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*National Air and Space Museum*

## Captured German Aeronautical Documents (CGD) Microfilm

2001

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## Collection Overview

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|--------------------|--|
| <b>Repository:</b> | National Air and Space Museum Archives   |
| <b>Title:</b>      | Captured German Aeronautical Documents (CGD) Microfilm   |
| <b>Date:</b>       | 1945-1946  |
| <b>Identifier:</b> | NASM.XXXX.0408   |
| <b>Extent:</b>     | 7 Microfilm reels  |
| <b>Language:</b>   | English .  |
| <b>Summary:</b>    | Collection of microfilmed translations of captured German documents mainly relating to supersonic research, swept-back wings, jet-propulsion, patents, explosives, ballistics, missiles, compressors, and other aeronautical subjects. |

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## Administrative Information

### Acquisition Information

United States Navy?, unknown, unknown, XXXX.0408, unknown

### Processing Information

Described and encoded by Paul Silbermann, 2019.

### Preferred Citation

Captured German Aeronautical Documents (CGD) Microfilm, Acc. XXXX.0408, National Air and Space Museum, Smithsonian Institution.

### Restrictions

No restrictions on access

### Conditions Governing Use

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## Biographical / Historical

In the final days of World War II, the advancing Allied armies captured a large number of documents from the German and Japanese governments. These documents were taken to various sites in Europe and the United States for evaluation and appraisal. Those documents considered valuable were microfilmed for preservation.

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## Scope and Contents

This collection is an incomplete set of microfilmed translations of captured German documents mainly relating to supersonic research, swept-back wings, jet-propulsion, patents, explosives, ballistics, missiles, compressors, and other aeronautical subjects. This set contains rolls 1, 3-4, 6, 8-9, and 14.

Note: The digital images in this finding aid were repurposed from scans made by an outside contractor for a commercial product and may show irregular cropping and orientation in addition to color variations resulting from damage to and deterioration of the original objects.

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## Arrangement

Documents are filmed in Army Air Forces Air Technical Services Command (AAF ATSC) Translation File Number order. File numbers are in the form "CGD-#".

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## Abbreviations

*AAF*: [United States] Army Air Forces

*ADRC*: Air Document Research Center, USSTAF (later T-2)

*AEL*: Aeronautical Engine Laboratory, Bureau of Aeronautics, United States Navy

*ATSC*: Air Technical Service Command, United States Army Air Forces

*AVA Göttingen*: Aerodynamische Versuchsanstalt Göttingen E.V.

*BuAer*: Bureau of Aeronautics, United States Navy

*BuOrd*: Bureau of Ordnance, United States Navy

*BuShips*: Bureau of Ships, United States Navy

*DAL*: Deutsche Akademie für Luftfahrtforschung [German Academy for Aeronautical Research]

*DFS*: Deutsche Forschungsanstalt für Segelflug "Ernst Udet" [Ernst Udet German Glider Research Institute]

*DVL*: Deutsche Versuchsanstalt für Luftfahrt E.V. [German Aviation Research Institute]

*FB*: Forschungsbericht [Research Report]

*FKFS*: Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren Stuttgart [Research Institute of Automotive Engineering and Vehicle Engines Stuttgart]

*GDV*: Gasdynamische Versuchsanstalt [Gas Dynamics Research Institute]

*HVP*: Heeres Versuchsanstalt Peenemünde [Army Experimental Institute, Peenemünde]

*KWIS*: Kaiser-Wilhelm-Institut für Strömungsforschung [Kaiser Wilhelm Institute for Flow Research]

*LFA*: Luftfahrtforschungsanstalt Hermann Göring E.V. [Hermann Göring Aviation Research Institute]

*NAA*: North American Aviation

*NavOrd*: Bureau of Ordnance, United States Navy

*NavShips*: Bureau of Ships, United States Navy

*NOL*: Naval Ordnance Laboratory, United States Navy

*ONI*: Office of Naval Intelligence, United States Navy

*RLM*: Reichs Luftfahrtministerium (Aviation Ministry)

*UM*: Untersuchungen und Mitteilungen [Investigations and Communications]

*USSTAF*: United States Strategic and Tactical Air Forces, United States Army Air Forces

*VDE*: Verband Deutscher Elektrotechniker [Association of German Electrical Engineers]

*VDM*: Vereingte Deutsche Metallwerke

*WAC*: Wright Aeronautical Corporation

*WVA*: Wasserbau-Versuchsanstalt [Hydraulics Research Institute]

*ZWB*: Zentrale für wissenschaftliches Berichtswesen der Luftfahrtforschung des  
Generalluftzeugmeisters [Central Office for Scientific Reporting of Aviation Research]

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## Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

### Subjects:

- Aerodynamics, supersonic
- Aeronautics
- Aeronautics, Military
- Airplanes -- Germany
- Airplanes -- Wings, Swept-back
- Jet propulsion
- World War, 1939-1945

### Types of Materials:

- Microfilms

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## Container Listing

|                |   |
|----------------|---|
| Reel 1, Item 1 | <p><a href="#">CGD-1 : Ground Launched Antiaircraft (Controlled), September 25, 1945</a><br/>26 Frames<br/>Author: Oberth, Hermann, 1894-1989<br/>Translator: Patek, Robert (T-2)<br/>Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)<br/>Language: English.<br/>Notes: AAF ATSC Air Document Division translation, September 25, 1945. Translated by Robert Patek from Hermann Oberth, "Die Flak-Rakete," 1945.</p>   |
| Reel 1, Item 2 | <p><a href="#">CGD-2 : Wood-Burning Jet Unit, October 1, 1945</a><br/>26 Frames<br/>Author: Oberth, Hermann, 1894-1989<br/>Translator: Wacknitz, Margaret<br/>Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)<br/>Language: English.<br/>Notes: AAF ATSC Air Documents Division (T-2) translation, October 1, 1945. Translated by Margaret Wacknitz from Hermann Oberth, "Der Holz-Strahl-Motor", March 12, 1945.</p>  |
| Reel 1, Item 3 | <p><a href="#">CGD-3 : The Design of a Long-Range Rocket, October 4, 1945</a><br/>30 Frames<br/>Author: Oberth, Hermann, 1894-1989<br/>Translator: Dreyer, Reynold (T-2)<br/>Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)<br/>Language: English.<br/>Notes: AAF ATSC Air Documents Division (T-2) translation, October 4, 1945. Translated by Reynold Dreyer from Hermann Oberth, "Projekt Einer Fern-Rakete."</p>  |
| Reel 1, Item 4 | <p><a href="#">CGD-4 : The Effect of Self-Inductance of Rolled Paper Condensers on Their Impedance, October 17, 1945</a><br/>23 Frames<br/>Author: Linder, L. (VDE)<br/>Schniedermann, J.<br/>Translator: Wilder, Emilia, Dr. (T-2)<br/>Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)<br/>Language: English.<br/>Notes: AAF ATSC Air Documents Division (T-2) translation, October 17, 1945. Translated by Dr. Emilia Wilder from L. Linder and J. Schniedermann, "Einfluss der Eigeninduktivitat von Wickelkondensatoren auf Ihren Scheinwiderstand," <i>Elektrotechnische Zeitschrift</i>, July 6, 1939, pp.793-798.</p> |

Reel 1, Item 5      [CGD-5 : Temporary Service Manual for the Jumo 004 B-1 and B-4, October 26, 1945](#)  
57 Frames  
Translator:      Vitali, Paul (T-2)  
Editor:          Bosart, Louis W., Dr. (T-2)  
Issuing body:    United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
  
Language:        English.  
Notes:          AAF ATSC Air Documents Division (T-2) translation, October 26, 1945. Translated by Paul Vitali from "Vorläufiger Entstörungsplan 109-004 B-1 und B-4 mit den wichtigsten Bedienungs und Wartungsangaben", Aeronautical School 3 temporary manual T.S.3-2035/1, March 1945.

Reel 1, Item 6      [CGD-6 : The History of the Hollow Charge Effect, December 10, 1945](#)  
35 Frames  
Publisher:        Deutschen Akademie für Luftfahrtforschung (DAL)  
Author:          Freiwald, Heinz  
Translator:        Huysler, A  
Issuing body:    United States. Army. Ordnance Department. Technical Intelligence Branch (OTIB)  
  
Language:        English.  
Notes:          Army Ordnance Technical Intelligence Branch translation OTIS No. 1148, December 10, 1945. Translated by A. Huysler from Heinz Freiwald, "Zur Geschichte der Hohlraumwirkung Bei Sprengladungen", *Schriften Deutschen Academie der Luftfahrtforschung*, Berlin, 1941.

Reel 1, Item 7      [CGD-7 : Report on Cavitation Installations for Small Cavitation Numbers, November 20, 1945](#)  
19 Frames  
Author:          Reichardt, H  
Issuing body:    Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen  
United States. Navy. Naval Technical Mission Europe  
  
Translator:        Thomsen, Anne  
Language:        English.  
Notes:          Enclosed in Naval Technical Mission Europe report 1481, "Cavitation - Installation and Reseach at Gottingen," October 1945. Translated by Anne Thomsen, November 20, 1945, from H. Reichardt, UM 6620, February 12, 1945.

Reel 1, Item 8      [CGD-8 : Cavitation Test on Henschel Bodies, October 1945](#)  
21 Frames  
Author:          Reichardt, H  
Issuing body:    Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen  
United States. Navy. Naval Technical Mission Europe  
  
Language:        English.  
Notes:          Enclosed in Naval Technical Mission Europe report 1481, "Cavitation - Installation and Reseach at Gottingen," October 1945. Translated from H. Rechardt, UM 6625, July 12, 1945.

|                 |  |
|-----------------|--|
| Reel 1, Item 9  | <p><a href="#">CGD-9 : Detection of Material Defects in Plates with a Supersonic Device, October 12, 1945</a><br/>14 Frames<br/>Issuing body: United States. Navy. Naval Technical Mission Europe<br/>Language: English.<br/>Notes: Enclosed in Naval Technical Mission Europe report 1416, October 12, 1945. Translated from "Nachwels von Werkstofftrennungen in Blechen mit dem Ultra-Schallgeraet", report on 26th Trade Commission Meeting (October 15 and 16, 1943), September 21, 1943. Original German document included.</p>  |
| Reel 1, Item 10 | <p>CGD-10 : Aircraft Design and Development Work at Huetter G.m.b.H., October 22, 1945<br/>18 Frames<br/><a href="#">Image(s): CGD-10 : Aircraft Design and Development Work at Huetter G.M.B.H.</a><br/>Author: Hütter, Wolfgang, Dipl.Ing.<br/>Issuing body: Hütter G.m.b.H. (Kirchheim-Teck, Germany)<br/>United States. Navy. Naval Technical Mission Europe<br/>Language: English.<br/>Notes: Naval Technical Mission Europe report 1506, October 22, 1945. Translated from Wolfgang Hütter dated July 21, 1945. Includes translation as Encl. (C) and original German document as Encl. (D).</p> |
| Reel 1, Item 11 | <p><a href="#">CGD-11 : Description of the "Kakadu" Proximity Fuse (German), October 10, 1945</a><br/>8 Frames<br/>Author: Cihak, Otto, Ing.<br/>Issuing body: Danubia A.G. (Vienna)<br/>United States. Navy. Naval Technical Mission Europe<br/>Language: English.<br/>Notes: Enclosure (B) to Naval Technical Mission Europe report 1665, October 10, 1945. Translated from Otto Cihak, "Beschreibung des Gerätes 'Kakadu'", Danubia A.G., Vienna.</p>   |
|                 | <p>CGD-12 : [not on microfilm]</p>   |
| Reel 1, Item 12 | <p><a href="#">CGD-13 : Investigations Concerning the Critical State, November 16, 1945</a><br/>54 Frames<br/>Translator: Groen, Henry John<br/>Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)<br/>Language: English.<br/>Notes: AAF ATSC Air Document Division translation 383 [?], November 16, 1945. Translated by John Henry Groen from "Untersuchngen über den Kritischen Zustand", <i>Zeitschrift f. physik. Chemie</i> 86 (1914) : 385-426.</p>   |
| Reel 1, Item 13 | <p><a href="#">CGD-14 : Methods for Tapping Large Amounts of Compressed Air Behind the Compressor of a Turbo-Jet Engine, November 6, 1945</a></p>  |



30 Frames  
Author: Morghen, Karl  
Issuing body: Messerschmitt AG  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator: Dreyer, Reynold (T-2)  
Editor: Kuhn, Brigitta (T-2)  
Language: English.  
Notes: AAF ATSC Air Documents Division (T-2) translation, November 6, 1945. Translated by Reynold Dreyer from Karl Morghen, "Verfahren zur Entnahme von grösseren Druckluftmengen Hinter dem Lader Eines Turbolader Strahltriebwerkes", Messerschmitt report TR 165 a/44, May 12, 1945.

Reel 1, Item 14      [CGD-15 : Present Status of Development of Blades for Units 004 and 011 and Development Trends for 003, November 20, 1945](#)  
17 Frames  
Issuing body: Bayerische Motoren Werke  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator: DeVellier, Ella H. (T-2)  
Editor: Kuhn, Brigitta (T-2)  
Language: English.  
Notes: AAF ATSC Air Documents Division (T-2) translation, November 30, 1945. Translated by Ella DeVellier from "Gegenwärtiger Stand der Schaufelentwicklung bei den Geräten 004 und 011 und Entwicklungsrichtung für 003", BMW report Dr. PI/Bi, March 8, 1945.

Reel 1, Item 15      [CGD-16 : Grounding of Airplanes as a Means of Carrying Off Static Charges, November 26, 1945](#)  
9 Frames  
Author: Schäffer  
Translator: Holm, Elsa (T-2)  
Editor: Wilder, Emilia, Dr. (T-2)  
Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Language: English.  
Notes: AAF ATSC Air Documents Division (T-2) translation, November 26, 1945. Translated by Elsa Holm from Schäffer, "Erdung von Flugzeugen zum Ableiten von Statischen Ladungen", DLF UM 1143, 1943.

Reel 1, Item 16      [CGD-17 : Technical Data on Exhaust Gas Turbosupercharger 9-2426, November 8, 1945](#)  
24 Frames  
Issuing body: Hirth-Motoren  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator: Kugel, Alfred  
Editor: Kuhn, Brigitta (T-2)  
Language: English.

Notes: AAF ATSC Air Documents Division (T-2) translation, November 8, 1945. Translated by Alfred Kuhn from *Technische Unterlagen zum Abgas-Turbolader 9-2426*, Hirth-Motoren report, Ausgabe 1, Aug. 1944.

Reel 1, Item 17

[CGD-18 : Six Component Measurements for Three Swept-back Wings With and Without Fuselage, November 8, 1945](#)

6 Frames

Author: Scholhemeier

Issuing body: Luftfahrtforschungsanstalt. Hermann Göring Institut für Aerodynamik (LFA)  
Goodyear Aircraft Corp

Translator: Medvedeff, N. S. (Goodyear Aircraft)

Language: English.

Notes: Goodyear Aircraft Corp report R-30-18, Part 6, November 8, 1945. Translated by N. S. Medvedeff from Scholhemeier, "Sechskomponentenmessungennan drei Pfeilflugeln mit und ohne Rumpf."

