

Charles E. Rosendahl Collection
Lighter-Than-Air

Miscellaneous Items

Archive Map Case

Clippings: USS Shenandoah 1925-30

Groundmast Wreckage: NY Times, The Boston Post, The World

CER's Speech to Scranton Chamber of Commerce 1930

USS Los Angeles 1926-28

CER to command first landing on SS Saratoga flight to Panama

Airshipper falls to his death from ropes

Graf Zeppelin 1928

Arrival Lakehurst end of Around The World Flight delay tear in fin
Hindenburg 1936-37

Arrival Lakehurst disaster

Future airplanes/disasters

USS Minneapolis 1944

Newspapers: The Bag Vet 1946-48

The Gas Valve 1918

The Glyncomber/German 1971

Haul Down and Ease Off 1947, 49, 59, 61-62, 64-67, 69-75

The Lakehurst Station Break 1958-59, 66-67

The Moffett News 1943, 1972

Naval Base Papoose, Guatanamo, Cuba 1955

Rocketeer

Starscope: USS Constellation 1961

Station Break 1960-61, 63-65, 67-71

Magazines: The Wingfoot Clan 1944

South China Morning Post 1967

Archives Map Case Graphics

Painting: Hindenburg 1936

Drawings: Jean & CER by Joe Hang Lowe

Charles E. Rosendahl by Matthew

Charles E. Rosendahl

6 (ink) specs of Surge Block Selector, Moorings, Hangars by J.L. Yoder

Engraving: Count von (G.F.) Zeppelin [And. Suckel, S.C. Nurnberg]

Etching: [Count von Zeppelin] by A. Eckener

Lay-out: America's First International Airport 1924-54

Christmas card NAS Lakehurst

Reproductions: USS Indianapolis 1930

50th Anniversary of Around The World Flight LZ-127

Balloon 1783-1810

HTA: Aircraft in Europe "Wings of Eagles" 1910-18

Barnstormers by Charles H. Hubbell 1909-29

Aircraft paintings:

By Hawkins for Airwork Corporation

By Neil MacEachern for Phillips Petroleum 1931

Calendars:

US Airships 1968

Zeppelin 1966, 67

HTA: 1920's Davis Aircraft 1971

Posters:

Warsmen in the Days of Wooden Ships & Iron Men/

USS Mohican

US Navy (5): USN 1917, USS Los Angeles, USN Jets

Plaza de Toros de Madrid (2)

Rider College, Trenton, NJ

D'Ascenzo, The Art of Stained Glass

Photograph: C-Class Blimp

Blueprints: Flagpoint, home of Jean & CER

Charts: Airship deliveries to USN: K,L,G,M Class Organization of

Bureau of Aeronautics 1943

Signal Corps Specification No. 483 (photo duplication)

Newspapers: CER in Everybody's Weekly, 1944

The Philadelphia Inquirer

Goodyear Proposed Airship 1940

**Archives Map Case
Certificates**

Cleburne High School 1910

United States of America Navy Department Appointment Midshipman 1910

U.S.A. Naval Academy Cadet Petty Officer, First Class 1913

Certificate of Promotion: Lieutenant, Jr. Grade 1917

Certificate of Promotion: Lieutenant 1920

Certificate of Promotion: Lieutenant Commander 1925

Naval order of the United States 1928

Institute of Aeronautical Sciences 1932

Certificate of Promotion: Commander 1935

The Society of Sigma Xi 1936

American Institute of Aeronautics and Astronautics 1937, 1965

United States Naval Academy, Bachelor of Science 1938

Certificates of Promotion: Captain (2) 1940

The Poor Richard Club A Resolution 1942

Rider College, Trenton, NJ, Doctor of Laws (Honorary) 1944

The Wings Club, Inc. New York City 1946

State of New York Certificate of Incorporation 1946

Moffett Airship Foundation, Inc.

