



Smithsonian
National Air and Space Museum

Captured German Technical Documents
(Technical Intelligence Center Film), 1941-1946

Paul Silbermann

2011

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Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Captured German Technical Documents (Technical Intelligence Center Film)
Identifier:	NASM.XXXX.0409
Date:	1941-1946
Extent:	2 microfilm reels
Creator:	United States. Navy Germany
Language:	English
Summary:	This collection consists of microfilmed translations of documents which were captured in Germany and compiled and microfilmed by the US Navy. The documents cover a variety of topics including long-range bombers, aircraft propulsion, infrared research, optics, turbomachines, flutter research, torpedoes, radar, as well as other technical topics.

Administrative Information

Acquisition Information

United States Navy, unknown, unknown, NASM.XXXX.0409, unknown

Processing Information

Arranged, described, and encoded by Paul Silbermann, 2018.

Preferred Citation

Captured German Technical Documents (Technical Intelligence Center Film), Acc. XXXX.0409, National Air and Space Museum, Smithsonian Institution.

Restrictions

No restrictions on access

Conditions Governing Use

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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 consists of two rolls of microfilm containing translations of documents which were captured in Germany and compiled and microfilmed by the US Navy.

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

The documents in this collection were all assigned document numbers by the Navy prior to microfilming. Unfortunately the system used to create these numbers is not known, but it is a three-part system consisting of one alphabetic character and two numeric groups. The alphabetic character seems to be a general subject code, which appears to be as follows:

- A** Aeronautics or Aerodynamics
- E** Electronics
- M** Metallurgy or Materials
- O** Ordnance

The first numeric group appears to be a sequential number and the second numeric group the last two digits of the year in which the document was cataloged. Thus document number A 3074 46 would relate generally to aeronautics or aerodynamics and was either the 3074th document cataloged overall in 1946 or the 3074th aeronautics document cataloged in 1946.

This collection consists of short (one document long) strips of 35mm microfilm compiled into two 100 foot rolls. The origin of this compilation is not known, and there is no apparent order to the compilation. The microfilm roll listing which follows lists the documents in the order they appear in the compilation.

Names and Subject Terms

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

Subjects:
Aeronautics

Aeronautics, Military
Airplanes -- Germany
Airplanes -- Motors
Bombers
Infrared equipments
Radar
Torpedoes
World War, 1939-1945

Types of Materials:

Microfilms

Container Listing

- Roll 1, Item 1 E 709 45 : Notes on the Development of a Small Electrostatic Induction Machine
(for Infra-Red Converters), 1945-08-08
10 Frames
[Image\(s\)](#)
Translation TLI-31, Technical Liaison Division (Headquarters, Theater Service
Forces, European Theater).
- Roll 1, Item 2 O 54 45 : Inventions, 1945-07-19
12 Frames
[Image\(s\)](#)
Memo regarding several inventions by Andor Juhasz.

Report E-13, Special Intelligence Exploitation Section (Allied Commission for
Austria (British Element)).
- Roll 1, Item 3 M 67 45 : Testing of Aluminum Castings
6 Frames
[Image\(s\)](#)
By Dr. D. von Zeerleder, *Die Giesserei*, 9 Jan 1942, pp.7-10; translated by M. G.
Davies.

R.T.P. Translation No. 2518, Ministry of Aircraft Production (Great Britain).

Enclosure (M) to NAA London report A1267-45, 1945-09-06.
- Roll 1, Item 4 E 638 46 : Tempering Lead Sulphide Layers for Infra-Red Sensitivity, 1945-08-20
5 Frames
[Image\(s\): E 638 46 : Tempering Lead Sulphide Layers for Infra-Red Sensivity](#)
Electronics Intelligence Report No.21/45, Headquarters, United States Strategic
Forces in Europe (Rear).
- Roll 1, Item 5 A 442 45 : A Rocket Drive for Long-Range Bombers, 1944-08
88 Frames
[Image\(s\)](#)
By E. Sanger and I. Bredt.

Radio Research Laboratory (Harvard University) report; translator's name
illegible.
- Roll 1, Item 6 O 356 45 : Repair of Damage to Armor Structures, 1945-07-12
24 Frames
[Image\(s\)](#)
Combined Intelligence Objectives Subcommittee report by John F. Randall.