Reel 1, Item 18

[CGD-19 : Swept-back Wings at High Velocities \(Preliminary Results\), November 12, 1945](#)

13 Frames

Author: Ludwig, H. (AVA Göttingen)

Issuing body: Aerodynamische Versuchsanstalt Göttingen E.V.  
Goodyear Aircraft Corp

Translator: Medvedeff, N. S. (Goodyear Aircraft)

Language: English.

Notes: Goodyear Aircraft Corp report R-30-18, Part 7, November 12, 1945. Translated by N. S. Medvedeff from N, Ludwieg, "Pfeilfluge bei hohen Geschwindigkeiten - Vorläufiges Ergebnis", AVA report.

Reel 1, Item 19

[CGD-20 : Stratospheric Research - A Report of the Chairman of the Committee of Stratospheric Research for the Operating Years 1938/1939 to 1940/1941, December 10, 1945](#)

11 Pages

Author: Georgii, Walter

Issuing body: Deutschen Akademie für Luftfahrtforschung (DAL)  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Translator: Lieberman, Julius, Dr

Editor: Bosart, Louis W., Dr. (T-2)

Language: English.

Notes: AAF ATSC Air Documents Division (T-2) translation, December 10, 1945. Translated by Dr. Julius Lieberman from Walter Georgii, "Stratosphärenforschung Bericht des Obmanns des Ausschusses für Stratosphärenforschung über die Arbeitsjahre 1938/1939 bis 1940/1941", *Jahrbuch der Deutschen Akademie der Luftfahrtforschung 1940/1941*, pp.390-395.

Reel 1, Item 20

[CGD-21 : He 111 H-6 Airplane Handbook \(as of December 1942\), Part 0 : General Data - Issued June 1943, November 19, 1945](#)

64 Frames

Issuing body: Germany (Third Reich). Luftwaffe  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator: DeVellier, Ella H. (T-2)  
Editor: Kuhn, Brigitta (T-2)  
Language: English.  
Notes: AAF ATSC Air Document Division (T-2) translation, November 19, 1945. Translated by Ella DeVellier from *He 111 H-6 Flugzeug-Handbuch*, Teil 0 - *Allgemeine Angaben*, D.(Luft) T.2111 H-6 Teil 0, December 1942, issue date June 1943.

Reel 1, Item 21

[CGD-22 : Summary of the Theory and Construction of a Rational Gas Turbine, July 31, 1945](#)

41 Pages

Issuing body: Aerodynamische Versuchsanstalt Göttingen. Institute for Thermodynamics  
United States. Army Air Forces. United States Strategic and Tactical Air Forces (USSTAF). Air Documents Research Center (ADRC)  
Author: Ritz, Ludolf  
Language: English.  
Notes: ADRC (USSTAF) translation, July 31, 1945. Translated from Ludolf Ritz, June 12, 1945.

Reel 1, Item 22

[CGD-23 : Institute for Instrument Development \(Kemper\) and Department for Measuring Instruments \(Betz-Klein\), July 19, 1945](#)

5 Frames

Issuing body: Aerodynamische Versuchsanstalt Göttingen. Institute for the Development of Instruments  
Aerodynamische Versuchsanstalt Göttingen. Department for Measuring Instruments  
United States. Army Air Forces. United States Strategic and Tactical Air Forces (USSTAF). Air Documents Research Center (ADRC)  
Notes: ADRC (USSTAF) translation, July 19, 1943.

Reel 1, Item 23

[CGD-24 : Introduction to the Basic Principles of Extinguishing Fires in Engines and Gasoline Tanks During Flight - also - Temporary Directives for the Installation of Fire Extinguishing Apparatus, July 19, 1945](#)

26 Frames

Issuing body: Junkers (Junkers Flugzeug Werke AG)  
United States. Army Air Forces. United States Strategic and Tactical Air Forces (USSTAF). Air Documents Research Center (ADRC)  
Language: English.  
Notes: ADRC (USSTAF) translation, January 25, 1945. Translated from Junkers Aircraft and Motor Works A.G. directives.

CGD-25 : [not on microfilm]

Reel 1, Item 24

[CGD-26 : Regulation and Control of Turbo-Jet and Gas Turbine Propeller Engines, November 1945](#)

34 Frames

Issuing body: Kienzle Apparate A.G.  
United States Navy. Bureau of Aeronautics. Aeronautical  
Engine Laboratory [AEL]  
Translator: Jaeckel, H  
Adam, A. C.  
Schach, P. (AEL)  
Editor: Russ, D. G.  
Language: English.  
Notes: AEL Translation No. 1, November 1945. Based on Kienzle  
Apparat A.G. Report presented at EUR [Entwicklungs-  
Untergruppe Regulierung] Conference of July 21, 1944 in  
Donaueschingen.

Reel 1, Item 25 CGD-27 : Investigations (of Rudder Oscillations) of the Original Rudder Unit of  
the Ju290/V 1 in the 8 m. Ø Wind Tunnel of the Hermann Goering Institute for  
Aeronautics, Brunswick., October 12, 1945  
32 Frames  
[Image\(s\): CGD-27 : Investigations \(of Rudder Oscillations\) of the Original  
Rudder Unit of the Ju290/V 1 in the 8 m. Ø Wind Tunnel of the Hermann  
Goering Institute for Aeronautics, Brunswick.](#)  
Author: Liebe, Dr.  
Issuing body: Luftfahrtforschungsanstalt. Hermann Göring Institut für  
Aerodynamik (LFA)  
United States. Army Air Forces. Air Materiel Command. Air  
Documents Division (T-2)  
Translator: David, Felix, Dr.  
Language: English.  
Notes: AAF ATSC Air Documents Division (T-2) translation, October  
12, 1945. Translated by Dr. Felix David from Dr. Liebe.

Reel 1, Item 26 [CGD-28 : Me 163 B Airplane Manual, Part 6 - Power Plant - Description, Part  
7 - Power Plant Control and Maintenance, November 29, 1945](#)  
26 Frames  
Issuing body: Germany (Third Reich). Luftwaffe  
United States. Army Air Forces. Air Materiel Command. Air  
Documents Division (T-2)  
Translator: DeVellier, Ella H. (T-2)  
Language: English.  
Notes: AAF ATSC Air Documents Division (T-2) translation, November  
29, 1945. Translated by Ella DeVellier from *Me 163 B  
Flugzeug-Handbuch, Teil 6: Triebwerkanlage, und Teil 7:  
Triebwerkbedien- und versorgungsnalge*, D.(Luft) T. 2163 B,  
June 1944, issued September 1944.

Reel 1, Item 27 [CGD-29 : Operation and Maintenance Manual for the VDM Controllable Pitch  
Propeller, December 7, 1945](#)  
31 Frames  
Issuing body: Vereinigte Deutsche Metallwerke (VDM)  
United States. Army Air Forces. Air Materiel Command. Air  
Documents Division (T-2)  
Translator: Wacknitz, Margaret  
Editor: Wilder, Emilia, Dr. (T-2)  
Language: English.

Notes: AAF ATSC Air Documents Division (T-2) translation, December 7, 1945. Translated by Margaret Wacknitz from "Bedienungs- und Wertungsvorschrift für die VDM-Verstellluftschraube", VDM report, 1938.

Reel 1, Item 28

[CGD-30 : Report on Research and Experiments on the High-Speed Parachute, December 14, 1945](#)

10 Frames

Issuing body: Japan. Navy. Naval Air Unit  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Translator: Taketa, Kazuto, Cpl.

Language: English.

Notes: AAF ATSC Air Documents Division (T-2) translation, December 14, 1945. Translated by Cpl. Kazuto Taketa from correspondence of (Japanese) Aircraft Technical Building #2, Naval Air Unit, October 31, 1945.

Reel 1, Item 29

[CGD-31 : Report of the Chief of the Laboratory Group of the Institute for Stratosphere Research, December 11, 1945](#)

11 Frames

Issuing body: Deutschen Akademie für Luftfahrtforschung (DAL)  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Translator: Brav, Max, Dr.

Editor: Bosart, Louis W., Dr. (T-2)

Language: English.

Notes: AAF ATSC Air Documents Division (T-2) translation, December 11, 1945. Translated by Dr. Max Brav from "Stratosphärenforschung Bericht des Obmanns der Arbeitsgruppe für Stratosphärenforschung", *Jahrbuch der Deutschen Akademie der Luftfahrtforschung II*, 1941/1942, pp.642-648.

CGD-32 : [not on microfilm]

Reel 1, Item 30

[CGD-33 : Survey of Special Engine Development in Germany, December 1945](#)

10 Frames

Author: Schelp, Helmut, Dipl.Ing.

Issuing body: Germany (Third Reich). Reichsluftfahrtministerium (RLM)  
United States Navy. Bureau of Aeronautics. Aeronautical Engine Laboratory [AEL]

Translator: Martin, A. W. (AEL)

Editor: Russ, D. G.

Language: English.

Notes: AEL Translation No. 2, December 1945. Translated by Ensign A. W. Martin from report by Dipl.Ing. Helmut Schelp, May 25, 1945.

Reel 1, Item 31

[CGD-34 : A Swept-back Wing at High Speeds, October 3, 1945](#)

15 Frames

Author: Multhopp, Hans

Issuing body: Focke-Wulf G.m.b.H.  
Goodyear Aircraft Corp  
Translator: Medvedeff, N. S. (Goodyear Aircraft)  
Language: English.  
Notes: Goodyear Aircraft Corp report R-30-18, Part 1, October 3, 1945.  
Translated by N. S. Medvedeff from Multhopp, "Der Pfeilflügel  
bei hohen Fluggeschwindigkeiten", Focke-Wulf Flugzeugbau  
GmbH report 07005, no date.

Reel 1, Item 32      [CGD-35 : Swept-back, Truncated Swept-back, and M-Shaped Wings, September 10, 1945](#)  
25 Frames  
Author: Lemme  
Issuing body: Aerodynamische Versuchsanstalt Göttingen E.V.  
Goodyear Aircraft Corp  
Translator: Medvedeff, N. S. (Goodyear Aircraft)  
Language: English.  
Notes: Goodyear Aircraft Corp. report R-30-18, Part 2, September  
10, 1945. Translated by N. S. Medvedeff from Lemme,  
"Untersuchungen an einem Pfeilflügel, einem Abgestumpften  
Pfeilflügel und einem M-Flügel", DLF report 1739/1, February  
6, 1943.

CGD-36 through CGD-65 : [roll 2 missing from collection]

Reel 3, Item 1      [CGD-66 : Letters and Memoranda on Jet Fuels, File date 31 Jan 1946](#)  
151 Frames  
Issuing body: Leung-Werke AG  
United States. Army Air Forces. Air Materiel Command. Air  
Documents Division (T-2)  
Language: English.  
Notes: AAF ATSC Air Documents Division translation. Translated by  
various ADD staff from Leung-Werke letters and memoranda,  
1942-1944.

Reel 3, Item 2      [CGD-67 : Description of Construction No.272 - Single-engine Jet Fighter with Rocket Unit, December 17, 1945](#)  
31 Frames  
Issuing body: Focke-Wulf G.m.b.H.  
United States. Army Air Forces. Air Materiel Command. Air  
Documents Division (T-2)  
Translator: DeVellier, Ella H. (T-2)  
Editor: Alexander, F. C., Lt.  
Language: English.  
Notes: AAF ATSC Air Documents Division translation, December 17,  
1945. Translated by Ella DeVellier from "Baubeschreibung  
Nr.272 Einmotorigen TL-Jäger mit R-Gerät," Focke-Wulf  
Flugzeugbau report, February 1, 1944.

Reel 3, Item 3      [CGD-68 : Description and Operating Instructions for the Aerial Survey Camera 75 cm, 30 x 30 \(Rb. 75/30\) - FI 38 016, December 6, 1945](#)  
23 Frames  
Issuing body: Germany (Third Reich). Reichsluftfahrtministerium (RLM)

United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator: Metzger, Henry (T-2)  
Editor: Hausknecht, Ludwik, Dr. (T-2)  
Language: English.  
Notes: AAF ATSC Air Documents Division translation, December 6, 1945. Translated by Henry Metzger from "Beschreibung und Bedienungsanweisung für den Reihenbildungner 75 cm 30 x 30 FI 38 016", D.(Luft)T. 5100/3, November 1940.

Reel 3, Item 4

[CGD-69 : Navitrainer - A Training Device Used in Navigation Instruction, December 12, 1945](#)

9 Frames

Translator: Berger, E., Pvt. (T-2)  
Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Language: English.  
Notes: AAF ATSC Air Documents Division translation, December 12, 1945. Translated by E. Berger from "Navitrainer, Ein Lehrgerät für den Navigationsunterricht", No.1273, August 1945.

Reel 3, Item 5

[CGD-70 : Description and Operating Instructions for the Aerial Survey Camera 50 cm, 30 x 30 \(Rb. 50/30\) FI 38 012, December 6, 1945](#)

26 Frames

Issuing body: Germany (Third Reich). Reichsluftfahrtministerium (RLM)  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator: Metzger, Henry (T-2)  
Editor: Hausknecht, Ludwik, Dr. (T-2)  
Language: English.  
Notes: AAF ATSC Air Documents Division translation, December 6, 1945. Translated by Henry Metzger from "Beschreibung und Bedienungsanweisung für den Reihenbildner 50 cm, 30 x 30, FI 38 012", D.(Luft)T.5100/2, November 1940.

Reel 3, Item 6

[CGD-71 : Lift-Increase Produced by Blowing a Wing of a Profile Thickness of 9%, Equipped with a Slot and a Slotted Flap, Translated November 19, 1945, Report dated December 3, 1945](#)

22 Frames

Author: Schwier, W. (AVA Göttingen)  
Issuing body: Aerodynamische Versuchsanstalt Göttingen E.V.  
Goodyear Aircraft Corp  
Translator: Medvedeff, N. S. (Goodyear Aircraft)  
Language: English.  
Notes: Goodyear Aircraft Corp report GER-207 / R-30-18, part 9, December 3, 1945. Translated by N. S. Medvedeff, November 19, 1945, from W. Schwier, "Ausblasversuche zur Austri[illegible] an einen Flügel von 9% Dicke mit Vorflügel und Klapp".

Reel 3, Item 7

[CGD-72 : Experiments in the Reduction of the Drag of an Airfoil at a High Mach-Number by Sucking Off the Separated Boundary Layer Behind the Area of Variable Density](#)



15 Frames  
Author: Regenscheit, B. (AVA Göttingen)  
Issuing body: Aerodynamische Versuchsanstalt Göttingen. Institut  
Windkanäle  
United Aircraft Corporation  
Language: English.  
Notes: United Aircraft Corp translation from B. Regenscheit, AVA  
Göttingen, Intitut Windkanäle report 41/14/23, July 1, 1941.

