

21	High Lift Wing for RPV Recovery: Notes, Graphs and Drawings	Jul 1977
22	DAAB07-78-Q-1533 Mini-RPV Automatic Recovery System Contract Proposal and Notes	Dec 30 1977
23	Ryan Flexbee Surveillance Drone System and Photos	Undated
24	RPV Industry Pamphlets	Undated
25	Propeller Propulsion for RPV's: Articles and notes	1976
26	Report R-585-1 The Aeroelastic Behavior of Rotary Wings in Forward Flight Volume II Correlation with a Servo-Flap Rotor System Contract#64-0488f Kaman	Undated
27	The Application of Reliability Concepts to Fatigue Loaded Helicopter Structures	May 3 1962
28	WADC TR 59-714 Study and Development Criteria for High-Speed Power Transmission Shafts	Dec 1960
29	FTD-TT-63-792 Flexible Heavy-Duty Transmissions	Undated
30	Rotor Systems and Control Problems in the Helicopter	Sep 5 1947
31	Resonant Fatigue Failures Associated with Noise	
32	WCT 2366 Phase II Flight Tests of the Seibel YH-24SE Helicopter, USAF 51-5113	Oct 22 1951
33	TN WCT-52-47 Functional Development Test of the YH-24SE Helicopter	Dec 1952
34	AFFTC-TH-59-4 Limited Performance Evaluation of the H-43A Helicopter	Mar 1959
35	AFFTC-TR-60-2 Air Force Flight Evaluation of the YHO-2HU Helicopter	Feb 1960
36	Theoretical Investigation of Coaxial Rigidly-Mounted, Two-Bladed Rotors, Final Report Contract# W 33-038 AC-9772 Bendix	Aug 7 1946
37	USAAVLABS TR 70-59 Effect of Rotor Blade Root Cutout on Vertical Drag Contract# DAJ02-70-C-0010	Oct 1970
38	USAAVLABS TR 70-24 An Investigation on the Structural Dynamics of Helicopter Rotors Contract# DAAJ02-67-C-0099	Apr 1970
39	WADC TR 55-437 Part II An Investigation on the Handling Qualities of a Sikorsky H-19 Helicopter Equipped with Various Mechanical Stabilizers Contract# AF 33(616)-2780	Mar 1959
40	Natural Antiresonances in Structural Dynamics	Sep 24 1971
41	Application of Advanced Composites to Helicopter Airframe Structures	May 1974
42	The Application of Fracture Mechanics to the Design of Damage-Tolerant Components of the UTTAS Helicopter	May 1974
43	The Use of Test Data to Improve Large Scale Dynamic Models of Structures	Nov 8-9, 1973
44	WADD TR 61-177 Structural Safety Under Conditions of Ultimate Load Failure and Fatigue	Oct 1961

	45	WADC TR59-507 Fatigue of Aircraft Structures	Aug 11-13 1959
		POWERPLANTS	
103	1	An Experimental Investigation of a Low-Speed Circulation-Controlled Aerofoil by R.J. Kind & D.J. Maull Cambridge University	Jul 1967
	2	Tech Proposal No. 927 Model A51605-274 Propeller for Bell Aircraft Model D190-B Aeroproducts	Jul 1959
	3	AHS 24 th National Forum – No. 213 The Toroidal Rotary Regenerator for Gas-Turbine Engines by Henry J. Selfors Pratt & Whitney	May 8-10 1968
	4	AHS 24 th National Forum – No. 212 Allison T63 Regenerative Engine Program by Edward J. Privoznik General Motors	May 8-10 1968
	5	LTS 101 Turboshaft Engine Avco Lycoming	Apr 1974
	6	LTS 101 Turboshaft Engine Avco Lycoming	Apr 24 1974
	7	T5508D Turbine Engine for the Bell Model 214B Avco Lycoming	Undated
	8	USAAVLABS TR 66065 An Experimental Investigation of the Effect of Forward and Rearward Motion on the Thrust of a Shrouded Propeller Contract# DA 44-177-AMC-892(T)	Sep 1966
	9	NASA CR-121095 High-Tip-Speed, Low-Loading Transonic Fan Stage – Part I Aerodynamic and Mechanical Design Contract# NAS 3-13498	Apr 1973
	10	Proceedings of the 1980 Conference on Propeller Propulsion	Apr 1980
	11	Report DM 62-14 A Comparison of VTOL Propulsion Systems in a Subsonic Mission by W.L. Rodenbaugh General Electric	Jan 18 1962
	12	High Bypass Turbofan Engines Avco Lycoming	Undated
	13	Advanced Lift Cruise Engines and Lift Fan Systems Pratt & Whitney	May 17 1966
	14	Report PDS-3384 STF/S-351 Convertible Engine Studies 2500-6000 SHP Pratt & Whitney	Sep 5 1969
	15	Report GP 73-127RVP Propulsion Summary Pratt & Whitney	Undated
	16	USAAVLABS TR 69-59 Detailed Design of a 2000-SHP Advanced Technology V/STOL Propeller System	Sep 1969
	17	IAS Paper No. 59-107 Wind Tunnel Tests of Shrouded Propellers and Their Application by Robert K. Wattson, Jr & Vernon O. Hoehne Univ. of Wichita	Jun 16-19 1959
	18	FTD-MT-24-141-70 Gas Turbine Engines for Helicopters (from Russian)	Jun 24 1971