Enclosure (M) to ComNaveu report X2178.

- Roll 1, Item 7 A 185 45 : The Lorin Nozzle for Aircraft Propulsion
8 Frames
[Image\(s\)](#)
Focke-Wulf G.m.b.H. report; translated by L. J. Goodlet.
R.T.P. Translation No. 2503, Ministry of Aircraft Production (Great Britain).
Document filmed backwards.
- Roll 1, Item 8 E 699 45 : Report on Quartz Clocks and Frequency Measuring Equipment in the
High Frequency Laboratory, 1945-08-14
28 Frames
[Image\(s\)](#)
Original report by Dr. V. Adelsberger, Physikalisch-Technische Reichsanstalt.
Translation TLI-33, Technical Liaison Division (Headquarters, Theater Service
Forces, European Theater).
- Roll 1, Item 9 E 732 45 : Investigation [?] of High Frequency and High Ohm Resistance by
Means of Cathode Spraying
9 Frames
Enclosure (O) to NAA London report A1267-45, 1945-09-06.
First page mostly illegible.
- Roll 1, Item 10 M 68 45 : The Role of Inhibitors in the Electrolytic Precipitation of Metals, Part
II : The Secondary Effects of High-Molecular Inhibitors with Relatively-High
Occupation Density
17 Frames
[Image\(s\): M 68 45 : The Role of Inhibitors in the Electrolytic Precipitation
of Metals, Part II – The Secondary Effects of High-Molecular Inhibitors with
Relatively-High Occupation Density](#)
By H. Fischer, *Kolloid-Zeitschrift* 106, 1 (January 1944) : 50-62; translated by L.
Fusier.
R.T.P. Translation 2317 [?], Ministry of Aircraft Production (Great Britain).
Enclosure (L) to NAA report A1267-45, 1945-09-06
- Roll 1, Item 11 E 585 45 : German Contributions to the Problem of Bomb Control by Television,
1945-07-25
18 Frames
[Image\(s\)](#)
Original report by A. Gertloff, Deutsche Forschungsanstalt für Segelflug "Ernst
Udet"
Translation TLI-29, Technical Liaison Division (Headquarters, Theater Service
Forces, European Theater).
- Roll 1, Item 12 A 4474 46 : On the Transformations of the Wave Equation in Itself, 1946-07-23

- 15 Frames*
[Image\(s\)](#)
Interogation of Wielandt, Aerodynamische Versuchsanstalt Göttingen E.V.
File B.I.G.S. 49, Joint Intelligence Objectives Agency.
- Roll 1, Item 13 A 4423 46 : Short Description of the Most Important Testing Equipment of the
A.V.A., 1946-07-23
42 Frames
[Image\(s\)](#)
File B.I.G.S. 52, Joint Intelligence Objectives Agency.
- Roll 1, Item 14 M 1365 46 : Optical Instrument – Camera, Magnifying, Micro-time – German,
1946-07-23
77 Frames
[Image\(s\)](#)
By ENS J. A. Stoops, Preliminary Report Optical-265, Foreign Ordnance
Receiving Depot (Ordnance Investigation Laboratory, Naval Powder Factory).
- Roll 1, Item 15 M 1362 46 : Translation of German Documents on the Development of Iron
Catalysts for the Fischer-Tropsch Synthesis II, 1946-04
80 Frames
[Image\(s\)](#)
Report by Max Leva and H. V. Atwell for the United States Bureau of Mines.
- Roll 1, Item 16 O 3405 46 : Shadow Recorder for Determining the Pistol Activation Point,
1942-05
9 Frames
[Image\(s\)](#)
Translation of Bittel, "Schallenstrichregistriergerät zur Zundortsbestimmung
Nach TnV 42"
Technical Translation No.43, Torpedo Experimental Establishment (Royal Navy).
Enclosure (A) to ComNaveu report X2730.
- Roll 1, Item 17 O 3569 46 : Model of Triaxial Steering by Martin Didgen, Travemünde,
1945-09-01
34 Frames
[Image\(s\)](#)
Translation of PG/41771/N.I.D.
Enclosure (A) to ComNaveu report X2822
- Roll 1, Item 18 O 3330 46 : The Scanning Transducer (Schwenkstorch), 1944-08
24 Frames
[Image\(s\)](#)
Translation of G. Steinhamp, "Bericht Über Schwenkstorch." PG/22780 Vortrag
20

Technical Translation No.24, Torpedo Experimental Establishment (Royal Navy).

