



DR. THEODORE VON KÁRMÁN
1881-1963

J. Allen Smith, F.A.I.A.
CHARIT
1968

THE THEODORE VON KÁRMÁN COLLECTION



W. Kormán

THE THEODORE VON KÁRMÁN
COLLECTION

AT THE
CALIFORNIA INSTITUTE
OF TECHNOLOGY

*Guide to the Original Collection and a
Microfiche Edition*

EDITORS

Judith R. Goodstein

Carolyn Kopp

*Institute Archives: Robert A. Millikan Memorial Library
California Institute of Technology
Pasadena, California*

1981

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Cover: A bust of von Kármán by Judith Bland
in the lobby of the auditorium
named for him at the Jet Propulsion Laboratory

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GENERAL INTRODUCTION

Chronological Biography

- 1881 May 11 Theodore von Kármán born in Budapest (Hungary), son of Maurice von Kármán and Helene von Kármán (née Kohn)
- 1898 von Kármán enters The Royal Joseph Technical University, Budapest
- 1902 receives degree in mechanical engineering from The Royal Joseph
- 1903-1906 joins the firm of Ganz and Company in Budapest as a consulting engineer; accepts position as assistant professor of hydraulics at The Royal Joseph
- 1906 wins a two-year fellowship to Göttingen; attends lectures by David Hilbert, Felix Klein, and Ludwig Prandtl
- 1907 sees his first airplane flights near Paris
- 1908 writes dissertation on the buckling of columns and receives doctor's degree from The University of Göttingen
- 1908-1912 receives appointment as privatdocent at Göttingen
- 1911 studies the stability of vortex patterns that form behind stationary bodies in flowing fluids ("Kármán vortex street")
- 1912-1913 von Kármán turns to a problem in solid state physics; he and Max Born analyze the lattice dynamics of a crystal and deduce the spectrum of frequencies in a solid. next, they apply Einstein's 1907 paper on the heat capacity of solids to their model of crystalline lattice vibrations
- 1913 moves to Aachen as professor of mechanics and aeronautics at the Technische Hochschule and director of the Aerodynamics Institute
- 1914-1918 military service in the Austro-Hungarian Army; becomes head of the experimental division of the Aviation Corps; collaborates with Wilhelm Zurovec on design of first stable hovering captive helicopter
- 1915 Oct 15 father dies in Budapest
- 1919 returns to Technische Hochschule, Aachen
- 1922 organizes with Tullio Levi-Civita a scientific conference in Innsbruck devoted to aerodynamics and hydrodynamics
- 1924 lectures on the stability of laminar flow and turbulence at the First International Congress on Applied Mechanics at Delft; General Aerodynamic Theory, 2 vols. (with J. M. Burgers)

- 1926 Sept 24 makes his first visit to the United States under the auspices of The Daniel Guggenheim Fund; serves as consultant on the design of new aeronautics laboratory and wind tunnel at Caltech
- 1927 visits Japan; advisor to Kawanishi airplane company; designs country's first industrial wind tunnel
- 1928-1930 two more visits to the United States
- 1930 von Kármán returns to the problem of turbulence, he succeeds in deriving a logarithmic formula for turbulent skin friction, announces results at Göttingen and at Third International Congress of Applied Mechanics at Stockholm
- 1930 Oct 1 appointment as professor of aeronautics, director of The Daniel Guggenheim Aeronautical Laboratory at the California Institute of Technology (GALCIT), and director of the Daniel Guggenheim Airstrip Institute at Akron, Ohio
- 1932 founding member, Institute of Aeronautical Sciences
- 1934 founding member, hydraulic machinery laboratory for research on centrifugal pumps; consultant, Metropolitan Water District of Los Angeles
- 1935 presents fundamental paper analyzing from a variety of viewpoints the problem of resistance at subsonic and supersonic speeds, Fifth Volta Congress, Rome
- 1936 acquires USA citizenship; GALCIT Rocket Research Project begins
- 1937 visits Russia, China, and Japan; Wilbur Wright Lecture, Royal Aeronautical Society
- 1938 election to National Academy of Sciences; publishes definitive paper (with L. Howarth) on statistical theory of isotropic turbulence
- 1939 Joseph Willard Gibbs lecturer ("The Engineer Grapples with Nonlinear Problems"), American Mathematical Society, Columbus, Ohio
- 1939 Apr 18 von Kármán proposes a Jet Propulsion Experimental Station in the Arroyo Seco
- July 1 Special Committee of the National Academy of Sciences for Air Corps research initiates jet propulsion research program (GALCIT Project, No. 1) under von Kármán's direction; aerodynamic consultant, Smith-Putnam Wind Turbine
- 1939-1952 consultant, U.S. Army Air Corps
- 1940 Mathematical Methods in Engineering (with M.A. Biot)

1941 aerodynamic consultant, Tacoma Narrows Bridge Consulting Board

1941 May 11 Theodore von Kármán Anniversary Volume, in honor of Theodore's 60th birthday

1941 June mother dies in Pasadena

1942 joins five colleagues in forming the Aerojet Engineering Corporation

1944 Oct 23 appointment as expert consultant to General Henry H. Arnold, Commanding General of the Army Air Forces; organizes and directs U.S. Air Force Scientific Advisory Group (SAG)

Nov 1 Jet Propulsion Laboratory formally created; von Kármán prepares to turn leadership of the Laboratory over to JPL Executive Board

1945 leads other SAG members on inspection tour of European aeronautics centers

Where We Stand, von Kármán's post-tour report to AAF Scientific Advisory Group on technical developments in air warfare during World War II; also, writes Science, The Key to Air Supremacy, the introductory volume of the Group's long-range report, "Toward New Horizons"

1946 receives the U.S. Medal for Merit

1946-1954 chairman, Scientific Advisory Board, U.S. Air Force

1946 foreign member, The Royal Society

1949 professor emeritus, California Institute of Technology

1951 organizes the NATO Advisory Group for Aeronautical Research and Development (AGARD)

1951-1963 chairman, AGARD

1951 July 2 sister dies in Pasadena

1954 Aerodynamics: Selected Topics in the Light of Their Historical Development, the 1953 Messenger Lectures, Cornell University

1954 chairman emeritus, Scientific Advisory Board, USAF

1955 Selected Papers on Engineering Mechanics, an anniversary volume prepared by Aachen colleagues in honor of Theodore's 70th birthday

1961 May 11 symposium, organized by the Institute of the Aerospace Sciences, New York, in honor of Theodore's 80th birthday; proceedings are published in 1962

1963 Feb 8 recipient of the first U.S. National Medal of Science

May 6 dies in Aachen

History of the Collection and Acknowledgments

Theodore von Kármán left instructions in his will that his papers be given to the Laboratory of Fluid Mechanics and Jet Propulsion named after him at the California Institute of Technology. Shortly after his death in 1963, the U.S. Air Force Academy Library selected several items from the collection for an exhibit at the dedication of the new von Kármán wing of the Academy's library. These items were subsequently presented to the library. The collection itself remained in the custody of the Kármán Laboratory until April 1968, when Professors Duncan Rannie and Frank Marble released the material to Dr. Judith R. Goodstein, the Institute's Archivist, following the formal creation of Caltech's science archives program.

By 1971, about half of the 100 or so storage cartons had been examined and a brief report was prepared for the National Union Catalog of Manuscript Collections. The systematic arrangement and description of the collection began in 1976, with the support of a grant from the National Endowment for the Humanities.

Von Kármán's papers posed a number of special problems. An accomplished physicist, aerodynamicist, and applied mathematician, he carried on an extensive and world-wide correspondence in Hungarian, German, French, and Italian until he settled permanently in the United States in 1930. Handwritten letters, often times lacking the last name in the signature, transformed the routine alphabetical arrangement of his personal correspondence into an assignment worthy of Sherlock Holmes. Also, von Kármán generated copious files in Budapest, Aachen, Pasadena, Washington, and Paris, and no two secretaries kept his files the same way. In the absence of any consistent internal arrangement, the staff went ahead and reorganized a good portion of his papers, completing the project in September 1978.

The microfiche publication of the Theodore von Kármán collection in 1980 was supported by a contract with the National Air and Space Museum, Smithsonian Institution, in Washington, D.C.

Many people contributed to the successful completion of these projects. We are grateful to Annamarie Keene, Jackie Kuhl, and Ruth Gordon for their industry and ingenuity in coping with rusty paper clips, yellowed folders, and abstruse scientific records. The Guide's general appearance owes much to the helpful advice and skillful typing of Joanne Clark. It is also a pleasure to acknowledge Erwin Morkisch for his exacting preparation of the individual files for microfiche; Jack Scharlin for his overall supervision of the actual photography; Loma Sprude for preparing the necessary guide sheets for the microfiche edition; Marcia Goodstein for assuming the responsibility of checking the microfiche;

and Paul Hanle whose generous cooperation made the microfiche publication possible. Special thanks are due to Johanna Tallman for her steadfast administrative support.

Notes on Use of the Collection

The papers of Theodore von Kármán, Hungarian-born aerodynamicist, science advisor, and first director of the Daniel Guggenheim Aeronautical Laboratory at the California Institute of Technology, are available to researchers in two formats. The original collection, which includes more than 145,000 pages of letters, scientific manuscripts, reports, unpublished speeches, lecture notes, family papers, medals, and photographs, fills 175 manuscript boxes, and is available for study in the Caltech Archives. The microfiche edition of the von Kármán collection consists of the contents of 3,496 folders, representing virtually all the documents in boxes 1 through 157, reproduced on 4,131 microfiche cards. The documents cover the years 1871 to 1963, but the core of the collection consists of the records relating to his career in Germany after World War I; materials pertaining to his association with such organizations as the Daniel Guggenheim Fund for the Promotion of Aeronautics, the National Advisory Committee on Aviation, the Air Force, and the International Union of Theoretical and Applied Mechanics; and personal and scientific correspondence with colleagues and students in Europe, the Far East, and the United States.

The Theodore von Kármán collection is divided into 10 sections as follows:

<u>Section</u>	<u>Folder Numbers</u>
I Personal Correspondence	1.1 - 33.34
II Correspondence & Documents: Professional Organizations & Meetings	34.1 - 55.7
III Correspondence & Documents: Companies and Industry	55.8 - 69.27
IV Correspondence & Documents: Educational Institutions	70.1 - 78.18
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VIII Publication Correspondence	115.1 - 116.14
IX Manuscripts	117.1 - 133.4
X Biographical & Personal Material	133.5 - 174.0
Supplementary Material	175.1 - 175.14

The papers have been microfiched in the order in which the collection itself is arranged. Each microfiche card has the same identification number and title as the original folder number. Copyrighted publications, with the exception of newspaper clippings, were not filmed.

The folder index and the selective correspondent index complement each other. The folder index provides a complete listing of the contents of the von Kármán collection. It is arranged in filing order and gives the identification number, title, and inclusive dates for each folder in the collection. It also provides an organizational description of the collection.

The Guide's alphabetically arranged correspondent index (for folders 1.1 through 116.8) shows the correspondent's name and the folder numbers where such correspondence may be found. The index, which includes individuals only, makes no distinction between incoming and outgoing correspondence.

Documentation of von Kármán's involvement in education, national affairs, scientific organizations, and industrial firms is centered in Sections II through VIII of the collection and includes material from such prominent scientific and public figures as G. I. Taylor, George Gamow, Edward Teller, John von Neumann, Curtis LeMay, Enrico Fermi, Richard Courant, Vannevar Bush, and Stuart Symington. To see every item of correspondence with an individual, e.g., the English mathematician G. I. Taylor, each folder listed would have to be consulted. However, to find only that Taylor correspondence relating to a particular topic or subject area, compare the correspondent index entries with those in the folder index.

The Guide's index covers von Kármán's professional career. The remaining, unindexed folders are primarily personal and family material. Theodore had three brothers and a sister. There is considerable correspondence with each family member, including some correspondence between his mother and father, dating back to the 1880s. Transcriptions and English translations exist for some of this material. Theodore and Josephine, his sister, were very close. Her letters, in particular, are a rich source of information about Theodore's personal life. Of interest also in this section is the biographical material relating to his father, Maurice, who was a prominent Hungarian educator.

Von Kármán's papers encompass a broad spectrum of European and American intellectual, social, and political history. There is a good deal of information, for example, on international cooperation in science, on science and scientists in Nazi Germany and Fascist Italy, on technical matters, including airships, windmills and jet propellants, on the work of the NATO Advisory Group for Aeronautical Research and Development, and the founding and development of the Institute for Applied Mathematics at Brown University, to name but some of the topics available for study in the collection.

Section II of the collection is a good starting point for investigating international scientific cooperation. The files of the International Congress for Applied Mechanics, the International Union of Theoretical and Applied Mechanics, and the Innsbruck Conference on Hydro- and Aerodynamics form one of the most interesting sections of the organizational correspondence, and should be used in conjunction with one another. The political chaos in Europe between the two World Wars is documented in many of the letters in Section I--e.g., Richard Courant's letter of November 12, 1933 to von Kármán describing conditions in Germany in 1933, is typical of the many letters received by von Kármán from prominent European scientists in the 1930s. The government files in Section VI of the collection focus on von Kármán's long and fruitful association with the military, particularly the Air Force. Section VII contains material relating to von Kármán's general interest in problems of lighter-than-air craft and his role as aerodynamics advisor in the Smith-Putnam wind turbine project. The windmill built in 1941 at Grandpa's Knob near Montpelier, Vermont, survives as an interesting case study in the history of technology. Students of American economic history will find his correspondence in the National Research Council files dealing with the problem of jet propellants and related material concerning the Aerojet Engineering Corporation, particularly useful.

Theodore von Kármán's published writings include five books and approximately 200 papers and articles which appeared between 1902 and 1963, now part of the five-volume Collected Works of Theodore von Kármán (London, 1956, vols. 1-4; Rhode-St-Genesè, 1975, vol. 5). A popular, semi-autobiographical account of his life is The Wind and Beyond: Theodore von Kármán, Pioneer. . . in Space by von Kármán with Lee Edson (New York, 1967); Hugh L. Dryden's, "Theodore von Kármán, May 11, 1881-May 7, 1963," National Academy of Sciences Biographical Memoirs, xxxviii (New York, 1965), pp. 345-384, considers in some detail his scientific work. Several oral histories of von Kármán also exist. The Sources for History of Quantum Physics interview with von Kármán deals with his scientific education and early work; Columbia University's Oral History Research Office von Kármán interview deals primarily with his World War II activities, and the formation of the Scientific Advisory Board.

All the illustrations are from the Theodore von Kármán collection.

Muel

Some remarks on the dynamics of airships.

~~The safety of ~~the~~ aircraft depends largely on ~~the accuracy~~~~
~~(and, ~~more~~ the~~

~~The basis to design aircraft.~~

^{exact}
The (knowledge of forces, which may act on an aircraft under) ~~the worst~~ conditions, is one of the ~~(main)~~ basic point of ~~(possible)~~

^{safe}
design. This is ~~overlooked~~. The problem is ~~(somewhat~~
easier in the case of ^(be) airplanes, than in the case of a
dirigible, because the great size of the ~~last~~ latter.

~~(In the case of the airplane it is sufficient) (For aircraft the~~
~~force on a wing is in the most case given by the average~~
~~wind velocity.)~~ Several ~~(can)~~ ^(are) innumerable calculations

of an airship have been considered by different experts,
especially to find out the ~~(first)~~ ^(maximum) maximum

bending moment, which can act on the hull in the ~~most~~
~~unfavorable conditions.~~ case of non uniform flow around

the ship. ~~(Unfortunately this calculations don't give any~~
~~evidence of the ~~big~~)~~ ~~And it seems~~ It seems, that the

structural strength of the hull of the ~~(last)~~ airships build
lately both in England and in this country, was ~~probably~~ sufficient.

A page from a von Kármán manuscript, "Some remarks on the dynamics of airships." As director of the Akron Airship Institute, von Kármán was involved in the development of airships in the 1930s.

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| | 1958 | 5.24 | Charyk, Joseph and Edwina 1943, 1947-1948, 1953-1955, 1957, 1959-1963 |
| 5.3 | Carafoli, Elie 1934, | | |
| | 1937, 1957 | 5.25 | Chermely, Anthony G. 1946-1947 |
| 5.4 | Carathéodory, Constantin 1922, 1927, 1936-1937, 1947-1948 | 5.26 | Chien, C. T. 1936, 1943, 1945-1946 |
| 5.5 | Cardwell, Franklin D. 1947-1951, 1957-1958 | 5.27 | Chieri, Pericle A. 1941-1942, 1946-1947, 1949 |
| 5.6 | Carpenter, John W. 1959-1960 | 5.28 | Chohany, George J. 1950, 1952-1953 |
| 5.7 | Carreri, Josette 1952, 1954-1956, 1959, 1962 | 5.29 | Cholnoky, Thomas 1949-1950 |
| 5.8 | Carruthers, John F. B. 1935-1937, 1953-1954, 1958 | 5.30 | Chou, Pei-Yuan 1934, 1940-1941, 1944-1946, 1957 |
| 5.9 | Carson, G. B. 1934-1935 | 5.31 | Chou, William Ming Chi 1942 |
| 5.10 | Carstoiu, John 1939, 1946, 1956-1957, 1959-1960 | 5.32 | Chow, J. L. 1950 |
| | | 5.33 | Chown, Jim and Lupe 1951-1952, 1954, 1956, 1961-1962 |
| 5.11 | Caspar, Karl 1921-1924, 1930 | 5.34 | Chu, Co Ching 1930, 1934-1935, 1938-1939, 1943 |
| 5.12 | Ca Miscellaneous I | 5.35 | Chu, Ju Chin 1962 |
| 5.13 | Ca Miscellaneous II | 5.36 | Chulay, John 1960 |
| 5.14 | Cerruti, Vittorio and Bözse 1945-1946, 1956-1958, 1960 | 5.37 | Ce-Ch Miscellaneous I |
| | | 5.38 | Ce-Ch Miscellaneous II |
| 5.15 | Chang, Chieh Chien 1941-1944, 1946 | 5.39 | Ciffrin, Assaf 1943, 1947-1949 |
| 5.16 | 1947-1950 | | |
| 5.17 | 1951-1953 | 5.40 | Cigerza, Enrico 1950-1951 |

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Section 1 Box 5 (continued)

5.41	Clark, James 1954, 1957	6.13	Couillaud, E. 1951
5.42	Classen, Alexander 1932-1933	6.14	Courant, Richard 1921-1923, 1926-1929
5.43	Clauser, Francis and Milton 1940, 1950- 1951	6.15	1930-1934, 1936-1937
5.44	Claveison, Marcelle G. 1946-1949, 1951-1953, 1955, 1957	6.16	1939-1941, 1944-1947, 1955
5.45	Clohse, Grete 1922, 1927, 1930-1937, 1953, 1958	6.17	Cox, A. B. 1938-1939
		6.18	Co Miscellaneous I
		6.19	Co Miscellaneous II
		6.20	Craigie, Laurence C. ("Bill") and Victoria 1949, 1955, 1961
		6.21	Crawford, Robert 1950-1954, 1960

Box 6

6.1	Ci-C1 Miscellaneous	6.22	Creekmore, Harry 1962-1963
6.2	Coanda, Henri 1960	6.23	Crocchi, Piero 1950, 1952, 1954-1957
6.3	Cochran, Jacqueline 1951-1958, 1960-1961	6.24	Crocco, Alfredo 1950
6.4	News Clippings 1953- 1954, 1956, 1960- 1962	6.25	Crocco, G. Arturo and Bice 1922, 1935, 1937, 1946- 1947, 1952, 1954-1955, 1960
6.5	Coleman, T. C. 1945, 1949-1950, 1957	6.26	Crocco, Luigi 1946-1949, 1952- 1956
6.6	Colonetti, Gustavo 1947-1950	6.27	Crow, Alwyn 1954, 1956
6.7	Colvin, Charles H. 1947, 1950	6.28	Cr Miscellaneous
6.8	Compton, Arthur H. 1940, 1962	6.29	Csazy, Albin von 1958
6.9	Connelly, Elizabeth 1959-1960	6.30	Cs-Cz Miscellaneous
6.10	Corbellini, Guido 1953	6.31	Daeves, K. 1925
6.11	Correll, Walter F. 1945, 1951	6.32	Dahrling, Bruce and Toni 1954, 1959, 1961
6.12	Cossutta, Ferruccio 1920-1921, 1923, 1927	6.33	Dane, Paul H. (and family) 1944, 1958
		6.34	Danel, Paul 1936-1937
		6.35	Danusso, Arturo 1956