Reel 3, Item 8

[CGD-73 : Wind Tunnel Measurements of the Henschel Projectile  
"Zitterrochen" at Subsonic and Supersonic Velocities](#)

25 Frames  
Author: Weber, E. (AVA Göttingen)  
Kehl, A. (AVA Göttingen)  
Issuing body: Aerodynamische Versuchsanstalt Göttingen E.V.  
United Aircraft Corporation  
Language: English.  
Notes: United Aircraft Corp [?] translation. Translated from E. Weber  
and A. Kehl, "Windkanalmessungen am Henschel-Geraet  
"Zitterrochen" bei Unter- und Ueberschallgeschwindigkeiten,"  
Göttingen report; DLF UM 5122.

Reel 3, Item 9

[CGD-74 : Drag Reduction by Suction of the Boundary Layer Separated  
Behind Shock Wave Formation at High Mach Numbers, December 16, 1945](#)

12 Frames  
Author: Regenscheit, B. (AVA Göttingen)  
Issuing body: Aerodynamische Versuchsanstalt Göttingen. Institut  
Windkanäle  
Goodyear Aircraft Corp  
Translator: Medvedeff, N. S. (Goodyear Aircraft)  
Language: English.  
Notes: Goodyear Aircraft Corp report GER-208 / R-30-18, part 11,  
December 16, 1945. Translated by N. S. Medvedeff from  
Regenscheit, "Wersuchs zur Widerstandsverringarung eines  
Flugels bei hoher Machscier - Zahl durch Abswugung der hinter  
dem Gebeit unstetiger Verdichtung abgelosten Grenrecht.",  
AVA Göttingen Institut Windkanäle report 41/14/23, July 1,  
1941.

Reel 3, Item 10

[CGD-75 : Aerodynamic and Structural Design Considerations for Wings  
Having a High Degree of Sweep, January 17, 1946](#)

28 Frames  
Author: Gropler, Hans (Junkers)  
Issuing body: Junkers (Junkers Flugzeug Werke AG)  
Chance Vought Aircraft  
Translator: Fesenmeyer, R. H. (Chance Vought Aircraft)  
Kybal, D. (Chance Vought Aircraft)  
LaValler, S. O.  
Sandgren, F. B.  
Navoy, H.  
Laud, C. A.  
Language: English.



Notes: Change Vought Aircraft translation GTR No. 9, January 17, 1946. Translated by R. H. Fesenmeyer, et al, from Hans Gropler report for Junkers Aircraft ("original probably on Nav Tech Mis Eu TR 433-45 Microfilm").

Reel 3, Item 11

[CGD-76 : Pressure Distribution Measurement on the A 4 / V 1 P at Supersonic Speed](#)

39 Frames

Author: Erdmann (HVP)

Issuing body: Germany (Third Reich). Heereswaffenamt. Heeres Versuchsanstalt Peenemünde (HVP)  
United States. Army Air Forces. United States Strategic and Tactical Air Forces (USSTAF). Air Documents Research Center (ADRC)

Language: English.

Notes: ADRC Translation from Erdmann, "Vorläufiger Bericht Druckverteilungs Messungen an A4/V1P bei Überschallgeschwindigkeit", Peenemünde Archiv 66/64 G.Kdos, January 1, 1942.

Reel 3, Item 12

[CGD-77 : TL-Fighter with He S 011 Engine - Design and Production Study](#)

63 Frames

Issuing body: Focke-Wulf G.m.b.H.  
Bell Aircraft Corporation

Language: English.

Notes: Bell Aerodynamics Department translation from Focke-Wulf Aircraft report.

Reel 3, Item 13

[CGD-78 : The Arrow Head Wing at High Flight Velocity, June 25, 1946](#)

22 Frames

Author: Multhopp, Hans

Issuing body: Focke-Wulf G.m.b.H.  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Translator: Gumbel, H. (Republic Aviation)

Language: English.

Notes: AAF ADRC Air Documents Division (T-2) translation F-TS-411-RE, June 25, 1946. Translated by H. Gumbel, Republic Aviation, from Hans Multhopp, "Der Pfeilflugel bei Hohen Fluggeschwindigkeiten", Focke-Wulf report 07005, July 10, 1941.

Reel 3, Item 14

[CGD-79 : Pressure Recovery for Missiles with Reaction Propulsion at High Supersonic Speeds \(The Efficiency of Shock Diffusers\), October 1945 \(Curtiss-Wright translation\), February 8, 1946 \(McDonnell translation\)](#)

112 Frames

Author: Oswalitsch, Kl.

Issuing body: Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen  
Curtiss-Wright Corporation  
McDonnell Aircraft Corporation

Translator: Letsof, Jack (Curtiss-Wright)  
Luippold, Robert (Curtiss-Wright)  
Hurmann, F. K. (McDonnell)

Buyard, P. A. (McDonnell)  
Language: English.  
Notes: Two translations of Kl. Oswalitsch, Kaiser-Wilhelm-Institut für Strömungsforschung report 1005, January 1944.

- Curtiss-Wright Corporation report, October 1945. Translated by Jack Letsof and Robert Luippold.
- McDonnell Aircraft Corp report GT-18, February 8, 1946. Translated by F. K. Hurmann and P. A. Buyard.

Reel 3, Item 15 [CGD-80 : Aerodynamic Forces and Flow Phenomena of Driven Missiles, November 1, 1945](#)  
56 Frames  
Author: Oswalitsch, Kl.  
Böhm, H.  
Issuing body: Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen  
Curtiss-Wright Corporation  
Translator: Beil, W. J. (Curtiss-Wright)  
Language: English.  
Notes: Curtiss-Wright Corp report, November 6, 1945. Translated by W. J. Beil, November 1, 1945, from Kl. Oswalitsch and H. Böhm, Kaiser-Wilhelm-Institut für Strömungsvorschung report 1010/1, August 1944.

Reel 3, Item 16 [CGD-81 : Air Forces and Flow Phenomena on Self Propelled Missiles, October 1945 \(Curtiss-Wright translation\), February 14, 1946 \(Douglas translation\)](#)  
38 Frames  
Author: Oswalitsch, Kl.  
Böhm, H.  
Issuing body: Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen  
Curtiss-Wright Corporation  
Douglas Aircraft Company  
Translator: Luippold, Robert (Curtiss-Wright)  
Massarik, Fred (Douglas Aircraft)  
Language: English.  
Notes: Two documents translated from Oswalitsch and Böhm, Kaiser-Wilhelm-Institut für Strömungsforschung report 1010/2, October 1944.

- Curtiss-Wright Corp report, October 1945. Translated by Robert C. Luippold.
- Douglas Aircraft Corp report, February 14, 1946. Translated by Fred Massarik.

Reel 3, Item 17 [CGD-82 : Aerodynamic Rules for the Design of Jet Propulsion Nacelles, November 20, 1945 \(Curtiss-Wright translation\), February 19, 1946 \(McDonnell translation\)](#)  
87 Frames  
Author: Schulz, G. (Heinkel)  
Issuing body: Heinkel (Aircraft manufacturer)  
Curtiss-Wright Corporation  
McDonnell Aircraft Corporation  
Translator: Nemerever, W. J. (Curtiss-Wright)

|           |  |
|-----------|--|
| Language: | Grummann, H. R. (McDonnell)<br>English.  |
| Notes:    | Two translations of G. Schulz, Heinkel report, DLF UM 8203, August 7, 1944. <ul style="list-style-type: none"><li>• Curtiss-Wright Corp report 21141, November 20, 1945. Translated by W. J. Nemerever.</li><li>• McDonnell Aircraft Corp report GT-25, February 19, 1946. Translated by H. R. Grummann.</li></ul> |

Reel 3, Item 18

[CGD-83 : Pressure Distribution Measurement on Arrow Wings of Constant Chord in Symmetrical Airflow, November 26, 1945 \(Curtiss-Wright translation\), February 8, 1946 \(McDonnell translation\)](#)

46 Frames

Author: Jacobs, W. (LFA Braunschweig)

Issuing body: Luftfahrtforschungsanstalt Hermann Göring E.V. - Braunschweig  
Curtiss-Wright Corporation

Translator: McDonnell Aircraft Corporation  
Nemerever, W. J. (Curtiss-Wright)  
Hurmann, F. K. (McDonnell)  
Buyard, P. A. (McDonnell)

Language: English.

Notes: Two translation of W. Jacobs, "Druckverteilungsmessungen on Pfeilflügeln konstanter Tiefe bei symetrischer Anströmung," DLF UM 2052, December 1943.

- Curtiss-Wright Corp report 21143, November 26, 1945. Translated by W. J. Nemerever.
- McDonnell Aircraft Corp report GT-2, February 8, 1946. Translated by F. K. Hurmann and P. A. Buyard.

Reel 3, Item 19

[CGD-84 : Swept Wings at High Speeds, January 7, 1946.](#)

22 Frames

Author: Busemann, Adolf

Issuing body: Lilienthal-Gesellschaft  
North American Aviation, Inc.

Translator: Koch, Walter L. (NAA)

Language: English.

Notes: North American Aviation report NA-46-42, January 7, 1946. Translated by Walter L. Koch from A. Buseman, "Pfeilfluegel bei Hohen Geschwindigkeiten", lecture given at a session on "Flying Wings" in Berlin, April 14, 1943, Lilienthal-Gesellschaft report 164.

Reel 3, Item 20

[CGD-85 : Evaluation of Density Fields Around Airfoils in Wind Tunnels by Means of Optical Interference, November 21, 1945](#)

33 Frames

Author: Groth (AVA Göttingen)

Issuing body: Aerodynamische Versuchsanstalt Göttingen E.V.  
North American Aviation, Inc.

Translator: Monroe, W. R. (NAA)

Language: English.

Notes: North American Aviation report NA-8776, November 21, 1945. Translated by W. R. Monroe from Groth, "Über die Auswertung der nach dem Interferenverfahren gemessenen Dichtefeldes an Umstromten Körpern", DLF FB 1336, on Roll 211 of microfilmed documents from AVA Göttingen.

Reel 3, Item 21      [CGD-86 : Evaluation of Density Fields at High Subsonic Velocities by Means of Optical Interference Measurements, May 13, 1946, Released June 2, 1946](#)  
16 Frames  
Author: Groth (AVA Göttingen)  
Issuing body: Aerodynamische Versuchsanstalt Göttingen E.V.  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator: Monroe, W. R. (NAA)  
Language: English.  
Notes: AAF ADRC Air Document Division (T-2) translation F-TS-608-RE, May 13, 1946. Translated by W. R. Monroe, North American Aviation, from Groth "Zur Ausfertigung des durch Interferenmessung erhaltenen Dichtefeldes bei hohen Unterschallgeschwindigkeiten", DLF UM 2059, on Roll 211 of microfilmed documents from AVA Göttingen.

Reel 3, Item 22      [CGD-87 : Six Component Data with Various Wing Fuselage Combinations](#)  
4 Frames  
Issuing body: Douglas Aircraft Company  
Language: English.  
Notes: Douglas Aircraft translation of DLF FB 1318/3.

Reel 3, Item 23      [CGD-88 : Systematic Six Component Measurement of Wing-Fuselage Arrangements with Sweptback Wings of Constant Chord](#)  
3 Frames  
Issuing body: Douglas Aircraft Company  
Language: English.  
Notes: Douglas Aircraft translation of DLF FB 1318/4.

Reel 3, Item 24      [CGD-89 : Six Component Data with Various Wing Fuselage Combinations](#)  
3 Frames  
Author: Moller, E.  
Issuing body: Douglas Aircraft Company  
Language: English.  
Notes: Douglas Aircraft translation of From E. Moller, DLF FB 1318/5

Reel 3, Item 25      [CGD-90 : Force Measurements and Pressure Distribution Measurements on a Rectangular Wing with Slotted Droop Nose, Trailing-edge Flap, and Split Flap or with Roll Flap](#)  
11 Frames  
Issuing body: Douglas Aircraft Company  
Language: English.  
Notes: Douglas Aircraft translation of DLF FB 1676/2.

CGD-91 : [not on microfilm]

Reel 3, Item 26      [CGD-92 : Preliminary Results of the Wind Tunnel Development of Control Surfaces with Tabs for the Control of the Wasserfall Device, November 30, 1945](#)  
13 Frames  
Author:            Wegener, Dr. (WVA)  
Issuing body:    Wasserbau-Versuchsanstalt (WVA)  
                     Douglas Aircraft Company  
Translator:      Massarik, Fred (Douglas Aircraft)  
Language:        English.  
Notes:            Douglas Aircraft translation, November 30, 1945. Translated by Fred Massarik from Wegener, WVA report 66/153, October 31, 1944.

Reel 3, Item 27      [CGD-93 : Ceiling of the Helicopter](#)  
22 Frames  
Author:            Sissingh, Gerhard (AVA Göttingen)  
Issuing body:    Aerodynamische Versuchsanstalt Göttingen E.V.  
                     United Aircraft Corporation  
Language:        English.  
Notes:            United Aircraft Corporation translation from Sissingh, LFA UM 3068, December 15, 1943.

Reel 3, Item 28      [CGD-94 : Cowling Rings with Cavitation Contour, November 20, 1945](#)  
20 Frames  
Author:            Reichardt, H  
Issuing body:    Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen  
                     Douglas Aircraft Company  
Translator:      Thomsen, Anne  
Language:        English.  
Notes:            Douglas Aircraft translation, November 20, 1945. Translated by Anne Thomsen from H. Reichardt, KWMIS report, December 12, 1944.

Reel 3, Item 29      [CGD-95 : Wing Component Measurements on Four Trapezoidal Wings with Sweepback., January 11, 1946 \(North American translation\), September 14, 1945 \(Bell translation\)](#)  
57 Frames  
Author:            Jacobs, W. (LFA Braunschweig)  
Issuing body:    Luftfahrtforschungsanstalt Hermann Göring E.V. -  
                     Braunschweig  
                     North American Aviation, Inc.  
                     Bell Aircraft Corporation  
Translator:      Koch, Walter L. (NAA)  
                     Skappel, Henry C. (Bell Aircraft)  
Language:        English.  
Notes:            Two translations of W. Jacobs, "Sechskonntenmessungen an vier Trapezfügeln mit Pheilstelluns", LFA UM 2069, March 1944.  

- North American report NA-46-23, January 11, 1946. Translated by Walter L. Koch.
- Bell Aircraft Corp report P31-11, September 17, 1945. Translated by "H. C. S." [Henry C. Skappel].

Reel 4, Item 1      [CGD-96 : Flight Experiences and Measurements on Two Airplanes with Boundary Layer Control, December 14, 1945](#)  
10 Frames  
Author:            Stueper  
Translator:        Fesenmeyer, R. H. (Chance Vought Aircraft)  
Editor:            Kybal, D. (Chance Vought Aircraft)  
Issuing body:     Chance Vought Aircraft  
Language:         English.  
Notes:            Change Vought Aircraft report GTR-5, December 14, 1945. Partial translation by R. H. Fesenmeyer from Stueper, DLF FB 1821, July 1, 1943; Reel 205.

Reel 4, Item 2      [CGD-97 : Correction Factors for Wind Tunnel \(Special Cases\), January 11, 1946](#)  
9 Frames  
Author:            Fourné  
Translator:        Fesenmeyer, R. H. (Chance Vought Aircraft)  
Editor:            Ringham, R. F. (Chance Vought Aircraft)  
                      Kybal, D. (Chance Vought Aircraft)  
Issuing body:     Chance Vought Aircraft  
Language:         English.  
Notes:            Chance Vought Aircraft report GTR-6, January 11, 1946. Partial translation by R. H. Fesenmeyer from Fourné, DLF FB 1652, July 1942, Reel 149.

