



Smithsonian
National Air and Space Museum

Captured German Aeronautical
Documents (CGD) Microfilm

2001

National Air and Space Museum Archives
14390 Air & Space Museum Parkway
Chantilly, VA 20151
NASMRefDesk@si.edu
<http://airandspace.si.edu/research/resources/archives/>

Table of Contents

Collection Overview	1
Administrative Information	1
Biographical / Historical.....	1
Scope and Contents.....	2
Arrangement.....	2
Abbreviations.....	2
Names and Subjects	3
Container Listing	5

Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Captured German Aeronautical Documents (CGD) Microfilm
Identifier:	NASM.XXXX.0408
Date:	1945-1946
Extent:	7 microfilm reels
Language:	English
Summary:	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.

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

Material is subject to Smithsonian Terms of Use. Should you wish to use NASM material in any medium, please submit an Application for Permission to Reproduce NASM Material, available at [Permissions Requests](#)

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.

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.

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-#".

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 Krafftahrwesen 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]

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

Container Listing

- Reel 1, Item 1 CGD-1 : Ground Launched Antiaircraft (Controlled), September 25, 1945
26 Frames
[Image\(s\)](#)
Oberth, Hermann, 1894-1989, Author
Patek, Robert (T-2), Translator
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
AAF ATSC Air Document Division translation, September 25, 1945. Translated by Robert Patek from Hermann Oberth, "Die Flak-Rakete," 1945.
- Reel 1, Item 2 CGD-2 : Wood-Burning Jet Unit, October 1, 1945
26 Frames
[Image\(s\)](#)
Oberth, Hermann, 1894-1989, Author
Wacknitz, Margaret, Translator
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
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.
- Reel 1, Item 3 CGD-3 : The Design of a Long-Range Rocket, October 4, 1945
30 Frames
[Image\(s\)](#)
Oberth, Hermann, 1894-1989, Author
Dreyer, Reynold (T-2), Translator
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
AAF ATSC Air Documents Division (T-2) translation, October 4, 1945. Translated by Reynold Dreyer from Hermann Oberth, "Projekt Einer Fern-Rakete."
- Reel 1, Item 4 CGD-4 : The Effect of Self-Inductance of Rolled Paper Condensers on Their Impedance, October 17, 1945
23 Frames
[Image\(s\)](#)
Linder, L. (VDE), Author
Schniedermann, J., Author
Wilder, Emilia, Dr. (T-2), Translator
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
AAF ATSC Air Documents Division (T-2) translation, October 17, 1945. Translated by Dr. Emilia Wilder from L. Linder and J. Schniedermann, "Einfluss

der Eigeninduktivität von Wickelkondensatoren auf Ihren Scheinwiderstand,"
Elektrotechnische Zeitschrift, July 6, 1939, pp.793-798.

- Reel 1, Item 5 CGD-5 : Temporary Service Manual for the Jumo 004 B-1 and B-4, October 26, 1945
57 Frames
[Image\(s\)](#)
Vitali, Paul (T-2), Translator
Bosart, Louis W., Dr. (T-2), Editor
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
AAF ATSC Air Documents Division (T-2) translation, October 26, 1945.
Translated by Paul Vitali from "Vorläufiger Ent störungsplan 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
[Image\(s\)](#)
Deutschen Akademie für Luftfahrtforschung (DAL), Publisher
Freiwald, Heinz, Author
Huysler, A, Translator
United States. Army. Ordnance Department. Technical Intelligence Branch (OTIB), Issuing body
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 Akademie der Luftfahrtforschung*, Berlin, 1941.
- Reel 1, Item 7 CGD-7 : Report on Cavitation Installations for Small Cavitation Numbers, November 20, 1945
19 Frames
[Image\(s\)](#)
Reichardt, H, Author
Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen, Issuing body
Thomsen, Anne, Translator
United States. Navy. Naval Technical Mission Europe, Issuing body
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

[Image\(s\)](#)

Reichardt, H, Author

Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen, Issuing body

United States. Navy. Naval Technical Mission Europe, Issuing body

Enclosed in Naval Technical Mission Europe report 1481, "Cavitation - Installation and Research at Gottingen," October 1945. Translated from H. Reichardt, UM 6625, July 12, 1945.

Reel 1, Item 9

CGD-9 : Detection of Material Defects in Plates with a Supersonic Device, October 12, 1945

14 Frames

[Image\(s\)](#)

United States. Navy. Naval Technical Mission Europe, Issuing body

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.

Reel 1, Item 10

CGD-10 : Aircraft Design and Development Work at Huetter G.m.b.H., October 22, 1945

18 Frames

[Image\(s\): CGD-10 : Aircraft Design and Development Work at Huetter G.M.B.H.](#)

Hütter, Wolfgang, Dipl.Ing., Author

Hütter G.m.b.H. (Kirchheim-Teck, Germany), Issuing body

United States. Navy. Naval Technical Mission Europe, Issuing body

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).

Reel 1, Item 11

CGD-11 : Description of the "Kakadu" Proximity Fuse (German), October 10, 1945

8 Frames

[Image\(s\)](#)

Cihak, Otto, Ing., Author

Danubia A.G. (Vienna), Issuing body

United States. Navy. Naval Technical Mission Europe, Issuing body

Enclosure (B) to Naval Technical Mission Europe report 1665, October 10, 1945. Translated from Otto Cihak, "Beschreibung des Gerätes 'Kakadu'", Danubia A.G., Vienna.

CGD-12 : [not on microfilm]

Reel 1, Item 12

CGD-13 : Investigations Concerning the Critical State, November 16, 1945

54 Frames

[Image\(s\)](#)

Groen, Henry John, Translator

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

AAF ATSC Air Document Division translation 383 [?], November 16, 1945.

Translated by John Henry Groen from "Untersuchngen über den Kritischen Zustand", *Zeitschrift f. physik. Chemie* 86 (1914) : 385-426.

