103	1957-1958
8	3	Technical drawings of Trilby/ Cast 1	1956
8	4	Technical drawings for project 3803-55 Long Service Foil Dihedral Ladder.	1964-1965
8	5	Technical drawings for Proteus layout.	1967-1970
8	6	Technical drawings of Trilby.	1954-1955
8	7	Material and technical drawings for Proteus's Outdrive Camera Mount	1973-1977
8	8	Technical drawings for Proteus, Bras D'Or, and RX Craft.	1969-1981
8	9	Lines of form for Proteus.	1968
8	10	Technical drawings and material list for project 0503-02 Proteus.	1972-1981
9	1	Technical drawings for RX Hydrocraft, Bras D'Or, R-100.	1952-1966
9	2	Technical drawings E 10882 to E10921, E10945 for project 0503-02 Proteus.	1968-1969
9	3	Technical drawings of project 0503-02 Proteus.	1971-1975
9	4	Technical drawings for Cast 1, HMCS New Liskeard.	1955-1958
9	5	Technical drawings for project 0503-02, 0507-02, Proteus and 3850-15.	1966-1973
9	6	Technical drawings for Trilby.	1954-1955
9	7	Technical drawings for project 0503-02 Proteus.	1970-1974
9	8	Technical drawings for Trilby/ Cast 1	1955-1962
9	9	Slides and figures of Service performance of cast Magnesium alloy anode, Underwater physics, HMCS New Liskeard winch, Trilby cable configuration Dunker Group.	1956-1957
10	1	Technical drawings for project 3803-55 Moby, 3801-07 Boby, R-100, Snorkel Mounting Radar reflector.	1956-1965
10	2	Technical drawings of project 0503-02 Proteus. Drawing Numbers H2M1012, 1014, 1015, 1010.	1971
10	3	Technical drawings of project 0503-02 Proteus.	1968

Box	Roll	Title and Content	Date
10	4	Technical drawings for Trilby.	1953-1965
10	5	Technical drawings for RX Craft, R-103, R-100.	1954-1959
10	6	Technical drawings and material list for Canby, Proteus, MV Baddeck, Cyclops, R-103, 3801-07 Boby, Bras D'Or, and 3803-55 Moby.	1953-1965
10	7	Technical drawings for project 0503-02 Proteus.	1968-1974
10	8	Technical drawings for project 0503-02 Proteus.	1966-1970
11	1	Technical drawings and material lists for Trilby/Cast 1, HMCS Crusader, and HMCS New Liskeard Towing Gear.	1955-1956
11	2	Technical drawings of R-100 and R-103 instillations. Drawings of boat shed and cradle for R-100.	1951-1955
11	3	Technical drawings of project 3850-07 Trilby.	1954-1960
11	4	Technical drawings of project 3850-07 Trilby/Cast 1.	1957-1964
11	5	Technical drawings of project 0503-02 Proteus. Drawings E10750 to E10656.	1967-1969
11	6	Technical drawings for project 0507-02 Proteus, 3803-55 R-103, Bras D'Or. Drawings 10342 to 10655.	1963-1966
11	7	Figures and drawings for Hydrofoil options Hydronautics, DRB Symposium 1969, Calm Water Trail for Bras D'Or, HD 101 Profile and Underside.	1957-1974
11	8	Technical drawings of preliminary hull arrangements for RX Craft.	1954
11	9	Technical drawings of Trilby and Proteus.	1955-1970
11	10	Technical drawings for project 0503-02 Proteus.	1961-1973
12	1	Technical drawings for project 0507-02 Proteus.	1955-1969
12	2	Technical drawings for project 0503-02 Proteus.	1968-1970
12	3	Technical drawings for RX Craft, 3803-55 R-103, R-100.	1953-1968
12	4	Technical drawings for project 3803-55 Moby.	1963-1966
12	5	Technical drawings for project 0503-02 Proteus.	1968-1970
12	6	Technical drawings for project 0503-02 Proteus.	1969-1972