Section I Box 6 (continued)

- | | | | |
|--------------|--|------|--|
| 6.36 | Darmstaedter, Erich
1940 | 7.10 | Dirksen, Bernhard 1931-
1933, 1945-1947, 1950-
1952, 1955 |
| 6.37 | Dätwyler, Gottfried
1934, 1946, 1950,
1952-1953 | 7.11 | Dizioğlu, Bekir 1956-1957 |
| 6.38 | Daugherty, R. L. 1926,
1937, 1942, 1946 | 7.12 | Di Miscellaneous |
| 6.39 | Davidson, Kenneth and
Anne 1934, 1936, 1940,
1949-1951, 1953-1956,
1959 | 7.13 | Dockweiler, John F. 1938 |
| 6.40 | Davidson, Louis B. and
Marian 1946, 1948-
1949, 1955 | 7.14 | Donnell, Lloyd and Sylvia
1930, 1938, 1941, 1944-
1945, 1947-1948, 1951 |
| 6.41 | Dawid, Friedrich 1933 | 7.15 | Doolittle, James H. 1952,
1954-1955, 1961 |
| 6.42 | Da Miscellaneous | 7.16 | Dorman, Bernhardt and
Stella 1959 |
| 6.43 | Debye, Peter 1921, 1926,
1940 | 7.17 | Dorman, Margaret 1936, 1960 |
| 6.44 | Dedebant, G. 1946 | 7.18 | Dornier, Claude 1922, 1929,
1949 |
| 6.45 | De Marchi, Giulio 1930,
1960 | 7.19 | Do Miscellaneous |
| | | 7.20 | Draper, Charles S. 1958 |
| | | 7.21 | Dresden, Arnold 1938, 1941,
1945-1946 |
| | | 7.22 | Dresler, Franz 1930 |
| <u>Box 7</u> | | 7.23 | Dreyfuss, Marcel 1958, 1961-
1962 |
| 7.1 | Den Hartog, J. P.
1937-1938 | 7.24 | Driscoll, Bernard and Mary
1951-1955 |
| 7.2 | 1939-1941 | 7.25 | 1956-1959, 1961-1962 |
| 7.3 | Dennison, Robert L.
1935-1936 | 7.26 | Dryden, Hugh L. 1934, 1939,
1941, 1947, 1950, 1954-
1955, 1958, 1960, 1962 |
| 7.4 | Descamps, Alphonse M.
1933-1934, 1936-1937 | 7.27 | Dr Miscellaneous |
| 7.5 | Dezsényi, Julius 1920 | 7.28 | Dubos, Bernard J. 1938-1939,
1945 |
| 7.6 | De Miscellaneous | 7.29 | DuBridge, Lee A. 1947-1948,
1953 |
| 7.7 | Dickmann, Hans E. 1939,
1951-1954 | 7.30 | Dudinot, Marinette 1950 |
| 7.8 | Dienes, Sari 1946 | 7.31 | Duffie, Claire A. P. 1948,
1956 |
| 7.9 | Di Lollo, Giuseppina
1951, 1953 | | |

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Section 1 Box 7 (continued)

7.32	Dukas, Helene 1936	8.8	Ehrenfest, Paul 1931
7.33	Dunn, Louis G. 1940, 1943, 1948, 1959, 1961	8.9	Ehrenhaft, Felix 1922-1923, 1926-1929
7.34	Dunning, John R. 1950-1951, 1958	8.10	1930-1932
7.35	Dupont, Paul 1932, 1938, 1952	8.11	1940
7.36	Durand, William F. 1928-1932	8.12	Einstein, Albert 1921-1922, 1931, 1933-1935, 1938- 1940, 1942-1944, 1946- 1947, 1949-1951, 1955- 1956
7.37	1933	8.13	Clippings
7.38	1934	8.14	Eisner, Franz 1924-1925, 1932-1933
7.39	1935-1937	8.15	Elbe, Guenther von 1952
7.40	1938-1939	8.16	Éliás, Franz 1925-1926, 1928, 1930, 1932-1934
7.41	1940-1942, 1944, 1955, 1958	8.17	Elten, Alfred 1930
7.42	Duwez, Pol, Néra and Nadine 1934-1937, 1940-1942, 1944, 1946-1947, 1950-1951, 1955-1956	8.18	Ea-El Miscellaneous
7.43	1957-1960, 1962-1963	8.19	Engel, René 1936, 1941, 1953- 1954
		8.20	Em-En Miscellaneous

Box 8

8.1	Dykes, John C. 1936, 1938, 1942, 1952, 1957, 1959	8.21	Epstein, Paul S. 1926-1930, 1943, 1950, 1953-1954
8.2	Du-Dz Miscellaneous	8.22	Erckens, Maximilian 1928, 1956-1957
8.3	Eames, Henry Purmort 1936	8.23	Erdödy, Lilly 1956, 1958, 1963
8.4	Echard, Charles 1941- 1942	8.24	Erim, Kerim 1929, 1948, 1952
8.5	Eckert, Max and Fran 1930-1931, 1933, 1948- 1949	8.25	Ernst, Paul Josef 1950
8.6	Edson, Lee 1957-1963	8.26	Eucken, A. 1924, 1926
8.7	Ehrenfeld, Jenő 1920- 1921, 1926, 1960-1962	8.27	Ewald, Peter Paul 1912, 1936- 1938, 1949, 1952-1953, 1958
		8.28	Er-Ex Miscellaneous
		8.29	Fabian, Béla, George, and Gabriel 1947-1948

Section I Box 8 (continued)

- | | | | |
|------|---|------|---|
| 8.30 | Fabri, Alexander 1950,
1952, 1955-1960, 1962 | 9.10 | Ferrari, Carlo 1935-1936,
1946, 1949 |
| 8.31 | Fabri, Jean and Collette
1948-1952, 1955-1956,
1958, 1960, 1963 | 9.11 | Ferri, Antonio 1956-1959,
1961-1962 |
| 8.32 | Faget, G. de 1948, 1951 | 9.12 | Fe Miscellaneous |
| 8.33 | Fákla, István 1926-1928,
1963 | 9.13 | Fischer, Charles Fink 1939-
1941, 1956 |
| 8.34 | Fales, Elisha N. 1947,
1954-1955 | 9.14 | Fischer, Ernst 1920-1921,
1924, 1927 |
| 8.35 | Farquharson, F. B.
1942-1943, 1948-1949 | 9.15 | Fi Miscellaneous |
| 8.36 | Farren, William 1928,
1938, 1955, 1959 | 9.16 | Flachsbart, O. 1930, 1938 |
| 8.37 | Fassbinder, Elisabeth
1956-1957, 1960, 1962 | 9.17 | Fleming, Arthur H. 1933 |
| 8.38 | Favre, Alexandre 1951,
1955 | 9.18 | Flickinger, Don 1957-1958,
1961-1963 |
| 8.39 | Fa Miscellaneous | 9.19 | F1 Miscellaneous |

Box 9

- | | | | |
|-----|--|------|---|
| 9.1 | Fejér, Andrew A. and
Edith 1936, 1938-1941,
1943-1945, 1947-1949,
1952-1956 | 9.23 | Fondiller, William and Robert
1948, 1952, 1956, 1960 |
| 9.2 | 1958-1963 | 9.24 | Fonó, Albert 1925, 1927,
1933, 1935-1936, 1945-
1946, 1958-1963 |
| 9.3 | Fejér, Eugen and Ilus
1930-1931, 1934, 1936,
1938, 1941 | 9.25 | Föppl, Ludwig 1920, 1930 |
| 9.4 | Fejér, Julianne and Eva
1955, 1958 | 9.26 | Föppl, Otto 1920, 1925, 1930
1946, 1960 |
| 9.5 | Fekete, Ernő 1959 | 9.27 | Forchheimer 1924, 1928 |
| 9.6 | Fekete, Heinrich 1926,
1929-1931 | 9.28 | Ford, Vince T. 1949, 1951-
1952 |
| 9.7 | Fekete, Mihály 1950, 1956 | 9.29 | Fornet, Mici (Mrs. Bela) de
1954, 1956-1960 |
| 9.8 | Felkai, László 1961-1962 | 9.30 | 1961-1963 |
| 9.9 | Fényes, Iván 1936-1938,
1946, 1951 | 9.31 | undated |
| | | 9.32 | Fort, Tomlinson 1939 |

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Section 1 Box 9 (continued)

- | | | | |
|------|---|-------|--|
| 9.33 | Fortune, William C.
1951, 1959 | 10.9 | Fulton, Garland 1932, 1934-
1936, 1938, 1940, 1944-1945,
1947-1948, 1950, 1957 |
| 9.34 | Fo Miscellaneous | 10.10 | Funk, Paul 1938-1939 |
| 9.35 | Fraenkel, Erich 1933-
1934 | 10.11 | Fu Miscellaneous |
| 9.36 | Franck, James 1922,
1927, 1947-1948 | 10.12 | Gabrielli, Giuseppe and Lydia
(Crocco) 1925-1926, 1928-
1929, 1931, 1933-1936, 1938
1945-1950 |
| 9.37 | Frank, Philipp 1922-1923,
1925-1927, 1943 | 10.13 | 1951-March 1952 |
| 9.38 | Frankum, Kenneth G.
1948-1949 | 10.14 | April-Dec 1952 |
| 9.39 | Fréchet, Maurice 1947,
1958 | 10.15 | 1953-1954 |
| 9.40 | Frenkiel, François
Naftali 1941-1942,
1946-1947, 1949-1950,
1952 | 10.16 | 1955-1956 |
| | | 10.17 | 1957 |
| | | 10.18 | 1958-1962 |
| | | 10.19 | |
| | | 10.20 | Gail, Albert 1939-1941 |
| | | 10.21 | Gamow, George A. 1946, 1949-
1950 |
| | | 10.22 | Garbell, Maurice Adolf
1938-1939 |
| | | 10.23 | Gardner, Lester D. 1927,
1934-1937 |
| | | 10.24 | 1938-1940, 1944, 1946-
1947, 1956 |
| | | 10.25 | Gardner, Trevor 1952, 1954-
1955 |
| | | 10.26 | Gardner, Willard 1933-1934 |
| | | 10.27 | Garutso, Steven E. 1945,
1949 |
| | | 10.28 | Gauger, Ernst 1929-1931 |
| | | 10.29 | Ga Miscellaneous |
| | | 10.30 | Gebelein, Hans 1954-1956 |

Box 10

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|------|--|-------|---------------------------------------|
| 10.1 | Fricker, Lillian and
Ethel Meyers 1946-1948 | 10.22 | Garbell, Maurice Adolf
1938-1939 |
| 10.2 | Friedel, Robert 1921,
1924 | 10.23 | Gardner, Lester D. 1927,
1934-1937 |
| 10.3 | Friedrich, William G.
1937, 1951, 1954-1955 | 10.24 | 1938-1940, 1944, 1946-
1947, 1956 |
| 10.4 | Friedrichs, Kurt O.
1927, 1929, 1936, 1938-
1941, 1955, 1957, 1962 | 10.25 | Gardner, Trevor 1952, 1954-
1955 |
| 10.5 | Fritsch, Walter 1924-
1925, 1927-1928 | 10.26 | Gardner, Willard 1933-1934 |
| 10.6 | Fromm, Carl 1921-1922,
1924-1925, 1927-1935,
1937 | 10.27 | Garutso, Steven E. 1945,
1949 |
| 10.7 | Fr Miscellaneous | 10.28 | Gauger, Ernst 1929-1931 |
| 10.8 | Fuismeister, Renée 1955-
1957 | 10.29 | Ga Miscellaneous |
| | | 10.30 | Gebelein, Hans 1954-1956 |

Box 11

- | | |
|------|---------------------------|
| 11.1 | Gehlhoff, Georg 1920-1921 |
| 11.2 | 1922 |
| 11.3 | 1923-1925 |

Section I Box 11 (continued)

- 11.4 Georgii, Walter 1929-1930, 1959
- 11.5 Germain, Paul 1948, 1950-1951, 1954
- 11.6 Geszti, József 1928-1929
- 11.7 Ge Miscellaneous
- 11.8 Giacomelli, Raffaele 1931, 1936-1937, 1945-1946, 1952
- 11.9 Giannini, Gabriel and Luisa 1939, 1941, 1945-1948, 1950, 1955-1956, 1958
- 11.10 Giesen, Carl 1930, 1933
- 11.11 Gilles, August 1926-1928
- 11.12 1929-1935, 1960-1962
- 11.13 Girerd, Henry 1949-1950, 1962
- 11.14 Gh-Gi Miscellaneous
- 11.15 Glantzberg, Frederic E. 1945, 1947-1952, 1955, 1957-1958, 1960-1962
- 11.16 Glauert, Herman and Muriel 1927, 1934-1935, 1937-1938
- 11.17 Glennon, John J. 1958
- 11.18 Gloyer, Walter 1934, 1938
- 11.19 Goddard, Robert H. 1935-1938, 1940, 1956
- 11.20 Goldstein, Sydney and Rosa 1927, 1936-1941, 1944-1947, 1950-1951, 1953, 1956-1957
- 11.21 Goldziher, Károly 1901, 1951-1952
- 11.22 Gongwer, Calvin 1945
- 11.23 Görgényi, Géza 1962
- 11.24 Goth, Imre 1956-1957, 1961
- 11.25 Gottschalk, Julius 1928, 1930-1931
- 11.26 Gourdine, Meredith C. ("Flash") 1954, 1960-1962
- 11.27 Gl-Go Miscellaneous
- 11.28 Grahame, R. B. 1940-1941
- 11.29 Grammel, R. 1924-1926, 1937-1938, 1945, 1952, 1954
- 11.30 Grassheim, Kurt and Margaret 1943, 1948
- 11.31 Gravalos, Fausto G. 1942, 1944, 1949
- 11.32 Green, Barney O. 1959
- 11.33 Gregory, H. Franklin 1944, 1951, 1958, 1960
- 11.34 Greinacher, Richard 1946, 1948-1951, 1955, 1957-1960
- 11.35 Grossman, K. H. 1948-1950
- 11.36 Gr Miscellaneous I
- 11.37 Gr Miscellaneous II
- 11.38 Guilbert, Gilles and Claire 1935-1936, 1938, 1940, 1946, 1951
- 11.39 Guggenheim, Florence (Mrs. Daniel) 1942
- 11.40 Guggenheim, Harry F. 1926-1927, 1934, 1939, 1941, 1947-1953, 1955-1958

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Section I Box 12

12.1	Guggenheim, Harry F. (continued) 1959-1963	12.20	Hartenberg, Richard S. 1928, 1930-1931, 1935, 1939, 1941-1942, 1950, 1956-1958
12.2	Gutmann, M. 1927, 1929- 1930, 1934, 1937-1939	12.21	Hartig, Carl Christoph 1924, 1953
12.3	Gu Miscellaneous	12.22	Hashiguchi, (Billy) Yoshio 1934, 1938-1940, 1952
12.4	Gysen, Ernest 1924-1926, 1932-1933	12.23	Haupt, Ulrich 1937-1938, 1945
12.5	Haar, Alfred 1914, 1929, 1933	12.24	Hauptman, Frederic 1945-1946
12.6	Haex, Charles 1928, 1930-1932, 1934	12.25	Hawthorne, William R. 1948, 1950-1951
12.7	Hagemann, Jucoram and Anita 1930, 1938	12.26	Hayes, Wallace D. 1947- 1948, 1958
12.8	Hahn, Franz and Beate 1922, 1925-1926, 1945, 1947, 1951	12.27	Ha Miscellaneous I
12.9	Haley, Andrew G. 1941- 1947	12.28	Ha Miscellaneous II
12.10	1948-1953	12.29	Ha Miscellaneous III
12.11	1954-1963	12.30	Hedrick, E. R. 1931, 1933, 1939-1940
12.12	Halmi, Rozsi 1942, 1961	12.31	Hegedüs, József 1920
12.13	Hama, Ryosuke (Francis) 1949	12.32	Heiman, Eric E. 1947-1952, 1954
12.14	Hamel, Georg 1921, 1924- 1925, 1946-1947, 1954	12.33	1956
12.15	Hammer, Victor J. 1951- 1952	12.34	1957-1959
12.16	Hammonds, Oliver Wendell ("Buzz") 1957, 1959- 1961	12.35	Heinkel, Ernst 1922, 1953, 1955-1956, 1958
12.17	Hanocq, Charles 1929, 1937-1938, 1949, 1951	12.36	Hellinger, Gyuri 1900
12.18	Harrington, R. Paul 1932, 1934-1936, 1939, 1941- 1942, 1944-1947, 1949	12.37	Helly, Edward and Elizabeth 1939, 1943
12.19	1950-1953, 1958-1959, 1962	12.38	Hemke, Paul E. 1929-1931, 1934, 1956
		12.39	Hencky, Heinrich 1925, 1931- 1933
		12.40	Henne, Erich 1926-1927

Section I Box 13

- | | | | |
|-------|--|-------|---|
| 13.1 | Herrick, Samuel 1962 | 13.22 | Hoff, Wilhelm 1924-1926,
1928-1931, 1934-1935 |
| 13.2 | Hersey, Rex and
Elizabeth 1940 | 13.23 | Hollander, Aladar 1923,
1930, 1932-1934, 1936-
1938, 1940, 1945-1946,
1954, 1956-1957, 1959,
1961 |
| 13.3 | Herzfeld, H. 1921, 1926-
1927, 1929-1933 | 13.24 | Holley, Billie Jones 1955 |
| 13.4 | Hetényi, Miklós 1926,
1936-1937, 1939, 1941,
1947, 1956, 1961 | 13.25 | Hollister, S. C. 1938, 1946 |
| 13.5 | Hevesy, George 1920,
1930, 1947, 1951 | 13.26 | Holter-Sorensen, Marie
1938-1939 |
| 13.6 | Hevesy, Paul de 1940,
1951, 1954, 1956,
1958, 1960 | 13.27 | Hondros, D. 1924, 1927, 1950 |
| 13.7 | He Miscellaneous I | 13.28 | Hoover, Herbert, Jr. 1937,
1945, 1949, 1955 |
| 13.8 | He Miscellaneous II | 13.29 | Hopf, Ludwig 1920, 1924, 1926 |
| 13.9 | Hibbard, Hall L. 1935,
1937, 1940 | 13.30 | 1927 |
| 13.10 | Hilbert, David and Käthe
1913, 1919, 1925, 1931 | 13.31 | 1928-1930, 1932-1933, 1936,
1940 |
| 13.11 | Hill, G. T. R. 1942-1944 | 13.32 | Horn, F. 1924-1925, 1931,
1934-1935 |
| 13.12 | Hinrichs, F. W. 1933,
1937, 1940-1941 | 13.33 | Horovitz, George 1928-1930,
1938, 1940-1941, 1946-
1948 |
| 13.13 | Hinrichs, J. H. 1961 | 13.34 | Hort, Wilhelm 1920-1921,
1925 |
| 13.14 | Hinshaw, Carl 1943, 1946 | 13.35 | Horvath, Ferdinand H.
1941-1942 |
| 13.15 | Hirschfelder, Joseph O.
1946-1947, 1953, 1955,
1962 | 13.36 | Hougen, O. A. 1940 |
| 13.16 | Hi Miscellaneous | 13.37 | Hovey, Bertram K. 1940 |
| 13.17 | Hobrock, Raymond H.
1929, 1931, 1938,
1949-1951, 1953, 1958-
1959 | 13.38 | Howarth, Leslie 1936-1938,
1947 |
| 13.18 | Hof, Emanuel 1926, 1934 | 13.39 | Ho Miscellaneous I |
| 13.19 | Hofer, Marcel H. 1951 | 13.40 | Ho Miscellaneous II |
| 13.20 | Hoff, Nicholas John 1929,
1938-1941, 1946 | 13.41 | Huang, Hsia-Chien 1937-1939 |
| 13.21 | 1947-1949, 1951, 1955-
1956, 1959-1961 | | |