State of New York Executive Chamber/John Ericsson Day 1948

Man of the Year on Sweden Day 1948

American Legion for God and Country Air Service Post 501 1948

New York Airways 1953

Allison Division of the Turbiners 1954

New York State Wing Air Force Association 1957

National Aeronautic Association 1957

U.S.N.A. Alumni Association Golden Anniversary 1964

Ocean County Aviation, Inc./Honorary Co-pilot 1965

Air Force Association Citation 1966

Society of Experimental Test Pilots 1966

Township of Dover 1967

Medallion of the Township of Dover 1967

The Helium Centennial Committee from Government and Industry 1968

The Explorers' Club 1970

The Adventurers' Club of New York 1971

Navy League of the United States 1975

Dover Township Bicentennial Commission 1976

**Archives Map Case
Certificates**

The Airship Association to J. William Middendorf, II signed CER 1976

State of New Jersey Assembly Resolution (Death of CER) 1977

The Flight Club/Northwest Orient Airlines nd

Encyclopedia Britannica nd

Aeronautic Educational Commission nd

International Adventurers Life Honorary nd

The Airship Association to J. William Middendorf

**Archives Map Case
Photographs**

Rigids: Germany: LZ-127, 129 [Mit dem Zeppelin auf grober], 2 sets

US: USS Shenandoah

Los Angeles hook-on

Akron welcome & USN banquet 1931

Macon

ZMC-2

RS-1

Blimps: US: D-3, G-1, G-8, J, K-1, K Nuclear Prototype, M, TC-5 US Army, ZPG-3W Chart

Britain: SSZ 60 & ZR 2 Crew

Japan: Taro

Carlat Corporation Dirigible Section

Control Car (Drawing)

Balloons: In air and reunions

HTA: Bombers, VN5-RD4 (Navy Bi-plane), Bowen Air Lines

Aerial View of Paris

Parachute Jumps & Riggers

NAS Lakehurst: Football team 1923, inside hangar 1923, Z. Lansdowne, CER & H. Wiley

Navy Ships pre WWI

Personal: CER, Jean, Flagpoint

Air Service Post 501: 40th Anniversary 1959

IAS Honors Night 1958

Wings Club 1943

**Archives Map Case
Scrapbook**

Scrapbook 1: 1933

From Mrs. Bud Harp 1976

USS Akron: Arrival Lakehurst and Disaster

US Navy Blimp J-3: Crash during search Akron Survivors

FDR Inaugural Ceremony

Scrapbook 2: 1957-60

Blimps: Cdr. B. Biking command of ZW-1, AEW 1959

ZPG-3W Maiden Flight 1958

Change Command: Capt. M.H. Eppes to Kelin 1959

ZW-1

USS Reliance: Crash 1960

Scrapbook 3: 1919, 1921, 1964

British Airships:

British Supremacy...Air Traffic 1919

R33, R34, R36 (passenger) 1921

R38 Explosion 1921

French:

Zodiac for U.S. Army 1921

German:

L-59 & L-64

Italian:

Roma 1922

Other:

C-7, First helium large aircraft

Anton Heinen quits government service 1964

Articles:

Waldemar Kaemffert, "Tomorrow's Airships" 1921

E.M. Maitland, "Commercial Future Airships" 1921

W. Wronsky, "Commercial Aviation...Germany" 1921

**Archive Map Case
Scrapbook**

Scrapbook 4: 1939-41

Clippers 1939-40

Shipping 1940-41

Scrapbook 5: 1936

Olympia Beilage des Berliner Tageblatt

Scrapbook 6: CER, "Five Days in the Air Aboard the Graf Zeppelin", promotional brochure

Scrapbook 7: Personal:

CER & Lt. Cdr. H.V. Wiley

Articles:

German & US Airship development

General Umberto Nobile, "Navigating the Norge...to North Pole"

Scrapbook 8: Personal:

CER

Articles:

Wolfgang Lambrech, "Zeppelin's New Airliner"

R.J. Miller, "Line Squalls" & "Aloft in a Navy Balloon"

A.E. Moore, "The Birth of the Airship"

I. Oesterblom, "Can the Airship be...Safe?"

_____, "Guessing at Airship Structures"

Scrapbook 9: 1933 from Mrs. W.C. (Millie) France 1975

USS Akron: Disaster

Admiral W.A. Moffett

Obits & Photographs: Officers

Loss of J-3

Survivors, Akron & J-3

Scrapbook 10 & 11: 1979

Photographs and photo duplication: 50th Anniversary: Around the
World Flight of Graf Zeppelin

**Archives Map Case
Scrapbook**

Other:

Folio "Fahrgastaume LZ-130," 1938-40

2 copies in German

[A proposal for 10,000,000 cu.ft. Commercial Airship]

This pictorial rendering, perhaps originally designed for a chart talk, includes materials used in the publication called America Must Be First in the Air, which was either produced by Goodyear or CER or both in a joint effort.