Box	Item	Title	Dates
46	533	CCS – Computing Devices Company – Brochure <ul style="list-style-type: none"> • SHINPADS Standard Multi-Sensor Digital Display 	Mar 1984
47	538	CCS – CCS 280 <ul style="list-style-type: none"> • Compiling System Operators Guide 	n.d.
47	542	CCS – CCS 280 – Course Notes <ul style="list-style-type: none"> • Programmer’s Guide & Hints to Programming 	
43	519	CPF – Paramax Electronics Inc. – Booklet <ul style="list-style-type: none"> • Introduction to the Canadian Patrol Frigate Combat System 	n.d.
46	532	DDE – Correspondence <ul style="list-style-type: none"> • DDE 257 radiated Underwater Noise; DN Mainguy, letter, 13 May 1960 and WM Creelman reply, 24 May 1960 	May 1960
45	525 A	DDH – DDH 280 Project Photographs and Commissioning Booklets <ul style="list-style-type: none"> • Volume 1 – Construction • Received from VAdm John Allan • 119 photographs: b&w; 18 x 12.5 cm • 2 photographs: b&w; 25.5 x 20.5 cm 	n.d., 1970
45	525 B	DDH – DDH 280 Project Photographs and Commissioning Booklets <ul style="list-style-type: none"> • Volume 2 – Construction • Received from VAdm John Allan • 134 photographs: b&w; 18 x 12.5 cm 	n.d.
45	525 C	DDH – DDH 280 Project Photographs and Commissioning Booklets <ul style="list-style-type: none"> • Volume 3 – HMCS Iroquois Sea Trials – Commissioning • Received from VAdm John Allan • 70 photographs: b&w; 25.5 x 20.5 cm • 1 photograph: col; 25.5 x 20.5 cm • 1 photograph: col; 10.5 x 8.5 cm 	1972
45	525 D	DDH – DDH 280 Project Photographs and Commissioning Booklets (2 files) <ul style="list-style-type: none"> • Volume 4 – HMC Ships Huron & Athabaskan • Received from VAdm John Allan • 71 photographs: b&w; 25.5 x 20.5 cm or smaller • 3 photographs: col; 25.5 x 20.5 cm 	1965, 1972-1973
45	527	DDH – Litton Systems Canada Limited – Booklet <ul style="list-style-type: none"> • Tribal Class Update and Modernization Project: Executive Summary 	Feb 1985
45	528	DDH – Project Review Group – Photographic Record <ul style="list-style-type: none"> • Project Review group visits to the DDH 280 HMCS 	1972

Box	Item	Title	Dates
		Iroquois on 11 Feb and 15 Mar 1972 <ul style="list-style-type: none"> 13 photographs: b&w; 25.5 x 20.5 cm 	
45	529	DDH – Ministers Management Review Group – Photographic Record <ul style="list-style-type: none"> Visit on 17 June 1972 of the DDH 280 and DDH 281 by Ministers Management Review Group 8 photographs: b&w; 25.5 x 20.5 cm 	1972
47	544	ENG – Naval Diesel Mechanics Information – 35mm Slides <ul style="list-style-type: none"> Cummins Bulletin 3387032-S (116 slides) Cummins Bulletin 985565 (104 slides) 220 slides: 35mm 	n.d.
47	549	GEN – Royal Canadian Navy <ul style="list-style-type: none"> Equipment Developments, various threads 	Mar 2014
45	526	HIS – Institute of Electrical and Electronics Engineers Inc. – Article <ul style="list-style-type: none"> Research Enterprises Ltd. And the Wartime Emergence of Radar 	Mar 1990
45	530	HIS – No Author – Draft Narrative <ul style="list-style-type: none"> Naval Research Establishment History 	n.d.
46	531	HIS – Naval Research Establishment – Newsletters <ul style="list-style-type: none"> Includes Jul 1946, Jan 1947, July 1947, Jan 1948, Aug 1948, Feb 1949, Sep 1949 and Dec 1950 Includes annotated photo montage 1 photograph: b&w; 25.5 x 20.5 cm 	1946-1950
48	454	HIS – DGMEM (Directorate of Marine Equipment Engineering) – Address <ul style="list-style-type: none"> Address to the Engineering Institute of Canada Centennial Convention, Montreal 	May 1987
46	537	HYD – Canadian Westinghouse Co. Ltd., Electronics Division – Manual <ul style="list-style-type: none"> Neliac Compiler Reference Manual for FHE-400 Hydrofoil 	Jun 1968
48	550	HYD – MacGillivray, Bill – Email <ul style="list-style-type: none"> Email with copies of two photographs re Rx Craft 	11 Mar 2014
44	551	HYD – Photographs <ul style="list-style-type: none"> Foil arrangements 5 photographs: b&w; 51 x 40 cm 	n.d.
47	552	HYD – de Havilland Aircraft of Canada Limited – Handbook <ul style="list-style-type: none"> Ship’s Handbook for the FHE 400 Hydrofoil Ship Bras D’Or 	May 1972
48	556	LOG – 11900 DDH/NC (CL) TD 2300P, 26 Oct 1972 <ul style="list-style-type: none"> DDH 280 Support Spares, covering DGMM (Director General Maritime Materiel) Presentation to Program 	1972