19	Report HSER 2417 Static Whirl Test Evaluation of a Full-Scale Variable Camber Propeller Phase I Contract# Now 60-0564-d Hamilton Standard	May 31 1961
20	Experimental Rotating Combustion Engines – A New Shape in Power Curtiss	C.A. 1963
21	SAE 650200 Advanced Propeller Developments for V/STOL Aircraft by George Rosen Hamilton Standard	Apr 12-15 1965
22	SAE 730911 Lycoming LTS 101 – Low Cost Turbine Power in the 600 hp Class by A. Myers & E. Pease Avco Lycoming	Oct 16-18 1973
23	SAE 740165 Lycoming’s LTS 101 Engine Design by J. Moore & E. Pease Avco Lycoming	Feb 25-Mar 1 1974
24	FAA-ADS-59 A Study of Twin-Engine Airplane Propeller Interconnection – Final Report	Jan 1966
25	Report TAR-TR-625 The Aerodynamic Loading on Streamlined Ducted Bodies by Gary R. Hough Contract# Nonr-2859(00) THERM	Dec 1962
26	Propulsion Prospects by R.H. Weir – The Aeronautical Journal of the Royal Aeronautical Society	Nov 1969
27	General Airscrew Applications to VTOL Propulsion THERM	May 16-17 1961
28	Miscellaneous Propeller Papers	Various
29	Tandem Air Propellers II by E.F. Lesley	Undated
30	NACA TN No. 322 The Effect of the Wings of Single Engine Airplanes on Propulsive Efficiency as Shown by Full Scale Wind Tunnel Tests	Oct 1929
31	NACA TN No. 333 Test of an Adjustable Pitch Model Propeller at Four Blade Settings	Feb 1930
32	NACA TN No. 562 Experimental Investigation of Aircraft Propellers Exposed to Oblique Air Currents	Apr 1930
33	NACA TN No. 677 Tests of a Contra-Propeller for Aircraft	Nov 1938
34	NACA TN No. 689 Tandem Air Propellers	Feb 1939
35	NACA ARR No. L4E22 Wind-Tunnel Tests of Dual-Rotating Propellers with Systematic Differences in Number of Blades, Blade Setting, and Rotational Speed of Front and Rear Propellers	May 1944
36	NACA ARR No. 4H26 An Experimental Investigation of the Thrust and Torque Produced by Propellers Used as Aerodynamic brakes	Aug 1944
37	NACA ARR No. ACR No. L5A11 The Effect of Trailing-Edge Extension Flaps on Propeller Characteristics	Jan 1945
38	NASA TN D-318 A Wind-Tunnel Investigation of Three Propellers Through an Angle-of-Attack Range from 0° to 85°	Apr 1960