Reel 4, Item 3      [CGD-98 : Suggestions for the Application of the Favorable Swept-back Wing Results to Propellers Operating at High Velocities, January 3, 1946](#)  
3 Frames  
Author:            Quick (German propellers)  
Translator:        Fesenmeyer, R. H. (Chance Vought Aircraft)  
Editor:            Kybal, D. (Chance Vought Aircraft)  
Issuing body:     Chance Vought Aircraft  
Language:         English.  
Notes:            Chance Vought Aircraft report GTR-7, January 3, 1946. Translated by R. H. Fesenmeyer from Quick, discussion note following lecture by Heinrich Helmbold, "Several Results of Industrial Research Concerning Aerodynamics", 1942; Reel G-11-A.

Reel 4, Item 4      [CGD-99 : Optimum Slat Position, January 16, 1946](#)  
5 Frames  
Author:            Braun (Messerschmitt)  
Issuing body:     Messerschmitt AG  
                      Chance Vought Aircraft  
Translator:        Fesenmeyer, R. H. (Chance Vought Aircraft)  
Editor:            Ringham, R. F. (Chance Vought Aircraft)  
Language:         English.  
Notes:            Chance Vought Aircraft report GTR-8, January 16, 1946. Translated by R. H. Fesenmeyer from Braun, Messerschmitt report T.B.34/41, January 1942; Reel 221.

Reel 4, Item 5      [CGD-100 : High Velocity Measurements on a Sweptback Wing \( \$\zeta = 35^\circ\$ \), November 1, 1945](#)  
6 Frames  
Author:            Göthert, B.  
Translator:       Fesenmeyer, R. H. (Chance Vought Aircraft)  
Editor:            Kybal, D. (Chance Vought Aircraft)  
Issuing body:    Chance Vought Aircraft  
Language:        English.  
Notes:            Chance Vought Aircraft report GTR-2, November 1, 1945. Partial translation by R. H. Fesenmeyer from Göthert, DLF FB 1813 Part I, Reel G-13.

Reel 4, Item 6      [CGD-101 : Systems of Beam Guiding](#)  
33 Frames  
Dubious author:    Braun, G., Dr. (LFA)  
  
                          Kerris (LFA)  
                          Thiel (LFA)  
Issuing body:     Luftfahrtforschungsanstalt Hermann Göring E.V. - Braunschweig  
                          United States. Army. Army Air Forces. Scientific Advisory Group  
Translator:        Dryden, Hugh L. (Hugh Latimer), Dr., 1898-1965  
Language:        English.  
Notes:            AAF Scientific Advisory Group translation by Hugh L. Dryden from manuscript discovered in the office of Dr. G. Braun at the LFA Hermann Göring Braunschweig. Original author unknown, "probably Braun, Kerris, or Thiel."

Reel 4, Item 7      [CGD-102 : Three and Six Component Measurements of a Model of the Me 328 with Sweptback Wings, January 25, 1946](#)  
8 Frames  
Author:            Hildenbrand  
                          Lemme  
Issuing body:     Messerschmitt AG  
                          Ryan Aeronautical Company  
Translator:        Vandermeer, Will (Ryan Aeronautical)  
Language:        English.  
Notes:            Ryan Aeronautical Co report, January 25, 1946. Translated by Will Vandermeer from Hildenbrand and Lemme, "Drei- und Sechskomponentenmessungen an einem Modell der Me 328 mit Pfeilflügel," DLF UM 3014.

Reel 4, Item 8      [CGD-103 : The Characteristics of a Stationary Flame at Low Pressure, January 14, 1946](#)  
13 Frames  
Author:            Wolfhard, Von H. G. (Braunschweig)  
Translator:        Vandermeer, Will (Ryan Aeronautical)  
Issuing body:    Ryan Aeronautical Company  
Language:        English.

Notes: Ryan Aeronautical Co report, January 14, 1946. Translated by Will Vandermeer from Von H. G. Wolfhard, "Die Eigenschaften stationärer Flammen im Unterdruck" (preprint).

Reel 4, Item 9

[CGD-104 : Investigation of a One-Tube Firing Chamber Under Different Operating Conditions in the DVL Test Stand, December 7, 1945 \(Part I\), December 10, 1945 \(Part II\)](#)

8 Frames

Issuing body: Deutsche Versuchsanstalt für Luftfahrt E. V.. Institut für motorische Arbeitsverfahren und Thermodynamik (DVL)  
Ryan Aeronautical Company

Translator: Littlefield, Maxine (Ryan Aeronautical)

Language: English.

Notes: Two reports:

- (Part I) Ryan Aeronautical Co report, December 7, 1945. Translated by Maxine Littlefield from "Untersuchung einer Einrohrbrennkammer unter Verschiedenen Betriebsbedingungen auf dem DVL-Hohenprufstand," DVL Institut für motorische Arbeitsverfahren und Thermodynamik report, DLF UM 1350/1.
- (Part II) Ryan Aeronautical Co report, December 10, 1945. Translated by Maxine Littlefield from "Untersuchung einer Einrohrbrennkammer unter Verschiedenen Betriebsbedingungen auf dem DVL-Hohenprufstand," DVL Institut für motorische Arbeitsverfahren und Thermodynamik report, DLF UM 1350/2.

Reel 4, Item 10

[CGD-105 : Catapult Seat With Gunpowder Propulsion, November 22, 1945](#)

8 Frames

Author: Heinecke (Messerschmitt)

Issuing body: Messerschmitt AG  
Ryan Aeronautical Company

Translator: Vandermeer, Will (Ryan Aeronautical)

Language: English.

Notes: Ryan Aeronautical Co report, November 22, 1945. Translated by Will Vandermeer from Heinecke, "Katapultsitz mit Pulve Antrieb," Messerschmitt AG technical report TB 87/43.

Reel 4, Item 11

[CGD-106 : Wake and Drag Investigations on Wings With and Without Sweep, March 1946 \(Bell translation\), December 6, 1945 \(Ryan translation\)](#)

44 Frames

Author: Luetgebrune, H.

Issuing body: Technische Hochschule Hannover. Institut für Aeromechanik und Flutechnik  
Bell Aircraft Corporation  
Ryan Aeronautical Company

Translator: Skappel, Henry C. (Bell Aircraft)  
Vandermeer, Will (Ryan Aeronautical)

Language: English.

Notes: Two documents translated from H. Luetgebrune, "Nachlauf- und Widerstandsuntersuchungen an gepfeilten und



ungepfeilten Tragflügeln," DLF FB 1672; ZWB classification P 31 11.

- Bell Aircraft Corp report, March 1946. Translated by Henry C Skappel.
- Ryan Aeronautical Co report 2334, December 6, 1945. Translated by Will Vandermeer.

Reel 4, Item 12

[CGD-107 : Fundamentally New Means of Increasing the Performance of High Speed Aircraft, October 1945](#)

98 Frames

Author: Zobel, Theo

Translator: Skappel, Henry C. (Bell Aircraft)

Issuing body: Bell Aircraft Corporation

Language: English.

Notes: Bell Aircraft Corp report BE-96, October 1945. Translated by H. C. Skappel from Theo Zobel, "Grundsätzlich neue Wege zur Leistungssteigerung von Schnellflugzeugen," lecture given to the first scientific session of accredited mementer, March 13, 1944; published by The German Academy of Aviation Research, Vol.1079/44g.

Reel 4, Item 13

[CGD-108 : The Magnitude of Boundary Layer Temperatures, Heat Transfer Coefficients and Skin Temperatures of Vertically and Obliquely Launched A4 Missiles and of the A4b Glider, November 1945](#)

21 Frames

Author: Kraus, Dr. (WVA)  
Herrmann, B. (WVA)

Issuing body: Wasserbau-Versuchsanstalt (WVA)  
Bell Aircraft Corporation

Translator: Skappel, Henry C. (Bell Aircraft)

Language: English.

Notes: Bell Aircraft Corp report, November 1945. Translated by H. C. Skappel from Dr. Kraus and B. Herrmann, "Diskussion der bei schrägem und senkrechten Schuss des A4, sowie bei der Gleiterbahn des A4b auftretenden Werte der Grenzschichttemperatur, Wärmeübergangszahl und Haupttemperatur," WVA, February 25, 1945.

Reel 4, Item 14

[CGD-109 : High Speed Measurements on a Swept-Back Wing \(Sweep Back Angle  \$\Lambda=35^\circ\$ \), August 1, 1945](#)

58 Frames

Author: Göthert, B.

Issuing body: Bell Aircraft Corporation

Language: English.

Notes: Bell Aircraft Corp report, August 1, 1945. Free rendering of author's material (not literal translation) by Aeronautics Dept. from B. Göthert, DLF FB 1813.

Reel 4, Item 15

[CGD-110 : Theory of the Airplane Wing in Compressible Media](#)

16 Frames

Author: Prandtl, L.

Issuing body: Douglas Aircraft Company

|                 |  |
|-----------------|--|
|                 | Language: English.<br>Notes: Douglas Aircraft Co translation [2 copies] from L. Prandtl, <i>Luftfahrtforschung</i> 12, No.10, October 12, 1936.  |
| Reel 4, Item 16 | <a href="#">CGD-111 : Aerodynamic Lift at Supersonic Speeds</a><br>34 Frames<br>Author: Busemann, Adolf<br>Issuing body: Douglas Aircraft Company<br>Language: English.<br>Notes: Douglas Aircraft Co translation [2 copies] from A. Buseman, <i>Luftfahrtforschung</i> 12, pp.210-220, 1935.  |
| Reel 4, Item 17 | <a href="#">CGD-112 : The Design of Lorin-Propulsion Units, February 1946 (Bell translation)</a><br>73 Frames<br>Author: Pabat, Otto, Dr.<br>Issuing body: Focke-Wulf G.m.b.H.<br>Gasdynamische Versuchsanstalt (GDV)<br>Douglas Aircraft Company<br>Bell Aircraft Corporation<br>Translator: Skappel, Henry C. (Bell Aircraft)<br>Language: English.<br>Notes: Two documents translated from Dr. Otto Pabst, "Die Auslegung von Lorin-Triebwerken," Focke-Wulf report 09041 / GDV report 41. <ul style="list-style-type: none"><li>• Douglas Aircraft Co translation, "The Design of Lorin-Propulsion Units."</li><li>• Bell Aircraft Corp report, "Preliminary Design of Ram Jets," February 1946. Translated by Henry C. Skappel.</li></ul> |
| Reel 4, Item 18 | <a href="#">CGD-113 : Systematic Burner Experiments with Illuminating Gas</a><br>11 Frames<br>Author: Pabat, Otto, Dr.<br>Issuing body: Focke-Wulf G.m.b.H.<br>Douglas Aircraft Company<br>Language: English.<br>Notes: Douglas Aircraft Co translation from O. Pabst, Focke-Wulf report 09015, 1942.  |
| Reel 4, Item 19 | <a href="#">CGD-114 : Infinitesimal Conical Supersonic Flow</a><br>23 Frames<br>Author: Busemann, Adolf<br>Issuing body: Douglas Aircraft Company<br>Language: English.<br>Notes: Douglas Aircraft Co translation from Adolf Busemann, <i>Yearbook of the German Academy for Aeronautical Research</i> , 1943, Vol.7B, No.3, pp.105-122.   |
| Reel 4, Item 20 | <a href="#">CGD-115 : Wind Tunnel Tests to Find the Influence of Speed and Center of Gravity on the Controllability of C2/E2 of the Project "Wasserfall", February 8, 1946</a><br>11 Frames  |

Author: Wegener, Dr. (WVA)  
Issuing body: Wasserbau-Versuchsanstalt (WVA)  
Boeing Airplane Company  
Translator: Schoemen, Hermann  
Language: English.  
Notes: Boeing Aircraft Co report, February 8, 1946. Translated by Hermann Schoenen from Dr. Wegener, W.V.A. report 66/133, December 20, 1943 (Part I) and W.V.A. report 66/143, March 3, 1944 (Part II).

Reel 4, Item 21

[CGD-116 : Rolling Moment Measurements on a Model A4V1P, Equipped with Aerodynamic Roll Controls, February 11, 1946](#)

5 Frames

Author: Lehnert, Dr. (WVA)  
Issuing body: Wasserbau-Versuchsanstalt (WVA)  
Boeing Airplane Company  
Translator: Schoemen, Hermann  
Language: English.  
Notes: Boeing Aircraft Co report, February 11, 1946. Translated by Hermann Schoemen from Dr. Lehnert, W.V.A. report 66/63, January 7, 1942.

CGD-117 : [not on microfilm]

Reel 4, Item 22

[CGD-118 : Measurements of Pressure Distribution on Yawed Airfoils](#)

12 Frames

Author: Koch, G. (Lilienthal Gesellschaft)  
Issuing body: Lilienthal-Gesellschaft  
Bell Aircraft Corporation  
Language: English.  
Notes: Bell Aircraft Corp report BE-63. Free rendering of the material (not a literal translation) by the Aeronautics Dept, from G. Koch, Lilienthal-Gesellschaft report 156.

Reel 4, Item 23

[CGD-119 : Aerodynamic Design of the Flak Rocket "Wasserfall", May 1946 \(General Electric translation\), January 1946 \(Bell translation\)](#)

97 Frames

Author: Kurzweg, Dr. (WVA)  
Issuing body: Wasserbau-Versuchsanstalt (WVA)  
Bell Aircraft Corporation  
General Electric Company  
Translator: Skappel, Henry C. (Bell Aircraft)  
Fox, A. H., Dr. (General Electric, Project Hermes)  
Language: English.  
Notes: Two reports translated from Dr. Kurzweg, "Die Aerodynamische Entwicklung der Flakrakete Wasserfall," WVA report, March 15, 1945. Archiv 66/171.

- General Electric (Hermes Project) report 71378, May 1946, for U. S. Army Ordnance. Translated by Dr. A. H. Fox.
- Bell Aircraft Corp report, January 1946. Translated by H. C. Skappel.

Reel 4, Item 24      [CGD-120 : The Effect of Swept-back Control Surfaces Upon Drag and C. P. Location of a Fin-stabilized Long Projectile at Supersonic Velocities, October 1945](#)  
27 Frames  
Author:            Ludwig, H. (AVA Göttingen)  
                      Weber, E. (AVA Göttingen)  
Issuing body:    Aerodynamische Versuchsanstalt Göttingen. Institut für  
                      Hochgeschwindigkeitsfragen [Institute for High Speed  
                      Research]  
                      Bell Aircraft Corporation  
Translator:      Skappel, Henry C. (Bell Aircraft)  
Language:        English.  
Notes:            Bell Aircraft Corp report, October 1945. Translated  
                      by H. C. Skappel from H. Ludwig and E. Weber,  
                      "Einfluss der Leitwerkpfeilung auf den Widerstand und die  
                      Druckpunktlage eines Flügelstabilisierten Langgeschosses bei  
                      Überschallgeschwindigkeiten," AVA Göttingen Institute für  
                      Hochgeschwindigkeitsfragen report; DLF UM 3146.