Box	Item	Title	Dates
		Review Group DDH 280 on Support Spares, 21 Sep 1972	
47	546	MAT – Barnard, K.N. – Reprint of Article <ul style="list-style-type: none"> Corrosion of a Steel Ship in Sea Water, Defence Research Board of Canada, reprinted from Canadian Journal of Research, F, 26: 374-418 	Sep 1948
48	553	MCY – Wind, J. – Paper <ul style="list-style-type: none"> Hub Size Selection Criteria for Controllable Pitch Propellers as a Means to Ensure Systems Integrity 	8 Mar 1978
48	555	MCY – Mose, I.E.R. – Paper <ul style="list-style-type: none"> Gas Turbine Operating Experience in the Canadian Forces DDH280 Class Destroyer, Directorate of Marine Equipment Engineering; presented to Symposium on Gas Turbine Operations, Calgary 	6 Jun 1977
47	547	OSS – Drent, Jan and Janice – Email <ul style="list-style-type: none"> Aircraft-type Probe for Replenishment at Sea Hoses, email thread 	Feb 2011
43	520	PER – Officer Classification Structure – Report and Documents <ul style="list-style-type: none"> Officer Classification Structure – Progress Report, 31 Mar 1969 A Precis Outlining the General provisions of the CF Officer Classification System, CFHQ, 2 Apr 1969 CF Officer Classification Structure – Proposal for MARE and MARS Classifications, 20 Feb 1970 	1969-1970
43	522	PER – Dean, J.G. – Documents <ul style="list-style-type: none"> Documents pertaining to CSE employment at sea 1974 timeframe 	1974
45	524	SHB – Marine Industries Limited – Album <ul style="list-style-type: none"> Souvenir: Naming and Commissioning Ceremonies of the HMCS Huron which took place on 14 December 1972 at Marine Industries Limited, Sorel, Quebec Received from VAdm John Allan 11 photographs: col; 19.5 x 24 cm 9 photographs: b&w; 19.5 x 24 cm 	1972
43	521	SHP – Douglas, W.A.B. – Email and Attachment <ul style="list-style-type: none"> Shipbuilding in Canada during the First World War 	6 Feb 2012
47	539	SNR – IP Sharp Associates Limited, Ottawa – Report <ul style="list-style-type: none"> Sonar 505 Computer program Report 2 System Level Documentation 	10 Sep 1968
47	548	SNR – Jorna, Cdr (Ret'd) Sid – Paper <ul style="list-style-type: none"> Royal Canadian Navy Shipboard Sonar Development A Technical and Industrial View 	n.d.
45	523	TRG – Chief of the Defence Staff – Manual	1987