	39	NASA TN D-1774 Aerodynamic Characteristics of a Full-Scale Propeller Tested with Both Rigid and Flapping Blades and with Cyclic Pitch Control	Apr 1963
	40	R. & M. No. 1377 Application of Goldstein's Airscrew Theory to Design by C.N.H. Lock (British Air Ministry)	Nov 1930
	41	R. & M. No. 1674 Tables for Use in an Improved Method of Airscrew Strip Theory Calculation by C.N.H. Lock & D. Yeatman (British Air Ministry)	Oct 22 1934
	42	Report No. 675 Tests of a Hamilton Standard Four-Way, 21-Inch-Diameter Model Propeller Employing the U.S. Navy Airborne Model Testing Facility Contract# Nonr 1858(14) Princeton Univ.	Apr 1964
	43	23LF Small Gas Turbine Propellers with Amendment 1 Hamilton Standard	Undated
	44	WADC TR 59-421 Study of Propeller Controls for VTOL Aircraft Applications – Phase I – Determination of Aircraft Configuration and Control Requirements Contract# AF-33(616)-6072	Jun 15 1959
	45	Doc 81205 Variable Camber Propeller Performance Investigation Boeing Vertol	Feb 4 1966
	46	NASA CR 114399 Advanced general Aviation Propeller Study Contract# NAS2-6477	Dec 21 1971
	47	AR# 1023 Generalized Propeller Noise Estimating Procedure – Revision D. Hamilton Standard	Jul 12 1971
	48	NASA CR 114289 Advanced General Aviation Propeller Study Contract# NAS2-5885 Hamilton Standard	Apr 1971
	49	NASA CR xxx Computer Program User's Manual for Advanced General Aviation Propeller Study Contract# NAS2-6477 Hamilton Standard	Dec 21 1971
		PROPELLERS	
		Conference on Propeller Propulsion(COPP), Apr 22-24 1980	
104	1	COPP Application of Propeller Technology to General Aviation Aircraft	Nov 1980
	2	COPP Review of Propeller Propulsion Progress up to the 1970's by Charles Scolatti	C.A. 1980
	3	COPP Remarks by David J. Goldsmith of Eastern Airlines	C.A. 1980
	4	COPP Propeller Drive System Considerations, Requirements, Design Philosophy, Recommended R&D and Quantification of Benefits by Terry A. Lyons	C.A. 1980
	5	COPP The Commercial Aircraft Designer's View of Propeller Propulsion by Richard Foss	C.A. 1980
	6	COPP A Military Aircraft Designer's View of Propeller Propulsion by Richard Scherrer	C.A. 1980

7	COPP Advanced Propeller Potential by Bernard Gatzen Hamilton Standard	C.A. 1980
8	COPP Navy User's View of Propeller Propulsion by Captain W.A. Finn	C.A. 1980
9	COPP The Commercial Aviation User's View of Propeller Propulsion by David J. Goldsmith	C.A. 1980
10	COPP Engine Considerations by Robert Neitzel & Robert Hirschkron	C.A. 1980
11	COPP Application of Propeller Technology to General Aviation Aircraft by Cornell Slivinsky	C.A. 1980
12	COPP General Outline and Host Comments by Donald L. Nored NASA-Lewis Research Center	Apr 22-Apr24 1980
13	COPP related Clippings and Articles	Various
14	COPP – Photos and Vugraphs	C.A. 1980
15	COPP – Congressional Subcommittee Testimony	C.A. 1980
16	The World is Round and So Are Propellers	Jan 27 1981
17	NASA's Propfan Program – The case for Acceleration	Undated
18	Propfan C-141 In-Service Demonstration	Jan 15 1981
19	Turboprop Study	Jan – Jun 1981
20	Luszczak ASD Activities	Undated
21	Other Propeller Presentations	Various
22	COPP – Miscellaneous	C.A. 1980
23	Recommended Plan to Achieve Timely Technology Readiness of Prop-Fan Propulsion & Airplane Systems	Jan 23 1981
24	Report NAPTC-AED-1862 Advancement in Technology for Propellers: State of the Air	Nov 15 1967
25	SP 05A80 Advanced Turboprop Propulsion Technology	Oct 1980
26	Quiet 24PF Fiberglass Covered Propeller Blade Hamilton Standard	Nov 17 1975
27	Possibilities for Progress in Gear Technology	Mar 28 1968
28	SP 07A77 Prop-Fan Technology Status Report	Undated
29	Hamilton Standard – Advanced Propeller Concepts	C.A. 1963
30	Hamilton-Standard – Propellers for Advanced V/STOL and STOL Aircraft	C.A. 1968
31	AIAA 79-0610 Aeroacoustic Design of the Propeller by F.B. Metzger & C. Rohrbach Hamilton Standard	Mar 12-14 1979
32	SAE 780995 Prop-Fan Propulsion – Its Status and Potential	Nov 27-30 1978
33	NASA CR 159355 Turboprop Cargo Aircraft Systems Study Phase I Contract# NAS1-15708	Nov 1980
34	PDB 6101 Generalized Method of Propeller Performance Estimation Hamilton Standard	Jun 1963
35	Experimental Verification of Hamilton-Standard Method of Calculating Performance of Propellers in a Shroud	Mar 24 1961
36	Miscellaneous Design Information (Propellers)	Undated
37	Propeller Performance Bibliography	Jun 21 1973