Enclosure (A) to ComNaveu report X2706.

Roll 1, Item 19

O 3404 46 : A Review of the Optical Pistol Leuchtfisch, 1945-08
4 Frames

[Image\(s\)](#)

Translation of Bath, "Beschreibung des Leuchtfisch." PG/42332

Technical Translation No.34, Torpedo Experimental Establishment (Royal Navy).

Enclosure (A) to ComNaveu report X2731.

Roll 2, Item 1

A 3074 46 (A) : Summary of the Theory and Construction of a Rational
Gasturbine
30 Frames

[Image\(s\)](#)

By Ludolf Ritz, Institute for Thermodynamics, Aerodynamische Versuchsanstalt
Göttingen.

M.A.P. Völkenrode reference MAP-VG-1T

Enclosure (A) to NAA London Report A487-46, 1946-04-24.

Roll 2, Item 2

A 3074 46 (B) : Report Upon the Activity of the Institute for Flight Research
14 Frames

[Image\(s\)](#)

M.A.P. Völkenrode reference MAP-VG-2T

Enclosure (B) to NAA London report A487-46, 1946-04-24.

Roll 2, Item 3

A 3074 46 (C) : Report Upon the Work of the Institute for Turbomaschines
15 Frames

[Image\(s\)](#)

M.A.P. Völkenrode reference MAP-VG-3/T

Enclosure (C) to NAA London report A487-46, 1946-04-24.

Roll 2, Item 4

A 3074 46 (D) : Review Upon the Work of the Institute for High Speed Research
in the Aerodynamische Versuchsanstalt Göttingen, 1945-06-25
22 Frames

[Image\(s\)](#)

M.A.P. Völkenrode reference MAP-VG-4T

Enclosure (D) to NAA London report A487-46, 1946-04-24.

Roll 2, Item 5

A 3074 46 (E) : Upon the Position of Shock Wave on Profiles in a Flow
7 Frames

[Image\(s\)](#)

Discourse by Albert Betz before the Deutsche Akademie der Luftfahrtforschung,
1943.

- M.A.P. Völkenrode reference MAP-VG-5T.
Enclosure (E) to NAA London report A487-46, 1946-04-24.
- Roll 2, Item 6 A 3074 46 (F) : Short Description of the Most Important Testing Equipment of the
A.V.A.
41 Frames
[Image\(s\)](#)
M.A.P. Völkenrode reference MAP-VG-6T.
Enclosure (F) to NAA London report A487-46, 1946-04-24.
- Roll 2, Item 7 A 3074 46 (G) : Report Upon the War Work of the Institute for the Development
of Instruments (Kemper) and of the Department for Measuring Instruments
(Betz-Klein)
2 Frames
[Image\(s\)](#)
M.A.P. Völkenrode Ref: MAP-VG-7T.
Enclosure (G) to NAA London report A487-46, 1946-04-24.
- Roll 2, Item 8 A 3074 46 (H) : Influence of the Elasticity of Gases on the Effect of Cascades of
Vanes
13 Frames
[Image\(s\)](#)
By Albert Betz; a contribution to the festive publication of the German Academy
for Aeronautical Research for the 70th birthday of Prof. Prandtl.
M.A.P. Völkenrode reference MAP-VG-8T.
Enclosure (H) to NAA London report A487-46, 1946-04-24.
- Roll 2, Item 9 A 3074 46 (I) : On the Transformation of the Wave Equation in Itself
13 Frames
[Image\(s\)](#)
Original by Wielandt, Institute for Unsteady Flow, Aerodynamische
Versuchsanstalt Göttingen.
M.A.P. Völkenrode reference MAP-VG-9T.
Enclosure (I) to NAA London report A487-46, 1946-04-24.
- Roll 2, Item 10 A 3074 46 (J) : The Boundary-effect in a Wind-tunnel of Circular Cross-section
Containing a Surface of Discontinuity
10 Frames
[Image\(s\)](#)
Original by Vandrey.
M.A.P. Völkenrode reference: VG-16T
Enclosure (J) to NAA London report A487-46, 1946-04-24.