Box 14

- 14.1 Hubble, Edwin 1942

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14.2	Huber, Maksymiljan T. 1925, 1927-1928, 1930	14.21	Jacovleff, Dmitry 1947-1948
14.3	Hudimoto, B. 1950, 1952	14.22	Jacquin, Paul A. 1940-1942
14.4	Hughes, Howard R. 1935, 1949, 1959	14.23	Jaeger, Hans 1924, 1930-1931
14.5	Hunsaker, Jerome C. 1924-1926, 1930-1931, 1933	14.24	Jakab, Gábor 1959-1960
14.6	1934-1937	14.25	Jakob, Max 1926, 1930, 1938-1939, 1942
14.7	1939-1941, 1944-1948	14.26	Jakobovits, Daniel 1925, 1930, 1936-1937
14.8	Huppert, Paul A. 1961	14.27	Ja Miscellaneous
14.9	Hs-Hy Miscellaneous	14.28	Jehle, Herbert 1951
		14.29	Jendrassik, George 1939, 1946, 1949, 1952-1954
14.10	Ide, John Jay 1921-1922, 1927-1929, 1933, 1952	14.30	Jewett, Frank B. 1944
14.11	Ince, Alexander Sandor 1960	14.31	Je Miscellaneous
14.12	Inglis, Charles and Eleanor 1934, 1948, 1958	14.32	Johnston, Bruce G. 1961- 1962
14.13	Ippen, Arthur T. 1933, 1935-1936, 1945-1946, 1959	14.33	Jones, B. Melvill 1928, 1937-1938, 1950
14.14	Iranyi, Ladislaus A. 1957, 1960	14.34	Jones, Bradley S. 1936
14.15	Iterson, F. K. van 1922-1928	14.35	Jones, E. T. and Greta 1952, 1959, 1962
14.16	1930-1931, 1934-1936, 1940, 1953	14.36	Joos, Georg 1930-1932
14.17	Ito, Yoji 1954-1955	14.37	Jordan, Károly 1928-1929, 1937
14.18	I Miscellaneous	14.38	Jost, W. 1953, 1959-1960, 1962-1963
		14.39	Juhász, Kálmán J. de 1936- 1937, 1941, 1946, 1949, 1954
		14.40	Juhasz, Stephen 1962
14.19	Jacobs, Eastman and Helen 1936, 1944-1945	14.41	Julia, Gaston 1948, 1951, 1961
14.20	Jacobsen, Lydik S. 1932, 1938, 1951	14.42	Junkers, Hugo 1935
		14.43	Jo-Ju Miscellaneous

Section I Box 14 (continued)

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|-------|---|-------|---|
| 14.44 | Kalinske, A. A. 1941 | 15.11 | Kayser, Erich and Wilma
1921-1922, 1924-1926,
1929, 1933-1934, 1937 |
| 14.45 | Kalinski, Felix
1952, 1954-1955,
1957, 1960 | 15.12 | 1945-1947, 1950, 1954,
1956-1962 |
| 14.46 | Kálmán, Eugene 1928-
1930, 1935, 1938-1939,
1946-1947, 1952 | 15.13 | Ka Miscellaneous |
| 14.47 | Kampé de Fériet, Joseph
1933-1935, 1937-1940,
1944-1945 | 15.14 | Kédia, Michael 1944, 1952 |
| 14.48 | 1946-1948 | 15.15 | Keleman, Klári (née
Körösy) 1955-1957 |
| 14.49 | Kampschulte, W. 1924,
1935 | 15.16 | Kelen, Etienne 1936 |
| | | 15.17 | Kelen, Ferenc and Miklos
1923, 1936 |

Box 15

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|-------|--|-------|---|
| 15.1 | Kanno, Makoto 1951 | 15.18 | Keller, Curt 1948 |
| 15.2 | Kantrowitz, Arthur
Robert 1947, 1950,
1952, 1958 | 15.19 | Keller, Ernest G. 1940,
1943, 1945-1946 |
| 15.3 | Kapff (-Vollmoeller),
Anna von 1927, 1953-
1955 | 15.20 | Kellogg, Oliver D. 1928 |
| 15.4 | Kaplan, Joseph 1936,
1941, 1946-1948, 1950,
1953, 1956-1957, 1959,
1962 | 15.21 | Kelly, Samuel G. 1934-1935,
1945 |
| 15.5 | Karelitz, George B. 1933,
1938, 1942 | 15.22 | Kemmer, Paul and Peg 1932,
1934-1936, 1941, 1951,
1957, 1960-1961 |
| 15.6 | Karpov, A. V. 1938, 1942,
1947 | 15.23 | Kempf, Günther 1923, 1933 |
| 15.7 | Katzmayr, Richard 1929,
1936 | 15.24 | Kent, Robert H. 1942, 1949,
1952 |
| 15.8 | Kawanishi, Ryoza 1927,
1929, 1934, 1949,
1951, 1953, 1955 | 15.25 | Kerr, Arnold D. 1962 |
| 15.9 | Kayan, Carl and Barbara
1939-1941, 1943-1944,
1948-1950 | 15.26 | Kertész, Géza 1925-1926,
1930 |
| 15.10 | 1951, 1953-1955, 1957,
1960, 1963 | 15.27 | Ke Miscellaneous |
| | | 15.28 | Kimball, Dan and Doris 1947,
1949, 1953, 1958 |
| | | 15.29 | Kirkwood, John G. 1942, 1949 |
| | | 15.30 | Kit, Boris 1958-1961 |
| | | 15.31 | Kitusda, Kaname 1933-1943 |
| | | 15.32 | Kh-Ki Miscellaneous |
| | | 15.33 | Kleffel, Walther F. 1930,
1956, 1960, 1962 |

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- | | | | |
|-------|--|-------|---|
| 15.34 | Kleinhenz, Franz 1931, 1947 | 16.11 | Kl-Kn Miscellaneous |
| 15.35 | Kleinmann, Mortimer (Morty) V., Belle, and Laura 1942-1946, 1948-1954, 1956-1957, 1961 | 16.12 | Koch, Walter L. 1928, 1935-1936, 1939, 1941, 1946 |
| 15.36 | Kleinsmid, Rufus B. von 1942, 1947, 1954-1955, 1959, 1961 | 16.13 | Kodama, Thomas 1942, 1944-1946, 1950 |
| 15.37 | Klemin, Alexander 1930, 1933-1934, 1936, 1938, 1940 | 16.14 | Koenig, Ewald 1952, 1959, 1962 |
| 15.38 | Klemperer, Wolfgang B. and Mia 1919-1920 | 16.15 | Koga, Toyoki 1957, 1961-1962 |
| 15.39 | 1921-1922 | 16.16 | Kohn, Jacob 1945, 1948 |
| 15.40 | 1923 | 16.17 | Kohn, Paul 1939 |
| | | 16.18 | Koiter, W. T. 1951-1953 |
| | | 16.19 | Kolin, Julius 1936-1937, 1939, 1955 |
| | | 16.20 | Konen 1922, 1924-1925 |
| | | 16.21 | Koning, C. 1931, 1939-1940, 1952 |

Box 16

- | | | | |
|-------|--|-------|---|
| 16.1 | ca. 1922-1923 (undated) | 16.22 | Konstantinowsky, K. (Nopski) 1928-1929, 1946-1948, 1950 |
| 16.2 | 1924-1927 | 16.23 | Korda, Alexander 1947, 1954 |
| 16.3 | 1930, 1933-1936, 1939, 1945, 1949-1950, 1954-1955, 1958, 1960-1963 | 16.24 | Korn, Elizabeth and Arthur 1941, 1946 |
| 16.4 | Klikoff, W. A. 1933, 1936-1937 | 16.25 | Körner, Kamillo 1922, 1924-1926, 1929, 1934-1935, 1938 |
| 16.5 | Knapp, Robert Talbot and Pearl 1929, 1931, 1935-1937, 1940, 1944, 1948-1950, 1952, 1954, 1956-1957 | 16.26 | Körösy, Francis (Feri) de 1932, 1939, 1955-1958, 1960, 1963 |
| 16.6 | Knein, Max 1925-1926 | 16.27 | Körösy (Korosi), Kornél 1896-1900, 1902, 1928, 1931, 1938 |
| 16.7 | Knight, Montgomery 1936 | 16.28 | Kováč, Imre 1948-1949 |
| 16.8 | Knight, William 1921-1924, 1926 | 16.29 | Kovásznay, Leslie 1946, 1949-1950, 1961 |
| 16.9 | Knoblauch, Oscar 1923-1924, 1926 | 16.30 | Kövesi, Antal 1912, 1946 |
| 16.10 | Knoblock, F. D. (Del) and Tommy 1932-1933, 1937, 1944, 1950 | 16.31 | Ko Miscellaneous I |

Section I Box 16 (continued)

- | | | | |
|-------|--|-------|---|
| 16.32 | Ko Miscellaneous II | 17.14 | Kurta, Pius George 1960-1961 |
| 16.33 | Kraft, Hans 1951-1953, 1956, 1959 | 17.15 | Ku Miscellaneous |
| 16.34 | Kraft, Julius 1938, 1946 | 17.16 | Kybal, Dalimil 1940, 1943, 1946 |
| 16.35 | Krauss, Franz 1933, 1952, 1954 | 17.17 | Kybal, Vlastimil 1938-1939 |
| 16.36 | Krick, Irving P. 1934, 1936, 1947, 1949-1952 | 17.18 | Kyropoulos, Spyro 1937-1938, 1942, 1959, 1961 |
| 16.37 | 1953-1955, 1957 | | |
| 16.38 | 1958 | | |
| 16.39 | 1959-1960 | 17.19 | Lacey, William 1952-1953, 1961 |
| 16.40 | 1961-1963 | | |
| 16.41 | Reports | 17.20 | Lachmann, Gustav V. 1921-1922, 1924, 1936, 1947, 1954, 1959, 1963 |

Box 17

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|-------|---|-------|---|
| 17.1 | Krivobok, V. N. 1941, 1944 | 17.21 | Ladenburg, Richard 1934, 1945 |
| 17.2 | Kroon, Reinout P. 1942, 1950 | 17.22 | Laffite, P. 1956-1958 |
| 17.3 | Krückel, Josef 1935, 1955 | 17.23 | Lafita, Felipe 1948-1953 |
| 17.4 | Krupp, Georg 1924, 1962 | 17.24 | Lambda, Peter W. (Nili) and Betty 1944, 1947, 1953 |
| 17.5 | Krzywoblocki, M. Z. von 1942-1944, 1946, 1948, 1950, 1955 | 17.25 | Landau, Edmund, Marianne and Mathias 1920, 1929-1931, 1938, 1961 |
| 17.6 | Kr Miscellaneous | 17.26 | Landgraf, F. 1939 |
| 17.7 | Ku, Yu-Hsiu 1937, 1942, 1950, 1962-1963 | 17.27 | Lange, Otto 1960 |
| 17.8 | Kucharski, W. 1953 | 17.28 | Langer, Paul 1924-1925, 1953 |
| 17.9 | Kudar, János 1927-1928 | 17.29 | Langer, Rudolph 1936, 1952 |
| 17.10 | Kuerth, Alfred 1940-1941, 1943-1944, 1949-1952 | 17.30 | Lani, Mathias 1937-1938, 1944-1949, 1951, 1953-1954 |
| 17.11 | Kuerti, G. 1955-1956, 1962 | 17.31 | Lanphier, Thomas G. 1956, 1960-1961 |
| 17.12 | Kuethe, Arnold 1933-1937, 1940, 1942, 1944, 1947-1956 | 17.32 | Lapeyre, Jean Louis and Lee 1942-1944, 1947, 1949, 1951, 1954, 1960, 1963 |
| 17.13 | Kuo, Y. H. 1942-1943, 1946, 1952 | | |

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Box 18

17.33	Lapresle, A. 1929, 1935, 1955	18.1	Lengyel, Lidó (Lydia) 1942, 1951
17.34	Larsen, Lauritz S. 1956	18.2	Lengyel, Melchior M. and Anne 1951, 1959-1960
17.35	László, Franz 1921, 1928, 1938	18.3	Lenz, W. 1921, 1924-1925
17.36	Latzko, John (Hans) and Henriette 1917, 1922, 1924-1925, 1928, 1930, 1932, 1936, 1938-1939, 1951, 1955- 1958	18.4	Léopold, André 1932, 1939
		18.5	Lent, Robert R. 1957
		18.6	Lessells, John M. 1930- 1933, 1937-1938, 1940, 1960
17.37	Laubry, Charles 1948- 1949	18.7	Letchworth, Adelia 1956- 1958, 1960
17.38	Laue, Max von 1935	18.8	Levi-Civita, Tullio and Libera 1921-1922
17.39	Laufer, J. John 1943, 1945-1947, 1949	18.9	1923-1926, 1928-1929, 1933-1934, 1936-1939, 1947, 1956
17.40	Laugier, Henri 1945		
17.41	Lazenby, John Frederic and Wilma 1942	18.10	Levy, Gabor B. 1940, 1957, 1962
17.42	La Miscellaneous I	18.11	Lévy, Lajos and Vili (Willy), 1925-1926, 1929, 1931, 1937-1940
17.43	La Miscellaneous II		
17.44	Leaderman, Herbert 1935-1936	18.12	Lewis, F. J. 1944
17.45	Ledofsky (Letowski), Géza 1925	18.13	Lewis, Frank M. 1935
		18.14	Le Miscellaneous I
17.46	Lees, Lester 1942, 1944, 1947, 1959	18.15	Le Miscellaneous II
17.47	Legewie, Brigitta (Nettelbeck), 1953- 1956	18.16	L'Hermite, Robert 1945, 1947-1948
		18.17	Lichtenstein, L. 1922, 1926
17.48	Leinss, Arthur 1925	18.18	Lichtwitz, L. 1929, 1935
17.49	Leist, Karl 1953, 1956, 1960	18.19	Lieber, Paul 1961-1962
		18.20	Liepmann, Hans W. and Kate 1941, 1943-1944, 1946-1947, 1950, 1954
17.50	LeMay, Curtis E. 1946- 1948, 1958, 1961	18.21	Ligeti, Edith Katharine 1953, 1956-1960

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18.22 Lin, Chia-Chiao 1942,
1944-1945
18.23 1946-1947
18.24 1948-1949
18.25 1950-1951
18.26 1952-1953
18.27 1954-1960, 1963
18.28 Lin, T. H. 1948
18.29 Lindner, Olga and Peter
1940, 1945, 1952, 1955,
1960, 1963
18.30 Linhart, J. George 1956
18.31 Lisintzki, Frank L.
1956-1958
18.32 Livingstone, Paula V.
1962-1963
18.33 Li-yee (Li-I), Wu
1942-1943
18.34 Li Miscellaneous
18.35 Lloyd, James 1950, 1953,
1958
18.36 Loew, Lotte (Mrs. John R.
Hecht) and Bell 1935-
1936, 1940, 1948-1951
18.37 Lohmann, Walther 1921,
1925
18.38 Lombard, Albert E., Jr.
1937, 1939-1940, 1944,
1948
18.39 Lonski, Aloysius B. 1940
18.40 Lorch, E. R. 1946
18.41 Lorentz, H.A. (Mrs.) 1928
18.42 Lorenz, Hermann and
Margret 1929, 1932,
1945-1947
18.43 Loria, Salvatore 1926
18.44 Lőrinczy, Mihály 1938,
1946

18.45 Lössl, Ernst von 1921-
1922, 1925, 1929-1930,
1948

Box 19

19.1 Lovelace, W. Randolph
(Randy) 1950, 1954-1955,
1961-1962
19.2 Lowdermilk, W. C. 1935-
1936, 1938, 1947
19.3 Löwy, Heinrich 1921-1925,
1929-1930
19.4 1950, 1955
19.5 Lowy, László 1933
19.6 Lj-Lo Miscellaneous
19.7 Lubbock, Isaac 1943
19.8 Lubin, Clarence F. 1939
19.9 Lucien, René 1948-1952,
1954-1955, 1957-1958,
1961
19.10 Ludloff, H. F. 1924,
1955-1956
19.11 Ludowici, W. 1923-1924
19.12 Ludwik, Paul 1924, 1929
19.13 Lukinsky, Vikenty V. 1960
19.14 Luneau, Jean 1950, 1955
19.15 Lu-Ly Miscellaneous
19.16 Maccoll, John W. 1928,
1930, 1937, 1947
19.17 MacLeish, Archibald 1945
19.18 Madigan, Maria (Giannini)
1957-1958
19.19 Magyar, Franz 1931
19.20 Maier, Eugen 1949
19.21 Maier, Mark P. ("Monk")
1951, 1953, 1955, 1961

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|-------|--|-------|--|
| 19.22 | Maiores, Salvatore 1949 | 19.41 | Martin, Minta 1942 |
| 19.23 | Major, Claire Hélène 1958 | 19.42 | Martinuzzi, Franco 1947, 1952 |
| 19.24 | Majoros, John (János) and Eva 1952-1953, 1957 | 19.43 | Maruyama, E. Y. 1958-1961 |
| 19.25 | Malavard, Lucien 1942, 1949, 1956-1957 | 19.44 | Marxen, Friedrich 1955 |
| 19.26 | Malina, Frank J. 1940-1942, 1947, 1953 | 19.45 | Mastronardi, H. 1954, 1956, 1959-1960 |
| 19.27 | 1954, 1956-1962 | 19.46 | Mathar, J. 1927, 1930, 1932-1933 |
| 19.28 | Malkin, Iaroslav 1928, 1935, 1938, 1955, 1957 | 19.47 | Mathes, Peter von 1926-1927, 1929, 1952 |
| 19.29 | Mampell, Tera (Mrs. Klaus) 1953, 1957-1963 | 19.48 | Mattioli, G. D. 1935, 1937-1938 |
| 19.30 | Mandler, Evžen 1934, 1946, 1948 | 19.49 | Mautner, Steven E. 1938, 1944 |
| 19.31 | Mantica, Margit 1934, 1938-1939 | 19.50 | Maxwell, Robert 1959, 1962 |
| 19.32 | Marble, Frank E. 1947, 1949-1951, 1953, 1961 | 19.51 | Ma Miscellaneous I |
| 19.33 | Marchand, Yvonne 1949-1950 | 19.52 | Ma Miscellaneous II |
| 19.34 | Marcus, Ludwig 1935 | 19.53 | Ma Miscellaneous III |
| 19.35 | Marczali, Poli 1941, 1959 | 19.54 | McCoy, H. M. (Mac) 1934, 1942 |
| 19.36 | Margolies, Lyonel 1936 | 19.55 | McDowell, C. S. (Sandy) and Mabel 1938, 1942-1944, 1946-1947, 1950-1952, 1954-1955 |
| 19.37 | Margoulis, Vladimir 1924-1925, 1929, 1935 | 19.56 | McHugh, Godfrey T. 1953, 1961 |
| 19.38 | Markham, John R. and Ginette 1939-1941, 1947, 1957, 1959, 1961, 1963 | 19.57 | Mc Miscellaneous |
| 19.39 | Martin, Faye L. 1944-1945 | 19.58 | Meissner, E. 1921, 1925-1928 |
| 19.40 | Martin, Harold C. 1942, 1944 | | |

Box 20

- 20.1 Meksyn, D. 1937-1938, 1946-1947

Section 1 Box 20 (continued)

20.2	Melczertibos 1927-1928	20.22	Children's letters, drawings
20.3	Meller, Simon 1929, 1946	20.23	Miller, A. Basil and Marte 1926, 1928, 1957-1962
20.4	Meller, Victor V. and Michael N. 1948, 1958-1959	20.24	Miller, Shirley Snow 1943, 1962
20.5	Melotti, G. 1954-1955	20.25	Millikan, Clark 1928-1930, 1933-1934, 1937
20.6	Menger, Karl 1938, 1943	20.26	1938, 1944, 1946-1949, 1951-1956, 1959, 1961
20.7	Mercier, Jean 1943-1945, 1947, 1955, 1958-1959, 1962	20.27	Millikan, Robert A. 1926-1930
20.8	Merker, June 1947, 1949, 1952-1953, 1955, 1957, 1960-1963	20.28	1931-1935, 1937-1938, 1940-1945, 1947, 1952-1953
20.9	Merrill, Albert A. 1931, 1938-1939, 1943	20.29	Mills, Mark M. 1946, 1952, 1955, 1958
20.10	Meyer, Edgar 1921, 1941-1942	20.30	Millsaps, Knox 1946, 1951, 1953-1956, 1958, 1962
20.11	Meyer, Fritz 1945-1946, 1949	20.31	Milner, Samuel 1960
20.12	Me Miscellaneous I	20.32	Minelli, Carlo 1934, 1953
20.13	Me Miscellaneous II	20.33	Mino de Mirbel, Joseph 1958
20.14	Michal, Aristotle and Luddye 1937, 1944, 1946-1948, 1951, 1953-1955, 1957	20.34	Minorsky, N. 1937, 1940, 1944-1946, 1952
20.15	Michaux, Claude M. M. 1948-1949	20.35	Mises, Richard von 1920-1921, 1923-1925
20.16	Michelson, Irving 1951, 1960-1961, 1963	20.36	1926-1929
20.17	Mikolovits, George (György) 1960, 1962	20.37	1930, 1933-1934, 1937-1938, 1940-1947, 1952
20.18	Millán, Gregorio, Carmen, Marta and Teodoro 1948, 1950, 1952	20.38	Misztal, Frank 1928-1929, 1931, 1933-1935, 1946-1948, 1957-1958
20.19	1953-1954	20.39	Mitterdorfer, Otto 1929
20.20	1955-1957	20.40	Mittler, Stephan 1926-1927
20.21	1958-1961, 1963	20.41	Mi Miscellaneous I
		20.42	Mi Miscellaneous II
		20.43	Mock, Richard M. 1936
			<u>Box 21</u>
		21.1	Mokrzycki, G. A. 1940-1941, 1943, 1945