	38	Prop Fan Articles	C.A. 1972
		SMALL TACTICAL AERIAL MOBILITY PLATFORM (STAMP) & Lindenbaum Presentation of 1981	
105	1	VTOL Overview Through 1980	C.A. 1981
	2	V/STOL Concepts and Developed Aircraft – A Historical Review by Bernard Lindenbaum - Documents Contract# N00019-78-C-0552	Mar 1981
	3	V/STOL Concepts and Developed Aircraft – A Historical Review by Bernard Lindenbaum - Notes Contract# N00019-78-C-0552	Mar 1981
	4	Report No. NWC TP 5853 The Alperin Jet-Diffuser Ejector (AJDE) – Development, Testing, and Performance Verification Report Contract# N00123-74-C-0243	Feb 1976
	5	Jet Diffuser Ejectors – Miscellaneous Papers	C.A. 1973
	6	WASP II Program – STAMP – Williams Research Corp.	Sep 24 1980
	7	Preliminary Systems Design Engineering for a Small Tactical Aerial Reconnaissance System – Visual (STARS-V) USAAMRDL	Jun 15 1974
	8	TN 4008-5 Revision 1 STAMP Operational Concepts, Mission Characteristics and Design Guidance by James G. Martz, III Naval Weapons Center	Apr 1973
	9	TN 4008-6 STAMP Technical Survey, Key Parameters and Technical Concepts of Promise by Bradley D. Kowalsky & Scott W. Pitcher Naval Weapons Center	Apr 1972
	10	STAMP Documents and Papers	C.A. 1974
	11	Report No. 1751 Feasibility Study of Small-Rocket Lift device Contract# DA 44-177-TC-595 Aerojet-General Corp.	Feb 1960
	12	Special Report No. 1820 Stability and Control Study of a Small Rocket Lift Device by P.A. Sollow Aerojet	Jul 1 1960
	13	Proposal No. R-2622A The Revision and Expansion of the ASD/XR Drone/RPV Mission Analysis Study Univ. of Dayton	Apr 15 1977
	14	Proposal No. R-3035 Review of V/STOL Concepts and Developed Aircraft Univ. of Dayton	Feb 23 1978
	15	Report No. TR-737 Jet Lift Concepts to Improve Individual Soldier Mobility by A.H. Bohr Thiokol	Jun 3 1959
	16	Report No. TR 3355-1 Rocket Jump Belt – A Proposed Experimental Program by A.H. Bohr Thiokol	Aug 1 1960
	17	Document No. 74-210824 Test Report – Small Tactical Aerial Platform (STAMP) – Demonstrator Vehicle Static Tests and Tethered Flight Tests Garrett	Mar 19 1974

	18	Document No. 74-210825 TR –Feasibility Study for Small Tactical Aerial Platform (STAMP) NWC Contract# N00123-73-C-1073 Garrett	Mar 27 1974
	19	Proposal for the Development of a Lift-Fan-Stabilized STAMP Vehicle Hydra-Electric Co.	Oct 15 1973
	20	Report No. 159-X-36 Preliminary Design Study of STAMP Configurations NASC Contract# N00019-73-C-0519 Piasecki.	Nov 30 1973

SERIES XI: Microfilm, 1950

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
		Records of the Prewitt Aircraft Company, Clifton Heights, PA	
106	1	History of the Helicopter, Volumes 1, 2, 4, 11, 12, 13, 16 (A to C), 16 (D to Z)	Mar 10, 1950
	2	Rotary Wing Aircraft Handbooks and History, Volume 1, Roll 2 History of the Helicopter from its Beginning to the year 1900	Mar 9, 1950
	3	Rotary Wing Aircraft Patent Abridgement, Volume 15, 18002 to 2,491,260	Feb 1, 1950
	4	Rotary Wing Aircraft History, Volumes 3, 5, 6, 7, 8, 9, 10, 14, 16, 17, 18	Apr 27, 1950
	5	Rotary Wing Aircraft History, Volume 3	Apr 26, 1950
	6	Rotary Wing Aircraft History, Volume 3 to Volume 18	Apr 26, 1950

SERIES XII: Film, 1938-1977

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
107	1	L-123 – “Spinning and Tumbling Tests of a 1/18-Scale Model of the Ryan X-13 Airplane” and “Drop Tests of a 1/18-Scale Model of the Ryan X-13 Airplane,” (NACA), 35 minutes, Silent/Black & White	Apr. 1956
	2	Down-Wash Tests, Eglin AFB, FL, CH-3, HH-53, C-142A	Undated
	3	W/O 8875, “VJ-101 Briefing Film”, AF Flight Test Center, Edwards AFB, CA, Color, Silent	Undated
	4	“CL-757 V/STOL Flying Simulator,” Lockheed, Color/Sound, 9 minutes	Apr. 23, 1965
	5	“ESCAPAC,” Douglas Aircraft Comp., 10 minutes, Color/Sound	Undated
	6	YAV-8B, Color, 4.5 minutes	Undated

