

Arrangement

Vol. File No.

Subject

(4 Tape Recordings Transferred to Sound Recording Unit)

Structures Group Reports

1	DM ST 1	Field Data and Crash Site Documentation, 16 July 1964.
	DM ST 2	Nose Landing Gear, June 1964
	DM ST 3	Overall Deformation Damage, 22 Jan. 1964.
	DM ST 4	Elevator Hinges, Dampers and, 23 June 1964.
	(Rev.) Pt. I	Torque Tube Buss
	DM ST 4	Horizontal Tail Surfaces, 23 June 1964.
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	DM ST 5	Left Wing, 13 Oct. 1964.
2	DM ST 6	Right Wing, April 10, 1964.
	DM ST 7	Rear Fuselage and Tail Cone Assembly, April 10, 1964.
	DM ST 8	Fuselage Nose and Centre Section, 7 Oct. 1964.
	DM ST 9	Wing Centre Section, 7 Oct. 1964.
	DM ST 10.1	Rudder, Feb. 12, 1964.
	DM ST 10.2	Rudder Tab, Feb. 12, 1964.
	DM ST 10.3	Fin, 6 Oct. 1964.
	DM ST 11	Examination whether fire involved, 23 Sept. 1964.
3	DM ST 12	Tires, 9 Mar. 5, 1964.
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	DM ST 12	Main Landing Gear, 3 April 1964.
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	DM ST 13-2	Safety belts, Mar. 24, 1964.
	DM ST 14	Engine Mounts, Aileron Control Tab and Spoilers, 30 May 1964.
	DM ST 15	Fuselage Structural Damage, 15 Mar. 1964.
	DM ST 16	Structural Implication of Maintenance and Modification, July 14, 1964.
	DM ST 17	Horizontal Stabilizer Centre-Box, July 2, 1964.
	DM ST 18	Possibility of Explosion, April 1964.
	DM ST 19	Aircraft accident involving DC-8F, 28 July 1964.
	DM ST 20	LTR 88 - On some effects of disintegration occurring along the flight path (2 copies), 20 Nov. 1964.
	DM ST 21	Structures Group: Agenda and Errata to documentation of investigation of aircraft accident involving DC8F aircraft CF-TJN. (2 copies), Dec. 1, 1964.
		<u>Systems Reports</u>
4	SYS 1	Flight Control System, Sept. 11, 1964.
	SYS 2	Electrical Power, Sept. 11, 1964.
	SYS 3	Fuel System, Sept. 11, 1964.
	SYS 4	Air Conditioning System, Sept. 11, 1964.
	SYS 5	Landing Gear, Sept. 11, 1964.
	SYS 6	Hydraulic Power, Sept. 11, 1964.
	SYS 7	Pneumatic Power, June 4, 1964.
	SYS 8	Ice and Rain Protection, June 4, 1964.
	SYS 9	Navigation System, Sept. 11, 1964.
	SYS 10	Fire Protection, June 4, 1964.
5	SYS 11	Autopilot System, Sept. 11, 1964.
	SYS 12	Communication System, Sept. 11, 1964.
	SYS 13	Oxygen System, June 4, 1964.
	SYS 14	Aircraft Instrumentation, Dec. 1, 1964.
	SYS 14	Further Data from Heading and Altitude Instruments, 1964.
	(addendum)	
	SYS 15	Summary Report Systems Group, 27 July 1964.
	SYS 16	Systems group Supplements (Print), 1964.

Unnumbered Files

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6	(Operations Group) Original Statements, of witnesses, 1963
7	Witness Statements (Operations Group), 1963-64 Summary Accident Report (DEPT OF TRANSPORT) 1963 Factual Report of Investigation (Operations Group), 1964. Working Papers, 1963-1964. Submission of Trans Canada Air Lines in the matter of the Public inquiry into aircraft accident to DC-SF-54CF-TJN, Nov. 29, 1963 (2 copies). <i>Nov 29, 1963.</i> Brief submitted by Canadian Airlines Pilots Association (2 copies <i>Feb. 15, 1964</i>) Public Inquiry into Aircraft accident <u>Proceedings on Nov. 3, 9, 10, 12, 1964; Dec. 2, 3, 7, 8, 1964 and List of exhibits.</u> Public Inquiry <u>Proceedings Nov. 9th, 10th (2), 12th, 1964 and Dec. 2, 3, 7, 8, 1964.</u>
9	DC-8 Operating Manual F55. Vol. 1. 1963.
10	Flight training and check manual F 59, 1963. Flight Operations 500, 1963.
11	Exhibits No. 1-57. (<i>Nov 9-12, 1964</i>).
12	Exhibits No. 58-79. (<i>Nov. 12 - Dec. 8, 1964</i>).

* A detailed list of Exhibits (Nos 11-12) is available with this finding aid.