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21.2	Moody, Lewis F. 1931, 1933, 1935, 1939, 1941	21.21	Na Miscellaneous
21.3	Moore, Norton B. 1934-1939, 1946, 1949-1950, 1952	21.22	Neeri (Nyiry), John (János) and Bözse 1949, 1955, 1958-1959, 1961-1963
21.4	Morand, Solange 1954, 1960	21.23	Neményi, Paul 1929, 1933, 1941-1942, 1945-1947
21.5	Morandini, D. N. 1933, 1935-1936, 1943, 1945- 1947, 1950, 1955	21.24	Nemes, Leslie L. 1961-1962
21.6	Mow, Pang-Chu 1937, 1943, 1945	21.25	Nemeth, John 1952
21.7	Mo Miscellaneous I	21.26	Nettel, Frederick 1947-1948
21.8	Mo Miscellaneous II	21.27	Nettmann, Paul 1934
21.9	Mo Miscellaneous III	21.28	Neugebauer, Otto 1932-1933
21.10	Muck, Otto, Johanna, Hansl 1945, 1952-1953, 1956-1958	21.29	Neumann, John von 1929, 1938, 1940, 1956
21.11	Muesmann, Günther 1958	21.30	Neumark, Stefan 1940, 1947- 1948
21.12	Müller, Conrad 1927, 1935, 1939	21.31	Neumeyer, Alfred and Friedrich 1941
21.13	Müllermeister, Hans 1926-1927, 1931	21.32	Neutra, Richard J. and Dione 1941, 1954, 1961
21.14	Munro, William B. 1938- 1939, 1942	21.33	Ne Miscellaneous
21.15	Mu Miscellaneous	21.34	Nicolai, E. 1930, 1934
21.16	Myklestad, N. O. 1942	21.35	Niessen, K. F. 1928
21.17	Nadai, A. 1921, 1924, 1932-1933, 1935	21.36	Nikitine, Serge 1935-1936
21.18	Nägel, A. 1925, 1927- 1930	21.37	Niklesz, Michael 1925
21.19	Nagy, József and Mrs. 1955, 1959	21.38	Nilakantan, P. 1940-1941, 1956, 1961
21.20	Naumann, A. 1959-1961	21.39	Ni-Nj Miscellaneous
		21.40	Nobl, George 1959
		21.41	Noether, F. 1926
		21.42	Northrop, John and Margaret 1940, 1946, 1948, 1950, 1963
		21.43	Noyes, Arthur A. 1933

Section 1 Box 21 (continued)

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|-------|---|-------|--|
| 21.44 | No Miscellaneous | 22.8 | Onsager, Lars 1945 |
| 21.45 | Numachi, F. 1933, 1936,
1949-1952 | 22.9 | Ob-On Miscellaneous |
| 21.46 | Núñez Rodríguez, Antonio
1953-1957, 1960, 1962 | 22.10 | Oppenheimer, J. Robert
1934, 1949, 1954 |
| 21.47 | Nussbaum, A. I. 1948-
1949 | 22.11 | Oravas, Gunhard-Aestius,
1959, 1961 |
| 21.48 | Nu-Ny Miscellaneous | 22.12 | Orazi, Paolo 1949-1951 |
| | | 22.13 | Ordway, Donald Earl 1957,
1959 |
| 21.49 | Oberth, Hermann 1952,
1955, 1961, 1963 | 22.14 | Ormesher, Marion 1943-
1947 |
| 21.50 | O'Brien, Morrough P.
1932-1936 | 22.15 | Orowan, Egon 1949, 1962 |
| 21.51 | 1937-1938, 1940 | 22.16 | Oswald, W. B. 1936 |
| 21.52 | 1941, 1946, 1950-1951,
1956-1957, 1962 | 22.17 | Ottson, L. 1925 |
| | | 22.18 | Op-Oz Miscellaneous |
| 21.53 | Ochoa, José 1959-1960 | | |
| 21.54 | O'Connor, Norreys
Jephson 1942 | 22.19 | Pai, Shih I. 1939-1940,
1946, 1948-1950, 1954-
1957, 1960-1962 |
| 21.55 | Odium, Floyd Bostwick
1951, 1954, 1958,
1961-1962 | 22.20 | Pais, A. 1948-1949, 1953 |
| 21.56 | Odqvist, Folke K. G.
1947, 1954 | 22.21 | Pallos, Ferenc and Bozse
1936, 1938, 1947-1949 |
| 21.57 | Oesterlen, Fritz 1930 | 22.22 | Panetti, M. 1926, 1928,
1934-1935, 1939, 1950 |

Box 22

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|------|--|-------|--|
| 22.1 | Oguey, Pierre 1951-1952 | 22.23 | Pargellis, Stanley 1956 |
| 22.2 | Oldenberg, Otto 1933,
1938 | 22.24 | Parkin, J. H. 1928, 1930 |
| 22.3 | Oldenburger, Rufus 1940,
1942, 1949, 1951 | 22.25 | Parsons, John W. 1948,
1952, 1961 |
| 22.4 | Oliphant, Pat 1950 | 22.26 | Pártos, Imre 1923, 1925,
1929 |
| 22.5 | Omori, Takeo 1940-1941 | 22.27 | Paschen, Friedrich 1921, 1930 |
| 22.6 | O'Neil, W. 1951, 1954-
1956 | 22.28 | Patterson, Gordon N. 1935,
1944 |
| | | 22.29 | Pauling, Linus 1961 |
| 22.7 | Ono, A. 1927-1931, 1939-
1940 | 22.30 | Pawlowski, Felix W. 1926,
1932, 1937-1938, 1942 |

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Section I Box 22 (continued)

22.31	Pazó Montes, José 1949, 1952, 1954	23.11	Petróczy, Stefan v. 1921-1922, 1929
22.32	Pa Miscellaneous I	23.12	Pe Miscellaneous
22.33	Pa Miscellaneous II	23.13	Pfenninger, Werner 1946-1947
22.34	Pegram, George B. 1932, 1949-1951	23.14	Philippidis, Aristoteles 1945-1946
22.35	Pekeris, Chaim L. 1942, 1948, 1958, 1960	23.15	Phillips, James F. 1952, 1959
22.36	Pelényi, John 1937, 1940-1941, 1963	23.16	Phillips, Joseph W. 1933, 1936-1937
22.37	Pélissier, Georges 1949-1950	23.17	Phillips, S. H. 1933
22.38	Penner, Stanford Sol 1954-1959, 1961	23.18	Piccard, Jean 1936
22.39	Pérès, Joseph 1946-1953, 1955, 1961-1962	23.19	Pickering, William H. 1957-1958, 1962
22.40	Pérez-Marín, Antonio 1948-1951	23.20	Picone, Mauro 1947, 1953
22.41	1952-1955	23.21	Pikler, Andrew 1950-1951, 1955-1957
22.42	1956	23.22	Pikler, Henrik, Edit, and Harold 1929-1930, 1934-1936, 1938-1939, 1941-1942, 1960-1961
22.43	Jan-July 1957		
22.44	Aug 1957-1958		

Box 23

23.1	1959-1960	23.23	Pini, Editta 1929
23.2	1961-1963	23.24	Piotrowski, Jan M. 1949, 1956, 1961
23.3	Perl, William Dec 1946-Aug 1947	23.25	Pipes, Louis A. 1946-1947, 1950
23.4	Aug-Sept 1947	23.26	Pirenne, Jean 1941
23.5	Sept 1947-Oct 1948	23.27	Pirotte, Francis 1947, 1953
23.6	1949-1953	23.28	Pistolessi, Enrico 1924-1925, 1930-1931, 1933, 1935-1936, 1938-1939, 1946, 1950, 1952
23.7	Peters, Henry 1937, 1941	23.29	Pf-Pi Miscellaneous
23.8	Petersen, Clara 1944-1945	23.30	Poggi, Lorenzo 1930-1931, 1946, 1953
23.9	Petersen, Otto 1922, 1924-1925		
23.10	Pető, Frank (Ferenc) 1963		

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|--|---|
| 23.31 Pohlhausen, Karl and
Erna 1922, 1928 1962 | 24.5 Provan, James A. 1962-1963 |
| 23.32 Polanyi, M. 1924-1925,
1928 | 24.6 Pr Miscellaneous |
| 23.33 Polart, François 1951 | 24.7 Puckett, Allen E. 1941,
1945-1947, 1957 |
| 23.34 Pollaczek, Felix 1922,
1940 | 24.8 Punga, Franklin 1929-1930 |
| 23.35 Pólya, George 1929,
1940-1941 | 24.9 Putnam, Palmer C. 1940, 1946,
1949-1950 |
| 23.36 Pöschl, T. 1924, 1926-
1927 | 24.10 Putt, Donald L. 1951, 1954-
1956, 1958-1959, 1961-
1962 |
| 23.37 Pl-Po Miscellaneous I | 24.11 Pu Miscellaneous |
| 23.38 Pl-Po Miscellaneous II | 24.12 Quick, A. W. 1949, 1956,
1960 |
| 23.39 Prado, Eduardo 1947,
1949-1950, 1955-
1963 | 24.13 Q Miscellaneous |
| 23.40 Prager, William 1933,
1947, 1951 | 24.14 Radó, Sándor 1922, 1956,
1958, 1960-1961 |
| 23.41 Prandtl, Ludwig 1920-
1921, 1923-1925 | 24.15 Raman, C. V. 1929 |
| 23.42 1926-1928 | 24.16 Ranzi, Ubaldo 1956-1957 |
| 23.43 1929-1930 | 24.17 Rassieur, William T. (Ras)
1936, 1943, 1952-1953,
1955, 1960 |
| 23.44 1931-1935, 1937-1938,
1953, 1956, 1962 | 24.18 Ratzersdorfer, Julius 1921,
1931, 1933, 1936-1937,
1939-1940, 1950-1951,
1961-1962 |
| 23.45 Pribram, K. 1922, 1928 | |
| 23.46 Price, Lillian and
Don 1940-1941, 1943-
1945, 1954, 1960 | |

Box 24

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|---|---|
| 24.1 Prockl, Charles 1957-
1958 | 24.19 Ray, Ajit Kumar 1954, 1961 |
| 24.2 Prokopowski, R. 1953 | 24.20 Ra Miscellaneous |
| 24.3 Pröhl, Arthur 1921, 1925,
1927, 1930, 1957 | 24.21 Recchi, Marida and Jeanne
(Giannina) 1952, 1956,
1959 |
| 24.4 Proquitte, J. Henri
1927-1928, 1947,
1949-1952, 1955, 1961 | 24.22 Reed, Albert Clark 1934-
1935, 1962 |
| | 24.23 Reiche, Fritz 1911, 1944 |

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24.24	Reid, Elliot G. 1939, 1943, 1950-1951	24.43	Rhyne, Russell Foote 1948-1950
24.25	Reiffenstein, J. Manfred 1960-1961	24.44	Riabouchinsky, Dimitri 1923, 1939, 1952
24.26	Reiner, Markus 1929, 1932, 1938, 1950-1951	24.45	Richardson, R. G. D. 1941-1942
24.27	Reissner, Edgar, Eric, and Thea 1938, 1941-1945, 1948-1949, 1951	24.46	Ricketts, L. D. and Palmer C. 1933
24.28	Reissner, Hans 1914, 1925, 1929-1930, 1932-1934	24.47	Ridenour, Louis N. 1952
24.29	1935-1937	24.48	Riesz, Sándor 1930, 1947
		24.49	Riparbelli, Carlo 1946, 1953-1956, 1958

Box 25

24.30	1938, 1941-1942, 1947-1948, 1950, 1953-1954	25.1	Ritchie, Scott B. 1943, 1948
24.31	Relf, Ernest F. 1960	25.2	Rittchen, Carlo (Károly) 1954
24.32	Remenyik, Tibor 1952, 1959, 1961	25.3	Ri Miscellaneous
24.33	Remmé 1922-1923, 1925	25.4	Robertson, Howard P. and Angela 1938-1939, 1941-1943, 1947, 1951-1954, 1961-1963
24.34	Renner, Albrecht and Ducca (née Trefftz) 1914-1915, 1917, 1925	25.5	Robins, Emanuel 1958
24.35	1926-1927, 1933, 1937, 1945, 1954-1955	25.6	Robischon, Ernest W. 1941, 1943-1944, 1947, 1954, 1958, 1961
24.36	1957-1959	25.7	Rocchi, Gualberto 1956
24.37	Renner, Barbara 1953-1955, 1959-1960	25.8	Rockefeller, W. C. 1938
24.38	Renner, Willy 1915, 1922	25.9	Roddenbery, Marie 1945-1947
24.39	Reuleaux 1926	25.10	1948-1949
24.40	Reynst, F. H. and Elisabeth 1955-1956, 1961-1962	25.11	1950
24.41	Re Miscellaneous I	25.12	Jan-April 1951
24.42	Re Miscellaneous II	25.13	May-Oct 1951
		25.14	Nov-Dec 1951
		25.15	Jan-Feb 1952
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| 25.18 | Jan-March 1953 | 26.19 | Roy, Maurice 1929, 1932,
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| 25.19 | April-Sept 1953 | | |
| 25.20 | Oct-Dec 1953 | 26.20 | Rozsaly, Francis 1956 |
| 25.21 | Jan-May 1954 | 26.21 | Ro Miscellaneous I |
| 25.22 | July-Dec 1954 | 26.22 | Ro Miscellaneous II |
| 25.23 | Jan-May 1955 | 26.23 | Rudnai, Guy 1937 |
| 25.24 | June-Oct 1955 | 26.24 | Ruer, Bertha 1935-1936, 1941,
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| 25.25 | Nov-Dec 1955 | 26.25 | Rumpler, E. 1921-1922,
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| 25.26 | Jan-May 1956 | 26.26 | Ru-Ry Miscellaneous |
| 25.27 | June-Oct 1956 | | |
| 25.28 | Nov-Dec 1956 | 26.27 | Sabados, Zolton William
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| 25.29 | Jan-May 1957 | 26.28 | Sachs, George 1925, 1935-
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| 26.2 | Oct-Dec 1957 | 26.30 | 1948-1949, 1951-1952 |
| 26.3 | 1958 | 26.31 | 1953-1957, 1959-1961,
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| 26.4 | Jan-June 1959 | 26.32 | Sage, Bruce Hornbrook 1949-
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| 26.5 | July-Dec 1959 | 26.33 | Salvo, Pedro 1958-1959 |
| 26.6 | 1960 | 26.34 | Sanden, Horst von 1927,
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| 26.7 | 1961 | 26.35 | Sándor, Georg 1931, 1937,
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| 26.8 | 1962 | 26.36 | Sänger, Eugen 1948, 1952-
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| 26.9 | Rogowski, W. and Ellen
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| 26.10 | Root, L. E. (Gene)
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| 26.11 | Rosenfeld, Herbert and
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| 26.12 | Rosete, Francisco 1957-
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| 26.13 | Rossby, Carl Gustaf
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| 26.14 | Rott, Leo 1943, 1946 | | |
| 26.15 | Rott, Nicholas 1947-
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| 26.16 | Rottenburg, von 1922-
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| 26.17 | 1928-1931, 1933 | | |

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27.1	Snger-Bredt, Irene 1960-1962	27.21	Schleusner, A. 1924-1925, 1949
27.2	Satin, Alexander 1938- 1941, 1949	27.22	Schlichting, Hermann 1960- 1961
27.3	Saxl, Erwin J. 1941, 1947, 1955, 1957-1958	27.23	Schlink, W. 1921, 1930
27.4	Sa Miscellaneous	27.24	Schmeidler 1929
27.5	Schaff, Alfred, Jr. 1959-1960	27.25	Schmetz, Amelies (Frau Ferdinand Bernhard) 1953- 1954, 1957-1958
27.6	Schairer, George S. 1942, 1957	27.26	Schmidt, Ernst 1954, 1956, 1960
27.7	Schatzki, Erich 1933, 1940-1941	27.27	Schmidt, Wilhelm 1934-1935
27.8	Schaub, Otto 1929, 1937, 1946	27.28	Schmitt, Carl 1922, 1924- 1925, 1927-1928
27.9	Scheel, Karl 1925-1926	27.29	Schneckenberg, Erich 1931- 1932, 1947, 1953-1954
27.10	Scheler, Max 1924, 1926	27.30	Schoenherr, Karl E. 1946
27.11	Schenck, Hermann 1925, 1927, 1954-1955	27.31	Schrenk, Martin 1922, 1927- 1929
27.12	Scherer, J. Otto 1924, 1927-1928, 1930, 1934, 1959-1962	27.32	Schriever, Bernard A. 1958, 1961, 1963
27.13	Scherer, Paul 1947	27.33	Schultz-Grunow, Fritz 1953
27.14	Scheubel, Franz N. 1926-1929	27.34	Schwab, Max 1928
27.15	1930-1931, 1933, 1935- 1936, 1938, 1941, 1945	27.35	Schwartz, Paul (Schwarz, Pl) 1938, 1941
27.16	1946-1947, 1949-1953	27.36	Schwarz, Andreas B. 1945, 1952
27.17	1954-1959	27.37	Schweitzer, Paul H. and Freidel 1931, 1933-1935 1937-1938, 1941-1942, 1944- 1946, 1952, 1957-1959
27.18	Schiller, Ludwig 1924- 1926, 1931	27.38	"25 Days in Japan" 1961
27.19	Schiller, Mellita 1929- 1930	27.39	
27.20	Schimanek, Emil 1937- 1938, 1945-1946	27.40	Schwemann, A. 1926, 1929, 1932
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- 28.16 Shaw, Richard Paul
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- 28.17 Sherlock, R. H. 1933,
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- 28.19 Shohat, J. 1943
- 28.20 Sielemann, Franz 1928
- 28.21 Simon, Heinrich Veit 1930
- 28.22 Simon, Leslie Earl 1949-
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- 28.23 Sirko, Eunice 1950-1951
- 28.24 Sirko, James E. 1951
- 28.25 Sh-Si Miscellaneous I
- 28.26 Sh-Si Miscellaneous II
- 28.27 Smith, Bernard E. 1956,
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- 28.30 Sonchen, Georges de 1951
- 28.31 Sommerfeld, Arnold 1922,
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- 28.32 Southwell, Richard V. 1925,
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- 28.33 Spackeler 1929-1930
- 28.34 Spannhake, Wilhelm and
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- 28.35 Spinney, Franklin C. 1958,
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- 28.36 Sprengart, Claus 1926-
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- 28.37 Springer, Ferdinand 1927-
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- 28.1 Sechler, Ernest E.
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- 28.2 Seeger, Raymond J.
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- 28.3 Seekatz, Fr. Wm. 1948
- 28.4 Seewald, Friedrich 1926,
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- 28.5 Seifert, Howard S. 1949
- 28.6 Seitz, Wilhelm 1927,
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- 28.7 Sellei, Joseph 1942-
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- 28.8 Selve, von 1922, 1924-
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- 28.9 Serbin, Hyman S. 1945-
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- 28.10 Sesoko, Tsune 1955,
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- 28.11 Sessums, John W. 1951,
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- 28.12 Severi, Francesco 1949,
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- 28.13 Seyfert, E. W. 1928
- 28.14 Se Miscellaneous
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28.40	Stacchini, Ernesto 1951	29.4	Supino, Giulio 1929, 1931, 1933, 1947
28.41	1952, 1954, 1956	29.5	Sverdrup, H. U. 1938
28.42	Stang, Franz Heinrich 1934-1935, 1947	29.6	Sverdrup, L. J. and Molly 1947, 1951-1952, 1956
28.43	Starke, H. 1927, 1930-1931	29.7	Symington, W. Stuart 1949-1951, 1954, 1960
28.44	Steensma, H. 1936, 1941	29.8	Synge, John L. 1943, 1946
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28.47	Stiavelli, Manlio 1938-1939, 1950-1951, 1954	29.11	Szakats, Gábor (Gabriel) 1920-1921, 1924-1925, 1927, 1931
28.48	Stock, Paul 1922-1926	29.12	Szeghő, Konstantin 1928, 1933, 1942
28.49	1927-1930	29.13	Szegő, Gabriel C. (Gábor) and Vusi 1937-1940, 1942, 1945-1946, 1954, 1962
28.50	Stodola, A. 1921-1922, 1926-1927, 1933	29.14	Székely, Elemer (Irme) and George 1924, 1945-1946, 1958
28.51	Strasser, Paula 1959-1961	29.15	Szent-Györgyi, Albert 1946, 1948, 1960
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28.53	Strauss, Lewis L. 1947, 1950-1951, 1959	29.17	Szentkeresztzy, Maritta 1956, 1958, 1962
28.54	Stromberg, Gustaf 1936, 1942	29.18	Szilash, Béla 1937, 1947-1948, 1950
28.55	Stuart, Harold C. 1951, 1953	29.19	Szilvay, Kornel 1925-1926, 1939
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29.21 Takao, Shigezo 1926-
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29.23 Talbot, Bärbel (née
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29.31 Talbot Family
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29.32 Tani, Itiro 1949-1950,
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29.33 Taylor, Geoffrey I.
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29.34 1937-1938, 1946, 1948-
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29.35 Taylor, H. M. 1936-1937