Reel 1, Item 13

CGD-14 : Methods for Tapping Large Amounts of Compressed Air Behind the Compressor of a Turbo-Jet Engine, November 6, 1945

30 Frames

[Image\(s\)](#)

Morghen, Karl, Author

Messerschmitt AG, Issuing body

Dreyer, Reynold (T-2), Translator

Kuhn, Brigitta (T-2), Editor

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

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

[Image\(s\)](#)

Bayerische Motoren Werke, Issuing body

DeVellier, Ella H. (T-2), Translator

Kuhn, Brigitta (T-2), Editor

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

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

[Image\(s\)](#)

Schäffer, Author

Holm, Elsa (T-2), Translator

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

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

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

[Image\(s\)](#)

Hirth-Motoren, Issuing body

Kugel, Alfred, Translator

Kuhn, Brigitta (T-2), Editor

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

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

[Image\(s\)](#)

Scholhemeier, Author

Luftfahrtforschungsanstalt. Hermann Göring Institut für Aerodynamik (LFA), Issuing body

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

Goodyear Aircraft Corp, Issuing body

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

[Image\(s\)](#)

Ludwig, H. (AVA Göttingen), Author
Aerodynamische Versuchsanstalt Göttingen E.V., Issuing body
Medvedeff, N. S. (Goodyear Aircraft), Translator
Goodyear Aircraft Corp, Issuing body
Goodyear Aircraft Corp report R-30-18, Part 7, November 12, 1945. Translated by N. S. Medvedeff from N, Ludwig, "Pfeilflug 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

[Image\(s\)](#)

Georgii, Walter, Author
Deutschen Akademie für Luftfahrtforschung (DAL), Issuing body
Lieberman, Julius, Dr, Translator
Bosart, Louis W., Dr. (T-2), Editor
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
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

[Image\(s\)](#)

Germany (Third Reich). Luftwaffe, Issuing body
DeVellier, Ella H. (T-2), Translator
Kuhn, Brigitta (T-2), Editor
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
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

[Image\(s\)](#)

Aerodynamische Versuchsanstalt Göttingen. Institute for Thermodynamics,
Issuing body

Ritz, Ludolf, Author

United States. Army Air Forces. United States Strategic and Tactical Air Forces
(USSTAF). Air Documents Research Center (ADRC), Issuing body

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

[Image\(s\)](#)

Aerodynamische Versuchsanstalt Göttingen. Institute for the Development of
Instruments, Issuing body

Aerodynamische Versuchsanstalt Göttingen. Department for Measuring
Instruments, Issuing body

United States. Army Air Forces. United States Strategic and Tactical Air Forces
(USSTAF). Air Documents Research Center (ADRC), Issuing body

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

[Image\(s\)](#)

Junkers (Junkers Flugzeug Werke AG), Issuing body

United States. Army Air Forces. United States Strategic and Tactical Air Forces
(USSTAF). Air Documents Research Center (ADRC), Issuing body

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

[Image\(s\)](#)

Kienzle Apparate A.G., Issuing body

Jaeckel, H, Translator

Adam, A. C., Translator

Schach, P. (AEL), Translator

Russ, D. G., Editor

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

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.](#)

Liebe, Dr., Author

Luftfahrtforschungsanstalt. Hermann Göring Institut für Aerodynamik (LFA), Issuing body

David, Felix, Dr., Translator

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

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

[Image\(s\)](#)

Germany (Third Reich). Luftwaffe, Issuing body

DeVellier, Ella H. (T-2), Translator

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

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

[Image\(s\)](#)

Vereinigte Deutsche Metallwerke (VDM), Issuing body

Wacknitz, Margaret, Translator

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

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

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

[Image\(s\)](#)

Japan. Navy. Naval Air Unit, Issuing body

Taketa, Kazuto, Cpl., Translator

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

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

[Image\(s\)](#)

Deutschen Akademie für Luftfahrtforschung (DAL), Issuing body

Brav, Max, Dr., Translator

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

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

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

[Image\(s\)](#)

Schelp, Helmut, Dipl.Ing., Author

Germany (Third Reich). Reichsluftfahrtministerium (RLM), Issuing body

Martin, A. W. (AEL), Translator

Russ, D. G., Editor

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

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

[Image\(s\)](#)

Multhopp, Hans, Author

Focke-Wulf G.m.b.H. , Issuing body

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

Goodyear Aircraft Corp, Issuing body

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

[Image\(s\)](#)

Lemme, Author

Aerodynamische Versuchsanstalt Göttingen E.V., Issuing body

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

Goodyear Aircraft Corp, Issuing body

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

[Image\(s\)](#)

Leung-Werke AG, Issuing body

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

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
[Image\(s\)](#)
Focke-Wulf G.m.b.H. , Issuing body
DeVellier, Ella H. (T-2), Translator
Alexander, F. C., Lt., Editor
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
AAF ATSC Air Documents Division translation, December 17, 1945. Translated by Ella DeVellier from "Baubeschreibung Nr.272 Einmotorigen TL-Jager 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
[Image\(s\)](#)
Germany (Third Reich). Reichsluftfahrtministerium (RLM), Issuing body
Metzger, Henry (T-2), Translator
Hausknecht, Ludwik, Dr. (T-2), Editor
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
AAF ATSC Air Documents Division translation, December 6, 1945. Translated by Henry Metzger from "Beschreibung und Bedienungsanweisung für den Rheißenbildungner 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
[Image\(s\)](#)
Berger, E., Pvt. (T-2), Translator
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
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

[Image\(s\)](#)

Germany (Third Reich). Reichsluftfahrtministerium (RLM), Issuing body

Metzger, Henry (T-2), Translator

Hausknecht, Ludwik, Dr. (T-2), Editor

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

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

[Image\(s\)](#)

Schwier, W. (AVA Göttingen), Author

Aerodynamische Versuchsanstalt Göttingen E.V., Issuing body

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

Goodyear Aircraft Corp, Issuing body

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

[Image\(s\)](#)

Regenscheit, B. (AVA Göttingen), Author

Aerodynamische Versuchsanstalt Göttingen. Institut Windkanäle, Issuing body

United Aircraft Corporation, Issuing body

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

[Image\(s\)](#)

Weber, E. (AVA Göttingen), Author

Kehl, A. (AVA Göttingen), Author

Aerodynamische Versuchsanstalt Göttingen E.V., Issuing body

United Aircraft Corporation, Issuing body

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

[Image\(s\)](#)

Regenscheit, B. (AVA Göttingen), Author

Aerodynamische Versuchsanstalt Göttingen. Institut Windkanäle, Issuing body

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

Goodyear Aircraft Corp, Issuing body

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 Grenrechicht.", 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