	7	W/O 8875, "VJ-101C (X-2) Telescope Runs," Tests: Optimization of Auto-Stabilization System in pitch, roll, and yaw," AF Flight Test Center, Edwards AFB, CA, Color	May, Aug. 1966
	8	Prod. 1563, "Scale Model Tests (Langley)," Bell Aircraft Corp.	Oct 10, 1958
	9	First Flight, RSAF System 37	Feb. 8, 1967
	10	W/O 8219, "STOL Demonstrations DHC-5," Color	Undated
	11	JO# 785, "P-1127 (VTOL)," US Naval Missile Center, Point Mugu, CA, Color, Silent, 35mm	Jun. 15, 1967
	12	W/O 8875, "DO-31 Briefing Film," Color	c.a.1966
	13	"XC-4B Hummingbird II, Quarterly Progress Report No. 9, Oct. 1-Dec 31, 1968," Lockheed-Georgia, 10 minutes	Dec. 1968
	14	"XC-4B Hummingbird II Quarterly Progress Report No. 3, 1 Apr. 1967-30 Jun. 1967," Lockheed-Georgia, 8 minutes	Jun. 1967
	15	"XC-4B Hummingbird II Quarterly Progress Report No. 3, 1 Apr. 1968-30 Jun. 1968," Lockheed-Georgia,	Jun. 1968
	16	"XC-4B Hummingbird II Quarterly Progress Report No. 6, 1 Jan. 1968-31 Mar. 1968," Lockheed-Georgia, 9 minutes, 15 seconds	Mar. 1968
	17	"XC-4B Hummingbird II Quarterly Progress Report No. 1, 21 Sept. 1966-21 Dec. 1966," Lockheed-Georgia, 9 minutes	Dec. 1966
	18	"XC-4B Hummingbird II Quarterly Progress Report No. 4, 1 Jul. 1967-30 Sept. 1967," Lockheed-Georgia, 10 minutes	Sep. 1967
	19	"XC-4B Hummingbird II Quarterly Progress Report No. 5, 1 Oct. 1967-31 Dec. 1967," Lockheed-Georgia, 10 minutes	Dec. 1967
	20	"XC-4B Hummingbird II Quarterly Progress Report No. 2, 22 Dec. 1966-31 Mar. 1967," Lockheed-Georgia,	Mar. 1967
	21	"XC-4B Hummingbird II Quarterly Progress Report No. 8, 1 Jul. 1968-30 Sept. 1968," Lockheed-Georgia, 7 minutes	Sep. 1968
	22	XC-4B Hummingbird II Quarterly Progress Report, Lockheed-Georgia, Undated	Undated
	23	MS-401-252, "XV-4B Seat Ejection Report, Lockheed	c.a.1968
	24	XV-4B Ejection Seat	Undated
108	1	H-43 Icing Test Shots, 10 troops in Hoist operation, Autorotation landing, Firefight demonstration	1959?
	2	Bell Helicopter Company, "Master"	1965
	3	"Downwash Survey Test, " Eglin AFB, FL, Aug 21-Aug 25, 1967, Edited Version, 17 minutes, Color/Silent	Aug. 1967
	4	Early Attempts and Some Helicopters to mid-1950s, Historical Film Series, Shell Film	Undated
	5	AVROCAR (V/STOL Aircraft) (VHS Tape Copy with 16 mm Film)	Undated