29.36 Taylor, Hugh S. 1948

29.37 Ta Miscellaneous

29.38 Teller, Edward and Mici
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29.39 Temple, G. 1956, 1960-
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29.40 Terradas Via, E. and
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29.41 Terzaghi, Karl V. 1926,
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29.42 Terzioglu, Nazim 1959

29.43 Teubner, B. G. 1924,
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30.2 Theodorsen, Theodore 1939-
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30.3 Thirring, Hans 1924, 1948,
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30.4 Thoma, Dieter 1921, 1925

30.5 Thomas, Shirley 1960-1961

30.6 Thomas, T. Y. 1940-1941,
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30.7 Thompson, M. J. 1936, 1940

30.8 Tietjens, Oskar 1926, 1933,
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30.9 Timoshenko, Stephen P.
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30.13 Toeplitz, Otto 1922,
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30.14 Tolces, Toska 1939, 1941,
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30.15 Tollmien, Walter and Elma
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30.16 Tolnay, Charles de (Karoly)
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30.17 Tomotika, S. 1948-1949

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30.23	Tóth, Charles J. 1941
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30.28	Treffitz, Erich 1917, 1919, 1923-1925
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30.32	Troller, Theodor H. and Margaret 1929-1931, 1934-1936
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30.35	Trujillo, Antonio Rodríguez de 1957-1960, 1962
30.36	Tschelnitz, Henry R. 1946-1947
30.37	Tsien, Hsue-Shen 1940-1946
30.38	1947, 1952-1953, 1956, 1959-1960
30.39	Tsu, Chang Nee 1946
30.40	Tusler, O. Geisenheimer (Mrs.) 1938-1940

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31.9	Valensi, Jacques 1941-1942, 1947-1948, 1950-1952
31.10	Vallentsits, Karl M Edler von 1927-1928
31.11	Valletta, Vittorio 1946, 1949, 1952-1956
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31.13	van den Borren, Charles 1930-1932
31.14	van den Dungen, F. H. 1950-1951
31.15	Vanderheyden, Peter 1920, 1928, 1930-1931
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31.21 Varga, Eugen 1946

31.22 Vassel, Gaston 1951,
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31.23 Va Miscellaneous

31.24 Veblen, Oswald 1933,
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31.25 Vensouneau, F. 1955

31.26 Ventura, Elio 1950,
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31.27 Verduzio, Rodolfo 1923-
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31.28 Vészi, Gábor 1938

31.29 Villat, Henri 1932-1933,
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31.31 Vodar, B. 1948

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31.33 Voros, Fulup 1932, 1951

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31.35 Wada, Koroku and Masako
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31.36 Waermer, Elisabetta 1956

31.37 Wagner, Herbert 1928,
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31.38 Walkowicz, Ted 1947-1948,
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31.39 Wallich, Adolf 1922, 1932,
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31.40 Wang, S. C. 1945

31.41 Warner, Edward P. 1926-
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31.42 Washburn, Cay 1957, 1960,
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31.43 Watt, Florence 1951-1956,
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32.4 1952, 1954-1956, 1959,
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32.5 Wawra, Alois 1938, 1954,
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32.6 Wawra, Cecil Z. 1941-1942,
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32.7 1954-1956, 1958, 1962

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32.10 Wegener, Peter 1951, 1959

32.11 Wehrle, Philippe 1933,
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32.12 Weibull, W. and Jan
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32.13 Weil, Kurt H. 1941, 1945,
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| 32.22 | Wessel, Paul 1944 | 32.40 | Wh-Wi Miscellaneous II |
| 32.23 | Wetter, Anne (Anci) 1949,
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| 32.24 | Weyl, Alfred Richard
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| 32.29 | Wigner, Eugene P. 1950,
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| 32.30 | Willaime, Pierre and
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| 32.32 | Wille, Rudolf 1952-1956 | 33.7 | 1947, 1949-1950, 1953-
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| 32.33 | Willers, Fr. A. 1937-1938 | 33.8 | Wu-Wy Miscellaneous |
| 32.34 | Williams, Marguerite R.
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| 33.11 | Younger, John E. 1938-
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| 33.16 | Zand, Stephen Joseph
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| 33.18 | Zechmeister, László 1940-
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| 33.19 | Zerkowitz, Guido 1922,
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| 33.21 | Zisch, William and
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| 33.22 | Zukowski, Edward and
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| 33.23 | Zurovec, Wilhelm 1922,
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| 33.24 | Zwicky, Fritz 1940, 1947,
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| 33.25 | Clippings and
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| 33.26 | Zworykin, Vladimir 1941-
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1922

Name	Wohnort	Wohnung in Innsbruck
V. Walfrid Ekman Indusg. rapp	Land Sachsen	Grauer Bar Zimmer 73 Burgfeld
Modesto Panetti F.D. Picard Indusg. Arbeiter	Corino (Haben) H.C. Mond Lappig	Grauer Bar Zimmer 82 " " 82 Lützow
C. Wieselburger P. Reuss	Johann Kreuzberg	" Kreuzberg
H. Kirschny	Simmer	Burgfeld
H. Löffel	Münster	Audres Hofstr.
T. Levi-Civita	Roma	Karlberger Hof (H62)
J. Th. Thyse	Haus	Grauer Bar Zimmer 101
A. M. H. H. H. H.	Haus	Grauer Bar Zimmer 104
A. M. H. H. H. H.	Haus	" " 102
Piero Cardonaro	Montano	Grauer Bar Zimmer 106
Dr. Leopold T. W. W.	Wien	" " 107
M. Esotti	Milano	" " 108
Paul Frank	Prag	Grauer Bar Zimmer 109
V. B. B.	Bogen	" " 110
H. Föttinger	Linz	" " 111
H. Föttinger	Wien	" " 112
H. Föttinger	Wien	" " 113
H. Föttinger	Wien	" " 114
H. Föttinger	Wien	" " 115
H. Föttinger	Wien	" " 116
H. Föttinger	Wien	" " 117
H. Föttinger	Wien	" " 118
H. Föttinger	Wien	" " 119
H. Föttinger	Wien	" " 120

Register of scientists attending the Innsbruck Conference on Hydro- and Aerodynamics, September 1922. French and British scientists boycotted the four-day meeting, which attracted 33 applied mathematicians and physicists from seven countries.

Name	Wohnort	Wohnung in Innsbruck
L. Prandtl	Löffingen	Lange Bar 112.
Dr. Förlachner	Wien	Granger Bar 7
T. Pöschl	Prag	" 2
G. Lermann	München	" 139
G. Thoma	München	" Nr. 1.
W. Oseen	Kyssa	" Nr. 64.
C. Prandtl	Innsbruck	Speckbacherstr. 26
G. Trefftz	Breslau	Burggasse.
C. Koenig	Amsterdam	Granger Bar 76
H. J. Baumhau	"	"
J. De Marchi	Roma	Innburger Hof
.....		

Innsbruck was von Kármán's idea. The informal meeting, which disregarded the organization of scientific conferences along traditional research lines, led to the 1st International Congress for Applied Mechanics in 1924, in Delft.

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SECTION II CORRESPONDENCE AND DOCUMENTS:
PROFESSIONAL ORGANIZATIONS AND MEETINGS

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34.2 Academy of Sciences USSR 1937, 1945
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34.3 Congress (Venice 1955)
34.4 General Correspondence 1955-1961
 Advisory Group for Aeronautical Research
 and Development (AGARD)
34.5 Bibliography
34.6 The Fifteen Nations article 1956
34.7 -34.12 General Assembly 1954-1962 (6 folders)
34.13-34.20 General Correspondence 34.13 1952; 34.14 1953;
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 35.8 1961; 35.9 1962-1963
35.10 June Merker Correspondence 1954-1963
35.11 8th International Combustion Symposium
 (Pasadena 1960)
35.12 Lecture Series on Astronautics 1959-1961
35.13 Material Received from AGARD (Lists)
35.14 Membership List and Addresses
35.15 Miscellaneous
35.16 National Delegates Meeting, Proceedings 1957

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36.1 NATO Publications
36.2 -36.10 Panels (9 folders)
36.11 Parliamentarians' Conference 1958, 1962
36.12 Publicity
36.13 Royal Aircraft Establishment, 50th
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36.14 Seminar on Astronautical Propulsion
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37.4	General Correspondence 1951-1963
37.5	World Congress of Flight (Las Vegas 1959)
37.6	Akademische Gesellschaft für Flugwesen 1921
37.7	Allgemeine Elektrizitäts-Gesellschaft 1921-1930
37.8	American Academy of Arts and Sciences 1948-1961
37.9	American Association for the Advancement of Science 1939-1961
37.10	American Association of Physics Teachers 1941-1945
37.11	American Association of University Professors 1935-1962
37.12	American Astronautical Society 1959-1961
	American Geophysical Union
37.13	General Correspondence 1936-1963
37.14	Printed Matter
37.15	American Hungarian Studies Foundation 1959-1963
	American Institute of Physics
37.16	General Correspondence 1933-1954
37.17	Miscellaneous
37.18	Project on the History of Recent Physics in the United States 1962
37.19	American Library Association 1941-1942
	American Mathematical Society
37.20	General Correspondence 1938-1961
37.21	Programs, Memoranda, Miscellaneous
37.22	American Meteorological Society 1959
37.23	American Ordnance Association 1950-1961
	American Philosophical Society
37.24	General Correspondence 1941-1963

Box 38

38.1	Printed Matter
	American Physical Society
38.2	General Correspondence 1946-1961
38.3	Printed Matter

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- 38.4 -38.5 American Rocket Society
General Correspondence 38.4 1944-1957;
38.5 1958-1963
- 38.6 Printed Matter
- American Society of Civil Engineers
- 38.7 General Correspondence 1932-1962
- 38.8 Member Recommendations
- 38.9 Printed and Miscellaneous Matter
- 38.10 Requests for Reviews and Discussion 1928-1945
- 38.11 American Society for Engineering Education
1959-1962
- American Society of Mechanical Engineers
- 38.12-38.13 Applied Mechanics Reviews (2 folders)
- 38.14-38.16 General Correspondence 38.14 1931-1933;
38.15 1934; 38.16 1935

Box 39

- 39.1 -39.3 39.1 1936-1940; 39.2 1941-1947; 39.3
1948-1963
- 39.4 Hydraulics Meeting (Los Angeles 1943)
- 39.5 Manuscripts
- 39.6 -39.7 Meeting Minutes, Programs 1932-1962 (2 folders)
- 39.8 Miscellaneous
- 39.9 Arbeitsgemeinschaft für Forschung des Landes
Nordrhein-Westfalen 1955-1956
- 39.10 Association des Ingénieurs, Liège 1947-1954
- 39.11 Association des Ingénieurs-Docteurs de France
1949, 1961
- 39.12 Association of Hungarian Students in North America
1958-1961
- 39.13 Associazione Internazionale Uomo nello Spazio 1961
- 39.14 Associazione Italiana di Aerotecnica 1946-1961
- 39.15 A Miscellaneous
- 39.16 Belgian American Educational Foundation 1936-1945
- 39.17 Belgian Aero Club Royal 1937

Box 40

- 40.1 British Interplanetary Society 1961
- 40.2 Bureau d'Analyse et de Recherche Appliquées
1958-1961
- 40.3 Bureau d'Études Scientifiques et Techniques 1959
- 40.4 California Rocket Society 1940-1941
- 40.5 Canadian Aeronautical Institute 1958-1963
- Centre National de la Recherche Scientifique
- 40.6 General Correspondence 1945-1951
- 40.7 Symposium on Arid Regions (Algiers 1951)

<u>Folder Number</u>	<u>Title</u>
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Section II Box 40 (continued)

40.8	China, Commission on Aeronautical Affairs of the Republic of 1943-1946
40.9	China Miscellaneous Combustion Institute, International Combustion Symposia
40.10	General Correspondence 1952-1961
40.11	Printed Matter 1954-1962
40.12	Commissariato per l'Aeronautica 1924
40.13	Congrès des Mathématiciens de L'U.R.S.S. (Kharkov 1930)
40.14	Congreso Nacional de Ingenieria Aeronautica (Madrid 1956)
40.15	Congresso Internazionale dei Matematici (Bologna 1928)
40.16	Czechoslovak Academy of Sciences 1962
40.17	C Miscellaneous
40.18	Deutsche Forschungsgesellschaft für Bodenmechanik 1930
40.19	Deutsche Gesellschaft für Raketentechnik und Raumfahrt 1960
40.20	Deutsche Physikalische Gesellschaft 1921-1953 Deutsche Versuchsanstalt für Luftfahrt
40.21-40.22	General Correspondence <u>40.21</u> 1920-1931; <u>40.22</u> 1956-1962
40.23	Reports and Miscellaneous

Box 41

41.1	Deutscher Eisenbau-Verband 1922 Deutscher Forschungsrat für Luftfahrt
41.2	General Correspondence 1930
41.3	Reports and Miscellaneous
41.4	D Miscellaneous
41.5	Eurospace 1961-1962
41.6	E Miscellaneous Flugwissenschaftlichen Vereinigung Aachen
41.7	General Correspondence 1925-1960
41.8	Printed Matter
41.9	Forschungsinstitut für Physik der Strahlantriebe, Stuttgart 1955-1961
41.10	Fondation Européenne de la Culture 1959-1962
41.11	Franklin Institute 1946-1962
41.12	Gesellschaft für angewandte Mathematik und Mechanik 1922-1962
41.13	Guggenheim Fund for the Promotion of Aeronautics 1926-1929
41.14	Guggenheim Jet Propulsion Centers, Annual Reports 1959-1961

Section II Box 41 (continued)

41.15 Guggenheim Medal Board of Award 1958-1963

Box 42

42.1 Guggenheim Memorial Foundation, Fellowship
Recommendations 1940-1962
42.2 G Miscellaneous
42.3 Hamburgische Schiffbau-Versuchsanstalt 1930-1938
42.4 Heat Transfer and Fluid Mechanics Institute
1950-1960
42.5 Hungarian Academy of Sciences 1946-1963
42.6 Hungarian Alumni Association 1961-1962
42.7 Hungarian Civil Aviation Association 1918-1920
42.8 H Miscellaneous
Innsbruck Conference on Hydro- and Aerodynamics
(1922)
42.9 Drafts of Announcements and List of Names
42.10-42.13 General Correspondence 42.10-42.12 1922;
42.13 1923
42.14-42.16 Manuscripts (3 folders)
42.17 Institut de Mécanique des Fluides 1947-1959

Box 43

43.1 Institut de Mécanique Statistique de la
Turbulence 1952-1962
43.2 Institut du Transport Aérien 1959-1962
Institute of the Aeronautical Sciences
43.3 -43.9 General Correspondence 43.3 1934-1938; 43.4
1939-1941; 43.5 1942-1944; 43.6 1945-1949;
43.7 1950-1954; 43.8 1955-1959; 43.9 1960-
1962
43.10-43.12 Journal of the Aeronautical Sciences 1934-1959
(3 folders)
43.13 Kármán Anniversary Issue 1955-1956
Meetings
43.14 Los Angeles 1938
43.15 New York 1957

Box 44

44.1 -44.2 Wichita 1959 (2 folders)
44.3 -44.4 Printed Matter (2 folders)
44.5 Institute for Defense Analyses 1956-1958
44.6 Institute of International Education 1933-1947
44.7 Instituto "Diego Velázquez," 1953-1963
44.8 -44.9 Instituto Nacional de Técnica Aeronáutica
44.8 1948-1955; 44.9 1956-1962

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Section II Box 44 (continued)

44.10	International Association for Hydraulic Structures Research 1937
44.11	International Astronautical Federation Articles and Talks re IAF 1959-1962

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45.1	Astronautica Acta 1955
45.2	Constitution 1952
45.3 -45.5	General Correspondence <u>45.3</u> 1950-1956; <u>45.4</u> 1957-1958; <u>45.5</u> 1959-1963
45.6 -45.7	International Academy of Astronautics Astronautical Foundation (2 folders)
45.8	Draft Statutes 1959
45.9 -45.10	General Correspondence <u>45.9</u> 1959-June 1961; <u>45.10</u> July 1961-1963
45.11	International Symposium on Space Flight (Louveciennes 1961)
45.12	Printed and Miscellaneous Matter
45.13	International Astronautical Congress, 4th 1953

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46.1 -46.10	5th-13th: <u>46.1</u> 1954; <u>46.2</u> 1955; <u>46.3</u> 1956; <u>46.4</u> 1957; <u>46.5</u> 1958; <u>46.6</u> 1959; <u>46.7-46.8</u> 1960; <u>46.9</u> 1961; <u>46.10</u> 1962
46.11	International Committee for the Congresses of Applied Mechanics 1952-1962
46.12	International Congress for Applied Mechanics, 1st 1924

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47.1 -47.17	3rd-9th: <u>47.1</u> 1930; <u>47.2</u> 1934; <u>47.3-47.8</u> 1938; <u>47.9-47.11</u> 1946; <u>47.12-47.13</u> 1948; <u>47.14-</u> <u>47.15</u> 1952; <u>47.16-47.17</u> 1956
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Box 48

48.1	10th: 1960
48.2	International Congress of Physicists (Como 1927)
48.3	International Congress of Pure and Applied Science (New York 1946)
48.4	International Congress on Rheology (Delft 1948)
48.5	International Council of the Aeronautical Sciences Congress 1st-3rd: 1958-1963

Section II Box 48 (continued)

- International Council of the Aeronautical Sciences
(continued)
- 48.6 Council Meeting Minutes 1957
- 48.7 -48.10 General Correspondence 48.7 1957; 48.8-48.9
1958; 48.10 1960-1963
- International Council of Scientific Unions
- 48.11 Committee on Science and its Social Relations
1938
- 48.12 General Correspondence 1946-1958
- 48.13 Joint Committee on Rheology 1948-1949
- 48.14 Joint Committee on Viscosity 1947
- 48.15 Printed Matter
- 48.16-48.18 International Symposia on Rarefied Gas Dynamics,
1st-3rd: 48.16 1958; 48.17 1960; 48.18 1962
- 48.19 International Symposium on Aero-Space Nuclear
Propulsion (Las Vegas 1961)

Box 49

- International Union of Theoretical and Applied
Mechanics
- 49.1 -49.2 Colloquium on Deformation and Flow in Solids
(Madrid 1955)(2 folders)
- 49.3 Draft Statutes 1946
- 49.4 -49.7 General Correspondence 49.4 1946-1948; 49.5 1949;
49.6 1950-1952; 49.7 1953-1962
- 49.8 International Symposium on Fundamental Problems
in Turbulence. . . (Marseilles 1961)
- 49.9 International Symposium on Magneto-Fluid Dynamics
(Washington, D.C. 1960)
- 49.10 Joint Symposium on Problems of Motion of Gaseous
Masses of Cosmical Dimensions (Oslo 1949)
- 49.11-49.13 Printed Matter (3 folders)
- 49.14 Reports 1948-1959 (incomplete)
- 49.15 Internationale Raketen-Tagung (Düsseldorf 1955)
- Israel Society of Aeronautical Sciences
- 49.16-49.17 General Correspondence 49.16 1955; 49.17 1956