- 1 Organizational chart of the investigation.
- 2 Sketch and map of probable flight path.
- 3 Aircraft maintenance and inspection certificate.
- 4 DC-8 Aircraft Maintenance En Route Lay-Over Check.
- 5 Campaign on the air starter quill shafts.
- 6 Certificate of Aircraft and Power Plant Ground Check Authority.
- 7 Grooming sheet.
- 8 Cargo check card.
- 9 Service Weather Record, Station Montreal International Airport, Dorval, November 29th, 1963.
- 10A, B, C & D Photographs of radarscope record.
- 11 Summary on weather conditions in the Montreal area on the evening of November 29th, 1963.
- 12 Rain Gauge Report at Dorval, November 29th, 1963.
- 13 Statement of Captain N. McCulloch.
- 14 Letter of Mr. Richard Bolduc, the original of letter from Mr. Siegfried.
- 15 Flight despatching manual issued by T.C.A.
- 16 Flight despatch manual.
- 17 Transcription, Montreal tower - ground control frequency 121.9 megacycles.
- 18 Power control report.

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<u>No.</u>	<u>Description</u>
19	Transcription, Montreal Area Control Centre Departure Frequency 120.1 Megacycles, November 29th, 1963, Trans-Canada Flight 831.
20	Aircraft Fluid Requirements Form, No. 276.
21	DC-8 Fuel Work Sheet.
22	Statement of Mr. Thomas Watt
* 23-27	Entered during proceedings in the French language.
28	Statement of Mr. Luck.
27	Statement of Madame Fernandé Plouffe.
28	Entered during proceedings in the English language.
29	Document. <i>Sketch by Mme Simon Pierre Biguère</i>
30	<i>Statement - Mme Simon Pierre Biguère</i>
31	Document. <i>Statement by M Vital Brisebois</i>
32	<i>Photograph. Operations Group Report Summary of Weather Montreal Area, 29 NOV 1963</i>
33	Original statement signed by Mr. Aimé Berthiaume and his son, Mr. Yvon Berthiaume.
34	Additional statements of Mr. Yvon Berthiaume.
35	Sketch by Mr. Charbonneau illustrating position of the aircraft as given by Mr. Lanctot.
23.	<i>Statement of Mrs Guy Dupont</i>
24.	<i>Statement of Adrien Paré</i>
25	<i>Statement of Louis Suard</i>
26	<i>Statement of Gisèle Lamontagne</i>
27	<i>Statement of Madame Fernandé Plouffe</i>

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39	Sketch indicating location of local witnesses in relation to the point of impact
40	Report on Captain John Douglas Snider, <i>Records & Documents Group Report</i>
41	Airline Transport Pilot Licence No. AT-666, John Douglas Snider
42	Licence Renewal Certificate AT-666
43	Endorsement Certificate, AT-666
44	Department of Transport Internal Memorandum from the Toronto Regional Office to Ottawa
45	History of First Officer Harry Jacob Dyck, <i>Records & Documents Group Report</i>
46	Airline Transport Pilot Licence No. YZA-818
47	Renewal Certificate for Airline Transport Pilot Licence YZA-818
48	Endorsement Certificate
49	Internal memorandum from the Department of Transport Regional Office in Toronto to Headquarters
50	Summary on Second Officer, Edward Desmond Baxter, <i>Records & Documents Group Report</i>
51	Commercial Pilot's Licence No. YZC-7668
52	Renewal Certificate
53	Endorsement Certificate
54	Original Aircraft History, <i>Records & Documents Group Report</i>
55	Certificate of registration
56	Certificate of airworthiness
57	Powerplant Group Investigation Summary of Aircraft DC-8F (<i>missing</i>)
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	59 Sketch of JT3D thrust reverser

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62	Complete report of the Structures Group, made up of a series of documents numbered from 1 to 21.
63	Chart.
64	Sketch of fuselage compartments of a DC-8F aircraft.
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70	Analysis Report of Operations Group.
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72	Comparison of estimated stick forces required to maintain equilibrium, provided by Douglas Aircraft in 24th March, 1964, and 16th June, 1964.
70A	Enlargement of Figure 8 of Appendix B of Exhibit No. 70.
73	Figure 8, with weather data and position of witnesses applied.
74	Two medical reports on Co-Pilot Dyck, dated March 7th, 1963, and September 23rd, 1963.
75	Two medical reports on Second Officer Baxter dated March 19th, 1963 and September 23rd, 1963.

<u>No.</u>	<u>Description</u>
76	Douglas Service Bulletin dated September 9th, 1964, DC-8-SC1439. No. 27-161.

77	Model DC-8 estimated rolling performance.
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78	Photograph of the horizontal surface trim motor control valve.
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79	USA Civil Aeronautics Board, Washington, Investigation, N 8607, Eastern Airlines Inc., Douglas DC-8, New Orleans, 25 Feb 1964
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