109	1	UH-1 Annual Report	Undated
	2	“H43B Huskie Progress Report,” Kaman Aircraft Corp.	Undated
	3	HU-1D First Flight	c.a.1962
	4	X-18 Wing Tilt Operation – Progress	1958
	5	Sikorsky “Flying Crane Movie,” 20 min.	Jul. 1959
	6	“Know Your Iroquois,” Bell Helicopter Comp., 32 min. Color/Sound	Undated
	7	W.O. 8232, “Avro Car Model,” Color, Approx. 20 min	Mar. 1959
	8	Unidentified Boeing Vertol film	Dec. 1963
	9	“How the XV-4A Augmented Thrust System Works”	Undated
110	1	“Vision Achieved,” Boeing Vertol Division, Color/Sound, 15 min.	Nov. 1966
	2	Springboard for Science?	Undated
	3	Air Slew Missile Tests in PWT	Undated
	4	W.O. 698 D.C. Reel 5, Silent Color Print N.C.	Undated
	5	Joint Flight Test Group, AF Flight Test Center, Edwards AFB, CA, Color	2 Oct. 1967
	6	“Final Flight Test Report X-13 Jan. 1957-Jul. 1957,” Ryan Aeronautical Comp., Color/Sound, 12 min.	Jul. 1957
	7	D.O. 31, V/STOL, Color	Undated
	8	Unidentified	Undated
	9	Sikorsky CH-54A, Vietnam	c.a.1967
	10	Unidentified	1968
	11	S-64 Ship Trainer Demo, Color, 10 min.	Undated
	12	“Two Decades of V/STOL,” Ryan Aircraft Comp., Color, Sound, 14 min. (Out take?)	Undated
	13	Unidentified	Undated
	14	Aerodyne in der Flugerprobung, 9 min. 35 sec.	1972
	15	MP-223, “XV-4A Hummingbird,” Lockheed-Georgia Company, Color/Sound, 12 min.	Undated
	16	“Rigid Rotor Concept,” Lockheed Company, Color/Sound, 7 min.	Aug. 1965
	17	T58 Engine Manufacturing, General Electric	Undated
	18	“VERTOL V-76 Progress Report	Undated
	19	XV-4A Hummingbird, Camera Position Master	Undated
	20	X-19 Flight, Aerial Camera, Curtiss-Wright VTOL Systems Division, Color	Aug. 1965
	21	“Last Half of Flight Phase Test, Test #3 & #4”, Ryan Aeronautical Company. Color, Silent,	c.a.1966
	22	Unidentified	Undated
	23	WCBS Radio Helicopters, Color	Apr. 1967
	24	“Hueycobra,” Bell Helicopter Comp, Color/Sound, 8 min.	Undated
	25	“Vertical Take Off and Landing Flight 54 & 55,” Ryan Aeronautical Comp., B/W, Silent	Apr. 1957

	26	“X-13 First Hovering Flight,” Ryan Aeronautical Comp., Color/Silent	May 1956
	27	“X-13 Hook on to Cable,” Ryan Aeronautical Comp., Color/Silent	Jul. 1956
	28	“Waffen system KAD Korps Aufklarungs Drohne,” Dornier PR, 10 min. 20 sec.	c.a.1973
	29	Unidentified (no case)	Undated
111	1	74/W-12 97010, Aerospace General Helo, Color	c.a.1974
	2	Unidentified	Undated
	3	XV5A, XC142	Undated
	4	Summary of Ground and Air Tow, Sikorsky Aircraft, Air Material Command, B&W, Silent, 18 min.	Undated
	5	Unidentified	Undated
	6	Unidentified	Undated
	7	Radio 88	Undated
	8	HU-1A Annual Progress Report, Bell Helicopter Corp., Color/Sound	Undated
	9	Rigid Rotor Developments, Lockheed California, Color/Sound, 4 min.	Undated
	10	Unidentified	Undated
	11	V/STOL Aircraft Developments, Air Material Command, B&W, 27 min.	Undated
112	1	W.O. 72-800, C-135 Laser Taff Test #2	Nov. 1972
	2	X-142 Hover Over Patrol Box & STOL Landing (Edwards AFB?), Color/Silent	c.a.1966
	3	5” Folding Prop Rotor Model Wind tunnel Test, Bell Helicopter Comp., Color/Silent, 5 min	Feb. 1970
	4	XC-142A Flight #29, #2 Airplane, Color/Silent	c.a.1965
	5	XC-142 #929 Test, Desert Landing Attempt, AF Flight Test Center, Color,	Mar. 1966
	6	SAAB	Undated
	7	Joint Flight Test Group, AF Flight Test Center, Color	Oct. 1967
	8	Distortion Patterns	c.a.1968
	9	Unidentified	Undated
	10	P41C-COA, TC-427	Undated
	11	Data on Investigation of the Effects of Airframe Design on Inlet Flow Fields by Constant Prokop, Fairchild Republic Division	Undated
	12	P41C-COA, TC-427	Undated
	13	Hoverbuggy, North American Aviation, Color/Silent, 1 min	c.a.1964
	14	Slides for Japan DEA Briefing	Jul. 1966
113	1	SPR 36-70, Human Engineering Long Line Loiter, Color	Undated