Scrapbook 12:

Rigid Disasters:

USS Shenandoah

USS Macon

Hindenburg

Blimps:

WWII

Parachute Marines

Disasters

Sports & Social Events

Waves learn about airships

Articles:

E.E. Burton, "Down to the Sea in Blimps"

P. Harkins, "Room for Blimps"

R.J. Picinich, Jr., "Blimps Blast Undersea Blitz"

_____, "Flying Aircraft Carriers"

_____, "Navy Balloonatics"

W.H. Randall, "LTA Pilot"

Scrapbook 13: 1943-46

Blimps:

WWII

Equipment

Disasters

K-Ship in Gibraltar

M-1 Christening

NAS Lakehurst

Wave Parachute Jumper: Lucille Rehm

Personal: CER retires

**Archives Map Case
Scrapbook**

Scrapbook 14: 1952-54, 56-57

NAS Elizabeth City

Glynco

Lakehurst

Pensacola

Training, Promotions, Transfers, Inspections, Retirement, Awards & Accidents

Scrapbook 15: 1934-36

Personal: CER

Airship potential and controversy: General Billy Mitchell, Dr. Hugo Eckener

P.W. Litchfield & CER

USS Macon: Disaster

PAA Clipper Flights

Other:

Aerology: AKAGI Ships/Weather

HTA & LTA: Fleet Air Wings and Fleet Airship Wings Historical Data, WWII,
Department of the Navy

Patents: Barrier for control of substances in bodies of water

Archives Map Case Blueprints

German Airships

Shuette & Co.

Shuette & Lanz

LZ-12

Graf Zeppelin

Graf Zeppelin Around the World Flight

NAS Lakehurst

NAS Lakehurst Art Museum

USS Shenandoah

USS Los Angeles

USS Akron

USS Macon

Schematic Layouts & Mooring Mast Proposals

Mooring Masts

Proposed Rigid Airship (Akron)

T.C. Airship; G. Whittle

NAS Lakehurst Museum

Type K Docking Cradle

Tampa Shipbuilding Co. 1945

Proposed Mooring Raft by CER 1944

Hangars

Naval Air Stations

Curtiss - Wright Propeller Division 1949, 50, 52, 56, 57

ZP3K Airship

Personnel Charts

U.S. Army Service, Ft. Omaha, NE 1919-22

Seat Balloon Basket

Details of Envelope

Carry Net

Lunch Basket

Spherical Balloons

Valve Cover

Rip Panel

Valve & Appendix Ring

**Archives Map Case
Blueprints**

ZRV Airship 1936

ZRN Airship 1938

ZPG-2

G-Airship

Goodyear

Puritan

Resolute

Class L, G, K, Kx, M, Mx, O Airships

ZPG-2W & 3W

Experimental K Airship

ZS2G, ZS2G-1

Aereon III

K-10 Airship - Goodyear Aircraft Corporation

Isometric View of Control Line Arrangement for 45 degree Fins

Gearbox for 45 degree Airship Empennage Control System

Slack Absorbers & Regulators in Major Control System

Assembly of K-10 Airship with 45 degree Fins

ZPN Cable Assembly & Installment 1949

Goodyear

Cable Assemblies

Centenary Suspension 1955

Archives Map Case

Photograph: K-Class Airship & Aero Exploration: Germany

Charts:

Great Circle Airline Distance

Graf Zeppelin - see Blueprints

Atlantic & Pacific Oceans

H.T.A.

Weather

S.E. Asia

Straits of Florida

Plotting Sheet S.W. Pacific

Strategic Air Chart

A.K.A.G. 1 Related to Pearl Harbor Japanese Charts 1941

**Archives Map Case
Blueprints**

Maps:

Ohio 1918

The World Political Divisions 1922

The Arctic Regions 1925

Historical Weather Maps 1928

The World; National Geographic 1932

U.S. Relief Map 1934

The National Geographic Magazine 1935-37, 39, 41-42

Geology Survey 1957

Archives Map Case

Charts:

Time Zone

Air Distance

Blueprints:

Proposed Rigid Airship Design S-O-1

Drawn by D.N. Bondor nd

Airship Design Scale 1=100 nd

Photographs

North Wall Inside CER Room (Left to Right)

- 1-25. Naval Officers
26. NAS Lakehurst Personnel, September 4, 1923
27. USS Shenandoah Crew
28. Survivors - USS Shenandoah
29. Photograph of Historical Marker - Wreck of USS Shenandoah - Ohio
30. Photograph of Memorial to Men who Died in Wreck of USS Shenandoah
31. NAS Lakehurst Personnel, 1924
32. J. William Middendorf
33. Portrait of CER seated on table

South Wall on Top of Cabinet Inside CER Room (Left to Right)