Reel 4, Item 25      [CGD-121 : Proposal Specifications for a Research Airplane for the Investigation of Aerodynamic Phenomena in the Transsonic and Supersonic Range, November 27, 1945](#)  
43 Frames  
Issuing body:    Deutsche Forschungsanstalt für Segelflug "Ernst Udet"  
                      Bell Aircraft Corporation  
Translator:      Skappel, Henry C. (Bell Aircraft)  
Language:        English.  
Notes:            Bell Aircraft Corp report, November 27, 1945. Translated  
                      by H. C. Skappel from "Entwurf eines Versuchsflugzeuges  
                      zur Untersuchung der flugmechanischen Vorgänge beim  
                      Durchgang durch  $M = 1$ ," DFS "Ernst Udet" Institut für  
                      Flugzeugbau report DFS 346 (HS-8).

Reel 4, Item 26      [CGD-122 : Problems of High Altitude Flight - Lecture Held During the First Scientific Session of the Regular Members, 28 October 1937, Session period 1937/38, January 15, 1946](#)  
40 Frames  
[Image\(s\): CGD-122 : Problems of High Altitude Flight - Lecture Held During the First Scientific Session of the Regular Members, 28 October 1937](#)  
Author:            Hansen, Asmus  
Translator:      Leibiger, Irma (T-2)  
Editor:            Bosart, Louis W., Dr. (T-2)  
Issuing body:    United States. Army Air Forces. Air Materiel Command. Air  
                      Documents Division (T-2)  
Language:        English.  
Notes:            AAF ATSC Air Documents Division translation, January 15,  
                      1946. Translated by Irma Leibiger from Asmus Hansen,  
                      "Probleme des Hohenflug," *Schriften der deutschen Akademie  
                      der Luftfahrtforschung* 29.

Reel 4, Item 27      [CGD-123 : The Aerodynamic Coefficients of Free Lateral Motion - First Partial Report : Calculation of Coefficients](#)  
92 Frames

Author: Pinsker, W (DVL)  
Issuing body: Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]. Instituts für  
Gasdynamik  
McDonnell Aircraft Corporation  
Translator: Grumann, H. R. (McDonnell)  
Language: English.  
Notes: McDonnell Aircraft Engineering Dept report GT-10. Translated  
by H. R. Grumann from W. Pinsker, DVL report, UM 1144-1.

Reel 4, Item 28 CGD-124 : The Lift Distribution of Swept-back Wings, January 25, 1946  
52 Frames  
[Image\(s\): CGD-124 : The Lift Distribution of Swept-back Wings \(Interim Report\)](#)  
Author: Weissinger, J. (DVL)  
Issuing body: Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]  
North American Aviation, Inc.  
Translator: Koch, Walter L. (NAA)  
Language: English.  
Notes: North American Aviation report NA-46-87, January 25, 1946.  
Translated by Walter L. Koch from J. Weissinger, "Ueber die  
Auftriebsverteilung von Pfeiluegeln," DVL report, February 27,  
1942; DLF FB 1553, ZWB P31 11.

Reel 4, Item 29 [CGD-125 : Concerning the Flow Over the Covering of Annular Shapes](#)  
36 Frames  
Author: Weber, J. (AVA Göttingen)  
Küchemann, D. (AVA Göttingen)  
Translator: Grumann, H. R. (McDonnell)  
Issuing body: McDonnell Aircraft Corporation  
Language: English.  
Notes: McDonnell Aircraft Engineering Dept report GT-15.. Translated  
by H. R. Grumann from Küchemann and Weber, DLF FB  
1236/5.

Reel 4, Item 30 CGD-126 : The Aerodynamic Coefficients of Free Lateral Motion - Second  
Partial Report : Charts and Tables  
56 Frames  
[Image\(s\): CGD-126 : The Aerodynamic Coefficients of Free Lateral Motion \(Second Partial Report\)](#)  
Author: Pinsker, W (DVL)  
Issuing body: Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]  
McDonnell Aircraft Corporation  
Translator: Grumann, H. R. (McDonnell)  
Language: English.  
Notes: McDonnell Aircraft Engineering Dept report GT-11. Translated  
by H. R. Grumann from W. Pinsker, DLF UM 1144/2 (Reel  
#49).

Reel 4, Item 31 [CGD-127 : Cavitation Model for Determining Boundary Surfaces of Constant  
Pressure of Axially Symmetrical Nacelles for Jet Propulsion Units, February 8,  
1946](#)  
33 Frames  
Author: Reichardt, H

Issuing body: Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen  
McDonnell Aircraft Corporation  
Translator: Grumann, H. R. (McDonnell)  
Buyard, P. A. (McDonnell)  
Language: English.  
Notes: McDonnell Aircraft Engineering Dept report GT-17, February 8,  
1946. Translated by H. R. Grumann and P. A. Buyard from H.  
Reinhardt, DLF UM 6606.

Reel 4, Item 32

[CGD-128 : Contributions to Sweepback Research, February 19, 1946](#)  
72 Frames  
Author: Luetgebrune, H.  
Issuing body: Technische Hochschule Hannover. Institut für Aeromechanik  
und Flutechnik  
McDonnell Aircraft Corporation  
Translator: Grumann, H. R. (McDonnell)  
Buyard, P. A. (McDonnell)  
Language: English.  
Notes: McDonnell Aircraft Engineering Dept. report GT-21, February  
19, 1946. Translated by H. R. Gruman and P. A. Buyard from  
H. Luetgebrune, DLF FB 1458.

Reel 4, Item 33

[CGD-129 : The Performance Values of Lorin \(Ram Jet\) Engines with Full  
Ramming of Air, February 8, 1946 \(McDonnell translation\), February 11, 1946  
\(T-2 translation\)](#)  
22 Frames  
Author: Pabat, Otto, Dr.  
Issuing body: Focke-Wulf G.m.b.H.  
McDonnell Aircraft Corporation  
United States. Army Air Forces. Air Materiel Command. Air  
Documents Division (T-2)  
Translator: Grumann, H. R. (McDonnell)  
Buyard, P. A. (McDonnell)  
Charlins, Arnold (T-2)  
Editor: Patek, Robert (T-2)  
Language: English.  
Notes: Two documents translated from Pabst, "Die Leistungsgrösse  
von Lorin-Motoren mit vollständigem Luftaufstau," Focke-Wulf  
report 09040.

- McDonnell Aircraft Engineering Dept report GT-20,  
February 8, 1946. Translated by H. R. Grumann and P.  
A. Buyard.
- AAF translation F-TS514-RE, prepared February 11,  
1946; released April 22, 1946. Translated by Arnold  
Charlins.

Reel 4, Item 34

[CGD-130 : On the Flow Around Ring-shaped Cowling - Part III : Thin Ring  
Profiles, February 8, 1946](#)  
64 Frames  
[Image\(s\): CGD-130 : On the Flow Around Ring-shaped Cowling - German  
Aeronautical Research , Part III - Thin Ring Profiles](#)  
Author: Küchemann, D. (AVA Göttingen)  
Weber, J. (AVA Göttingen)

Issuing body: Aerodynamische Versuchsanstalt Göttingen E.V.  
McDonnell Aircraft Corporation  
Translator: Grumann, H. R. (McDonnell)  
Buyard, P. A. (McDonnell)  
Language: English.  
Notes: McDonnell Aircraft Engineering Dept report GT-19, February 8,  
1946. Translated by H. R. Grumann and P. A. Buyard from  
Küchemann and Weber, DLF FB 1236/3.

CGD-131 through CGD-161 [roll 5 missing from collection]

Reel 6, Item 1 CGD-162 : Schmidding Documents Captured in Cologne, Chapter IV : Patents  
- Fuels - Explosives  
204 Frames  
[Image\(s\): CGD-162 : Schmidding Documents Captured in Cologne - Chapter  
IV - Patents - Fuels - Explosives](#)  
Language: English.  
Notes: Unattributed translation.

CGD-163 : [not on microfilm]

Reel 6, Item 2 [CGD-164 : Swept Back Wings at High Velocities](#)  
58 Frames  
Author: Ludwig, H. (AVA Göttingen)  
Issuing body: Aerodynamische Versuchsanstalt Göttingen E.V.  
Bell Aircraft Corporation  
Language: English.  
Notes: Bell Aircraft Corp report. Free rendering of material (not a  
literal translation) by the Aeronautics Dept. from H. Ludwig,  
Göttingen.

Reel 6, Item 3 [CGD-165 : Investigation of Aileron Effectiveness of a Sweptback Wing and a  
"Blunted" Sweptback Wing, April 3, 1946](#)  
7 Frames  
Issuing body: Aerodynamische Versuchsanstalt Göttingen E.V.  
Douglas Aircraft Company  
Translator: Massarik, Fred (Douglas Aircraft)  
Language: English.  
Notes: Douglas Aircraft Co report, April 3, 1946. Translated by Fred  
Massarik from AVA report 44/W/38.

Reel 6, Item 4 [CGD-166 : Boundary Layers with Symmetrical Airflow About Bodies of  
Revolution, March 6, 1946](#)  
44 Frames  
Author: Mangler, W. (AVA Göttingen)  
Medvedeff, N. S. (Goodyear Aircraft)  
Issuing body: Aerodynamische Versuchsanstalt Göttingen E.V.  
Goodyear Aircraft Corp  
Language: English.  
Notes: Goodyear Aircraft Corp report GER-290, March 6, 1946  
(Ref. No. R-30-18, Part 20). Translated by N. S. Medvedeff

from W. Mangler, "Grenzschichten an Rotationskorpern bei Symmetrischer Anblasung," AVA Gottingen, report 45-A-17.

Reel 6, Item 5      [CGD-167 : Fundamental Aerodynamic Investigations for Development of Arrow-Stabilized Projectiles, March 22, 1946](#)  
32 Frames  
Issuing body:    Deutschen Akademie für Luftfahrtforschung (DAL)  
Goodyear Aircraft Corp  
Translator:      Liepman, H. P. (Goodyear Aircraft)  
Language:        English.  
Notes:            Goodyear Aircraft Corp report GER-296, March 22, 1946 (ref. no. R-30-18 Part 22). Translated by H. P. Liepman from "Die grundsatzlichen aerodynamischen Untersuchungen zur Entwicklung pfeilstabiler Geschosse," DAL report 1059/43, February 4, 1943, pp.33-71.

Reel 6, Item 6      [CGD-168 : Report on Three-component Tests on the Glider Models A4 V12/a & A4 V12/c, March 6, 1946](#)  
61 Frames  
Author:            Lehnert, Dr. (WVA)  
Raffel (WVA)  
Issuing body:    Wasserbau-Versuchsanstalt (WVA)  
Goodyear Aircraft Corp  
Translator:      Pikler, H. (Goodyear Aircraft)  
Language:        English.  
Notes:            Goodyear Aircraft Corp report GER-300, March 6, 1946 (ref. no. R-30-18 Part 24). Translated by H. Pikler from Dr. Lehnert, "Bericht ueber Dreikomponentenmessungen mit den Gleitermodellen A4 V12/a und A4 V12/c," Peenemuende report 66/34, November 27, 1940, and Raffel, "Summary of Data and Results of Report 66/108", March 11, 1943.

Reel 6, Item 7      [CGD-169 : Proposals for All-Weather and Night-Fighters, March 6, 1946](#)  
22 Frames  
Author:            Wolff, H. (Focke-Wulf)  
Issuing body:    Focke-Wulf G.m.b.H.  
Goodyear Aircraft Corp  
Translator:      Liepman, H. P. (Goodyear Aircraft)  
Language:        English.  
Notes:            Goodyear Aircraft Corp report GER-299, March 6, 1946 (ref. no. R-30-18 Part 25). Translated by H. P. Liepman from H. Wolff, "Entwurfe fuer Schlechtwetter- und Nachtjaeger," Focke-Wulf Airplane Co, March 22, 1945.

Reel 6, Item 8      [CGD-170 : Pressure Distribution Measurements Over a Cross-section of an Air Intake Located Near the Leading Edge at the Wing Root, March 6, 1946](#)  
8 Frames  
Author:            Hartwig (Focke-Wulf)  
Issuing body:    Focke-Wulf G.m.b.H.  
Goodyear Aircraft Corp  
Translator:      Pikler, H. (Goodyear Aircraft)  
Language:        English.



Notes: Goodyear Aircraft Corp report GER-301, March 6, 1946 (ref. no. R-30-18 Part 26). Translated by H. Pikler from Hartwig, "Gesamtdruckmessungen Ueber dem Querschnitt Eines Rumpfnahen Fluegelnaseneinlaufs," Focke-Wulf Aerodynamic Institute, Bremen, July 7, 1944.

Reel 6, Item 9

[CGD-171 : Physiological Basis for the Construction and Use of Stratosphere Airplanes, January 16, 1946](#)

37 Frames

Author: Bensigner, Theodor

Issuing body: Deutschen Akademie für Luftfahrtforschung (DAL)  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Translator: Lieberman, Julius, Dr

Editor: Bosart, Louis W., Dr. (T-2)

Language: English.

Notes: AAF Air Documents Division translation (sample only), January 16, 1946. Translated by Dr. Julius Lieberman from Theodor Bensigner, "Physiologische Grundlagen für Bau und Einsatz von Stratosphärenflugzeugen, *Schriften der deutschen Akademie der Luftfahrtforschung* 7, 1943, 2:29-56.

Reel 6, Item 10

CGD-172 : A4 Description of Apparatus - Construction Series A - Situation as of October 1943

120 Frames

[Image\(s\): CGD-172 : A4 Description of Apparatus - Construction Series A - Situations of October 1943](#)

Issuing body: General Electric Company

Language: English.

Notes: General Electric translation.

CGD-173 : [not on microfilm]

Reel 6, Item 11

[CGD-174 : One-Man Rubber Air/Sea Raft No. FL 410,201 - Maintenance and Operation Folder, December 11, 1944](#)

8 Frames

Issuing body: Germany (Third Reich). Luftwaffe  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Translator: Sjostrom, Vers (T-2)

Language: English.

Notes: AAF Engineering Division translation 390 (file number D52.39/791), December 11, 1944. Translated by Vers Sjostrom from German manual, February 1943.

Reel 6, Item 12

[CGD-175 : Instructions for Installing and Operating Bomb Rack 5 C 50 Model "MAGA Vc", February 2, 1945](#)

12 Frames

Issuing body: Germany (Third Reich). Luftwaffe  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Translator: Plaga, Gerhardt H. (T-2)

Language: English.

Notes: AAF Engineering Division translation 395 (file number D72.33/241), February 2, 1945. Translated by Gerhardt H. Plaga from German Air Force regulation 174.

Reel 6, Item 13

[CGD-176 : Procedures for Determining the Frictional Torque on Gyroscopes, January 9, 1946](#)

42 Frames

Author: Magnus, K.

Translator: Desper, Ralph, Dr. (T-2)

Editor: Wilder, Emilia, Dr. (T-2)

Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Language: English.

Notes: AAF Air Documents Division (T-2) translation 466, January 9, 1946. Translated by Dr. Ralph Desper from K. Magnus, "Verfahren zur Bestimmung der Reibungsmomente an Kreiseln," DLF FB 1050.