[Image\(s\)](#)

Gropler, Hans (Junkers), Author

Junkers (Junkers Flugzeug Werke AG), Issuing body

Fesenmeyer, R. H. (Chance Vought Aircraft), Translator

Kybal, D. (Chance Vought Aircraft), Translator

LaValler, S. O., Translator

Sandgren, F. B., Translator

Navoy, H., Translator

Laud, C. A., Translator

Chance Vought Aircraft, Issuing body

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

[Image\(s\)](#)

Erdmann (HVP), Author

Germany (Third Reich). Heereswaffenamt. Heeres Versuchsanstalt
Peenemünde (HVP), Issuing body

United States. Army Air Forces. United States Strategic and Tactical Air Forces
(USSTAF). Air Documents Research Center (ADRC), Issuing body

ADRC Translation from Erdmann, "Vorläufiger Bericht Druckverteilung
Messung 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

[Image\(s\)](#)

Focke-Wulf G.m.b.H. , Issuing body

Bell Aircraft Corporation, Issuing body

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

[Image\(s\)](#)

Multhopp, Hans, Author

Focke-Wulf G.m.b.H. , Issuing body

Gumbel, H. (Republic Aviation), Translator

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

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
Pfeilflügel 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

[Image\(s\)](#)

Oswalitsch, Kl., Author

Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen, Issuing body

Letsof, Jack (Curtiss-Wright), Translator

Luippold, Robert (Curtiss-Wright), Translator

Curtiss-Wright Corporation, Issuing body

Hurmann, F. K. (McDonnell), Translator

Buyard, P. A. (McDonnell), Translator

McDonnell Aircraft Corporation, Issuing body

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

[Image\(s\)](#)

Oswalitsch, Kl., Author

Böhm, H., Author

Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen, Issuing body

Beil, W. J. (Curtiss-Wright), Translator

Curtiss-Wright Corporation, Issuing body

Curtiss-Wright Corp report, November 6, 1945. Translated by W. J. Beil,
November 1, 1945, from Kl. Oswatitsch 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

[Image\(s\)](#)

Oswalitsch, Kl., Author

Böhm, H., Author

Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen, Issuing body

Luippold, Robert (Curtiss-Wright), Translator

Curtiss-Wright Corporation, Issuing body

Massarik, Fred (Douglas Aircraft), Translator

Douglas Aircraft Company, Issuing body

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

[Image\(s\)](#)

Schulz, G. (Heinkel), Author

Heinkel (Aircraft manufacturer), Issuing body

Nemerever, W. J. (Curtiss-Wright), Translator

Curtiss-Wright Corporation, Issuing body

Grumann, H. R. (McDonnell), Translator

McDonnell Aircraft Corporation, Issuing body

Two translations of G. Schulz, Heinkel report, DLF UM 8203, August 7, 1944.

- Curtiss-Wright Corp report 21141, November 20, 1945. Translated by W. J. Nemerever.
- McDonnell Aircraft Corp report GT-25, February 19, 1946. Translated by H. R. Grumann.

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

[Image\(s\)](#)

Jacobs, W. (LFA Braunschweig), Author

Luftfahrtforschungsanstalt Hermann Göring E.V. - Braunschweig, Issuing body

Nemerever, W. J. (Curtiss-Wright), Translator

Curtiss-Wright Corporation, Issuing body

Hurmann, F. K. (McDonnell), Translator

Buyard, P. A. (McDonnell), Translator

McDonnell Aircraft Corporation, Issuing body

Two translation of W. Jacobs, "Druckverteilungsmessungen on Pfeilflügeln konstanter Tiefe bei symmetrischer 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

[Image\(s\)](#)

Busemann, Adolf, Author

Lilienthal-Gesellschaft, Issuing body

Koch, Walter L. (NAA), Translator

North American Aviation, Inc., Issuing body

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
[Image\(s\)](#)
Groth (AVA Göttingen), Author
Aerodynamische Versuchsanstalt Göttingen E.V., Issuing body
Monroe, W. R. (NAA), Translator
North American Aviation, Inc., Issuing body
North American Aviation report NA-8776, November 21, 1945. Translated by W. R. Monroe from Groth, "Über die Auswertung der nach dem Interferenzenverfahren 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
[Image\(s\)](#)
Groth (AVA Göttingen), Author
Aerodynamische Versuchsanstalt Göttingen E.V., Issuing body
Monroe, W. R. (NAA), Translator
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
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 Interferenzenmessung 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
[Image\(s\)](#)
Douglas Aircraft Company, Issuing body
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
[Image\(s\)](#)
Douglas Aircraft Company, Issuing body
Douglas Aircraft translation of DLF FB 1318/4.
- Reel 3, Item 24 CGD-89 : Six Component Data with Various Wing Fuselage Combinations

3 Frames

[Image\(s\)](#)

Moller, E., Author

Douglas Aircraft Company, Issuing body

Douglas Aircraft translation fFrom 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

[Image\(s\): 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.](#)

Douglas Aircraft Company, Issuing body

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

[Image\(s\)](#)

Wegener, Dr. (WVA), Author

Wasserbau-Versuchsanstalt (WVA), Issuing body

Massarik, Fred (Douglas Aircraft), Translator

Douglas Aircraft Company, Issuing body

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

[Image\(s\)](#)

Sissingh, Gerhard (AVA Göttingen), Author

Aerodynamische Versuchsanstalt Göttingen E.V., Issuing body

United Aircraft Corporation, Issuing body

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

[Image\(s\)](#)

Reichardt, H, Author

Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen, Issuing body

Thomsen, Anne, Translator

Douglas Aircraft Company, Issuing body

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

[Image\(s\)](#)

Jacobs, W. (LFA Braunschweig), Author

Luftfahrtforschungsanstalt Hermann Göring E.V. - Braunschweig, Issuing body

Koch, Walter L. (NAA), Translator

North American Aviation, Inc., Issuing body

Skappel, Henry C. (Bell Aircraft), Translator

Bell Aircraft Corporation, Issuing body

Two translations of W. Jacobs, "Sechskonntenmessungen an vier Trapezfögeln 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

[Image\(s\)](#)