Box 50

- 50.1 1957-1962
- 50.2 I Miscellaneous
- 50.3 Japan Miscellaneous
- 50.4 Komitee zur Veranstaltung von Gastvorträgen
Ausländischer Gelehrter der Exakten Wissenschaften
1931
- 50.5 L Miscellaneous

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Section II Box 50 (continued)

	National Academy of Sciences (NAS)
50.6	Atoms for Peace Award 1957, 1959
50.7	Exchange of Scientists between NAS and USSR Academy of Sciences 1962-1963
50.8 -50.10	General Correspondence <u>50.8</u> 1932-1941; <u>50.9</u> 1942-1955; <u>50.10</u> 1956-1963
50.11	Minutes of Biannual Meetings 1945-1957 (incomplete)
50.12-50.15	NAS-Air Research and Development Command Study Project (Woods Hole 1958)(4 folders)
50.16-50.17	Printed Matter <u>50.16</u> 1938-1940, <u>50.17</u> 1941-1942

Box 51

51.1 -51.7	<u>51.1</u> 1943-1944; <u>51.2</u> 1945-1946; <u>51.3</u> 1947-1949; <u>51.4</u> 1950-1954; <u>51.5</u> 1955-1957; <u>51.6</u> 1958-1960; <u>51.7</u> 1961-1962
51.8	Subcommittee on De-Icing 1939-1940
51.9	U.S. National Committee for the International Geophysical Year 1956
51.10	National Aeronautic Association 1938-1960
	National Aeronautics and Space Administration
51.11	General Correspondence 1959-1962
51.12	Open Letter from Iaroslav Malkin 1961
51.13	Printed and Miscellaneous Matter

Box 52

52.1	National Aviation Club 1959-1961
52.2	National Educational Alliance 1938-1939
52.3	National Physical Laboratory 1924-1949
	National Research Council
52.4 -52.8	General Correspondence <u>52.4</u> 1934-1935; <u>52.5</u> 1939; <u>52.6</u> 1940-1941; <u>52.7</u> 1942-1943; <u>52.8</u> 1944-1958
52.9	Printed Matter
52.10	National Rocket Club 1959
52.11	National Safety Council, Aeronautical Section Meeting (Chicago 1940)
52.12	New York Academy of Sciences 1939-1951
52.13	Notgemeinschaft der Deutschen Wissenschaft 1926-1932
52.14	Office National d'Études et de Recherches Aéronautiques 1949-1957
52.15	Pan American Union 1961-1962
	Pontificia Accademia Scientiarum
52.16	General Correspondence 1945-1963
52.17	Printed and Miscellaneous Matter

Section II Box 52 (continued)

- 52.18 O-P Miscellaneous
- 52.19 Reale Accademia d'Italia, Volta Congress (Rome 1935)
Royal Aeronautical Society
- 52.20-52.22 General Correspondence 52.20 1924-1945;
52.21 1947-1953, 52.22 1954-1962

Box 53

- 53.1 Miscellaneous
Royal Society of London
- 53.2 General Correspondence 1946-1961
- 53.3 Prandtl Obituary 1953-1959
- 53.4 Printed Matter
- 53.5 R Miscellaneous
- 53.6 Société Nationale d'Etude et de Construction de
Moteurs d'Aviation 1954-1962
- 53.7 Société Rateau 1946-1947
- 53.8 Sources for History of Quantum Physics 1962
Spanish Institute
- 53.9 General Correspondence 1955-1963
- 53.10 Miscellaneous
- 53.11 Stanford Research Institute 1956-1960
- 53.12 S Miscellaneous
United Nations Educational, Scientific and
Cultural Organization
- 53.13-53.14 Arid Lands Project 53.13 1948-1950; 53.14
1951-1958

Box 54

- 54.1 Committee for Engineering Sciences 1949
- 54.2 General Correspondence 1947-1952
- 54.3 Printed Matter
- 54.4 Reports
U.S. National Committee on Theoretical and Applied
Mechanics
- 54.5 General Correspondence 1950-1961
- 54.6 Printed Matter 1949-1959
- 54.7 U Miscellaneous
- 54.8 Verband für den Fernen Osten 1926-1930
- 54.9 Verein Deutscher Eisenhüttenleute 1922-1930
Verein Deutscher Ingenieure
- 54.10 General Correspondence 1911-1960
- 54.11 Printed Matter 1924-1960
Wissenschaftliche Gesellschaft für Luftfahrt
- 54.12-54.14 General Correspondence 54.12 1921-1927;
54.13 1928-1935; 54.14 1953-1963

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- Wissenschaftliche Gesellschaft für Luftfahrt
(continued)
- 55.1 Printed and Miscellaneous Matter 1921-1963
World Power Conference, American Committee for
Research on Hydraulic Friction
- 55.2 -55.5 General Correspondence 55.2 1933-1934; 55.3-55.4
1935; 55.5 1936-1938
- 55.6 Printed and Miscellaneous Matter
- 55.7 W-Z Miscellaneous

SECTION III CORRESPONDENCE AND DOCUMENTS: COMPANIES AND INDUSTRY

Box 55 (continued)

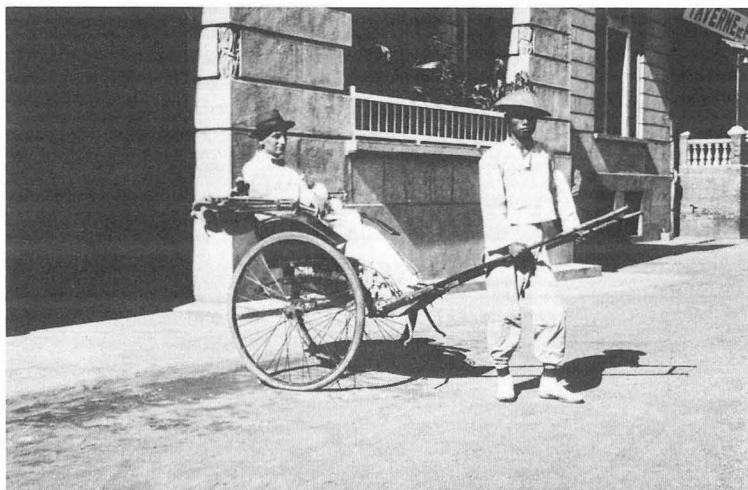
- 55.8 Aachener Kleinbahn-Gesellschaft 1928-1929
Aachener Segelflugzeugbau G.m.b.H.
- 55.9 General Correspondence 1921-1922
- 55.10 Miscellaneous
- 55.11 Proposals and Statements
- 55.12 Academic Press, Inc. 1941-1962
Aerojet-General Corporation (Aerojet Engineering
Corporation)
- 55.13 Consulting Contracts and Statements 1946-1961
- 55.14 Financial Statements 1942-1945

Box 56

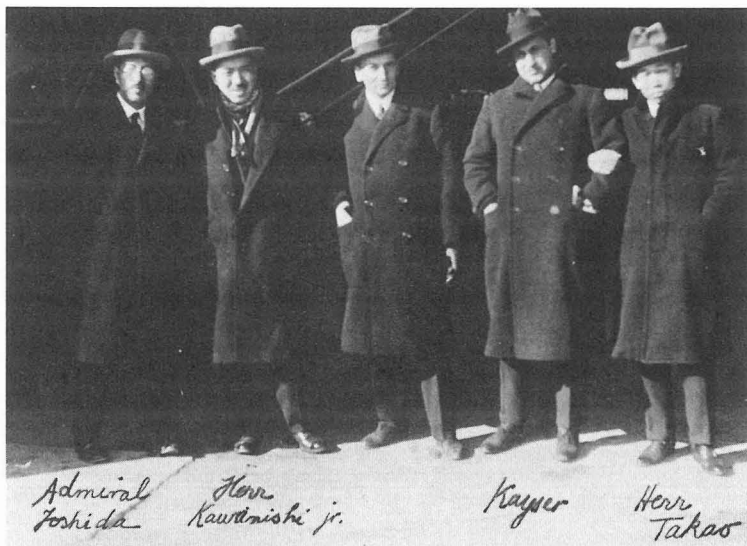
- 56.1 Foreign Operations 1961
- 56.2 -56.5 General Correspondence 56.2 1936-1946; 56.3
1947; 56.4 1950-1958; 56.5 1959-1963
- 56.6 Rocket Committee 1957-1960
- 56.7 -56.8 Stock 56.7 1937-1944; 56.8 1945-1953
- 56.9 -56.12 Technical Advisory Board 56.9 1957-1959;
56.10 1960; 56.11 1961; 56.12 1962-1963
- 56.13 Testimony concerning employment of military and
civilian personnel by defense industries 1959
- 56.14 Air Research Manufacturing Company 1940-1942
- 56.15 Alphons Custodis Chimney Construction Company 1940
- 56.16 Aluminum Company of America 1933-1943
- 56.17 American Airlines, Inc. 1937-1961
- 56.18 American Askania Corporation 1930-1931
- 56.19 American Aviation Publications 1956-1961

Box 57

- 57.1 American Locomotive Company 1933-1937



Von Kármán in Japan, 1927. A consultant to the Kawanishi Airplane Company, he designed the country's first industrial wind tunnel.



A group of Kawanishi engineers, von Kármán, and Erich Kayser, his aeronautical assistant from Germany.

Folder Number Title

Section III Box 57 (continued)

57.2 Amtorg Trading Corporation 1934-1937
 57.3 Annis & Thomas Productions, Inc. 1959-1962
 57.4 Anschütz and Company 1926-1927
 57.5 Archer Aircraft Corporation 1940
 57.6 ARO Inc., Division of Sverdrup and Parcel 1950-1962
 57.7 Askania-Werke, Aktiengesellschaft 1930-1935
 57.8 Associated Factory Mutual Fire Insurance Companies
 1941
 57.9 Astropower, Inc. 1962
 57.10 Atchison, Topeka and Santa Fe Railway Company
 1937-1939
 57.11 Avco Corporation, Avco-Everett Research Laboratory
 1955-1961
 57.12 A Miscellaneous
 57.13 Bell Aircraft Corporation 1940-1955
 57.14 Bell Telephone Laboratories 1932-1940
 57.15 J.T. Bemberg, Aktiengesellschaft 1924
 57.16-57.17 Boeing Airplane Company 57.16 1931-1932; 57.17 1933-
 1960
 57.18 British-Hungarian Bank 1921-1922
 57.19 Brown, Boveri, and Company Ltd. 1931-1946
 57.20 Byron Jackson Co. 1924-1938
 57.21 B Miscellaneous
 Carbagel Industries Corporation
 57.22 General Correspondence 1949-1950

Box 58

58.1 -58.2 Reports, Publications, Miscellaneous (2 folders)
 58.3 Convair 1951-1961
 58.4 Conveyor Company, Inc. 1937-1939
 58.5 Thos. Cook and Son 1926
 58.6 -58.7 Hugh L. Cooper and Co., Inc. 1947 (2 folders)
 58.8 Cornell University Press 1954-1959
 58.9 Curtiss-Wright Corporation 1935-1958
 58.10 C Miscellaneous
 58.11 Detroit Edison Company 1934
 Deutsche Luft Hansa A.G.
 58.12-58.13 General Correspondence 58.12 1927-1930; 58.13 1931-
 1933
 58.14-58.15 Reports 58.14 1927-June 1929, undated; 58.15
 July 1929-1930

Box 59

59.1 1932-1933

Section III Box 59 (continued)

- 59.2 Walt Disney Productions 1941
Douglas Aircraft Company, Inc.
- 59.3 Analysis of the Greene Method ca. 1943
- 59.4 General Correspondence 1934-1962
- 59.5 Rand Project 1948
- 59.6 Dürener Metallwerke Aktiengesellschaft 1925-1928
- 59.7 D Miscellaneous
- 59.8 E Miscellaneous
- 59.9 Fairbanks, Morse and Company 1944
Fairchild Engine and Airplane Corporation,
Fairchild Aircraft Division
- 59.10 Aerodynamics Bulletins 1944-1945
- 59.11 General Correspondence 1942-1958
- FIAT
- 59.12-59.18 General Correspondence 59.12 1937-1947; 59.13
1948-1949; 59.14 1950; 59.15 1951-1953;
59.16 1954; 59.17 1955-1956; 59.18 1957-1963
- 59.19 Information Bulletins, I

Box 60

- 60.1 Information Bulletins, II
- 60.2 Reports
- 60.3 Gustav Fischer Verlag 1933
- 60.4 Flettner Schiffsrunder G.m.b.H. 1925
- 60.5 Flug- & Fahrzeugwerke A.G. 1953-1954
- 60.6 Anthony Fokker 1923-1930
- 60.7 Orell Füssli Verlag 1927
- 60.8 Garbe, Lahmeyer & Co., A.G. 1927-1930
- 60.9 Gasparcolor, Inc. 1951-1963
General Electric Co.
- 60.10-60.15 General Correspondence 60.10 1938-1941; 60.11
1942-1943; 60.12 1944-1946; 60.13 1947;
60.14 1949-1957; 60.15 1958-1963
- 60.16 Reports

Box 61

- General Motors Corporation, Allison Division
- 61.1 -61.3 General Correspondence 61.1 1957-1958; 61.2
1959-1960; 61.3 1961-1963
- 61.4 -61.5 Reports (2 folders)
- 61.6 -61.7 Gesellschaft für Nautische Instrumente G.m.b.H.
1926 (2 folders)
- Goodyear-Zeppelin Corporation
- 61.8 -61.10 General Correspondence 61.8 1926-1932;
61.9 1933-May 1934; 61.10 June-Dec 1934

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Box 64

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- 64.11 The Jam Handy Organization 1942
Junkers-Werke
64.12-64.21 General Correspondence 64.12 1921-1923;
64.13 1924; 64.14-64.15 1925; 64.16 1926;
64.17 1927; 64.18-64.19 1928; 64.20
1929-1931; 64.21 1934-1938
64.22 Patents and Patent Disputes 1910-1913

Box 65

- 65.1 -65.15 65.1 1917-1920; 65.2 1923; 65.3 1924;
65.4-65.5 1925; 65.6 1926; 65.7 1927;
65.8-65.11 1928; 65.12 1929; 65.13
1929-Feb 1930; 65.14 Apr-Dec 1930;
65.15 1934-1937

Box 66

- 66.1 Miscellaneous Patentschriften
66.2 Kabelfabrik Actien-Gesellschaft 1927-1928
66.3 Kaiser Engineers 1960
Kawanishi Kikai Seisakusho (Shin Meiwa Industry
Co., Ltd.)
66.4 -66.12 General Correspondence 66.4-66.5 1926;
66.6-66.8 1927; 66.9 Jan-June 1928;
66.10 July 1928-1929; 66.11 1930-1937;
66.12 1951-1957
66.13 Miscellaneous
66.14 Torpedo Propellers 1929-1930
66.15 Fried. Krupp A.G. 1924
66.16 K Miscellaneous
66.17 Lockheed Aircraft Corporation 1934-1961

Box 67

- Luftschiffbau Zeppelin
67.1 -67.2 General Correspondence 67.1 1921-1922; 67.2
1923-1930
67.3 Graphs and Data
67.4 Report 1925
67.5 I Miscellaneous
67.6 Manufacturas Metálicas Madrileñas, S.A. 1957
67.7 Marquardt Aircraft Co. 1944-1949
67.8 The Glenn L. Martin Company 1940-1959
67.9 Maschinenfabrik Augsburg-Nürnberg, A.G. 1921-1922
67.10 Maschinenfabrik Robert Kunze 1929-1930
67.11-67.12 McGraw-Hill Book Company, Inc. 67.11 1932-1941;
67.12 1942-1962

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Section III Box 67 (continued)

67.13	Metalclad Airship Corporation 1933-1938
67.14	Missiles, Rockets, and Automation Fund, Inc. 1957
67.15	M Miscellaneous
67.16	National Research and Development Corporation 1960
67.17	Curt Neubauer, G.m.b.H. 1926-1927
67.18	North American Aviation, Inc. 1953-1959
67.19	North American Film Corporation 1939
	Northrop Aircraft, Inc.
67.20-67.21	General Correspondence <u>67.20</u> 1939-1942; <u>67.21</u> 1943-1959

Box 68

68.1	J.K. Northrop's Wilbur Wright Lecture 1947
68.2	Reports and Data
68.3	N Miscellaneous
68.4	Oldenbourg Verlag 1921-1922
68.5	Pacific Bridge Company 1940
68.6	Pennsylvania Aircraft Syndicate Limited 1936-1943
68.7	Pergamon Press, Ltd. 1957-1962
68.8	H. M. Petersen 1947
68.9	Petroleum Engineering Associates, Inc. 1952-1953
68.10	Phoenix Chemische Industrie A.G. 1917-1925
68.11	Pratt & Whitney Aircraft 1941
68.12	Prentice-Hall, Inc. 1936-1950
68.13	Princeton University Press 1936-1954
68.14	Professional Consultants, Inc. 1956-1959
68.15	Protective Metal Processing Co., Inc. 1943
68.16	P Miscellaneous
68.17	The Rand Corporation 1956-1960
68.18	Republic Aviation Corporation 1957-1961
68.19	Rota-Werke 1925
68.20	R Miscellaneous
68.21	L. Leybold Shokwan 1927
68.22	Siemens und Halske Aktiengesellschaft 1921-1931
68.23	Theodor Sonnenschein 1936
68.24	Sperry Gyroscope Company, Inc. 1943-1957
68.25	Sperry Products, Inc. 1934-1953

Box 69

69.1	Springer-Verlag 1921-1962
69.2	Standard Telecommunication Laboratories Ltd. 1959
69.3	Stone and Webster Engineering Corporation 1939
69.4	Sulzer Bros. Ltd. 1928, 1948
69.5	Summerbell Roof Structures 1935-1953



An early American portrait of von Kármán.