	2	Drops to Small Sites	Undated
	3	Nichols Design Session, 8mm film	Undated
	4	SFR – Mother/Daughter, Color	Apr. 1968
	5	C-130 and L-286 Mother & Daughter Program, Lockheed Company, 16 min.	Undated
	6	L-286/130 Proximity Flying, Lockheed Company, 12 min.	Undated
	7	Helicopter Tow Range Extension	Undated
	8	Aerocrane Test, Armed Forces Day	Apr. 1977
	9	AHS X-22A	Undated
	10	Kellett YO-60 & YG-1B Jump Take Off, Color	Undated
	11	C-3 Spot Landings, Jump Take Off	Undated
	12	Progress In VTOL, Report #2, Boeing VERTOL Division, B&W, Sound, 5 min.	Undated
	13	The U.S. Army VZ-2 Tilt-Wing Research Aircraft, Boeing VERTOL Division, Color/Silent, 10 min.	Undated
	14	XC-142, XV-5, X-19	Undated
	15	Tri-Service Accidents	Undated
	16	Unidentified (not on reel)	Undated
	17	Go Patrol Excerpts	Undated
	18	Early GIROs	Undated
	19	Progress in VTOL, #3, Boeing VERTOL Division, B&W/Sound, 8 min.	Undated
	20	German (Focke) Rotary Wing Kite	Undated
	21	Autogiro (Not on Reel)	Undated
	22	XR-3 (?)	Undated
	23	Kellett	Undated
	24	US AAC Autogiro Unite Graduation Exercises at Patterson Field, Fairfield, OH plus Series of Scenes of five Kellett YG-1B Autogiros taxiing on ramp and take-off	c.a.1938
	25	Unidentified	Undated
114	1	XC-142 T.O. & Landing, 20 Palms, Color	Mar. 1966
	2	XC-142 Downwash Tests at Eglin AFB	Undated
	3	XC-142 #924 Multi Air Drops	Oct. 1966
	4	Dummy Rescue Pick-Up, XC-142A, Color/Sound, 5 min.	Undated
	5	XC-142A	Undated
	6	Stencil Kit NATC Test	Undated
	7	XV-4B Escape	May 1968
	8	Gelac (XV4B Hummingbird) Status Report XV-4B, Lockheed –Georgia Company, Color/Sound, 4 min.	Oct. 1968
	9	Gelac (XV4B Hummingbird) Status Report XV-4B, Lockheed –Georgia Company, Color/Sound, 4 min.	Oct. 1968
	10	XV4B Tzxi & 1 st Flight, T/O & Landing, 4 min.	Undated
	11	Gelac (XV4B Hummingbird) Status Report XV-4B, Lockheed –Georgia Company, Color/Sound, 4 min.	Oct 1968

	12	XC-142 Documentary, Paris Air Show, Color/Silent, 17 min.	Undated
	13	XC-142A TAC Demo at Eglin Air Force Base, Color/Silent, 12 min.	Oct. 1966
	14	XC-142 Category II Operational Suitability Tests, Color/Sound, 19.5 min.	Undated
	15	Comparative Downwash and Simulated Forest Rescue, Color	Undated
	16	Ground Damage Film, Color/Sound, 19 min.	Undated
	17	AVROCAR Progress Report #2, Color/Silent	Undated
	18	XC-142A Sand Operations at Edwards AFB, Silent	Undated
	19	V41A-77A Test	Dec. 1974
	20	Bell XF109 Mock Up & Free Flight Test in Wind Tunnel	Undated
115	1	Focke-Achgelis, Large Twin Rotor, Focke-Achgelis Kite, R-6, F-5	Undated
	2	Mother/Daughter, C-130 and Lockheed 286 (Unedited air-to-air)	Mar. 1968
	3	AFSS Tactical Usage	Undated
	4	Flying Lifeboat (Coast Guard)	Undated
	5	Film Clips (Historical), VS-300 through CH-53 (Jolly Green)	Undated
	6	“Three if by Air,” 33.55 min.	Undated
	7	Battlefield Pegasus, Boeing Vertol Division, Color/Sound, 12 min.	Mar. 1967
	8	Lockheed Topped Rotor, Retractable Rotor	Undated
	9	XFY-1, Convair newsreel release film	Jan. 1957
	10	XFY-1 “POGO” Hover Test, Convair, San Diego, Color	1954
	11	Kellett YO60 and YG1B Gregory Jump-Off, Color	Undated
	12	Rigid Roto Acrobatics, Lockheed California, Color/Sound, 9 min.	Undated
	13	Bell Aero D-188, Preliminary Progress Review, Bell Aircraft Corp.	Undated
	14	Staff Film Report Submission, 14-41-67, Color	Mar. 1967
	15	X-13, Portion removed from history film and replaced with more complete hook on sequence	Undated
	16	No Man Expendable, Sikorsky Aircraft, Color, 12 min.	Undated
	17	W-14-CL, Color/Silent	Undated
	18	Model 48	Undated
	19	U of Maryland, XV-48 Wind tunnel Tests, Tufts & Water	Undated
	20	Stowed Rotor ½ Span Model, Princeton Test, Boeing Helicopters, Color/Silent	Undated
	21	1966 AFA Briefing, Stabilized vs Unstabilized Tests, Douglas Aircraft, Color/Silent	1966
	22	AFFDL Air Slew Missile, Hughes Model	Undated
	23	Aftermath of Harrier Crash	Undated