Stueper, Author

Fesenmeyer, R. H. (Chance Vought Aircraft), Translator

Kybal, D. (Chance Vought Aircraft), Editor

Chance Vought Aircraft, Issuing body

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

[Image\(s\)](#)

Fourné, Author

Fesenmeyer, R. H. (Chance Vought Aircraft), Translator

Ringham, R. F. (Chance Vought Aircraft), Editor

Kybal, D. (Chance Vought Aircraft), Editor

Chance Vought Aircraft, Issuing body

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

[Image\(s\)](#)

Quick (German propellers), Author

Fesenmeyer, R. H. (Chance Vought Aircraft), Translator

Kybal, D. (Chance Vought Aircraft), Editor

Chance Vought Aircraft, Issuing body

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

[Image\(s\)](#)

Braun (Messerschmitt), Author

Messerschmitt AG, Issuing body

Fesenmeyer, R. H. (Chance Vought Aircraft), Translator

Ringham, R. F. (Chance Vought Aircraft), Editor

Chance Vought Aircraft, Issuing body

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

[Image\(s\)](#)

Göthert, B., Author

Fesenmeyer, R. H. (Chance Vought Aircraft), Translator

Kybal, D. (Chance Vought Aircraft), Editor

Chance Vought Aircraft, Issuing body

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*
[Image\(s\)](#)
Braun, G., Dr. (LFA), Dubious author
Kerris (LFA), Dubious author
Thiel (LFA), Dubious author
Luftfahrtforschungsanstalt Hermann Göring E.V. - Braunschweig, Issuing body
Dryden, Hugh L. (Hugh Latimer), Dr., 1898-1965, Translator
United States. Army. Army Air Forces. Scientific Advisory Group, Issuing body
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*
[Image\(s\)](#)
Hildenbrand, Author
Lemme, Author
Messerschmitt AG, Issuing body
Vandermeer, Will (Ryan Aeronautical), Translator
Ryan Aeronautical Company, Issuing body
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*
[Image\(s\)](#)
Wolfhard, Von H. G. (Braunschweig), Author
Vandermeer, Will (Ryan Aeronautical), Translator
Ryan Aeronautical Company, Issuing body
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

[Image\(s\)](#)

Deutsche Versuchsanstalt für Luftfahrt E. V.. Institut für motorische Arbeitsverfahren und Thermodynamik (DVL), Issuing body

Littlefield, Maxine (Ryan Aeronautical), Translator

Ryan Aeronautical Company, Issuing body

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

[Image\(s\)](#)

Heinecke (Messerschmitt), Author

Messerschmitt AG, Issuing body

Vandermeer, Will (Ryan Aeronautical), Translator

Ryan Aeronautical Company, Issuing body

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

[Image\(s\)](#)

Luetgebrune, H., Author

Technische Hochschule Hannover. Institut für Aeromechanik und Flutechnik, Issuing body

Skappel, Henry C. (Bell Aircraft), Translator

Bell Aircraft Corporation, Issuing body

Vandermeer, Will (Ryan Aeronautical), Translator

Ryan Aeronautical Company, Issuing body

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
[Image\(s\)](#)
Zobel, Theo, Author
Skappel, Henry C. (Bell Aircraft), Translator
Bell Aircraft Corporation, Issuing body
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 mementor, 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
[Image\(s\)](#)
Kraus, Dr. (WVA), Author
Herrmann, B. (WVA), Author
Wasserbau-Versuchsanstalt (WVA), Issuing body
Skappel, Henry C. (Bell Aircraft), Translator
Bell Aircraft Corporation, Issuing body
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
[Image\(s\)](#)
Göthert, B., Author
Bell Aircraft Corporation, Issuing body
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

[Image\(s\)](#)

Prandtl, L., Author

Douglas Aircraft Company, Issuing body

Douglas Aircraft Co translation [2 copies] from L. Prandtl, *Luftfahrtforschung* 12, No.10, October 12, 1936.

Reel 4, Item 16

CGD-111 : Aerodynamic Lift at Supersonic Speeds

34 Frames

[Image\(s\)](#)

Busemann, Adolf, Author

Douglas Aircraft Company, Issuing body

Douglas Aircraft Co translation [2 copies] from A. Buseman, *Luftfahrtforschung* 12, pp.210-220, 1935.

Reel 4, Item 17

CGD-112 : The Design of Lorin-Propulsion Units, February 1946 (Bell translation)

73 Frames

[Image\(s\)](#)

Pabat, Otto, Dr., Author

Focke-Wulf G.m.b.H. , Issuing body

Gasdynamische Versuchsanstalt (GDV), Issuing body

Douglas Aircraft Company, Issuing body

Skappel, Henry C. (Bell Aircraft), Translator

Bell Aircraft Corporation, Issuing body

Two documents translated from Dr. Otto Pabst, "Die Auslegung von Lorin-Triebwerken," Focke-Wulf report 09041 / GDV report 41.

- Douglas Aircraft Co translation, "The Design of Lorin-Propulsion Units."
- Bell Aircraft Corp report, "Preliminary Design of Ram Jets," February 1946. Translated by Henry C. Skappel.

Reel 4, Item 18

CGD-113 : Systematic Burner Experiments with Illuminating Gas

11 Frames

[Image\(s\)](#)

Pabat, Otto, Dr., Author

Focke-Wulf G.m.b.H. , Issuing body

Douglas Aircraft Company, Issuing body

Douglas Aircraft Co translation from O. Pabst, Focke-Wulf report 09015, 1942.

Reel 4, Item 19

CGD-114 : Infinitesimal Conical Supersonic Flow

23 Frames

[Image\(s\)](#)

Busemann, Adolf, Author

Douglas Aircraft Company, Issuing body

Douglas Aircraft Co translation from Adolf Busemann, *Yearbook of the German Academy for Aeronautical Research*, 1943, Vol.7B, No.3, pp.105-122.