Section III Box 69 (continued)

69.6 S Miscellaneous
69.7 Thyssen & Co. A.G. 1925
Tool Research and Engineering Corporation
69.8 General Correspondence 1960-1961
69.9 Reports 1959-1961
69.10 Transatlantisches Schnell-Luftschiff-Verkehrssyndikat
1928
69.11 T Miscellaneous
69.12 Ullmann & Seligmann 1932-1939
69.13 United Aircraft & Transport Corporation 1933
69.14 U Miscellaneous
69.15 Vereinigte Windturbinen-Werke A.G. 1925
69.16 Vulcan Powder Co., Inc. 1947
69.17 V Miscellaneous
69.18 Waggonfabrik Talbot
69.19 Washington Offices, Inc. 1948-1949
69.20 West Engineering Company 1947
69.21 Westinghouse Electric & Manufacturing Company
1931-1947
69.22-69.23 John Wiley & Sons, Inc. 69.22 1929-1947; 69.23
1948-1954
69.24 Wm. H. Wise & Co., Inc. 1937-1938
69.25 Wright Aeronautical Corporation 1939-1942
69.26 Carl Zeiss 1931-1936
69.27 W-Z Miscellaneous

SECTION IV CORRESPONDENCE AND DOCUMENTS:
EDUCATIONAL INSTITUTIONS

Box 70

70.1 Air Corps Engineering School 1932
70.2 Air University 1946-1947
70.3 Akron, University of 1930-1942
70.4 Alabama, University of 1940
70.5 American Institute of Aerological Research 1949
70.6 A Miscellaneous
70.7 Belgique, Institut des Hautes Études 1930
Brooklyn, Polytechnic Institute of
70.8 Centennial Conference on High-Speed
Aeronautics 1954-1955
70.9 General Correspondence 1937-1962
Brown University
70.10 General Correspondence 1945-1962
Institute for Applied Mathematics
70.11 Correspondence 1941-1944

Section IV Box 70 (continued)

Brown University, Institute for Applied
Mathematics (continued)
70.12 Memoranda and Miscellaneous
70.13 Bruxelles, Université Libre de 1938-1963
70.14 Budapest, University of, ca. 1919
70.15 B Miscellaneous
70.16 Calasancius Preparatory School 1957-1963

Box 71

California Institute of Technology
71.1 -71.7 Administrative Circulars 71.1 1937-1940;
71.2 1941-1942; 71.3 1943-1945; 71.4 1946;
71.5 1953-1960; 71.6 1961; 71.7 1962-1963
71.8 Aeronautics Department
71.9 Aeronautics Library
71.10 Alumni Association 1940-1962
71.11 Analog Computer Laboratory
71.12 Association of Pasadena Scientists 1945

Box 72

Astrophysical Observatory
72.1 Blueprints
72.2 Engineering Committee Minutes 1936-1937
72.3 200" Telescope, Technical
72.4 Aviation Physiology 1940
72.5 Clippings
72.6 Course Curricula and Schedules
72.7 Durand Reprinting Committee 1942-1952
72.8 Engineering, Science, and Management Defense
Training 1941
72.9 -72.16 General Correspondence 72.9 1929-1931; 72.10
1932-1933; 72.11 1934-1935; 72.12 1936-1937;
72.13 1938-1939; 72.14-72.15 1940; 72.16
Jan-Apr 1941

Box 73

73.1 -73.9 73.1-73.2 May-Dec 1941; 73.3-73.4 1942;
73.5 1943; 73.6 1944-1945; 73.7 1946-1947;
73.8 1948-1957; 73.9 1958-1963
Guggenheim Aeronautical Laboratory of the
California Institute of Technology (GALCIT)
73.10-73.12 History (3 folders)
73.13 Miscellaneous
73.14 Guggenheim Jet Propulsion Center
73.15 Institute Budgets

Folder Number	Title
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Section IV Box 73 (continued)

California Institute of Technology (continued)

Jet Propulsion Laboratory

73.16 Conference Minutes 1944-1945

Box 74

74.1 -74.3	1946-1947 (3 folders)
74.4	Miscellaneous
74.5	Kármán Laboratory of Fluid Mechanics and Jet Propulsion 1961
74.6	Kármán Scholarship 1956-1961
74.7	Metallurgical Research 1941-1942
	Meteorology
74.8	Graduate Course 1933-1941
74.9	Reports
74.10	Research Programs 1936-1937
74.11	Miscellaneous
74.12	National Defense Report 1940
74.13-74.14	Office of the Comptroller <u>74.13</u> 1931-1939; <u>74.14</u> 1940-1943
74.15	Office of the Dean of the Graduate School 1936-1942
74.16	Radio Broadcasts 1940
74.17	Steel Research Program 1937

Box 75

	Wind Tunnels
75.1	Hypersonic
75.2	Miscellaneous
75.3 -75.4	Supersonic (2 folders)
75.5	California State Polytechnic College 1960-1961
	California, University of
75.6	General Correspondence 1933-1962
75.7	Los Alamos Scientific Laboratory 1961
75.8	Scripps Institution of Oceanography 1933-1948
75.9	California, University of Southern 1958-1962
75.10	Carnegie Institute of Technology 1933-1952
75.11	Case School of Applied Science 1940-1943
	Center for Advanced Study in Aeronautical Sciences (CASAS)
75.12	General Correspondence 1946-1950
75.13	Statements
75.14	Central Aero-Hydrodynamic Institute (Moscow) 1926, 1937
75.15	Cincinnati, University of 1941-1952

Section IV Box 75 (continued)

- 75.16 Columbia University
Division of National Defense Research 1941-1943
- 75.17 General Correspondence 1941-1961
- 75.18 Cornell University 1941-1962
- 75.19 Deutsche Forschungsanstalt für Luftfahrt E.V. 1960
- 75.20 Fernschule Jena 1931
- 75.21 Georgia School of Technology 1943-1945
- 75.22 Gulf Park College 1940
- 75.23 Harvard University 1936-1951
Hebrew University of Jerusalem
- 75.24 American Friends of 1945-1960
- 75.25 General Correspondence 1952-1957
- 75.26 Johns Hopkins University 1947-1960
- 75.27 Houston, University of 1954
- 75.28 H Miscellaneous
Illinois Institute of Technology
- 75.29 Armour Research Foundation (Armour Institute
of Technology) 1938-1961
- 75.30 General Correspondence 1940-1950

Box 76

- 76.1 Illinois, University of 1928-1958
- 76.2 Iowa, State University of, Institute of Hydraulic
Research 1942
- 76.3 Jewish National and University Library 1947
- 76.4 L Miscellaneous
Maryland, University of
- 76.5 General Correspondence 1952-1961
- 76.6 Institute for Advanced Study of Fluid Dynamics
and Applied Mathematics 1949-1961
- 76.7 Massachusetts Institute of Technology 1928-1963
- 76.8 Michigan, University of 1928-1963
- 76.9 Minnesota, University of 1933-1963
- 76.10 M Miscellaneous
- 76.11 National Aeronautical Laboratory (Bangalore, India)
1961
- 76.12 National Tsing Hua University 1933-1942
- 76.13 National Wu-Han University 1936
- 76.14 Naval Post Graduate School 1951
- 76.15 New York University 1923-1960
- 76.16 Northwestern University 1947-1963
- 76.17 N Miscellaneous
- 76.18 O Miscellaneous
Pennsylvania, University of
- 76.19 Bicentennial 1940
- 76.20 Foreign Policy Research Institute 1962

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Section IV Box 76 (continued)

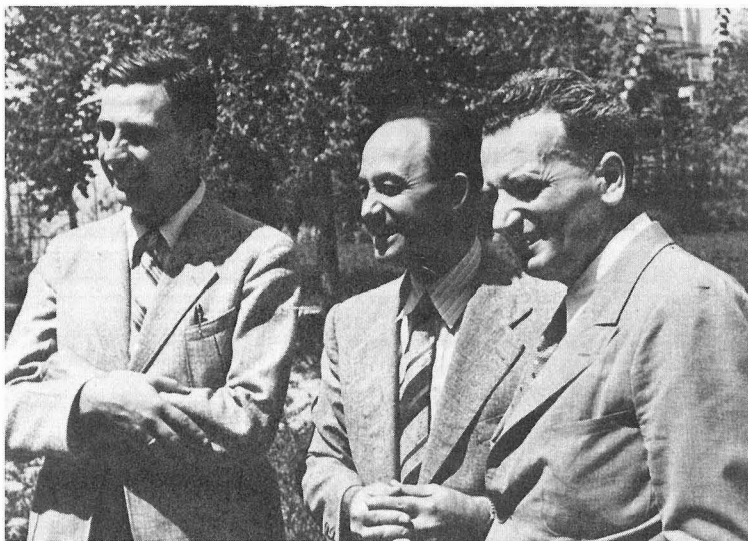
76.21	Pennsylvania State College 1942-1953
76.22	Politecnico di Torino 1962
	Princeton University
76.23-76.24	Aeronautics Publication Program <u>76.23</u> 1947-Apr 1949; <u>76.24</u> May 1949-Feb 1950

Box 77

77.1 -77.4	<u>77.1</u> Mar-Dec 1950; <u>77.2</u> 1951; <u>77.3</u> 1952-1955; <u>77.4</u> 1956-1958
77.5	General Correspondence 1931-1954
77.6	Purdue University 1942-1945
77.7	P Miscellaneous
77.8	R Miscellaneous
77.9	Sevilla, Universidad de 1958
77.10	Soviet Aviation Institutes 1958-1959
77.11	Stanford University 1942-1962
77.12	Stevens Institute of Technology 1941-1959
77.13	S Miscellaneous
	Technion (Israel Institute of Technology)
77.14	Division of Aeronautical Engineering, Kármán Wind Tunnel 1945-1957
77.15	General Correspondence 1926-1962

Box 78

	Technische Hochschule, Aachen
	Aerodynamisches Institut
78.1	Correspondence 1920-1933
78.2	Reports, Inventions, Miscellaneous
78.3	Appointment as Professor 1912
78.4	General Correspondence 1919-1963
78.5	Gesellschaft von Freunden 1920-1961
78.6	Der Rektor 1918-1962
78.7	Technische Hochschule, Darmstadt 1956-1957
78.8	Technische Hogeschool, Delft 1956-1961
78.9	Technische Universität Berlin-Charlottenburg 1952-1963
78.10	Texas, University of 1940-1959
78.11	Tokyo, University of 1923-1960
78.12	Toronto, University of 1928-1942
78.13	T Miscellaneous
78.14	United States Air Force Academy 1956-1957
78.15	V Miscellaneous
78.16	Weizmann Institute of Science 1960-1963
78.17	Wisconsin, University of 1959-1961
78.18	W-Z Miscellaneous



Edward Teller, Enrico Fermi, and von Kármán, Hollywood, 1937.

Von Kármán had just returned from China where he had met Chiang Kai-shek. Fermi asked von Kármán if he minded flying on Chinese planes. According to Teller, von Kármán replied, "'Why should I be afraid? I designed them. However, to get to Chiang's mountain retreat, I was carried on a litter with four bearers, and as they wound around the serpentine, two of the bearers were on one side of the precipice, and the other two on the other side of the precipice, and I was in the middle of the precipice. Then I was scared.'"

SECTION V GENERAL CORRESPONDENCE

Box 78 (continued)

- 78.19 Aachener Burschenschaft Teutonia 1924-1925
- 78.20 Aero Digest 1940-1955
- 78.21 The Aeroplane 1922-1924
- 78.22 Air Force 1952-1959
- 78.23 Alliance Française de Beverly Hills 1959-1962
- 78.24 American Embassy, Military Attaché Office
1922-1958
- 78.25 American Helicopter 1946
- 78.26 American Men of Science 1942-1943
- 78.27 Aviation Week 1960-1962

Box 79

- 79.1 A Miscellaneous
- 79.2 Blackstone Library 1940-1951
- 79.3 British Air Commission 1941-1942
- 79.4 British Embassy 1928
- 79.5 B Miscellaneous
- 79.6 Columbia Broadcasting System ("Face the Nation") 1957
- 79.7 Cooperative Forum 1959
- 79.8 C Miscellaneous
- 79.9 Deutsche Seewarte 1925
- 79.10 Deutsche Verkehrsfliegerschule G.m.b.H. 1927-1931
- 79.11 Deutsche Werft 1925-1926
- 79.12 Développements--Études et Réalisations Spéciales
1951-1952
- 79.13 D Miscellaneous
- 79.14 Emigré Scientists Relief Efforts 1933-1943
- Employment Requests (including refugee scientists)
- 79.15-79.25 79.15 1932-1934; 79.16 1935; 79.17 1936;
79.18 1937; 79.19-79.21 1938; 79.22-79.25
1939

Box 80

- 80.1 -80.5 80.1-80.3 1940; 80.4 1941; 80.5 1942
- 80.6 Engineering News Report, Interview 1960
- 80.7 E Miscellaneous
- 80.8 Federal Emergency Relief Administration 1935
- 80.9 French Consulate 1951-1952
- 80.10 F Miscellaneous
- 80.11 Globus Report 1928
- 80.12 Hungarian Copyright Bureau 1958-1962

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Section V Box 80 (continued)

80.13	H Miscellaneous
80.14-80.15	<u>Interavia 80.14</u> 1951-1955; <u>80.15</u> 1956-1962
80.16	I Miscellaneous
80.17	<u>Journal of Engineering Education</u> 1961
80.18	<u>Journal de Mécanique</u> 1961
80.19	Jungfrauoch Scientific Station 1930
80.20	Letters of Recommendation 1938-1942
80.21	Long Beach <u>Sun</u> ; <u>Press-Telegram</u> 1941
80.22	Los Angeles Chamber of Commerce 1934-1958
80.23	Los Angeles County 1933-1942
80.24	Los Angeles <u>Herald and Express</u> 1961
80.25	Los Angeles Science Center 1956-1958
80.26	Los Angeles Town Hall 1939
80.27	<u>Magyar Album</u> 1959-1960
80.28	Marine-Etablissement, Amsterdam 1935
80.29	<u>Mark Twain Journal</u> 1953-1963
80.30	<u>Metall Wirtschaft Wissenschaft und Technik</u> 1930
80.31	Ministro del Aire, Madrid 1954-1960
80.32	M Miscellaneous
80.33	N Miscellaneous
80.34	Der Oberbürgermeister, various cities 1925-1930
80.35	O Miscellaneous
80.36	Der Preussische Minister für Wissenschaft, Kunst und Volksbildung 1924-1934
80.37	P Miscellaneous
80.38-80.39	<u>Quarterly of Applied Mathematics 80.38</u> 1942; <u>80.39</u> 1943

Box 81

81.1 -81.2	<u>81.1</u> 1944-1946; <u>81.2</u> 1947-1962
81.3	Der Reichsverkehrsminister 1919-1931
81.4	RIAS University-of-the-Air, Berlin 1959
81.5	Rockefeller Foundation 1931-1946
81.6	R Miscellaneous
81.7	Saint Stephen's Catholic Church 1953-1961 Swiss Military Department
81.8	Correspondence 1950
81.9	Reports
81.10	S-U Miscellaneous
81.11	Washington Planetarium and Space Center 1961-1962
81.12	<u>Werft-Reederei-Hafen</u> 1928-1935
81.13	V-Z Miscellaneous



A now historic picture taken in Germany in 1945 when von Kármán headed a technical mission to Europe as director of the Army Air Force Scientific Advisory Group.

Left to right: Hugh Dryden, later Deputy Director of NASA; Ludwig Prandtl, von Kármán's teacher at Göttingen, von Kármán; H. S. Tsien, leading U.S. rocket expert.

SECTION VI UNITED STATES GOVERNMENT FILES

Box 81 (continued)

- 81.14-81.15 Civil Aeronautics Authority 81.14 1937-Mar 1939;
81.15 Apr 1939-1943
81.16 Department of Agriculture, Soil Conservation
Service 1935-1941
Department of Commerce
81.17 General Correspondence 1933-1947
81.18 National Bureau of Standards 1927-1957
81.19 Department of the Interior 1930-1942
81.20 Joint Research and Development Board 1946-1947

Box 82

- National Advisory Committee for Aeronautics (NACA)
82.1 -82.4 Aerodynamics Committee 82.1 1943-1944;
82.2 1945-1946; 82.3 1947; 82.4 1948-1950
82.5 -82.13 General Correspondence 82.5 1920-1935;
82.6 1936-1939; 82.7 1940-1942; 82.8-82.10
1943; 82.11-82.12 1944; 82.13 1945-1946

Box 83

- 83.1 -83.3 83.1 1947; 83.2 1948; 83.3 1950-1956
83.4 Proposals and Contracts
83.5 Reports 1936-1956
83.6 -83.8 Structures Committee 83.6 1940-1941; 83.7 1942;
83.8 1943-1946
83.9 Survey of Aeronautical Research Facilities 1940
National Defense Research Committee (NDRC)
83.10-83.11 Administrative Circulars 83.10 1941-June 1944;
83.11 July 1944-1946
83.12 Contracts
83.13 Financial Reports 1943-1944

Box 84

- 84.1 -84.6 General Correspondence 84.1 1940; 84.2 1941;
84.3-84.4 1942; 84.5 Jan-June 1943; 84.6
July 1943-1946
84.7 -84.10 Memoranda 84.7 1940; 84.8 1941; 84.9 1942-1943;
84.10 1944-1946
84.11 Notes and Miscellaneous
84.12 Organization List 1945
84.13 Proposals 1942, undated
84.14 Reports on Project Status 1942

Section VI Box 85

National Defense Research Committee (NDRC)
(continued)

85.1 -85.11 Technical (11 folders)

Box 86

86.1 -86.4 Technical (4 folders)
86.5 National Science Foundation 1947-1963
 United States Air Force
 Aeronautical Research Laboratory
86.6 Correspondence 1948-1962
86.7 Publications and Photographs
 Air Materiel Command
86.8 Correspondence 1949-1951
86.9 Regulations and Instructions 1949-1951
 Air Research Development Command
86.10 Correspondence 1951-1962
86.11 Miscellaneous 1949-1961
86.12 Proposal for Planform Wing--Powerplant
 System 1954
 Arnold Engineering Development Center
86.13 Blueprints

Box 87

87.1 -87.10 Correspondence 87.1 1945-Apr 1947; 87.2-87.4
 May-Dec 1947; 87.5 1948-1949; 87.6-87.8
 1950; 87.9 1951; 87.10 1955, 1957,
 1959-1960, 1962
87.11 Design Authority 1950
87.12 Gas Dynamics Facility Dedication 1959
87.13 General Orders 1950-1951
87.14 Memoranda 1950-1951
87.15 Memorandum: General Problems Affecting the
 Scientific Success of the AEDC 1947
87.16 Miscellaneous
87.17 Proposals I

Box 88

88.1 Proposals II
88.2 Publicity
88.3 Regulations 1950
88.4 Report on the Chronological History of
 AEDC 1950
88.5 Report on the Proposed Location of AEDC 1949
88.6 Report of the Special Committee on AEDC
 Operation 1950
88.7 Research Program

Folder Number Title

Section VI Box 88 (continued)

United States Air Force, Arnold Engineering
Development Center (continued)

88.8 Scientific Advisory Board Meeting 1948
88.9 Staff Meetings and Activity Reports 1950-1951
88.10-88.11 Technical Memoranda (2 folders)
88.12-88.13 Technical Reports (2 folders)

Box 89

89.1 -89.2 (2 folders)
89.3 Weekly Activity Reports 1950-1951
89.4 Weekly Bulletin and Digest 1950
89.5 General Correspondence 1948-1963
89.6 Human Resources Research and Development
 Program 1948-1949
89.7 Modane Wind Tunnel 1950
89.8 Office of Scientific Research 1956-1960
89.9 Publications 1950
 Scientific Advisory Board
89.10-89.14 Administrative Papers (Agendas, Membership
 Lists, etc.) 89.10 1944-1949; 89.11 1950-1951;
 89.12 1955-1957; 89.13 1959-1960; 89.14 1961-
 1962

Box 90

90.1 -90.12 Correspondence 90.1 1944; 90.2-90.3 1945;
 90.4 1946; 90.5 1947; 90.6 1948-1949;
 90.7 1950; 90.8 1951; 90.9 1952-1953;
 90.10 1954-1955; 90.11 1956-1957; 90.12
 1958-1963
90.13 Teddy Walkowicz 1947-1951
90.14 Frank Wattendorf 1949-1951

Box 91

91.1 Europe Visits 1945, 1947
91.2 Memoranda 1945, 1946, 1949
91.3 Miscellaneous 1944-1951
91.4 Pamphlets
91.5 -91.11 Reports (7 folders)
91.12 Systems Command 1952-1962
91.13 Technical Report 1950
 United States Army
 Ballistic Research Laboratory
91.14-91.17 Correspondence 91.14 1936-1941; 91.15 1942-1944;
 91.16 1945-1946; 91.17 1947-1952, 1960

Section VI Box 91 (continued)

United States Army, Ballistic Research Laboratory
(continued)

91.18 Correspondence re Travel 1940-1946

Box 92

92.1 Reports 1938-1947
92.2 -92.5 Scientific Advisory Committee (4 folders)
92.6 Technical Reports 1940-1950
92.7 General Correspondence 1957-1958
United States Army Air Corps
92.8 Consulting Services
92.9 Correspondence 1934-1947
92.10-92.14 Correspondence re Flutter Investigations
92.10 1940-1941; 92.11 1942; 92.12-92.13
1943; 92.14 1944-1945
92.15 Correspondence re Wind Tunnel 1939-1941

Box 93

93.1 -93.2 93.1 1942; 93.2 1943-1946
93.3 Miscellaneous
93.4 Proposals
93.5 Security Memoranda
93.6 -93.9 Technical Reports (4 folders)
93.10 Wright Field Wind Tunnel, Blueprints and Data
1939 I

Box 94

94.1 -94.5 94.1-94.2 1939 II; 94.3-94.4 1940 I & II;
94.5 1941-1943
94.6 United States Atomic Energy Commission ca 1946, 1948,
1954, 1962
94.7 United States Congress 1948-1962
United States Navy
94.8 Bureau of Aeronautics 1942-1947
94.9 Bureau of Ordnance 1942-1949
94.10 Bureau of Ships 1941-1944
94.11 General Correspondence 1932-1961
Naval Ordnance Laboratory
94.12 Correspondence 1944-1959
94.13 Miscellaneous
94.14 Technical Report

Box 95

Office of Naval Research
95.1 General Correspondence 1949-1962

Section VI Box 95 (continued)

United States Navy, Office of Naval Research
(continued)

95.2 Miscellaneous
 Project Squid

95.3 -95.5 General Correspondence 95.3 1946;
 95.4 1947-1949; 95.5 1950-1951

95.6 Miscellaneous
 Monthly Progress Reports

95.7 Cornell 1946-1949

95.8 New York University 1946-1948

95.9 Poly. Inst. Brooklyn 1946-1949

95.10 Princeton 1946-1949

95.11 Purdue 1946-1949

95.12 Policy Committee, Agenda, Minutes
 1946-1950

95.13 Technical Committee, Minutes 1946-1947

95.14 Technical Reports, Poly. Inst.
 Brooklyn 1948

Box 96

96.1 Princeton 1946-1950

96.2 Technical Reports, Miscellaneous

96.3 Taylor Model Basin Report 1951

96.4 White House 1956-1961

SECTION VII TECHNICAL FILES

Box 96 (continued)

96.5 Aircraft Engines, Hot Wire Anemometer Technique
 1939-1940

96.6 Airport Observation Tower 1938

 Airships

96.7 Bibliography

96.8 -96.11 Calculations (4 folders)

96.12 Charts

96.13 General Correspondence 1931

Box 97

97.1 -97.14 97.1-97.2 1932; 97.3 1933; 97.4 1934;
 97.5-97.9 1935; 97.10-97.12 1936;
 97.13-97.14 1937



A 1:50 scale model of the Tacoma Narrows Bridge, assembled for tests in a specially designed wind tunnel at the University of Washington. Von Kármán, who was called in as a consultant to investigate the bridge's failure, showed that the torsional oscillations could be explained by his own 1911 work on vortex patterns.