Box	Item	Title	Dates
		<ul style="list-style-type: none"> Course Training Standard – Occupation Specialty Qualifications: Maritime Engineering Combat Systems Engineering Officer Ship Department Head 	
46	535 A	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> Varian Associates – Radar 	1974
46	535 B	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes [2 files] <ul style="list-style-type: none"> Notes Vol. 1 (Radar, Electronic Warfare (EW), Navigation, Fire Control, Electromagnetic Interference (EMI)) 	ca.1984
46	535 C	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> Notes Vol. 2 (Admin personnel, communications, command & control, torpedoes, ADLIPS (Automatic Data Link Plotting System)) 	ca.1984
46	535 D	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes [2 files] <ul style="list-style-type: none"> Notes Vol. 3 (sonar, TACAN (Tactical Aid to Navigation), horizon bar, Divisional System) 	ca.1984
46	535 E	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> Fluid Power – Manual and exercise book 	ca.1984
46	535 F	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> Technical University of Nova Scotia – Lecture notes on materials 	ca.1984
46	535 G	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> New Developments (electro-optics, lasers) – Photocopy of a chapter 	ca.1984
46	535 H	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> Introduction to Electro-Optics – Photocopies of articles and handouts 	ca.1984
46	535 I	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> Systems Configurations – Photocopy of article 	ca.1984
46	535 J	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> Gyro – Photocopies of articles 	ca.1984
46	535 K	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> Weapon System Tasks: The Anti-Air Threat - Paper 	ca.1984

Box	Item	Title	Dates
46	535 L	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> • Warship Survivability – Photocopies of articles 	ca.1984
46	535 M	TRG – Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> • Electronic Warfare (EW) 	ca.1984
46	535 N	TRG - Kollenberg, K, Combat Systems Engineering – Course Notes <ul style="list-style-type: none"> • Navigation Aids 	ca.1984
47	545	TRG – Creelman, Sub/Lt WM – Journal <ul style="list-style-type: none"> • Journal of Sub/Lt WM Creelman (SB) RCNVR (Royal Canadian Naval Volunteer Reserve), HMCS Cornwallis (Second World War Divisional Officer’s Course Notes) 	1943
46	534	TTL – Ships’ Magnetic Signature / Deguassing – Drawings and Charts <ul style="list-style-type: none"> • Charts of Canadian Ship Influence Ranges (1962) • Degaussing Range Bedford Basin (n.d.) • As Fitted Degaussing Oils – HMC Ships Micmac / Cayuga / Athabaskan (1945, 1947) • J3370 & J4513 Classes (Except J4373) Permanent Internal DG Route of Coils & HP Supply Aggts (n.d.) 	n.d., 1945, 1947, 1962
46	536	WCS – Combined Support Centre, NAD, Dartmouth, NS – Manual <ul style="list-style-type: none"> • Introduction to Underwater Combat System (Interim) 	Jan 1970
47	540	WCS – ASWDS – Draft <ul style="list-style-type: none"> • Operational Program Programming Specification 	Nov 1971
47	541	WCS – UCS 280 – Course Notes <ul style="list-style-type: none"> • Operational Program Programming Specifications 	n.d.
47	543	WCS – NV Hollandse Signaalapparaten, Hengelo, Holland – Course Notes <ul style="list-style-type: none"> • SMR Programming Course 	27 Feb 1969
48	7	BRCN 1504 Radio Theory Notes RCN	1943
48	8	Canada. Department of National Defence (Naval Service) List of S. and C.N.S. Forms in Use in the Royal Canadian Navy	1942
8	319	SUB – Finlay, F – Paper Canadian Technical Involvement in the Design and Construction of the Canadian “O” Class Submarine Program Includes a 1 photograph: b&w; 21 x 17.5 cm	Jun 1993
40	9	Minutes of meetings <ul style="list-style-type: none"> • 1/1996 to 3/1996 (complete) • 1/1997 to 5/1997 (complete) 	1996- 1999

Box	Item	Title	Dates
		<ul style="list-style-type: none">• 1/1998-5/1998 (complete)• 1/1999 to 3/1999 (complete)	