Reel 4, Item 20

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

11 Frames

[Image\(s\)](#)

Wegener, Dr. (WVA), Author

Wasserbau-Versuchsanstalt (WVA), Issuing body

Schoemen, Hermann, Translator

Boeing Airplane Company, Issuing body

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

[Image\(s\)](#)

Lehnert, Dr. (WVA), Author

Wasserbau-Versuchsanstalt (WVA), Issuing body

Schoemen, Hermann, Translator

Boeing Airplane Company, Issuing body

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

[Image\(s\)](#)

Koch, G. (Lilienthal Gesellschaft), Author

Lilienthal-Gesellschaft, Issuing body

Bell Aircraft Corporation, Issuing body

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

[Image\(s\)](#)

Kurzweg, Dr. (WVA), Author

Wasserbau-Versuchsanstalt (WVA), Issuing body

Skappel, Henry C. (Bell Aircraft), Translator

Bell Aircraft Corporation, Issuing body

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

General Electric Company, Issuing body

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

[Image\(s\)](#)

Ludwig, H. (AVA Göttingen), Author

Weber, E. (AVA Göttingen), Author

Aerodynamische Versuchsanstalt Göttingen. Institut für Hochgeschwindigkeitsfragen [Institute for High Speed Research], Issuing body

Skappel, Henry C. (Bell Aircraft), Translator

Bell Aircraft Corporation, Issuing body

Bell Aircraft Corp report, October 1945. Translated by H. C. Skappel from H. Ludwig and E. Weber, "Einfluss der Leitwerkpeilung auf den Widerstand und die Druckpunktlage eines Flugelstabilisierten 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

[Image\(s\)](#)

Deutsche Forschungsanstalt für Segelflug "Ernst Udet", Issuing body

Skappel, Henry C. (Bell Aircraft), Translator

Bell Aircraft Corporation, Issuing body

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](#)
Hansen, Asmus, Author
Leibiger, Irma (T-2), Translator
Bosart, Louis W., Dr. (T-2), Editor
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
AAF ATSC Air Documents Division translation, January 15, 1946. Translated by Irma Leibiger from Asmus Hansen, "Probleme des Hohenflug," *Schriften der deutsches 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
[Image\(s\)](#)
Pinsker, W (DVL), Author
Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]. Instituts für Gasdynamik, Issuing body
Grumann, H. R. (McDonnell), Translator
McDonnell Aircraft Corporation, Issuing body
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 \(Interim Report\)](#)
Weissinger, J. (DVL), Author
Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL], Issuing body
Koch, Walter L. (NAA), Translator
North American Aviation, Inc., Issuing body
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

[Image\(s\)](#)

Weber, J. (AVA Göttingen), Author
Küchemann, D. (AVA Göttingen), Author
Grumann, H. R. (McDonnell), Translator
McDonnell Aircraft Corporation, Issuing body
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 \(Second Partial Report\)](#)

Pinsker, W (DVL), Author
Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL], Issuing body
Grumann, H. R. (McDonnell), Translator
McDonnell Aircraft Corporation, Issuing body
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

[Image\(s\)](#)

Reichardt, H, Author
Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen, Issuing body
Grumann, H. R. (McDonnell), Translator
Buyard, P. A. (McDonnell), Translator
McDonnell Aircraft Corporation, Issuing body
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

[Image\(s\)](#)

Luetgebrune, H., Author
Technische Hochschule Hannover. Institut für Aeromechanik und Flutechnik, Issuing body
Grumann, H. R. (McDonnell), Translator
Buyard, P. A. (McDonnell), Translator
McDonnell Aircraft Corporation, Issuing body
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

[Image\(s\)](#)

Pabat, Otto, Dr., Author

Focke-Wulf G.m.b.H. , Issuing body

Grumann, H. R. (McDonnell), Translator

Buyard, P. A. (McDonnell), Translator

McDonnell Aircraft Corporation, Issuing body

Charlins, Arnold (T-2), Translator

Patek, Robert (T-2), Editor

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

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](#)

Küchemann, D. (AVA Göttingen), Author

Weber, J. (AVA Göttingen), Author

Aerodynamische Versuchsanstalt Göttingen E.V., Issuing body

Grumann, H. R. (McDonnell), Translator

Buyard, P. A. (McDonnell), Translator

McDonnell Aircraft Corporation, Issuing body

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](#)

Unattributed translation.

CGD-163 : [not on microfilm]

- Reel 6, Item 2 CGD-164 : Swept Back Wings at High Velocities
58 Frames
[Image\(s\)](#)
Ludwig, H. (AVA Göttingen), Author
Aerodynamische Versuchsanstalt Göttingen E.V., Issuing body
Bell Aircraft Corporation, Issuing body
Bell Aircraft Corp report. Free rendering of material (not a literal translation) by the Aeronautics Dept. from H. Ludwig, Gottingen.
- Reel 6, Item 3 CGD-165 : Investigation of Aileron Effectiveness of a Sweptback Wing and a "Blunted" Sweptback Wing, April 3, 1946
7 Frames
[Image\(s\)](#)
Aerodynamische Versuchsanstalt Göttingen E.V., Issuing body
Massarik, Fred (Douglas Aircraft), Translator
Douglas Aircraft Company, Issuing body
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
[Image\(s\)](#)
Mangler, W. (AVA Göttingen), Author
Aerodynamische Versuchsanstalt Göttingen E.V., Issuing body
Medvedeff, N. S. (Goodyear Aircraft), Author
Goodyear Aircraft Corp, Issuing body
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 Rotationskörpern bei Symmetrischer Anblasung," AVA Göttingen, report 45-A-17.
- Reel 6, Item 5 CGD-167 : Fundamental Aerodynamic Investigations for Development of Arrow-Stabilized Projectiles, March 22, 1946
32 Frames
[Image\(s\)](#)
Deutschen Akademie für Luftfahrtforschung (DAL), Issuing body
Liepman, H. P. (Goodyear Aircraft), Translator
Goodyear Aircraft Corp, Issuing body
Goodyear Aircraft Corp report GER-296, March 22, 1946 (ref. no. R-30-18 Part 22). Translated by H. P. Liepman from "Die grundsätzlichen 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

[Image\(s\)](#)

Lehnert, Dr. (WVA), Author

Raffel (WVA), Author

Wasserbau-Versuchsanstalt (WVA), Issuing body

Pikler, H. (Goodyear Aircraft), Translator

Goodyear Aircraft Corp, Issuing body

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

[Image\(s\)](#)

Wolff, H. (Focke-Wulf), Author

Focke-Wulf G.m.b.H. , Issuing body

Liepman, H. P. (Goodyear Aircraft), Translator

Goodyear Aircraft Corp, Issuing body

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

[Image\(s\)](#)