- Roll 2, Item 11 A 3074 46 (K) : An Exact Solution of Possio's Integral Equation for the Case of an Airfoil with a Forwardly Infinite Chord (Contributions to the Unsteady Airfoil Theory XII)
17 Frames
[Image\(s\)](#)
Original report by Wielandt, Institute for Unsteady Flow, Aerodynamische Versuchsanstalt Göttingen.

M.A.P. Völkenrode reference MAP-VG20-13T

Enclosure (K) to NAA London report A487-46, 1946-04-24.
- Roll 2, Item 12 A 3074 46 (L) : 4 Years' Flutter Research
23 Frames
[Image\(s\)](#)
Original report by Jordan, Institute for Unsteady Flow, Aerodynamische Versuchsanstalt Göttingen.

M.A.P. Völkenrode reference: MAP-VG24-15T.

Enclosure (L) to NAA London report A487-46, 1946-04-24.
- Roll 2, Item 13 A 3074 46 (M) : On the Burning in Fast Streaming Air (Experiments in the Combustion Chamber)
9 Frames
[Image\(s\)](#)
Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen, report UM 6626 by K. Wieghardt.

M.A.P. Völkenrode reference MAP-VG35-14T.

Enclosure (M) to NAA London report A487-46, 1946-04-24.
- Roll 2, Item 14 A 3074 46 (N) : Electric Ray
8 Frames
[Image\(s\)](#)
By J. J. Henrici.

M.A.P. Völkenrode reference MAP-VG38-12T

Enclosure (N) to NAA London report A487-46, 1946-04-24.
- Roll 2, Item 15 A 3074 46 (O) : Butterfly Hs 117
17 Frames
[Image\(s\)](#)
By J. J. Henrici.

M.A.P. Völkenrode reference MAP-VG39-18T

Enclosure (O) to NAA London report A487-46, 1946-04-24.

- Roll 2, Item 16 A 3074 46 (P) : Investigations to the Improvement of Efficiency of Muzzle Brakes, Part III, 1945-03
26 Frames
[Image\(s\)](#)
Original report by K. Oswatitsch and W. Rothstein, Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen.

M.A.P. Völkenrode reference MAP-VG42-10T

Enclosure (P) to NAA London report A487-46, 1946-04-24.
- Roll 2, Item 17 A 3074 46 (Q) : The Influence of Friction on Steady Diffuser Flows at High Speed, 1945-10
20 Frames
[Image\(s\)](#)
M.A.P. Völkenrode reference MAP-VG48-110T

Original text by H. Böhm and M. Koppe, Kaiser-Wilhelm-Institut für Strömungsforschung, Göttingen.

Enclosure (Q) to NAA London report SA487-46, 1946-04-24.
- Roll 2, Item 18 A 3074 46 (R) : The Stability of Two Dimensional Laminar Flow with Pressure Drop and Pressure Rise, 1946-01-15
62 Frames
[Image\(s\)](#)
Translation of J. Pretsch, Aerodynamische Versuchsanstalt Göttingen, "Die Stabilität Einer Ebenen Laminarströmung bei Druckgefälle und Druckanstieg," *Jahrbuch 1941 d. deutschen Luftfahrtforschung*, I, 158-175.

Reports and Translations No.22.

M.A.P. Völkenrode reference MAP-VG52-22T.

Enclosure (R) to NAA London report A487-46, 1946-04-24.
- Roll 2, Item 19 A 3074 46 (S) : Transition Start and Suction, 1945-12-15
26 Frames
[Image\(s\)](#)
Translation of J. Pretsch, Aerodynamische Versuchsanstalt Göttingen, "Umschlagbeginn und Absaugung," *Jahrbuch d. deutschen Luftfahrtforschung 1924*, S.I, 1-75.