Reel 6, Item 14

[CGD-177 : Damping Gyro 127-239, with Casing for Damping Gyro 127-329, September 12, 1945](#)

10 Frames

Issuing body: Germany (Third Reich). Luftwaffe  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Translator: Wilder, Emilia, Dr. (T-2)

Language: English.

Notes: AAF Engineering Division translation 405 (file number D13.3 Gyroscopes/16), September 12, 1945. Translated by Emilia Wilder.

Reel 6, Item 15

[CGD-178 : Provisional Testing and Maintenance Instructions for "Lotfe" Bombsights - FI 62854, February 17, 1945](#)

9 Frames

Issuing body: Germany (Third Reich). Luftwaffe  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Translator: Plaga, Gerhardt H. (T-2)

Language: English.

Notes: AAF Engineering Division translation 392.5 (D72.32/261), February 17, 1945. Translated by Gerhardt H. Plaga from German manual, November 1940.

Reel 6, Item 16

[CGD-179 : Amount of Energy Required for De-Icing Equipment, 4 January 1946](#)

19 Frames

Author: Ritz (Ice Accretion experimental group (Germany))  
Henfrich (Ice Accretion experimental group (Germany))

Editor: Aerodynamische Versuchsanstalt Göttingen E.V.

Translator: Tribus, Myron (T-2)

Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Language: English.

Notes: AAF Air Documents Division (T-2) translation 461, January 4, 1946. Translated by Capt. Myron Tribus from Ritz and Henfrich, "Energiebedarf für Enteisungsanlagen," Report 4 of the Experimental Group "Ice Accretion", DLF FB 1786, March 25, 1943.

Reel 6, Item 17 [CGD-180 : Ballistic Test and Measuring Equipment of the Hermann Goering Institute of Aeronautical Research, September 11, 1945](#)  
52 Frames  
Author: Schüssler, Karl  
Translator: Heberle, Jürgen (T-2)  
Editor: Bosart, Louis W., Dr. (T-2)  
Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Language: English.  
Notes: AAF Engineering Division translation 404 (file number A70/83), September 11, 1945. Translated by Jürgen Heberle from Karl Schüssler, Braunschweig.

Reel 6, Item 18 [CGD-181 : FW 190/BMW 801 Pursuit Airplane, September 19, 1945](#)  
13 Frames  
Translator: Dreyer, Reynold (T-2)  
Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Language: English.  
Notes: AAF Air Documents Division (T-2) translation 406 (file number D52.1/61), September 19, 1945. Translated by Reynold Dreyer.

Reel 6, Item 19 [CGD-182 : Observations on the Influence of Various Degrees of Rolling and the Hot Rolling, Intermediate Annealing and Heat Treating Temperatures on the Stress Corrosion Resistance of Sheets According to Aircraft Material Specification 3425, October 1945](#)  
23 Frames  
Author: Bungardt (DVL)  
Schmittberger (DVL)  
Issuing body: Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]. Institut für Werkstoffforschung  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator: Kapteina, Eleanor  
Notes: AAF Air Documents Division (T-2) translation 453 (file number D10.13/743), October 1945. Translated by Eleanor Kapteina from microfilm of Bungardt and Schmittberger, report from the DVL Material Testing Laboratory, DLF UM 1249.

Reel 6, Item 20 [CGD-183 : Conference on Ceramic Materials for Jet Propulsion Apparatus, August 1, 1945](#)  
4 Frames  
Issuing body: Daimler-Benz  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
United States. Navy. Bureau of Aeronautics [BuAer]  
Translator: Urbach, Kurt (T-2)

Language: English.  
Notes: AAF Engineering Division translation, August 1, 1945, issued by Bureau of Aeronautics. Translated by Cpl. Kurt Urbach (AAF T-2) from Daimler-Benz Development Division Inter-office record of conference of November 29/30, 1944.

Reel 6, Item 21      [CGD-184 : Facts Established Through Meteorological Research of the Stratosphere, January 14, 1946](#)  
35 Frames  
Author: Weickmann, Ludwig  
Translator: Brav, Max, Dr.  
Editor: Bosart, Louis W., Dr. (T-2)  
Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Language: English.  
Notes: AAF Air Documents Division (T-2) translation 465, January 11, 1946. Translated by Dr. Max Brav from Ludwig Weickmann, "Die meteorologischen Beobachtungstatsachen der Stratosphäre," *Schriften de deutschen Akademie der Luftfahrtforschung* 1940, pp.51-83.

Reel 6, Item 22      [CGD-185 : Heating of the Useful Load Head of the A-4 During Flight, Original German document dated October 15, 1941](#)  
7 Frames  
Author: Kurzweg, Dr. (WVA)  
Eber (WVA)  
Herrmann, B. (WVA)  
Issuing body: Wasserbau-Versuchsanstalt (WVA)  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Language: English.  
Notes: AAF translation 435 (file D71.11/26). Translated from Eber, Kurzweg, and Hermann, October 15, 1941, Peenemunde file no 66/53 g.kdos.

CGD-186 through CGD-225 : [roll 7 missing from collection]

Reel 8, Item 1      [CGD-226 : Research Reports of the Hydraulics Testing Laboratories, Original German document dated March 20, 1945](#)  
87 Frames  
Author: Wegener, Dr. (WVA)  
Eckert, Dipl.-Ing. (WVA)  
Issuing body: Wasserbau-Versuchsanstalt (WVA)  
Language: English.  
Notes: Unidentified translation of Wegener and Eckert, "Forschungsberichte der Wasserbau Versuchsanstalt," March 20, 1945. Original German document included.

Reel 8, Item 2      [CGD-227 : Technical Report of the Ernst Heinkel Research Company, Marienehe, 26 March 1943 \(Dealing with Development Work on Radial Turbojet Engines\), January 1946](#)  
12 Frames  
Issuing body: Heinkel (Aircraft manufacturer)

United States Navy. Bureau of Aeronautics. Aeronautical Engine Laboratory [AEL]  
Translator: Schach, P. (AEL)  
Editor: Lowry, William J., LTJG, USNR  
Language: English.  
Notes: AEL translation 3, issued January 1946. Translated by William J. Lowry.

Reel 8, Item 3

[CGD-228 : Basic Technical Data on the 109-011 Jet Engine A-0 Development Series, March 1946](#)

83 Frames

Translator: Jaeckel, H

Editor: Lowry, William J., LTJG, USNR

Issuing body: United States Navy. Bureau of Aeronautics. Aeronautical Engine Laboratory [AEL]

Language: English.

Notes: AEL translation 5, March 1945. Translated by William J. Lowry.

Reel 8, Item 4

[CGD-229 : Heinkel 109-011 Turbo-jet Engine - Report on the Strength of the Turbine Disc with Cup-Shaped Blades, April 1946](#)

8 Frames

Issuing body: Hirth-Motoren

United States Navy. Bureau of Aeronautics. Aeronautical Engine Laboratory [AEL]

Translator: Schach, P. (AEL)

Michael, W. F. (AEL)

Editor: Martin, A. W. (AEL)

Language: English.

Notes: AEL translation 6, issued April 1946. Translated by W. F. Michael and P. Schach, based on Hirth-Motoren report dated, March 20, 1944.

Reel 8, Item 5

[CGD-230 : Chemical Composition of Aircraft Materials, April 1946](#)

22 Frames

Issuing body: Hirth-Motoren

United States Navy. Bureau of Aeronautics. Aeronautical Engine Laboratory [AEL]

Translator: Michael, W. F. (AEL)

Editor: Carter, J. L., Jr. (AEL)

Language: English.

Notes: AEL translation 7, issued April 1946. Translated by W. F. Michael from Hirth-Motoren report date June 9, 1945.

Reel 8, Item 6

[CGD-231 : \[incomplete document relating to A 4 / V-2\]](#)

44 Frames

Issuing body: Goodyear Aircraft Corp

Language: English.

Notes: Goodyear Aircraft Corp report (Ref. No. R-30-18, part 23), pp.47+.

Reel 8, Item 7

[CGD-232 : The Effect of Incremental Hardness of Weld Spots Upon the Strength of Spotwelds in High-strength Steel Sheets, March 1946](#)

16 Frames

Author: Hauk, V. (DVL)  
Issuing body: Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]. Institut für  
Werkstoffforschung  
Bell Aircraft Corporation  
Translator: Skappel, Henry C. (Bell Aircraft)  
Language: English.  
Notes: Bell Aircraft Corp report, March 1946. Translated  
by H. C. Skappel from V. Hauk, "Einfluss der  
Aufhärtung im Schweisspunkt auf die Festigkeit von  
Punktschweissverbindungen aus Hochfesten Stahlblechen,  
DVL Institut für Werkstoffforschung report; DLF UM 1076; ZWB  
classification A 22 12 and J 31 25.

Reel 8, Item 8

[CGD-233 : Translation of "Report on Radio Disturbances from Jet Propulsion", October 1945](#)

13 Frames

Author: Prochazka, R. (Möonsmühl)  
Translator: Fox, A. H., Dr. (General Electric, Project Hermes)  
Issuing body: General Electric Company  
Language: English.  
Notes: Project Hermes Dept, General Electric Co data folder 71363,  
October 1945. Translated by A. H. Fox from R. Prochazka,  
Möonsmühl.

Reel 8, Item 9

[CGD-234 : Theories About Tailless Airplanes, February 14, 1946](#)

10 Frames

Translator: Charlins, Arnold (T-2)  
Editor: Patek, Robert (T-2)  
Issuing body: United States. Army Air Forces. Air Materiel Command. Air  
Documents Division (T-2)  
Language: English.  
Notes: AAF translation 516 [F-TS516-RE], February 14, 1946;  
released March 30, 1946. Translated by Arnold Charlins from  
"Theorien am Schwanzlosen Flugzeug," ADRC Roll 2037,  
frame 288.

Reel 8, Item 10

[CGD-235 : The Infrared Principle for Automatic Target Locating Devices, March 4, 1946](#)

11 Frames

Author: Kutzscher, Edgar (DAL)  
Issuing body: Deutschen Akademie für Luftfahrtforschung (DAL)  
United States. Army Air Forces. Air Materiel Command. Air  
Documents Division (T-2)  
Translator: Farmer, J. L. (T-2)  
Editor: Eberhardt, Edward  
Language: English.  
Notes: AAF translation 539 [F-TS539-RE], March 4, 1946; released  
April 22, 1946. Translated by J. L. Farmer from Edgar  
Kutzscher, "Ultrarotverfahren für Selbstzeilsuchende Geräte,"  
DAL report 1054/42.

Reel 8, Item 11

[CGD-236 : Calculations on the Stability of the Intake Fan 9-2426 103-027 12, February 27, 1946](#)

9 Frames  
Author: Girtke  
Translator: Dreyer, Reynold (T-2)  
Editor: Urbach, Kurt (T-2)  
Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Language: English.  
Notes: AAF translation 531 [F-TS531-RE], February 27, 1946; released April 22, 1946. Translated by Reynold Dreyer from Girtke, "Festigkeitsrechnung des Vorsatzläufers 9-2426 103-027 12," MKB report 394/44, May 8, 1944.

Reel 8, Item 12

[CGD-237 : The Lorin Duct as Aircraft Propelling Force / Duct Engine \(Athodyd\) Fighter, February 19, 1946](#)

22 Frames  
Issuing body: Focke-Wulf G.m.b.H.  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator: Pellieux, Edmond C. (T-2)  
Editor: Kuhn, Brigitta (T-2)  
Language: English.  
Notes: AAF translation 523 [F-TS523-RE], February 19, 1946; released March 30, 1946. Translated by Edmond C. Pellieux from "Lorin-Rohr als Flugzeugantrieb," Focke Wulf report, and "Baubeschreibung Nr. 283 - Strahlrohrjäger," Focke Wulf report 26a, July 27, 1945.

Reel 8, Item 13

[CGD-238 : Comparisons of the 8-229 and the Go P-60 All-Wing Airplanes, February 21, 1946](#)

14 Frames  
Author: Nauber (Gotha)  
Issuing body: Gothaer Waggonfabrik A.G.  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator: Schmerler, Julius (T-2)  
Editor: Patek, Robert (T-2)  
Language: English.  
Notes: AAF translation 525[F-TS525-RE], February 21, 1946; released April 22, 1946. Translated by Julius Schmerler from Nauber, "Gegenüberstellung 8-229 / Go P-60," Gothaer Waggonfabrik report, January 27, 1945.

Reel 8, Item 14

[CGD-239 : Description of the Project P 01-114 Under Construction, March 4, 1946](#)

17 Frames  
Issuing body: Messerschmitt AG  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator: Patek, Robert (T-2)  
Language: English.  
Notes: AAF translation 540 [F-TS540-RE], March 4, 1946; released April 22, 1946. Translated by Dr. Robert Patek from



"Projektbaubeschreibung P 01-114," Messerschmitt report,  
August 1940; ADRC roll 2013, frame 427.

CGD-240 : [not on microfilm]

Reel 8, Item 15      [CGD-241 : Further Results of Measurements on a 35° Sweptback Wing in Wind Tunnel at Chalais-Meudon, April 15, 1946](#)  
109 Frames  
Author:            Sahliger (OFA)  
Issuing body:    Oberbayerische Forschungsanstalt (OFA)  
                         Convair (Consolidated Vultee Aircraft Corp)  
Translator:      Lowry, J. (Convair)  
Language:        English.  
Notes:            Consolidated-Vultee Aircraft Corp report GT-38, April 15, 1946. Translated by J. W. Lowry from Sahliger, DLF UM 7852; Includes print from Roll 33, AVA Gottingen: Sahliger, "Weiters Ergebnisse von Messungen an einem 35° gefeilteten Flugel im Windkanal von Chalais-Meudon," Oberbayerische Forschungsanstalt Oberammergau technical report TB.136/44, November 5, 1944. DLF UM 7852; ZWB classification P 31 11.

Reel 8, Item 16      [CGD-242 : Wind Tunnel Tests of a 45° Sweptback Tapered Wing with Nose Flaps, May 3, 1946](#)  
5 Frames  
Author:            Krüger  
Translator:       Amstalden, J. N. (Curtiss-Wright)  
Issuing body:    Curtiss-Wright Corporation  
Language:        English.  
Notes:            Curtiss-Wright Corp report 21228, May 3, 1946. Translated by J. N. Amstalden from Krüger.

Reel 8, Item 17      [CGD-243 : Increasing the Lift of a Swept-back Wing, February 20, 1946](#)  
26 Frames  
Author:            Brennecke  
Translator:       Dembo, A.  
Issuing body:    Curtiss-Wright Corporation  
Language:        English.  
Notes:            Curtiss-Wright Corp report 21172, February 20, 1946. Translated by A. Dembo from Brennecke, DLF FB 1876.

Reel 8, Item 18      [CGD-244 : A Wide-band Receiver of High Sensitivity for Measurement of Interference Voltages at 50 cm Wave Lengths, January 23, 1946](#)  
16 Frames  
Author:            Becker (German avionics)  
                         Schulze-Schwanebrügge (German avionics)  
Translator:       Holm, Elsa (T-2)  
Editor:            Wilder, Emilia, Dr. (T-2)  
Issuing body:    United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Language:        English.  
Notes:            AAF translation 501 [F-TS501-RE], January 23, 1946; released April 22, 1946. Translated by Elsa Holm from Becker and Schulze-Schwanebrügge, "Über einen



Empfänger hoher Empfindlichkeit und Grosser Bandbreite für Störspannungsmessungen bei 50 cm Wellenlänge," DLF UM 549, September 8, 1938.