Hartwig (Focke-Wulf), Author

Focke-Wulf G.m.b.H. , Issuing body

Pikler, H. (Goodyear Aircraft), Translator

Goodyear Aircraft Corp, Issuing body

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

[Image\(s\)](#)

Bensigner, Theodor, Author

Deutschen Akademie für Luftfahrtforschung (DAL), Issuing body

Lieberman, Julius, Dr, Translator

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

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

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](#)

General Electric Company, Issuing body

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

[Image\(s\)](#)

Germany (Third Reich). Luftwaffe, Issuing body

Sjostrom, Vers (T-2), Translator

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

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

[Image\(s\)](#)

Germany (Third Reich). Luftwaffe, Issuing body

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

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

AAF Engineering Division translation 395 (file number D72.33/241), February 2, 1945. Translated by Gerhardt H. Plaga from 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
[Image\(s\)](#)
Magnus, K., Author
Desper, Ralph, Dr. (T-2), Translator
Wilder, Emilia, Dr. (T-2), Editor
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
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
[Image\(s\)](#)
Germany (Third Reich). Luftwaffe, Issuing body
Wilder, Emilia, Dr. (T-2), Translator
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
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
[Image\(s\)](#)
Germany (Third Reich). Luftwaffe, Issuing body
Plaga, Gerhardt H. (T-2), Translator
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
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
[Image\(s\)](#)
Ritz (Ice Accretion experimental group (Germany)), Author
Henfrich (Ice Accretion experimental group (Germany)), Author
Aerodynamische Versuchsanstalt Göttingen E.V., Editor
Tribus, Myron (T-2), Translator
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
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
[Image\(s\)](#)
Schüssler, Karl, Author
Heberle, Jürgen (T-2), Translator
Bosart, Louis W., Dr. (T-2), Editor
United States. Army Air Forces. Air Materiel Command. Air Documents Division
(T-2), Issuing body
AAF Engineering Division translation 404 (file number A70/83), September 11,
1945. Translated by Jürgen Heberle from Karl Schüussler, Braunsweig.
- Reel 6, Item 18 CGD-181 : FW 190/BMW 801 Pursuit Airplane, September 19, 1945
13 Frames
[Image\(s\)](#)
Dreyer, Reynold (T-2), Translator
United States. Army Air Forces. Air Materiel Command. Air Documents Division
(T-2), Issuing body
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
[Image\(s\)](#)
Bungardt (DVL), Author
Schmittberger (DVL), Author
Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]. Institut für
Werkstoffforschung, Issuing body
Kapteina, Eleanor, Translator
United States. Army Air Forces. Air Materiel Command. Air Documents Division
(T-2), Issuing body
AAF Air Documents Division (T-2) translation 453 (file number D10.13/743),
October 1945. Translated by Eleanor Kapteina from microfilm of Bungardt and
Schmitberger, 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

[Image\(s\): CGD-183 : Conference on Ceramic Materials for Jet Propulsion Apparatus.](#)

Daimler-Benz, Issuing body

Urbach, Kurt (T-2), Translator

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

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

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

[Image\(s\)](#)

Weickmann, Ludwig, Author

Brav, Max, Dr., Translator

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

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

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

[Image\(s\)](#)

Kurzweg, Dr. (WVA), Author

Eber (WVA), Author

Herrmann, B. (WVA), Author

Wasserbau-Versuchsanstalt (WVA), Issuing body

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

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

[Image\(s\)](#)

Wegener, Dr. (WVA), Author

Eckert, Dipl.-Ing. (WVA), Author

Wasserbau-Versuchsanstalt (WVA), Issuing body

Unidentified translation of Wegener and Eckert, "Forschungs-berichte 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 Turbo-jet Engines), January 1946

12 Frames

[Image\(s\)](#)

Heinkel (Aircraft manufacturer), Issuing body

Schach, P. (AEL), Translator

Lowry, William J., LTJG, USNR, Editor

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

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

[Image\(s\)](#)

Jaeckel, H, Translator

Lowry, William J., LTJG, USNR, Editor

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

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

[Image\(s\)](#)

Hirth-Motoren, Issuing body

Schach, P. (AEL), Translator

Michael, W. F. (AEL), Translator

Martin, A. W. (AEL), Editor

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

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

[Image\(s\)](#)

Hirth-Motoren, Issuing body

Michael, W. F. (AEL), Translator

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

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

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

[Image\(s\)](#)

Goodyear Aircraft Corp, Issuing body

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

[Image\(s\)](#)

Hauk, V. (DVL), Author

Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]. Institut für Werkstofforschung, Issuing body

Skappel, Henry C. (Bell Aircraft), Translator

Bell Aircraft Corporation, Issuing body

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 Werkstofforschung 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

[Image\(s\)](#)

Prochazka, R. (Möonsmühl), Author

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

General Electric Company, Issuing body

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

[Image\(s\)](#)

Charlins, Arnold (T-2), Translator

Patek, Robert (T-2), Editor

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

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

[Image\(s\)](#)

Kutzscher, Edgar (DAL), Author

Deutschen Akademie für Luftfahrtforschung (DAL), Issuing body

Farmer, J. L. (T-2), Translator

Eberhardt, Edward, Editor

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

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

[Image\(s\)](#)

Girntke, Author

Dreyer, Reynold (T-2), Translator

Urbach, Kurt (T-2), Editor

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

AAF translation 531 [F-TS531-RE], February 27, 1946; released April 22, 1946. Translated by Reynold Dreyer from Girntke, "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

[Image\(s\)](#)

Focke-Wulf G.m.b.H. , Issuing body
Pellieux, Edmond C. (T-2), Translator
Kuhn, Brigitta (T-2), Editor

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

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

[Image\(s\)](#)

Nauber (Gotha), Author
Gothaer Waggonfabrik A.G., Issuing body
Schmerler, Julius (T-2), Translator
Patek, Robert (T-2), Editor

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

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

[Image\(s\)](#)

Messerschmitt AG, Issuing body
Patek, Robert (T-2), Translator

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

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

[Image\(s\)](#)

Sahliger (OFA), Author

Oberbayerische Forschungsanstalt (OFA), Issuing body

Lowry, J. (Convair), Translator

Convair (Consolidated Vultee Aircraft Corp), Issuing body

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° gepfeilten Flügel 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