Reports and Translations No.17.

M.A.P. Völkenrode reference MAP-VG53-1722T

Enclosure (S) to NAA London report A487-46, 1946-04-24.
- Roll 2, Item 20 A 3074 46 (T) : Solutions of the Classical Wave Equation for Moved Sources, 1946-01-01

26 Frames

[Image\(s\)](#)

Translation of Aerodynamische Versuchanstalt Göttingen report UM 3217, "Lösung der Klassischen Wellengleichung für bewegte Quellen," by H. G. Küssner, 1945.

Reports and Translations No.26.

M.A.P. Völkenrode reference MAP-VG65-26T.

Enclosure (T) to NAA London report A487-46, 1946-04-24.

Roll 2, Item 21

A 3074 46 (U) : A Correction Term for Prandtl's Rule, 1946-01-31

5 Frames

[Image\(s\)](#)

By E. Krahn.

Reports and Translations No.21.

M.A.P. Völkenrode reference MAP-VG-79-21T.

Enclosure (U) to NAA London report A487-46, 1946-04-24.

Roll 2, Item 22

O 3259 46 : Adaptation of Mine Detector Principles to Proximity Fuse for Rockets, Glider Bombs Etc, 1945-07-08

12 Frames

[Image\(s\)](#)

Translation of Deutsche Forschungsanstalt für Segelflug (DFS) "Ernst Udet" report HEC/5409/2 Rü by Dr. H. Weller, 1944-04-03.

Translation TLI-25, Intelligence Branch, Technical and Liaison Division, United States Forces European Theater.

Enclosure (B) to unspecified ComNaveu report.

Roll 2, Item 23

E 899 45 : Portable Equipment for Industrial Radiology, 1941-03-20

8 Frames

[Image\(s\)](#)

Translated from article by E. A. W. Müller, *Elektrotechnische Zeitschrift* 62, no.12 (March 20, 1941) : 305-308.

R.T.P./T.I.B. Translation 2589, Ministry of Aircraft Production (Great Britain).

Roll 2, Item 24

E 578 46 : Elektra-Sonne, 1945-07-17

59 Frames

[Image\(s\)](#)

Translation of Lorenz Description and Operating Instructions for Sonne 8 HF-Rack 111.

Air Scientific Intelligence Technical Translation No.10, Air Ministry (Great Britain).

ComNaveu report X-2006, 1945-08-14.

Roll 2, Item 25

E 1344 45 : Report on Underwater Location Methods, 1945-05-22
5 Frames

[Image\(s\)](#)

Translation of report by Walter Brandt.

A.T.R. Translation No.316, Department of Scientific Research and Experiment,
Admiralty (Great Britain).

ComNaveu report X-3373, 1945-11-23.

Roll 2, Item 26

[no number] : Calculation of the Effective Length of a Line Element of Current in
a Distorted D.C. Field, 1945-01-11

3 Frames

[Image\(s\)](#)

Translation of report IM/Dal/Lg, Mathematical Section, Blücher Works.

Roll 2, Item 27

E 534 46 : Annual Report on the Work on Underwater Location
20 Frames

[Image\(s\)](#)

A.T.R. Translation No.317, Department of Scientific Research and Experiment,
Admiralty (Great Britain) (3 frames). Includes three appended translations:

- Max Müller, "Experimental Investigation of the Propagation of Electric Alternating Currents in Sea-water," 1944-12. (6 pages)
- Thoma and H. Dalicho, "Propagation of Electromagnetic Waves of Very Low Frequency in Conducting Media (Sea-water)." Liegnitz Laboratory Report No.2447/447, 1943-11-25. (10 pages)
- Brandt, "Calculation of the Secondary Field of Spherical and Ellipsoidal Disturbing Bodies at the Transmitting Point of the Primary Field in a Conducting Medium (sea-water), with Special Regard to Location Problems," Laboratory Report, 1944-05-11. (1 page)

ComNaveu report X-974.

Roll 2, Item 28

A 143 46 : The 'Turri 43' Parachute, 1945-07-26
2 Frames

[Image\(s\)](#)

R.T.P. Translation 2548, Ministry of Aircraft Production (Great Britain) by L.
Fusier.