1. Crew of USS Akron
2. USS Akron over Washington Monument
3. Airship Crew
4. Non-Rigid Airships over Wingfoot Lake, USS Akron
5. Rosendahl Receiving Navy Cross
6. USS Akron
7. Ruinosuka Kusaka

8. Mooring Dirigible in Hangar of Water
9. Airship Crew
10. ZR-1 over St. Louis
11. German Zeppelin on Display

West Wall Inside CER Room (Left to Right)

1. Proposed Site Development
2. Three Unidentified People
3. Harmon Award Presentation, October 13, 1967
4. Apollo II Astronauts
5. Harmon Awards with FDR
6. Hubert Humphrey
7. Bi-Plane
8. Bi-Plane with Parachutists
9. Bi-Plane with Skydiver
10. Parachutists - US Marines
11. Parachutists - US Marines
12. Parachutists - US Marines
13. US Navy K-1 Blimp
14. USS Akron
15. USS Los Angeles
16. Aircraft Carrier - USS Wasp
17. USS Minneapolis

18. USS Akron
19. USS Akron
20. Three Early Free Balloon Shots
21. J. William Middendorf
22. Harmon Awards with President Truman
23. ZMC-2 Blimp
24. USS Shenandoah Crew
25. USS Shenandoah
26. USS Shenandoah
27. USS Shenandoah
28. USS Shenandoah
29. Rosendahl with John Kenney
30. Rosendahl and Alfred E. Driscoll
31. Rosendahl and Captain Howard Lambersten
32. J-4 Blimp
33. Three Blimps and Crew in hangar
34. K-2 Blimp
35. USS Akron
36. Admiral Ernest King
37. USS Macon
38. ZMC-2 Blimp in Hangar
39. ZMC-2 Outside Hangar

40. 2 ZMC-2 Blimps
41. 1966 International Order of Characters Convention
42. Rear Admiral Moffet
43. Rosendahl with Two Men

North Wall Inside CER Room (Left to Right)

1. Diplome d'Honneur - International Trophy for Lighter Than Air Ligue Internationale Des Aviateurs, 1927
2. Harmon Trophy - Clifford B. Harmon Trust, October 13, 1950
3. Silver Tray - Recognition as Executive Director National Air Transport Society, 1953-1961
4. Membership - International Order - Characters, October 9, 1965
5. Certificate - Charles E. Rosendahl Day - Dover Township, NJ, May 15, 1972

East Wall Inside CER Room (Left to Right)

1. Diploma U.S. Naval Academy, June 5, 1914
2. Nixon Invitation to White House - Apollo Astronauts, August 13, 1969
3. Honorary Membership - Wings Club, April 26, 1965 and John Ericsson Society, November 20, 1943
4. Commission - Ensign, U.S. Navy, June 6, 1914
5. Resident membership - Wings Club, 1954
6. Special Service Award - Exchange Club - Union, NJ March 19, 1953

South Wall Inside CER Room (Left to Right)

1. Medallion - Township of Dover, Toms River, NJ, June 24, 1967

West Wall in Display Cases (Left to Right)

1. Plaque - Naval Air Technical Training Center, Lakehurst, NJ, June 10, 1971
2. Plaque Commemorating Dedication of Rosendahl Room, May 15, 1967
3. Plaque of Last Flight U.S. Navy Dirigible, August 31, 1962
4. Ambassadors Club - TWA, April 29, 1957
5. Life Membership - Air Force Association, January 29, 1977
6. American Aviation Historical Society
7. Harbor Master of the Inland Waterway - Navigation Council - NJ
Department of Conservation, June 5, 1946
8. Certificate of Honor - NY State Wing Air Force Association, May 12, 1956
9. Achievement Award - Wingfoot Lighter Than Air Society, October 8, 1959
10. Membership - Veterans Foreign Wars, July 17, 1924
11. Membership Certificate - Fellow - Institute of the Aeronautical Sciences,
1937
12. Honorary Degree - Doctor Science - Aeronautics University of Tampa,
June 8, 1943
13. Golden Life membership - U.S. Naval Institute, January, 1971
14. Certificate of Satisfactory Service - U.S. Navy, November 1, 1946
15. Grammar School Diploma - Clay School - Topeka, Kansas, June 1, 1906
16. Jean Pierre Blanchard Award, January 9, 1976
17. Frank M. Hawles Memorial - Air Service Post 501 American Legion, 1942

Film Inventory

Model 2PK Airship Landings 1950 35mm/400 ft.

Winter Ground Handling 16mm/400 ft.

No title/ Miscellaneous collection: U.S. Army C-7, nd 16mm/400 ft.