[Image\(s\)](#)

Krüger, Author

Amstalden, J. N. (Curtiss-Wright), Translator

Curtiss-Wright Corporation, Issuing body

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

[Image\(s\)](#)

Brennecke, Author

Dembo, A., Translator

Curtiss-Wright Corporation, Issuing body

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

[Image\(s\)](#)

Becker (German avionics), Author

Schulze-Schwanebrügge (German avionics), Author

Holm, Elsa (T-2), Translator

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

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

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

[Image\(s\)](#)

Messerschmitt AG, Issuing body

DeVellier, Ella H. (T-2), Translator

Kuhn, Brigitta (T-2), Editor

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

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

[Image\(s\)](#)

Sissingh, Gerhard (AVA Göttingen), Author

Aerodynamische Versuchsanstalt Göttingen E.V., Issuing body

Spiegelman, Regina (T-2), Translator

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

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

AAF translation 510, February 1, 1946; released March 30, 1946. Translated by Regina Spiegelman from Gerhard Sissingh, "Luft und Massenkraft bei Steilschrauben mit Schranäggelenk," AVA report, January 19, 1944.

Reel 8, Item 21

CGD-247 : Light-metal Neral Radiators, February 15, 1946

8 Frames

[Image\(s\)](#)

Technischen Hochschule Aachen. Aerodynamisches Institut, Issuing body

Spiegelman, Regina (T-2), Translator

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

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

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

[Image\(s\)](#)

Zeiss-Aerotopograph G.m.b.H. (Jena), Issuing body

Metzger, Henry (T-2), Translator

Hausknecht, Ludwik, Dr. (T-2), Editor

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

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

[Image\(s\)](#)

Girntke, Author

Dreyer, Reynold (T-2), Translator

Urbach, Kurt (T-2), Editor

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

AAF translation 530 [F-TS530-RE], prepared February 25, 1946; released march 30, 1946. Translated by Reynold Dreyer from Girntke, "Lavalfluss 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

[Image\(s\)](#)

Albring, W. (Hannover), Author

Leibiger, Irma (T-2), Translator

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

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

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

[Image\(s\)](#)

Jordan, Author

Aerodynamische Versuchsanstalt Göttingen E.V., Issuing body

Jarrick, Bluma K., Translator

United States. Navy. Office of Naval Intelligence (ONI), Issuing body

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

[Image\(s\)](#)

Cornelius (DVL), Author

Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]. Institut für Werkstoffforschung, Issuing body

Skappel, Henry C. (Bell Aircraft), Translator

Bell Aircraft Corporation, Issuing body

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

[Image\(s\)](#)

Haack, W. (Karlsruhe), Author

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

Curtiss-Wright Corporation, Issuing body

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

[Image\(s\)](#)

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

Translated for BuAer by the University of Michigan.

Reel 8, Item 29

CGD-256 : M E 163, Volume II - Me 163 B Airplane Manual

297 Frames

[Image\(s\)](#)

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

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
[Image\(s\)](#)
Technische Hochschule Darmstadt. Flugtechnische Fachgruppe, Issuing body
Translated by Flugtechnische Fachgruppe, Technische Hochschule Darmstadt.
- Reel 8, Item 31 CGD-259 : 37th Report on Mechanics of Flight, April 1946
25 Frames
[Image\(s\)](#)
Fox, A. H., Dr. (General Electric, Project Hermes), Translator
General Electric Company, Issuing body
General 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
[Image\(s\)](#)
Eck, Dr., Author
Aerodynamische Versuchsanstalt Göttingen. Institut für Kälteforschung (Institute for Low Temperature Research), Issuing body
Tribus, Myron (T-2), Translator
Leibiger, Irma (T-2), Editor
United States. Army Air Forces. Air Materiel Command. Air Documents Division (T-2), Issuing body
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 Kälteforschung, 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
[Image\(s\)](#)
Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]. Institut für Seeflugwesen, Issuing body
Stevens Institute of Technology, Issuing body
United States. Navy. Bureau of Aeronautics [BuAer], Issuing body
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
[Image\(s\)](#)
Sottorf, W., Author
Pott, W., Author
Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL]. Institut für Seeflugwesen,
Issuing body
Stevens Institute of Technology, Issuing body
United States. Navy. Bureau of Aeronautics [BuAer], Issuing body
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
[Image\(s\)](#)
Eckert, B. (FKFS), Author
Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren Stuttgart [FKFS],
Issuing body
Bechle, Erwin, Translator
Davis, Hunt, Editor
United States. Navy. Bureau of Ships [BuShips], Issuing body
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
[Image\(s\)](#)
Eckert, B. (FKFS), Author
Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren Stuttgart [FKFS],
Issuing body
Banse, Heinrich, Translator
Davis, Hunt, Editor
United States. Navy. Bureau of Ships [BuShips], Issuing body
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

[Image\(s\)](#)

Eckert, B. (FKFS), Author

Pflüger, F., Author

Weinig, F (FKFS), Author

Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren Stuttgart [FKFS],
Issuing body

Fickert, Author

Weekley, W. G., Translator

Wright Aeronautical Corporation, Issuing body

Bodmer, J. E., Translator

Precision Development Company, Issuing body

United States. Navy. Bureau of Ships [BuShips], Issuing body

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 Nabenverhältnisses 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

[Image\(s\)](#)

Eckert, B. (FKFS), Author

Mlaker, S., Author

Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren Stuttgart [FKFS],
Issuing body

Moeck, E., Author

Schilhansl, M., Author

Lilienthal-Gesellschaft, Issuing body

Ulrich, Ewald, Translator

Weiler, R., Editor

Adams, R. L., LCDR, USNR, Editor

Westinghouse Electric Corporation, Issuing body

Schneider, Translator

Doll, Walter, Editor

Lepper, B. A., LTJG, Editor

Hardigg, James S., Editor

United Aircraft Corporation. Pratt & Whitney Aircraft Division, Issuing body

United States. Navy. Bureau of Ships [NavShips], Issuing body

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

- Part A : B. Eckert and S. Mlaker, "Manufacture of the Blades for Axial 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

[Image\(s\)](#)

Weinig, F (FKFS), Author

Eckert, B. (FKFS), Author

Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren Stuttgart [FKFS],
Issuing body