Reel 8, Item 19      [CGD-245 : Description of the ME 163 B-0 Construction, January 31, 1946](#)  
48 Frames  
Issuing body:      Messerschmitt AG  
                          United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator:        DeVellier, Ella H. (T-2)  
Editor:             Kuhn, Brigitta (T-2)  
Language:         English.  
Notes:             AAF translation 502 [F-TS502-RE], January 31, 1946; released March 30, 1946. Translated by Ella H. DeVellier from "Baubeschreibung Me 163 B-0," Messerschmitt report DSS/Kr/Tr reg. nr. 283, August 1943.

Reel 8, Item 20      [CGD-246 : Air and Mass Forces on Helicopter Propellers with Inclined Hinge, February 1, 1946](#)  
13 Frames  
Author:             Sissingh, Gerhard (AVA Göttingen)  
Issuing body:      Aerodynamische Versuchsanstalt Göttingen E.V.  
                          United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator:        Spiegelman, Regina (T-2)  
Editor:             Wilder, Emilia, Dr. (T-2)  
Language:         English.  
Notes:             AAF translation 510, February 1, 1946; released March 30, 1946. Translated by Regina Spiegelman from Gerhard Sissingh, "Luft und Massenkrafte bei Steilschrauben mit Schranäggenlenk," AVA report, January 19, 1944.

Reel 8, Item 21      [CGD-247 : Light-metal Neral Radiators, February 15, 1946](#)  
8 Frames  
Issuing body:      Technischen Hochschule Aachen. Aerodynamisches Institut  
                          United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator:        Spiegelman, Regina (T-2)  
Editor:             Wilder, Emilia, Dr. (T-2)  
Language:         English.  
Notes:             AAF translation 520 [F-TS520-RE], prepared February 18, 1946; released April 22, 1946. Translated by Regina Spiegelman from "Leichtmetallkühler nach dem Neralverfahren," Aerodynamisches Institut der Technischen Hochschule Aachen report, July 8, 1943.

Reel 8, Item 22      [CGD-248 : Instructions for the Use and Maintenance of the Stratoscope-recording Camera, February 19, 1946](#)  
13 Frames  
Issuing body:      Zeiss-Aerotopograph G.m.b.H. (Jena)  
                          United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator:        Metzger, Henry (T-2)

Editor: Hausknecht, Ludwik, Dr. (T-2)  
Notes: AAF translation 522 [F-TS522-RE], prepared February 19, 1946; released March 30, 1946. Translated by Henry Metzger from "Beschreibung für Gebrauch und Instandhaltung der Statokop-Registrierkammer," Zeiss-Aerotopograph GmbH report M 167 d, January 10, 1941.

Reel 8, Item 23

[CGD-249 : The Laval Type Bucket Base of the Turbine Disc](#)  
[109-001.150-005.13, February 25, 1946](#)

8 Frames

Author: Girntke

Translator: Dreyer, Reynold (T-2)

Editor: Urbach, Kurt (T-2)

Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Language: English.

Notes: AAF translation 530 [F-TS530-RE], prepared February 25, 1946; released march 30, 1946. Translated by Reynold Dreyer from Girntke, "Laval Fuss der Turbinenscheibe 109-011.150-005.13," MKD/BRS report, July 12, 1944.

Reel 8, Item 24

[CGD-250 : Basic Theories for Determining Angles of Attack on Bodies of Revolution by Pressure Measurements, February 18, 1946](#)

25 Frames

Author: Albring, W. (Hannover)

Translator: Leibiger, Irma (T-2)

Editor: Bosart, Louis W., Dr. (T-2)

Issuing body: United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Language: English.

Notes: AAF translation 521 [F-TS521-RE], prepared February 18, 1946; released April 22, 1946. Translated by Irma Leibiger from W. Albring, "Die Theoretischen Grundlagen für die Bahnwinkelbestimmung von Drehkörpern Mittles Druckmessungen," *Technische Berichte* 4, 1944; film NTB, Bd.11, 1944.

Reel 8, Item 25

[CGD-251 : Four Years of Flutter Research, November 23, 1945](#)

23 Frames

Author: Jordan

Issuing body: Aerodynamische Versuchsanstalt Göttingen E.V.  
United States. Navy. Office of Naval Intelligence (ONI)

Translator: Jarrick, Bluma K.

Language: English.

Notes: Office of Chief of Naval Operations, ONI Translation 779, November 23, 1945. Translated by Bluma K. Jarrick from Jordan, "4 Jahre Flatterforschung," AVA Göttingen report B45/J/10, August 2, 1945.

Reel 8, Item 26

[CGD-252 : Metallographic Examination of Resistance-welded I-sections, March 1946](#)

7 Frames

Author: Cornelius (DVL)

Issuing body: Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]. Institut für Werkstoffforschung  
Bell Aircraft Corporation  
Translator: Skappel, Henry C. (Bell Aircraft)  
Language: English.  
Notes: Bell Aircraft Corp report, March 1946. Translated by H. C. Skappel from Cornelius, "Metallographische Untersuchung von Doppel- T-Widerstandsschweissverbindungen," DVL Institut für Werkstoffforschung, DLF UM 1267; subject code J 31 5.

Reel 8, Item 27

[CGD-253 : Missile Shapes Having Least Wave Drag, May 9, 1946](#)

56 Frames

Author: Haack, W. (Karlsruhe)

Translator: Tegge, A. R. (Curtiss-Wright Corp)

Issuing body: Curtiss-Wright Corporation

Language: English.

Notes: Airplane Division, Curtiss-Wright Corp report 21232, May 9, 1946. Translated by A. R. Tegge from W. Haack, Karlsruhe.

CGD-254 : [not on microfilm]

Reel 8, Item 28

[CGD-255 : M E 163, Volume I - Service Manual and Spare Parts List](#)

89 Frames

Issuing body: United States. Navy. Bureau of Aeronautics [BuAer]

Language: English.

Notes: Translated for BuAer by the Univeristy of Michigan.

Reel 8, Item 29

[CGD-256 : M E 163, Volume II - Me 163 B Airplane Manual](#)

297 Frames

Issuing body: United States. Navy. Bureau of Aeronautics [BuAer]

Language: English.

Notes: Translated for BuAer by the University of Michigan.

CGD-257 : [not on microfilm]

Reel 8, Item 30

[CGD-258 : The Flugtechnische Fachgruppe Prien \("Akaflieg"\)](#)

15 Frames

Issuing body: Technische Hochschule Darmstadt. Flugtechnische Fachgruppe

Language: English.

Notes: Translated by Flugtechnische Fachgruppe, Technische Hochschule Darmstadt.

Reel 8, Item 31

[CGD-259 : 37th Report on Mechanics of Flight, April 1946](#)

25 Frames

Translator: Fox, A. H., Dr. (General Electric, Project Hermes)

Issuing body: General Electric Company

Language: English.

Notes: Generala Electric Co (Hermes Project) translation for U. S. Army Ordnance, April 1946. Translated by Dr. H. H. Fox.

Reel 9, Item 1

[CGD 261 : Propeller Icing and Its Prevention, February 14, 1946](#)

14 Frames  
Author: Eck, Dr.  
Issuing body: Aerodynamische Versuchsanstalt Göttingen. Institut für Kältforschung (Institute for Low Temperature Research) United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator: Tribus, Myron (T-2)  
Editor: Leibiger, Irma (T-2)  
Language: English.  
Notes: AAF translation 517 [F-TS517-RE], February 14, 1946; issued April 22, 1946. Translated by Myron Tribus from Eck, "Die Luftschraubenvereisung und Ihre Verhütung," AVA Göttingen, Institut für Kältforschung, report, October 21, 1943.

CGD 262 : [not on microfilm]

Reel 9, Item 2 [CGD 263 : Report on the Activities of the Institute for Hydro-Aviation. Status of 1 April 1944](#)  
11 Frames  
Issuing body: Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]. Institut für Seeflugwesen  
Stevens Institute of Technology  
United States. Navy. Bureau of Aeronautics [BuAer]  
Language: English.  
Notes: BuAer report, no date. Translated by Stevens Institute of Technology from "Tatigkeitsbericht Institute für Seeflugwesen - Stand 1.4.1944," Appendix to DVL report 2668.

CGD 264 : [not on microfilm]

Reel 9, Item 3 [CGD 265 : Extension of Tests with the DVL-Standard Float of Type B](#)  
160 Frames  
Author: Sottorf, W.  
Pott, W.  
Issuing body: Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]. Institut für Seeflugwesen  
Stevens Institute of Technology  
United States. Navy. Bureau of Aeronautics [BuAer]  
Language: English.  
Notes: BuAer report, no date. Translated by Stevens Institute of Technology from W. Sottorf and W. Pott, "Erweiterung der Versuche mit DVL-Einheitsschwimmer der Familie B," DVL UM 1002, June 1943.

Reel 9, Item 4 [CGD 266 : An Electrical Dynamometer for the Direct Measurement of Mechanical Power, Torque and RPM for Very High Shaft Speeds, May 1946](#)  
24 Frames  
Author: Eckert, B. (FKFS)  
Issuing body: Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren Stuttgart [FKFS]  
United States. Navy. Bureau of Ships [BuShips]  
Translator: Bechle, Erwin  
Editor: Davis, Hunt

Language: English.  
Notes: BuShips 338, May 1946. [Volume 1 of a series of articles on compressor and fan design written by German Engineers]

- B. Eckert, "An Electrical Dynamometer for the Direct Measurement of Mechanical Power, Torque and RPM for Very High Shaft Speeds," Elliott Co translation. Translated by Erwin Bechle from FKFS report 10 1276/3, October 25, 1945.

Reel 9, Item 5

[CGD 267 : A Temperature Measuring Device for the Exact Determination of the Internal Adiabatic Efficiency of a Compressor, May 1946](#)

102 Frames

Author: Eckert, B. (FKFS)  
Issuing body: Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren Stuttgart [FKFS]  
United States. Navy. Bureau of Ships [BuShips]  
Translator: Banse, Heinrich  
Editor: Davis, Hunt  
Language: English.  
Notes: BuShips 338, May 1946. [Volume 2 of a series of articles on compressor and fan design by German Engineers]

- Part A : B. Eckert, "The Instrument," Elliott Co translation. Translated by Heinrich Banse from FKFS report 10 1276/5, November 25, 1945.
- Part B : B. Eckert, "Controls and Amplifying Systems." Translated from FKFS report 10 1276/9, February 1946.

Reel 9, Item 6

[CGD 268 : The Influence of Physical Dimensions \(Such As Hub:Tip Ratio, Clearance, Blade Shape\) and Flow Conditions \(Such As Reynolds Number and Mach Number\) on Compressor Characteristics, May 1946](#)

111 Frames

Author: Eckert, B. (FKFS)  
Pflüger, F.  
Weinig, F (FKFS)  
Fickert  
Issuing body: Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren Stuttgart [FKFS]  
Wright Aeronautical Corporation  
Precision Development Company  
United States. Navy. Bureau of Ships [BuShips]  
Translator: Weekley, W. G.  
Bodmer, J. E.  
Language: English.  
Notes: BuShips 338, May 1946. [Volume 3 of a series of articles on compressor and fan design written by German Engineers]

- Part A : B. Eckert, "Summary of the Results of Research on Axial Flow Compressors at the Stuttgart Research Institute for Automobiles and Engines," WAC Engineering Translation 22. Translated by W. G. Weekley from "Überblick über Forschungsergebnisse des Forschungsinstituts für Kraftfahrwesen und Fahrzeugmotoren, Stuttgart, an Axial Durchströmten

Verdichtern," lecture given to the Lilienthal Society, November 8, 1943.

- Part B : B. Eckert, F. Pflüger, and F. Weinig, "The Influence of the Diameter Ratio on the Characteristics Diagram of the Axial Compressor, " WAC Engineering Translation 29. Translated by W. G. Weekley from "Der Einfluss des Nabenvverhältnisses auf des Kennfeld des Axialgebläses," FKFS report.
- Part C : Fickert, "The Influence of the Radial Clearance of the Rotor on the Compressor Efficiency," Precision Development Co translation. Translated by J. Bodmer.

Reel 9, Item 7

[CGD 269 : Manufacturing and Strength Considerations of Axial Compressors, June 1946](#)

66 Frames

Author: Eckert, B. (FKFS)  
Mlaker, S.  
Moeck, E.  
Schilhansl, M.

Issuing body: Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren  
Stuttgart [FKFS]  
Lilienthal-Gesellschaft  
Westinghouse Electric Corporation  
United Aircraft Corporation. Pratt & Whitney Aircraft Division  
United States. Navy. Bureau of Ships [NavShips]

Translator: Ulrich, Ewald  
Schneider

Editor: Weiler, R.  
Adams, R. L., LCDR, USNR  
Doll, Walter  
Lepper, B. A., LTJG  
Hardigg, James S.

Language: English.

Notes: NavShips 250-338-1, June 1946. [Volume 4 of a series of articles on compressoand fan design written by German Engineers]

- Part A : B. Eckert and S. Mlaker, "Manufacture of the Blades for Acial Blowers," FKFS report for German Aircraft Research Yearbook 1941, Vol. 11. Translated by Ewald Ulrich.
- Part B : E. Moeck and M. Schilhansl, "The Stress in the Rotors of the First and Last Stage of a Counterrotating Axial Compressor," Lilienthal-Gesellschaft report 171. Translated by Schneider.

Reel 9, Item 8

[CGD 270 : Basic Considerations in the Design of Axial Flow Compressors, May 1946](#)

82 Frames

Author: Weinig, F (FKFS)  
Eckert, B. (FKFS)

Issuing body: Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren  
Stuttgart [FKFS]  
Wright Aeronautical Corporation

Translator: United States. Navy. Bureau of Ships [BuShips]  
Weekley, W. G.  
Language: English.  
Notes: BuShips 338, May 1946. [Volume 5 of a series of articles on compressor and fan design written by German Engineers]

- Part A : F. Weinig, "Calculation Fundamentals for Multi-Stage Axial Compressors," Part 2 of Lilienthal-Gesellschaft report no 171; WAC Engineering Translation 32. Translated by W. G. Weekley from "Berechnungsgrundlagen vielstufiger Axialverdichter."
- Part B : B. Eckert and F. Weinig, "Axial Flow Compressors," FKFS report, April 3, 1944; WAC Engineering Translation 25. Translated by W. G. Weekley.

Reel 9, Item 9

[CGD 271 : Basic Design Calculations for Single-Circuit Jet Propulsion Power Plants, May 1946](#)

77 Frames

Author: Eckert, B. (FKFS)  
Issuing body: Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren Stuttgart [FKFS]  
Precision Development Company  
United States. Navy. Bureau of Ships [BuShips]  
Translator: Bodmer, J. E.  
Language: English.  
Notes: BuShips 338, May 1946. [Volume 6 of a series of articles on compressor and fan design by German Engineers]

- B. Eckert, "Basic Design Calculations for Single-Circuit Jet Propulsion Power Plants," FKFS report 10 1276/2, October 10, 1945. Translated by J. E. Bodner (Precision Development Company).