Enclosure (A) to NAA London report A1840-45, 1945-11-29.

Roll 2, Item 29

E 122 46 : List of Electronic Valves Authorized for Use in Recent Developments
in Signals and Telecommunications Equipment (as at 3.6.44.)

8 Frames

[Image\(s\)](#)

Translated Extract from a German Naval File.

Report A.I.12/USAFE/TE.23.

- Roll 2, Item 30 O 1726 45 : German Whisker Pistol PI G7a AZ, ca.1945
30 Frames
[Image\(s\)](#)
ONI report based on a study of the T.V.A. Eckernförde publication "Battle-Pistol G7a (also G7e) with Percussion-Ignition (PI G7a also G7e A-Z) (Provisional Description and Operational Instructions with Drawings)," 1940-12.
- Roll 2, Item 31 O 1603 46 : Underwater Material – Their Operation – Sweeping Equipment and Obstructions. Quadrimestral Report of Experiments Underway, Booklet III, 1942-04-30
29 Frames
[Image\(s\)](#)
- Roll 2, Item 32 O 1602 46 : Underwater Mines and Explosives – Their Use – Equipment Sweeping and Obstructions. Quarterly Reports of Experiments in Progress, Booklet III, 1942-12-31
52 Frames
[Image\(s\)](#)
- Roll 2, Item 33 O 1600 46 : Underwater Equipment and Their Use. Mine-sweeping Materials and Obstructions, 1942-08-31
33 Frames
[Image\(s\)](#)
- Roll 2, Item 34 [no number] : German Torpedo Motor Fluid (Ingoline)
13 Frames
[Image\(s\)](#)
Navy ALSOS report by Capt. W. P. Roop.

Report no. 326, Office of the Publication Board (United States Department of Commerce).
- Roll 2, Item 35 O 684 46 : [report relating to torpedo development; title illegible]
9 Frames
- Roll 2, Item 36 O 658 46 : Changing of the Operate Difference of Amsel 4 d
7 Frames
[Image\(s\)](#)
Translation of Dipl. Ing. Aulock, TVA Gotenhafen, "Die Umschaltung der Ansprechdifferengun der Amsel 4d."

Technical Translation No. 11, Torpedo Experimental Establishment, Royal Navy Torpedo Factory, Greenock.
- Roll 2, Item 37 O 406 46 : Programs of the Noiseless Torpedo Project
8 Frames
[Image\(s\)](#)
Translation of PG/22777a/NID/Lecture 14, Germany Admiralty.

Enclosure (1) to report R-6159-45, Military Attaché, London, 1945-12-19
(A.IT.12/USAFE/T.E.38)

Roll 2, Item 38

O 331 46 : Remote-Controlled Torpedoes and the Requirements of Their
Propulsion Units
15 Frames

[Image\(s\)](#)

Translation of PG/22777B/Lecture 7, German Admiralty.

Enclosure (1) to report R-6053-45, Military Attaché, London, 1945-12-07 (A.I.12/
USAFE/T.E.32)

Roll 2, Item 39

O 1943 46 : Instructions for the Use and Adjustment of Theodolite 40,
1946-03-01
35 Frames

[Image\(s\)](#)

Translated from the German.

Report A8-2(3)/JJ46 (BXB 96991), Naval Proving Ground Dahlgren.

Roll 2, Item 40

E 229 46 : Investigations of the Line Interference Occurring in Television
Transmissions Between Aircraft and Hs 293 D
20 Frames

[Image\(s\)](#)

Partially illegible.

Roll 2, Item 41

M 407 46 : *Comptes Rendus (Doklady) de l'Académie des Sciences de l'URSS*
34, no.3, 1942
38 Frames

[Image\(s\)](#)

includes:

- Sokolovsky, W. "On the Stability of Slopes."
- Kornilov, I. and Minz, R. Diagram : "Composition-Thermostability of the Ternary Solid Solution of Iron-Chromium-Aluminum Alloy."
- Polessitsky, A., Jastchenko, M. and Baranchik, N. "On the Equivalence of Chemical Bonds of Polyvalent Atoms."
- Balandin, A. A., Patrikeyev, V. V. "Carbon Deposition in the Decomposition of Ethylbenzene on Metal Surfaces and the Study of this Process by Means of a Photoelement."
- Theodorovich, G. I. "On the Nature of Ishimbaevo Massifs and the Prospecting for New Oil-Fields of this Type."
- Lungersgausen, L. "The Triassic Stratigraphy of the Donetz Ridge."
- Kreps, E. and Chenyakaeya, E. "Carbon Anhydrase in Crustaceans."