Weekley, W. G., Translator

Wright Aeronautical Corporation, Issuing body

United States. Navy. Bureau of Ships [BuShips], Issuing body

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

[Image\(s\)](#)

Eckert, B. (FKFS), Author

Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren Stuttgart [FKFS],
Issuing body

Bodmer, J. E., Translator

Precision Development Company, Issuing body

United States. Navy. Bureau of Ships [BuShips], Issuing body

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

[Image\(s\)](#)

Kuhl, H, Author

Schmidt, Fritz A. F., Author

Deutsche Versuchsanstalt für Luftfahrt E.V. [DVL], Issuing body

Weekley, W. G., Translator

Wright Aeronautical Corporation, Issuing body

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

United States. Navy. Bureau of Ships [NavShips], Issuing body

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 Aeronautical Corp) for AEL from "Bericht über den Teil der Arbeiten der Deutschen Versuchsanstalt für 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

[Image\(s\)](#)

Hagen, H., Author

Lilienthal-Gesellschaft, Issuing body

Senger, Author

Goessnitz, V., Translator

Bechle, Erwin, Translator

Gardiner, F. J., ENS, USNR, Editor

Morrison, Reeves, Editor

United States. Navy. Bureau of Ships [BuShips], Issuing body

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

[Image\(s\)](#)

Eckert, B. (FKFS), Author

Weinig, F (FKFS), Author

Kobel, W, Author

Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren Stuttgart [FKFS],
Issuing body

Ulrich, Ewald, Translator

Smith, C. W., Editor

General Electric Company, Issuing body

Koch, Adalbert, Translator

Fabian, G. J., Editor

Chrysler Corporation, Issuing body

Bechle, Erwin, Translator

Shearer, R. L., Editor

Allis-Chalmers Manufacturing, Issuing body

United States. Navy. Bureau of Ships [BuShips], Issuing body

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
[Image\(s\)](#)
Eckert, B. (FKFS), Author
Bayerische Motoren Werke, Recipient
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
[Image\(s\)](#)
Gallwitz, Uto, Major General Dr.Ing., Author
California Institute of Technology, Issuing body
United States. Navy. Bureau of Ordnance (BuOrd; NavOrd), Issuing body
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
[Image\(s\)](#)
Kurzweg, Dr. (WVA), Author
Wasserbau-Versuchsanstalt (WVA), Issuing body
Tegge, A. R. (Curtiss-Wright Corp), Translator
Larrabee, E. E. (Curtiss-Wright Corp), Editor
Curtiss-Wright Corporation, Issuing body
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

[Image\(s\)](#)

Eber (WVA), Author

Wasserbau-Versuchsanstalt (WVA), Issuing body

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

Larrabee, E. E. (Curtiss-Wright Corp), Editor

Curtiss-Wright Corporation, Issuing body

Curtiss-Wright Corp report U-5, June 11, 1946. Translated by A. R. Tegge from Eber, "Berechnung der Dänenwandtemperaturen," 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

[Image\(s\)](#)

Eber (WVA), Author

Wasserbau-Versuchsanstalt (WVA), Issuing body

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

Larrabee, E. E. (Curtiss-Wright Corp), Editor

Curtiss-Wright Corporation, Issuing body

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

[Image\(s\)](#)

Eber (WVA), Author

Wasserbau-Versuchsanstalt (WVA), Issuing body

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

Larrabee, E. E. (Curtiss-Wright Corp), Editor

Curtiss-Wright Corporation, Issuing body

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

[Image\(s\)](#)

Eber (WVA), Author

Wasserbau-Versuchsanstalt (WVA), Issuing body

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

Larrabee, E. E. (Curtiss-Wright Corp), Editor

Curtiss-Wright Corporation, Issuing body

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

[Image\(s\)](#)

Ruden, P., Author

Technische Hochschule Hannover. Institut für Aeromechanik und Flutechnik, Issuing body

Teutsch, Kurt, Translator

Curtiss-Wright Corporation, Issuing body

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

[Image\(s\)](#)

Koenig, Frederick A, (Chance Vought), Translator

Chance Vought Aircraft, Issuing body

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

[Image\(s\)](#)

Strauss, E. (DVL), Author

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

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

Curtiss-Wright Corporation, Issuing body

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

[Image\(s\)](#)

Sissingh, Gerhard (AVA Göttingen), Author

Aerodynamische Versuchsanstalt Göttingen. Institute for Unsteady Flow, Issuing
body

Kellett Aircraft Corporation, Issuing body

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

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

[Image\(s\)](#)

Sissingh, Gerhard (AVA Göttingen), Author

Aerodynamische Versuchsanstalt Göttingen. Institute for Unsteady Flow, Issuing
body

Gail, A. (McDonnell), Translator

McDonnell Aircraft Corporation, Issuing body

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

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

[Image\(s\)](#)

Hansen, M., Author

Aerodynamische Versuchsanstalt Göttingen. Institut Windkanäle, Issuing body

Lowry, J. (Convair), Translator

Convair (Consolidated Vultee Aircraft Corp), Issuing body

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

[Image\(s\)](#)

Wagner, C., Author

Technischen Hochschule Darmstadt. Institut für Anorganische und Physikalische Chemie, Issuing body

Lotsof, J., Translator

Cornell Aeronautical Laboratory, Issuing body

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

[Image\(s\)](#)

Koenig, Frederick A, (Chance Vought), Translator

Chance Vought Aircraft, Issuing body

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

[Image\(s\)](#)

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

Project Hermes, Issuing body

General Electric Company, Issuing body

United States. Army. Ordnance Department, Issuing body

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

[Image\(s\)](#)

Hohenemser, K., Author

Anton Flettner G.m.b.H. (Germany), Issuing body

G & A Aircraft Corporation, Issuing body

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

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

[Image\(s\)](#)

Peucker, Dipl.Ing., Author

Wasserbau-Versuchsanstalt, Kochelsee GmbH [WVA], Issuing body

Neuman, V., Dr., Translator

United States. Navy. Naval Ordnance Lab [NOL], Issuing body

NOL Memorandum 8603, July 15, 1946. Translated by V. Neuman from Peucker,
"Optischer Ultrarot-Annäherungszunder," WVA archiv 66/185, May 19, 1945.