Reel 9, Item 10

[CGD 272 : Review of Research on Gas Turbines Carried Out at D.V.L., Garmisch, June 1946](#)

78 Frames

Author: Kuhl, H  
Schmidt, Fritz A. F.  
Issuing body: Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]  
Wright Aeronautical Corporation  
United States Navy. Bureau of Aeronautics. Aeronautical Engine Laboratory [AEL]  
United States. Navy. Bureau of Ships [NavShips]  
Translator: Weekley, W. G.  
Language: English.  
Notes: NavShipsHIPS 250-33b, June 1946. [Volume 7 of a series of articles on compressor and fan design by German Engineers]

- Part A : H. Kuhl, "Investigations Into Governing TL [Turbo-Jet] and PTL [Propeller-Turbo-Jet] Engines," WAC Engineering translation 6. Translated by W. G. Weekley (Wright Aeronautical Corp) for AEL from "Untersuchungen über die Regelung von TL- und PTL-Triebwerken, von H. Kuhl, DVL," July 1944.

- Part B : Fritz A. F. Schmidt, "Report on Turbo-Jet Research of the DVL-Garmisch Group," WAC Engineering translation 8. Translated by W. G. Weekley (Wright Aeronautiucal Corp) for AEL from "Bericht uber den Teil der Arbeiten der Dutschen Versuchsanstalt for Luftfahrt Garmisch etc," June 26, 1945.

Reel 9, Item 11

[CGD 273 : Matching of Compressor Stages and Compressors for Good Part Load Operation, May 1946](#)

35 Frames

Author: Hagen, H.  
Senger

Issuing body: Lilienthal-Gesellschaft  
United States. Navy. Bureau of Ships [BuShips]

Translator: Goessnitz, V.  
Bechle, Erwin

Editor: Gardiner, F. J., ENS, USNR  
Morrison, Reeves

Language: English.

Notes: BuShipes 338, Vol. 8, May 1946. [Volume 8 of a series of articles on compressor and fan design by German Engineers]

- Part A : H. Hagen, "Compressor Characteristics and Starting Powers of Jet Propulsion Power Plants," Lilienthal-Gesellschaft report 171. Translated by V. Goessnitz.
- Part B : Senger, "The Operating Characteristics of Multi-Stage Compressors." V.D.I. Lecture, 1940. Translated by Erwin Bechle.

CGD 274 through CGD 275 : [not on microfilm]

Reel 9, Item 12

[CGD 276 : The Design of 50% Reaction Compressors and Results of Tests of Individual Stages, May 1946](#)

106 Frames

Author: Eckert, B. (FKFS)  
Weinig, F (FKFS)  
Kobel, W

Issuing body: Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren  
Stuttgart [FKFS]  
General Electric Company  
Chrysler Corporation  
Allis-Chalmers Manufacturing  
United States. Navy. Bureau of Ships [BuShips]

Translator: Ulrich, Ewald  
Koch, Adalbert  
Bechle, Erwin

Editor: Smith, C. W.  
Fabian, G. J.  
Shearer, R. L.

Language: English.

Notes: BuShips 338, Vol. 11, May 1946. [Volume 11 of a series of articles on compressor and fan design written by German Engineers]



- Part A : B. Eckert and F. Weinig, "Axial Flow Compressor Designed for 50% Reaction," FKFS report, February 20 , 1945. Translated by Ewald Ulrich.
- Part B : B. Eckert, "Design and Layout of an Axial Compressor for BMW 109-003A1, FKFS report 70 707/1, March 2, 1945. Translated by Adalbert Koch.
- Part C : B. Eckert and W. Kobel, "Computation of a Six Stage Axial Supercharger, " FKFS report 399, July 18, 1941. Translated by Erwin Bechle.

Reel 9, Item 13

[CGD 276 B : \[Translation of correspondence regarding Axial Flow compressor for 109-003 A-1\]](#)

9 Frames

Author: Eckert, B. (FKFS)  
Recipient: Bayerische Motoren Werke  
Language: English.  
Notes: Unattributed translation of Dr.Ing. P. Eckert to BMW Flugzeugbau, Spandau branch, regarding FKFS report 70 707/1.

CGD-277 through CGD-403 : [rolls 10 through 13 missing from collection]

Reel 14, Item 1

[CGD-404 : German Powder Development Between 1918 and 1942, September 15, 1945](#)

190 Frames

Author: Gallwitz, Uto, Major General Dr.Ing.  
Issuing body: California Institute of Technology  
United States. Navy. Bureau of Ordnance (BuOrd; NavOrd)  
Language: English.  
Notes: NavOrd report 43-45, Septebmer 15, 1945. Translation of Uto Gallwitz, "Die Geschützladung."

Reel 14, Item 2

[CGD-405 : Aerodynamic Development of the Missile "Taifun," 1st Part, May, 28, 1946](#)

14 Frames

Author: Kurzweg, Dr. (WVA)  
Issuing body: Wasserbau-Versuchsanstalt (WVA)  
Curtiss-Wright Corporation  
Translator: Tegge, A. R. (Curtiss-Wright Corp)  
Editor: Larrabee, E. E. (Curtiss-Wright Corp)  
Language: English.  
Notes: Curtiss-Wright Corp report 21233, May 28, 1946. Translated by A. R. Tegge from Kurzweg, "Aerodynamische Entwicklung des Geräts 'Taifun'," Archiv 172 g.Kdos, March 5, 1945.

CGD-406 through CGD-407 : [not on microfilm]

Reel 14, Item 3

[CGD-408 : Computation of Nozzle Wall Temperature, June 11, 1946](#)

30 Frames

Author: Eber (WVA)  
Issuing body: Wasserbau-Versuchsanstalt (WVA)  
Curtiss-Wright Corporation

Translator: Tegge, A. R. (Curtiss-Wright Corp)  
Editor: Larrabee, E. E. (Curtiss-Wright Corp)  
Language: English.  
Notes: Curtiss-Wright Corp report U-5, June 11, 1946.  
Translated by A. R. Tegge from Eber, "Berechnung der  
Däenwandtemperaturen," Archiv 66/2, June 13, 1939.

Reel 14, Item 4 [CGD-409 : Calculation of the Skin Temperatures Attained by the A IV During Flight, June 11, 1946](#)  
13 Frames  
Author: Eber (WVA)  
Issuing body: Wasserbau-Versuchsanstalt (WVA)  
Curtiss-Wright Corporation  
Translator: Tegge, A. R. (Curtiss-Wright Corp)  
Editor: Larrabee, E. E. (Curtiss-Wright Corp)  
Language: English.  
Notes: Curtiss-Wright Corp report U-9, June 11, 1946. Translated by A. R. Tegge from Eber "Über die Berechnung der Haupttemperatur des Aggregates IV während seines Fluges," Archiv 66/4, November 30, 1938.

Reel 14, Item 5 [CGD-410 : Skin Temperatures Attained by the A IV During Flight \(Supplement\), June 11, 1946](#)  
12 Frames  
Author: Eber (WVA)  
Issuing body: Wasserbau-Versuchsanstalt (WVA)  
Curtiss-Wright Corporation  
Translator: Tegge, A. R. (Curtiss-Wright Corp)  
Editor: Larrabee, E. E. (Curtiss-Wright Corp)  
Language: English.  
Notes: Curtiss-Wright Corp report U-7, June 11, 1946. Translated by A. R. Tegge from Eber, "Ergänzung zum Bericht über die Berechnung der Hauttemperaturen des Aggregates IV während seines Fluges," Archiv 66/5 g.Kdos, February 24, 1939.

Reel 14, Item 6 [CGD-411 : Calculation of the Skin Temperature Attained by the A IV During Flight, June 11, 1946](#)  
22 Frames  
Author: Eber (WVA)  
Issuing body: Wasserbau-Versuchsanstalt (WVA)  
Curtiss-Wright Corporation  
Translator: Tegge, A. R. (Curtiss-Wright Corp)  
Editor: Larrabee, E. E. (Curtiss-Wright Corp)  
Language: English.  
Notes: Curtiss-Wright Corp report U-8, June 11, 1946. Translated by A. R. Tegge from Eber, "Über die Berchnung der Hauttemperaturen des Agregates IV Während seines Flugen," Archiv 66/14, July 1, 1939.

CGD-412 : [not on microfilm]

Reel 14, Item 7 [CGD-413 : Wind Tunnel Measurements on Plane, Symmetrical Air Scoop Diffusers, June 11, 1946](#)

84 Frames  
Author: Ruden, P.  
Issuing body: Technische Hochschule Hannover. Institut für Aeromechanik und Flutechnik  
Curtiss-Wright Corporation  
Translator: Teutsch, Kurt  
Language: English.  
Notes: Curtiss-Wright Corp report U-6, June 11, 1946. Translated by Karl Teutsch from P. Ruden, DLF FB 1325, December 6, 1940.

Reel 14, Item 8

[CGD-414 : Excerpt from LGB-164/Advance Report "Stability Considerations in Sweptback Wings", June 20, 1946](#)

9 Frames

Translator: Koenig, Frederick A, (Chance Vought)

Issuing body: Chance Vought Aircraft

Language: English.

Notes: Chance Vought Aircraft report GTR-32, June 20, 1946. Translated and excerpted by Frederick A. Koenig from Horten Brothers paper at Flying Wing Seminar, April 14, 1943.

Reel 14, Item 9

[CGD-415 : Blade Lattice Without Wave Drag for Supersonic Velocities, August 8, 1946](#)

19 Frames

Author: Strauss, E. (DVL)

Issuing body: Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]. Instituts für Gasdynamik

Curtiss-Wright Corporation

Translator: Tegge, A. R. (Curtiss-Wright Corp)

Language: English.

Notes: Curtiss-Wright report U-12, August 8, 1946. Translated by A. R. Tegge from E. Strauss, "Schaufelgitter für Überschallgeschwindigkeit ohne Wellenwiderstand," DLV Instituts für Gasdynamik technical reports, Vol. 11 (1944).

Reel 14, Item 10

[CGD-416 : Investigation of the Influence of Rotor-diameter, Blade Solidity, and Blade Setting on the Thrust of a Rotor with Jet Propulsion, July 29, 1946](#)

23 Frames

Author: Sissingh, Gerhard (AVA Göttingen)

Issuing body: Aerodynamische Versuchsanstalt Göttingen. Institute for Unsteady Flow

Kellett Aircraft Corporation

United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)

Language: English.

Notes: AAF translation F-TS-689-RE, July 29, 1946. Translated by Kellet Aircraft Corp from Sissingh, "Untersuchungen über den Einfluss von Motordurchmesser, Flächendichte und Blatteinstellung auf den Standschub einer Hubschraube mit Strahlantrieb."

Reel 14, Item 11

[CGD-417 : Contributions to the Dynamic Stability of Rotary-wing Aircraft with Articulated Blades, Part I - General Principles, July 29, 1946](#)

42 Frames

Author: Sissingh, Gerhard (AVA Göttingen)  
Issuing body: Aerodynamische Versuchsanstalt Göttingen. Institute for Unsteady Flow  
McDonnell Aircraft Corporation  
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2)  
Translator: Gail, A. (McDonnell)  
Language: English.  
Notes: AAF translation F-TS-690-RE, July 29, 1946. Translated by A. Gail, McDonnell Douglas Corp, from report by Sissingh (AVA Göttingen).

CGD-418 through CGD-424 : [not on microfilm]

Reel 14, Item 12

[CGD-425 : Three Component Measurements on Sweptback Wings with Split Flaps, June 12, 1946](#)

81 Frames

Author: Hansen, M.  
Issuing body: Aerodynamische Versuchsanstalt Göttingen. Institut Windkanäle  
Convair (Consolidated Vultee Aircraft Corp)  
Translator: Lowry, J. (Convair)  
Language: English.  
Notes: Convair report GT-97, June 12, 1946. Translated by J. Lowry from M. Hansen, "Dreikomponentenmessungen an Pfeilflügeln mit Spreizklappe," AVA Göttingen report, DLF FB 1626, June 13, 1942; ZWB classification P 31 15. [Original German report included with Convair translation]

Reel 14, Item 13

[CGD-426 : Calculations on the Possibility of Attaining High Mach Numbers in Wind Tunnel Tests, April 1946](#)

24 Frames

Author: Wagner, C.  
Issuing body: Technischen Hochschule Darmstadt. Institut für Anorganische und Physikalische Chemie  
Cornell Aeronautical Laboratory  
Translator: Lotsof, J.  
Language: English.  
Notes: Cornell Aeronautical Laboratory translation, April 1946. Translated by J. Lotsof from Dr. Carl Wagner, Kochel report A3.

CGD-427 through CGD-429 : [not on microfilm]

Reel 14, Item 14

[CGD-430 : Report of Three-component Measurements on the Winged Shell A 4 V13/c, June 13, 1946](#)

4 Frames

Translator: Koenig, Frederick A, (Chance Vought)  
Issuing body: Chance Vought Aircraft  
Language: English.  
Notes: Chance Vought Aircraft report GTR-26, June 13, 1946. Translated by Frederick A. Koenig from Archiv 66/51, December 19, 1941.

CGD-431 through CGD-432 : [not on microfilm]

Reel 14, Item 15      [CGD-433 : The Trajectory of a Two Stage Glider, July 1946](#)  
16 Frames  
Translator:      Fox, A. H., Dr. (General Electric, Project Hermes)  
Issuing body:    Project Hermes  
                      General Electric Company  
                      United States. Army. Ordnance Department  
Language:        English.  
Notes:            General Electric (Project Hermes) data folder 71385, July 1946,  
                      for Ordnance Dept, U. S. Army. Translated by Dr. A. H. Fox.

CGD-434 through CGD-435 : [not on microfilm]

Reel 14, Item 16      [CGD-436 : The Pull-Up of the Helicopter, July 31, 1946](#)  
27 Frames  
Author:            Hohenemser, K.  
Issuing body:    Anton Flettner G.m.b.H. (Germany)  
                      G & A Aircraft Corporation  
                      United States. Army Air Forces. Air Materiel Command. Air  
                      Documents Division (T-2)  
Language:        English.  
Notes:            AAF Translation F-TS-692-RE, July 31, 1946; released August  
                      1946. Translated by G & A Aircraft Corp from Anton Flettner  
                      GmbH report, December 1944.

CGD-437 : [not on microfilm]

Reel 14, Item 17      [CGD-438 : Optical Infrared Proximity Fuse, July 15, 1946](#)  
7 Frames  
Author:            Peucker, Dipl.Ing.  
Issuing body:    Wasserbau-Versuchsanstalt, Kochelsee GmbH [WVA]  
                      United States. Navy. Naval Ordnance Lab [NOL]  
Translator:        Neuman, V., Dr.  
Language:        English.  
Notes:            NOL Memorandum 8603, July 15, 1946. Translated  
                      by V. Neuman from Peucker, "Optischer Ultrarot-  
                      Annäherungszunder," WVA archiv 66/185, May 19, 1945.