Goodyear Blimp/Ocean Liner, Goodyear Blimp Landing,

Blimp Pulling Water Skier, Filling Blimp with Helium,

Launching & Mooring Blimp, Early Dirigible "Sachsen"

European Location-possibly Germany

Snow Removal Mast Test 1960 16mm/400 ft.

Tails 1956 16mm/400 ft.

NADU Blimp Landings 1954 16mm/400 ft.

No title/U.S. Navy Blimp & Surface Vessel - performing nd 16mm/400 ft.

Transfer of fuel bag at sea

Blimp Fuel 1960 16mm/400 ft.

In-Flight Refueling nd 16mm/400 ft.

SG-4 In-Flight Remanning 1955 16mm/400 ft.

BUAER Project TED LAC 1960 16mm/400 ft.

In-Flight Refueling-Hose Method 1956 16mm/400 ft.

Lt. H.L. Eberly USN AEC NAS Lakehurst nd 16mm/400 ft.

In-Flight 1955 16mm/400 ft.

S2F Model Blimp nd 16mm/400 ft.

N-Ship In-Flight Refueling 1953 16mm/400 ft.

NADU Blimp Landings 1954 16mm/400 ft.

Going For Balloon Bag nd 16mm/400 ft.

No Title/U.S. Navy Blimp in Hangar nd 16mm/100 ft.

No Title/Navy Blimp in Flight 1954 16mm/100 ft.

No Title/Navy Blimp in Flight nd 16mm/100 ft.

Wrinkle Test K-2/Blimp in Flight 1945 16mm/100 ft.

No Title/ U.S. Navy Blimp in Flight Sensing Probe Extended nd 16mm/100 ft.

No Title/Sonobouy Sea Tests, U.S. Navy Blimp First Run nd 35mm/100 ft.

In Flight Remanning 1955 16mm/400 ft.

Divide/Conquer nd 16mm/2000 ft.

No Title/Remanning (Surface To Air) nd 16mm/100 ft.

No Title/Remanning (Surface To Air) nd 16mm/?

K-Ship 1945 16mm/100 ft.

No Title/Sonobouy Test - Third Run U.S. Navy Blimp nd 35mm/100 ft.

Airblast Tests 1957 16mm/100 ft.

Fundamental Principles & Operations - The Airship 1950 16mm/2000 ft.

Tails P3687 1955 35mm/700 ft.

No Title/K Type Blimp Engine Installation 1955 35mm/610 ft.

Stacked Deck 1960 16mm/463 ft.

"Report all Breaks" 1960 16mm/100 ft.

No Title/Blimp Refueling Carrier-Using Fuel Bag 1960 16mm/300 ft.

No Title/View of Blimps on Ground, Blimp Hangars, and 1960 16mm/500 ft.
Close up of Blimps in Flight.
No Title/Blimp Carrier landings 1960 16mm/570 ft.
Use of an Airship as an Aerodynamic Model Test Carriage 1958 16mm/500 ft.
No Title/Blimp Landings at South Weymouth, Massachusetts 1954 16mm/100 ft.
Blimp Air-Sea Rescue-Military Blimps 1945 16mm/800 ft.
No Title/Lighter Than Air History Rigid Airship 1946 16mm/1500 ft.
No Title/Slide Film NY World's Fair 1940 6 rolls 35mm
No Title/Sound Film World's Fair 1940 35mm/500 ft.
No Title/Blimp Fire: Blimp Squadron Two 1948 8mm/200 ft.
No Title/Airship Ground Handling 1957 16mm/?
No Title/Zeppelin! Zeppelin! 1975 16mm/B/W Video
No Title/Papers of FDR: Airships 1938-40 35mm/?
No Title/U.S.S. Macon Aircraft nd 16mm/400 ft.
No Title/Story of Admiral Rosendahl: "Fame" nd 16mm400 ft.

Recording Inventory

Navy Day 1941 WIOD Miami/Broadcast 33-1/3
NBC Monitor 1961 NBC Broadcast 33-1/3
Launching: Ford Blimp 1946 WOR Broadcast - 78
Launching: Ford Blimp 1946 WOR Broadcast - 78
Air Show 1972 Commercial - 78

Jack Lamping Interview: CIBA 1953 WJLK Broadcast - 78

Jack Lamping Interview: CIBA 1953 WJLK Broadcast - 78

Graf Zeppelin 1967 SABA Commercial 33-1/3

Graf Zeppelin 1967 SABA Commercial 33-1/3

Last Flight of Hindenburg 1974 Commercial 33-1/3

WLS Eyewitness 1937 RCA Commercial - 78