Roll 2, Item 42

A 138 46 : Investigations in Experimental Rotors for Axial Fans
16 Frames

[Image\(s\)](#)

Translation of report by W. Encke, Aerodynamic Experimental Institute,
Göttingen E.V., April 19442.

R.T.P. Translation No. 2542, Ministry of Aircraft Production (Great Britain).

Enclosure (E) to NAA London report A-1540-45 [?]

- Roll 2, Item 43 E 579 46 : Brief Introductory Description of Radar Search Receiver Gear Fu M B
(former covername "NAXOS")
18 Frames
[Image\(s\)](#)
Originally published September 1943 by Telefunken Wireless Telegraph
Company.

Translated by OP 20 GL-A, 1944-11-08.
- Roll 2, Item 44 E 1378 45 : Broadband Rehbock U5
14 Frames
[Image\(s\)](#)
Translation of German document.

Intelligence Report RAD-14, Technical Liaison Division (Headquarters, Theater
Service Forces, European Theater), 1945-11-10.
- Roll 2, Item 45 M 87 46 : Translation of "Richtlinien über das Verhalten bei Abregnen von
Brandmitteln aus Flugzeugen" [dated 11.2.44] (Reg. No. PG/6996/NID)."
4 Frames
[Image\(s\)](#)
German document dated 1944-11-02. Translated title: "Directions for procedure
against spraying with incendiary materials from aircraft."

Enclosure (A) to report X1975-S-44.
- Roll 2, Item 46 O 951 46 : German Docket on Blooming of Optical Glass Surfaces for the
Reduction of Reflections. Result of a Questionnaire to Firms. Comparison of
Different Processes
21 Frames
[Image\(s\)](#)
Translation of German report dated February 1943. Translated by British Naval
Gunnery Mission, Minden, Germany.

Enclosure (A) to ComNaveu report X-171.
- Roll 2, Item 47 M 808 46 : Reports on the U.S. Government Technical Oil Mission Microfilm
Reels 39 and 40
57 Frames
[Image\(s\)](#)
Reports on review of film reels by Film Study Group, Atlantic Refining Co,
1946-02-19.
- Roll 2, Item 48 O 119 46 (A) : Interrogation of the Director General of G.A.F. Signals, MARTINI,
on Radar and the Aircraft Reporting Service

9 Frames

[Image\(s\)](#)

Translation A.I.12/USAFE/T.E.34, United States Armed Forces Europe.

Roll 2, Item 49

O 119 46 (B) : Report on British Minelaying Operations by German Experimental Barrage Detachment

8 Frames

[Image\(s\)](#)

Translation of order 139II/IV, (German) Experimental Barrage Detachment, 1945-01-11.

Translation A.I.12/USAFE/T.E.19, United States Armed Forces Europe.

Enclosure (B) to NAA London report A-1825-45, 1945-11-27.

Roll 2, Item 50

M 77 46 : The Effect of Supersonic Waves on the Solidification of Molten Metals
6 Frames

[Image\(s\)](#)

Original document by S. Sokoloff.

R.T.P. Translation [no number], Ministry of Aircraft Production (Great Britain).

Enclosure (D) to ComNaveu report A2-46, 1946-01-03.

Roll 2, Item 51

M 78 46 : The Formation of Raindrops in Purely Aqueous Clouds
6 Frames

[Image\(s\)](#)

Translation of article by W. Findeisen, W., *Meteorol. Zeitschrift*, October 1939, pp.365-368.

R.T.P. Translation No. 2866, Ministry of Aircraft Production (Great Britain).