	24	Bell XV-15, Clip removed from Bell film	Undated
116	1	Flight Tests of 1/5 Scale Model of the Ryan X-13 Airplane, Color/Silent, 15 min.	c.a.1961
	2	“GADS” Graphic Airfield Damage Simulation), McDonnell Douglas, Color, 12 min.	1980
	3	X-14 Documentary, Bell Aircraft Corp.	Undated
	4	Wings for the Ground Commander, Boeing VERTOL Division, Color/Sound, 16 min.	Mar. 1967
	5	Rigid Rotor Revolution, Lockheed California, Color/Sound, 16 min.	Mar. 1966
	6	Pan Am Bldg Roof?	Undated
	7	Construction by ‘Copter,’ Sikorsky Aircraft, Color/Sound, 19 min. 18 sec.	Undated
	8	Vought-Flying Pancake, V-173 STOL, 1942 (Navy), Prototype (XFSU-1), Flew 130 hours of testing	Undated
	9	Composite XV-4B	Undated
	10	“Vertability,” Intro to American Helicopter Society’s first film for industry, premiered at 23 rd Annual National Forum	1967
	11	Balzac Flight Test, Boeing Aircraft, Color/Silent	Oct. 1965
	12	Navy Accident	Undated
117	1	Ryan XV-5A Progress Report	Jul. 1964
	2	Qualitative Assessment, 17 min.	Undated
	3	X-13 Used in Combat (Korea?), Also, Bell 42	Undated
	4	XH-17?	Undated
	5	YH-40 Annual Report, Color/Sound	Undated
	6	Demonstration of Kellett YO-60 Autogiro, Silent	Undated
	7	V/STOL History Film, Non-Helicopter VTOL Aircraft	Undated
	8	Sikorsky S60 Sky Crane?	Undated
	9	X-13 Film	1955
	10	XV-15 Flight Update, Bell Helicopter, 11 ½ min.	Undated
	11	XV-3 Summary Report, Color/Sound	Undated
	12	XR-3	c.a.1975
118	1	X-19, X-22, XC-142 (May be mold damaged)	Undated
	2	Bendix – 1 place and 5 place; XHRP-1 and Franks original PV-1 (May be mold damaged)	Undated
119	1	XH-17 Upside down, PV-3 Color; Other Miscellaneous Clips	Undated
	2	The Evolution of Airlift, Color, 21 min. 40 sec.	Undated
	3	Propulsion for Vertical Flight, Vertical Flight Foundation film, Color/Sound, 13 ½ min.	Undated
	4	H\$3B Huskie Progress Report II, Kaman Aircraft Corp., Color/Sound, 20 min.	Undated

	5	Charlies Choppers SDQP	Undated
	6	The Bell Helicopter (Bell Early Helicopters)	Undated
	7	XV-4B Hummingbird II Final, Report, Lockheed-Georgia, Color/Sound, 19:05 min.	Jun. 1969
	8	Joint Flight Test Group, Color	Oct. 1967
	9	Pitcairn Autogiro Development	Dec. 1973
	10	SAAF: Viggen – fpl37 (English version of Swedish film), 17 min	1970
	11	Unidentified	Undated
	12	Unidentified	Undated
		VHS Tapes	
120	1	LTA 20-1 Development Summary, Program #3, 7 min.; Walter Cronkite’s Universe “Airship Feature Interview,” 12 min.	Dec. 1981; Jun. 1982
	2	Clyclo Crane, Tillanook, OR and Powered Balloon, Astoria, OR	Undated
	3	Geared Flap Model Flight Films	Undated
	4	French – Alar Volant Choppers	Undated
	5	Projecting Power from the Sea, a presentation of the Navy League of the United States in Association with Hughes Aircraft Company	Undated
	6	O-Wing VTOL	Undated
	7	Air Force TOWS (“Hat”), Washington, D.C. (Video Original Copy of Lindenbaum) 12 min.	May 1998
	8	Logging with Helicopters (From Brinkley U.S. Forest Service)	1986
	9	Cessna’s Helicopter Adventure, 1 hr. 49 min	Undated
	10	Excerpts of V/STOL History	Undated