Roll 2, Item 52

M 78 46 (E) : Examples of Radiographic Examinations in Steel Foundry
Technique
8 Frames

[Image\(s\)](#)

Translation of article by Heinz von Eckartsberg, Hubert Juretzek, and Wilhelm Mantel, *Archiv für das Eisenhüttenwesen* 12, no.11 (1938/39) : 565-569.

R.T.P. Translation No. 2569, Ministry of Aircraft Production (Great Britain).

Enclosure (E) to ComNaveu report A2-46, 1946-01-03.

Roll 2, Item 53

E 509 46 : Interim Report on the Results of Measurements Made on the 2-Base
"Komet" Installation at Ismanig
13 Frames

[Image\(s\)](#)

Translation of R. Weber, Laboratory Report No. 2/II/4, Ferdinand Braun Institute Abt. 2/I, Reichsstelle für Hochfrequenzforschung E.V., 1945-02-19.

A.T.R. Translation 296.

Enclosure (E) to ComNaveu report X429.

Roll 2, Item 54

E 89 46 : Investigation of the Infra-Red Radiation Characteristics of Aircraft,
1945-09-08

4 Frames

[Image\(s\)](#)

Summary of ZWB report by Wolfgang Pumeyer dated 1943-04-20.

Summary by Headquarters, Theater Service Forces, European Theater.

Document filmed in reverse order.

Roll 2, Item 55

E 66 46 : Report on Experiments to Locate Blast Furnaces with the Teleaction
Meter, 1945-09-21

12 Frames

[Image\(s\)](#)

Translation taken from "Bericht uber Verushe zur Anpeilung von Hochofen mit
Fernaktinometer," Deutsche Forschungsanstalt for Segelflug E.V. "Ernst Udet,"
z.Zt.Ainring No.3527, June 1944.

Translation TLT-6, Technical Liaison Section, Office of Signal Officer,
Headquarters, United Kingdom Base.

Roll 2, Item 56

O 575 46 (A) : Measuring Technique in the Development of Homing Torpedoes
18 Frames

[Image\(s\)](#)

Written by von Aschhoff, January 1945.

Technical Translation No.1, Torpedo Experimental Establishment, Royal Navy
Torpedo Factory, Greenock.

Enclosure (A) to ComNaveu report X3735.

Roll 2, Item 57

O 575 46 (B) : The Operation of the T. XI Transducers (Change Over Storch),
1945-09

6 Frames

[Image\(s\)](#)

Written by W. Lippert as "Die Wirkungsweise des Oschaltstorches" at the
request of Lt. Dawes, RNVR.

Technical Translation No.9, Torpedo Experimental Establishment, Royal Navy
Torpedo Factory, Greenock.

Enclosure (B) to ComNaveu report X3735.

Roll 2, Item 58

O 575 46 (C) : The Development of Lerch, 1945-08

13 Frames

[Image\(s\)](#)

Translation of Dipl. Ing. Forte and Dipl. Ing. Coltze, "Bericht uber die
Entwicklungsarbeiten an der Aufgabe Lerche," August 1945.

Technical Translation No.10, Torpedo Experimental Establishment, Royal Navy
Torpedo Factory, Greenock.

Enclosure (C) to ComNaveu report X3735.

Roll 2, Item 59

O 575 46 (D) : Homing Procedure for Geier Torpedoes
11 Frames

[Image\(s\)](#)

Written by Dipl. Ing. Aulock, "Berkmerkungen zu den Lenkverfahren des
Geiertorpedos," Bericht Nr.12/45 PG/22851, at the request of Lt. Cdr. Grime and
Lt. de Barr.

Technical Translation No.12, Torpedo Experimental Establishment, Royal Navy
Torpedo Factory, Greenock.

Enclosure (D) to ComNaveu report X3735.

Roll 2, Item 60

E 131 46 : Proposals for Standard Terms Connected with Homing Gear
18 Frames

[Image\(s\)](#)

Translation of R. Hosemann "Vorschlag fur Einheitliche Formelzeichen und
Bezeichnungen – Weisen Zielsuchender Geschosse," July 1944.

Technical Translation No.5, Torpedo Experiment Establishment, Royal Navy
Torpedo Factory, Greenock.

Enclosure (A) to ComNaveu report X3538.