Folder Number	Title
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Section VII Box 98

98.1 -98.5	Airships, General Correspondence (continued) <u>98.1</u> 1938; <u>98.2</u> 1939; <u>98.3</u> 1940; <u>98.4</u> 1941-1946, 1949; <u>98.5</u> undated
98.6 -98.7	Guggenheim Airship Institute Blueprints (2 folders)
98.8	Budgets 1929-1933
98.9	Conference and Dedication of Institute 1932
98.10	Contracts
98.11	Miscellaneous
98.12	Photographs
98.13	Progress Reports 1932-1937
98.14	Ms. by Kármán: "Some Remarks on the Dynamics of Airships" (undated)
98.15 -98.16	Meteorological Notes and Data (2 folders)
98.17	Miscellaneous
98.18	Reports (1 folder)

Box 99

99.1 -99.5	(5 folders)
99.6 -99.9	Special Committee on Airship Design and Construction, Reports and Miscellaneous (4 folders)
99.10 -99.25	Technical Memoranda and Reports (16 folders)

Box 100

100.1	U.S.S. Macon 1935-1936
100.2 -100.3	Atmospheric Diffusion 1936 (2 folders)
100.4	Autobahn, Frankfurt 1926
100.5	Bibliography of Aerodynamics Topics, ca 1925 Bridges, Suspension
100.6 -100.8	Advisory Committee on the Investigation of Long-Span Suspension Bridges <u>100.6</u> 1942-1943; <u>100.7</u> 1944-1953; <u>100.8</u> Miscellaneous
100.9	Circular Letters, Federal Works Agency 1944-1956
100.10-100.13	General Correspondence <u>100.10</u> 1940; <u>100.11-100.13</u> 1941

Box 101

101.1 -101.10	<u>101.1-101.2</u> 1942; <u>101.3-101.5</u> 1943; <u>101.6-101.7</u> 1944; <u>101.8</u> 1945; <u>101.9</u> 1946-1948; <u>101.10</u> 1950-1958
101.11	Tacoma Narrows Bridge Consulting Board Minutes 1941-1943

Section VII Box 102

Bridges, Suspension, Tacoma Narrows Bridge (continued)

102.1 Drawings and Blueprints
102.2 Photographs
102.3 -102.5 Progress Reports on Construction
 102.3 1933-1935, 1938; 102.4 1939;
 102.5 1940
102.6 -102.10 Technical Reports (5 folders)

Box 103

103.1 -103.6 (6 folders)

Box 104

104.1 -104.6 (6 folders)
104.7 -104.11 Calculations (5 folders)

Box 105

105.1 -105.6 (6 folders)
105.7 Concrete Walls 1933
105.8 -105.10 Data (3 folders)
105.11 Drawings
105.12 Earthquake Reports 1933, undated

Box 106

106.1 Elasticity, Miscellaneous
106.2 Glass 1930-1933
Gliders
106.3 Miscellaneous
106.4 Papers and Reports 1923, undated
106.5 Photographs and Drawings
106.6 High-Altitude Flight 1947
Hydraulics
106.7 -106.8 Bureau of Reclamation Project 1938-1940
 (2 folders)
106.9 -106.16 General Correspondence 106.9 1930-1932;
 106.10 1933-1934; 106.11 1935; 106.12 1936;
 106.13 1937; 106.14-106.15 1938; 106.16
 Jan-July 1939

Box 107

107.1 -107.4 107.1 Aug-Dec 1939; 107.2-107.3 1940;
 107.4 1941-1943
107.5 Metropolitan Water District Project
 Blueprints

Folder Number Title

Section VII Box 107 (continued)

	Hydraulics, Metropolitan Water District Project (continued)
107.6	Data
107.7	Laboratory Equipment
107.8	Proposals and Budgets
107.9	Pump Research Conference Memoranda 1933-1934
107.10	Report on Hydraulic Machinery Laboratory
107.11	Miscellaneous
107.12-107.18	Technical Reports (7 folders)
107.19	Laminar Flame Propagation 1956 Report

Box 108

108.1	Miscellaneous
	Patents
108.2	Air Mail 1921
108.3	Air Pumps 1925
108.4	Aircraft, Mss and Reports
108.5	Amphibious Car 1941
	Baldur-Leichtbaustoff
108.6 -108.7	Correspondence <u>108.6</u> 1925; <u>108.7</u> 1926-1929
108.8	Legal Documents and Miscellaneous
108.9	Technical Data, Graphs
	Helicopters
	Captive Helicopter (Schraubenfesselflieger)
108.10	Correspondence 1917-1923
108.11	Graphs, Data
108.12	Miscellaneous
108.13	Reports and Reprints
108.14	Clippings
	Rotary Control
108.15	Correspondence 1956-1960
108.16	Specifications and Miscellaneous
108.17	Legal Papers 1922-1933
108.18	Night Landing 1923

Box 109

	Patent Specifications
109.1	Kármán
109.2 -109.6	Miscellaneous, by nationality (5 folders)
109.7	Patents and Inventions by Others
109.8	Photostats and Clippings
	Propellers
109.9	Blueprints
109.10-109.11	General Correspondence <u>109.10</u> 1930-1931; <u>109.11</u> 1932-1934

Section VII Box 109 (continued)

Patents, Propellers (continued)
109.12 Legal and Technical Papers
109.13 Miscellaneous Patents
109.14 Wesnigk-Zagorski process for
manufacture 1927-1930
109.15 Refrigerator Cars, ca 1935
109.16 Sealed Tanks 1918-1923
109.17 Seaplanes 1929

Box 110

Turbine Blades (Turbokompressor-Schaufelung)
110.1 -110.10 General Correspondence 110.1 1921;
110.2-110.3 1922; 110.4-110.5 1923;
110.6 1924; 110.7 1925; 110.8 1926;
110.9 1927; 110.10 1928-1936
110.11 Legal Papers 1924-1926
110.12 Miscellaneous Patents
110.13-110.18 Technical Papers and Blueprints
(6 folders)

Box 111

111.1 Plasticity, Calculations, Data and Reprints
111.2 Propulsion, Memoranda and Notes 1936, 1944,
undated
111.3 "Singing" Propellers and Turbines,
Calculations and Report 1939, undated
111.4 Skin Friction, Miscellaneous
111.5 Submarines, Data and Reports 1921, 1949, undated
Wind Mills and Turbines
111.6 Aeroelectric Substation 1935-1936
111.7 Calculations 1939-1943, undated
111.8 Drawings and Graphs 1939-1940
111.9 -111.14 General Correspondence 111.9 1935;
111.10 1936-1937; 111.11-111.12 Oct-Dec 1939;
111.13-111.14 Jan 1940

Box 112

112.1 -112.11 112.1-112.5 Feb-Dec 1940; 112.6-112.8
1941; 112.9 1942; 112.10 1943; 112.11
1944-1950
112.12 Reprints

Box 113

Smith-Putnam Wind Turbine
113.1 Miscellaneous



Von Kármán receiving the National Medal of Science from President Kennedy, February 1963. At the far right is Jerome Wiesner, and behind him is Lee A. DuBridge.



Von Kármán was the first recipient of the U.S. National Medal of Science.

<u>Folder Number</u>	<u>Title</u>
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Section VII Box 113 (continued)

	Wind Mills and Turbines, Smith-Putnam Wind Turbine (continued)
113.2	Photographs
113.3 -113.14	Technical Reports (12 folders)

Box 114

114.1 -114.10	(10 folders)
	Wind Tunnels
114.11	Brazilian 1938
114.12	Russian 1936

SECTION VIII PUBLICATION CORRESPONDENCE

Box 115

115.1	<u>Aerodynamics</u> , General Correspondence 1953-1955
115.2 -115.4	<u>Collected Works</u> , General Correspondence <u>115.2</u> 1951-1952; <u>115.3</u> 1954-1955; <u>115.4</u> 1956-1957
	Memoirs
115.5 -115.6	General Correspondence <u>115.5</u> 1957-1959; <u>115.6</u> 1960-1961, 1963
115.7	Notes and Outlines
115.8	Book Reviews
115.9 -115.14	Correspondence re Lectures and Talks Given <u>115.9</u> 1935-1947; <u>115.10</u> 1948-1952; <u>115.11</u> Thurston Lecture 1950; <u>115.12</u> Fulbright Lecture 1951; <u>115.13</u> 1953-1955; <u>115.14</u> 1955-1956

Box 116

116.1 -116.5	<u>116.1</u> Lanchester Lecture 1957; <u>116.2</u> 1957-1959; <u>116.3</u> 1960-1961; <u>116.4</u> Symposium for Nuclear Propulsion 1961; <u>116.5</u> 10th International Meeting on Communications 1962
116.6	Correspondence re Publication of Kármán's Papers in Magazines and Books 1947-1961
116.7	Invitations to Give Talks, Lectures, and Seminars 1946-1962
116.8	Invitations to Submit Papers or Articles 1946-1959
116.9	List of Kármán's Publications
116.10-116.14	Reprint Requests <u>116.10</u> 1936-1939; <u>116.11</u> 1940; <u>116.12</u> 1941; <u>116.13</u> 1942; <u>116.14</u> 1943

SECTION IX MANUSCRIPTS

Box 117

Course Lectures

- | | |
|--------------|--|
| 117.1 | 1910 "Übungen Zur Mechanik" |
| 117.2 -117.3 | 1920 "Mechanik I" (2 folders) |
| 117.4 | 1920-1921 "Mechanik II" |
| 117.5 | 1926-1927 "Zwölf Vorträge Über Ausgewählte Kapitel der Aerodynamik" Gehalten in Washington und Tokyo, Foreword and Table of Contents |
| 117.6 | I "Die Quellen des Luftwiderstandes" |
| 117.7 | II "Grenzschicht und Oberflächenreibung" |
| 117.8 | III "Die Theorie des Auftriebs" |
| 117.9 | IV "Die Theorie des Induzierten Widerstandes" |
| 117.10 | V "Grundriss der Theorie der Luftschrauben" |
| 117.11 | VI "Luftkräfte an Luftschiffhüllen" |
| 117.12 | VII "Mathematische Theorie des Bombenwurfes" |
| 117.13 | [unnumbered] "Festigkeit der Luftschrauben" |
| 117.14 | "Über die Stabilität der Flugzeuge" |
| 117.15 | "Flugtechnik und Flugwissenschaft" |
| 117.16 | Miscellaneous English Versions |
| 117.17 | 1936 "Compressible Fluids" |
| 117.18 | 1936 "Theory of Turbulence" |
| 117.19 | 1944 "Jet Propulsion" |

Box 118

Lecture Notes

- | | |
|-------|---|
| 118.1 | 1912 (in German) |
| 118.2 | ca 1949 "Prepared Comment to the Lecture of Dr. H. Tsien on Fundamental Problems in Rocket Development" |
| 118.3 | 1956 re Aerothermochemistry |
| 118.4 | 1960 Edison Lecture |
| 118.5 | 1961 Williamsburg Meeting |
| 118.6 | Miscellaneous |

Manuscripts of Books

- | | |
|--------------|--|
| 118.7 -118.8 | <u>Cours de Mécanique des Fluides</u> (with C. Sadron) (2 folders) |
| 118.9 | Incomplete re Aerodynamics |

Folder Number Title

Section IX Box 118 (continued)

Manuscripts and Notes, General

118.10	ca 1918 re Popper-Lynkeus
118.11	1920 "Nährpflicht statt Wehrpflicht"
118.12	ca 1920 Review of C. Bach's <u>Elastizität und Festigkeit . . .</u>
118.13	ca 1920 Review of <u>Ludwig Boltzmanns Vorlesungen über die Prinzipie der Mechanik. - Dritter Teil . . .</u>
118.14	1922 re 'Motorlose Fliegen'
118.15	ca 1927 "'Jongchina'"
118.16	1929 "Bericht über einen Besuch in Nanking"
118.17	1929 "Gegenwart und Zukunft des Weltluftverkehrs"
118.18	1929 "Gutachtliche Äusserung zu dem Bauvorhaben der deutschen Versuchsanstalt für Luftfahrt . . ."
118.19	1930 "Gutachtliche Äusserung über die Anlage eines Flugplatzes für den Aachener Bezirk"
118.20	ca 1930 "Mathematik und Technische Wissenschaften"
118.21	ca 1930 "Organisation und Entwicklungsstand der zivilien Luftfahrt in den Vereinigten Staaten . . ."
118.22	ca 1930 "Bericht über ortsfeste Anlagen für die Handelsluftfahrt in den Vereinigten Staaten . . ."
118.23	ca 1933 "Die Sitzung im Himmel"
118.24	1934 "Kongress in Cambridge"
118.25	1943 "Aeronautical Research in Peace and War-- Abstract"
118.26	1945 "Speech of Professor Theodore Karman . . . at the session of the Dept. of Technical Sciences of the Academy of Sciences of the USSR . . ."
118.27	ca 1948 "Progress in Aviation"
118.28	1953 "International Cooperation in Aeronautical Science"
118.29	1953 Messenger Lecture
118.30	ca 1953 "Rockets" and "The Role of the Rocket Industry"
118.31	1954 "The Next Fifty Years"
118.32	1954 Wright Brothers Memorial Trophy Speech
118.33	ca 1955 re aeronautical development
118.34	1957 "Rocket into Cosmic Space"
118.35	ca 1957 "Aus meiner Göttingener Studienzeit"
118.36	1959 Preface to book on rocket propulsion
118.37	ca 1959 re William F. Durand

Section IX Box 118 (continued)

Manuscripts and Notes, General (continued)

- 118.38 1960 "Engineering Education in Our Age"
- 118.39 1961 "Scientific Cooperation in NATO"
- 118.40 1962 Radio talk with Swami Siddheswarananda
(in French)
- Undated
- 118.41 (English) "Ackeret as International Scientist"
- 118.42 "The Modern Revival of Applied Mechanics"
- 118.43 (French) "Formation des Ingénieurs de
Recherches dans les Universités Americaines"
- 118.44 (German) "Die Flugwissenschaftliche Forschung
und die Zukunft der Luftfahrt"
- 118.45 "Die Landüng"

Box 119

- 119.1 "Die Reise eines Mathematikers zum die Welt"
- 119.2 "Wissenschaftliche Zusammenarbeit in den
NATO-Länden"

119.3 Miscellaneous Notes and Mss

Manuscripts and Notes, Technical

- 119.4 1908 "Die Widestandsfähigkeit der gewellten
Flammrohre gegen aüsseren Druck"
- 119.5 1913 "Festigkeit"
- 119.6 1917 "Nachhang zum Gutachten"
- 119.7 ca 1918 "Ergänzungsblatt zu den Studien über
die Kennzeichnung des Flugzustandes"
- 119.8 1920 "Gutachten über Arbeitsverhältnisse
und Dimensionierung eines Schaltwerkgetriebes"
- 119.9 ca 1920 (notes) "Technische Grundlagen und
wissenschaftliche Aussichten des
Luftverkehres mit besonderer Rücksicht auf
Heeres- und Übergangswirtschaft"
- 119.10 1921 "Concept"
- 119.11 1921 "Die mittragende Breite"
- 119.12 1922 See Innsbruck Conference on Aero- and
Hydrodynamics
- 119.13 1922 "Über den motorlosen Flug"
- 119.14 1925 "Gutachten zu der Frage der rheinischen
Autobahnen"
- 119.15 1925 "Über die Frage der Schwingungsfestigkeit
mit besonderer Berücksichtigung der
O. Föppl'schen Veröffentlichungen"
- 119.16 ca 1925 "Soaring Flight--Its Principles and
Practical Realization"
- 119.17 ca 1925 re "Beitrag zur Theorie des
Walzvorganges"

Folder Number	Title
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Section IX Box 119 (continued)

Manuscripts and Notes, Technical (continued)

119.18	1927 "Begutachtung des Projektes Aero-Elektrische Schnellbahn Kobe-Osaka"
119.19	1927 "Mechanische Ähnlichkeit und Turbulenz"
119.20	ca 1930 "Mechanical Similarity and Turbulence"
119.21	1931 "Gutachten über günstigste Schraubendrehzahl für einen 800 PS Motor"
119.22	1932 "Die Entwicklungsrichtung der Flugeigenschaften"
119.23	1932 "Theorie des Reibungswiderstandes"
119.24	1932 "Problems in Thin-Walled Structures"
119.25	1934 "Some Aspects of the Turbulence Problem"
119.26	1935 "Neue Darstellung der Tragflügeltheorie"
119.27	1935 "The Problem of Resistance in Compressible Fluids"
119.28	ca 1935 "The Mechanics of High Speed Flow of Water in Open Channels"
119.29	1936 "Discussion of Dr. H. Rouse's Paper on 'Modern Conceptions of the Mechanics of Fluid Turbulence'"
119.30	1937 <u>re</u> Fluid Resistance
119.31	1937 "The Fundamentals of the Statistical Theory of Turbulence"
119.32	1938 "Some Remarks on the Statistical Theory of Turbulence"

Box 120

120.1	1939 "Use of Orthogonal Functions in Structural Problems"
120.2	1940 "Problems of Flow in Compressible Fluids"
120.3	1941 "Compressibility Effects in Aerodynamics"
120.4	1942 "The Role of Fluid Mechanics in Modern Warfare"
120.5	1944 "Faster than Sound"
120.6	1947 "Aerodynamic Considerations on the Formation of Sandripples"
120.7	1947 "On the Deformation of a Half-annular Plate due to Non-uniform Thermal Expansion"
120.8 -120.9	1947 "Supersonic Aerodynamics-Principles and Applications" (2 folders)
120.10	1947 "Theoretical Considerations on Stability and Control at High Speeds"
120.11	ca 1947 "The Similarity Law of Transonic Flow"
120.12	1948 "L'Aérodynamique et l'Art de l'Ingénieur"

Section IX Box 120 (continued)

Manuscripts and Notes, Technical (continued)

- 120.13 1948 "On the Spectrum of Isotropic
Turbulence"
120.14 1948 "Problèmes Posés Par l'Écoulement
Transonique"
120.15 1948 (note) "Sur La Théorie Statistique de
la Turbulence"
120.16 ca 1948 re Supersonic Aerodynamics
(in French)
120.17 1948-1949 "Progress in the Statistical
Theory of Turbulence"
120.18 1949 "On the Statistical Theory of Isotropic
Turbulence"
120.19 ca 1949 "The Estimation of Supersonic Wind
Tunnel Diffuser Efficiencies"
120.20 ca 1949 "Theoretical Remarks on Thrust
Augmentation"
120.21 1950 "Specific Power Required for Propulsion
of Vehicles (What Price Speed?)"

Box 121

- 121.1 ca 1950 "Turbulence and Aerodynamic Noise"
121.2 ca 1950 re Jet-Assisted Take-off
121.3 1952 "On the Foundation of High Speed
Aerodynamics"
121.4 1952 "Thermal Theory of a Laminar Flamefront
near to a Cold Wall"
121.5 1953 "Aerothermodynamics and Combustion Theory"
(Princeton Lectures)
121.6 1953 "Was Soll der Ingenieur von Turbulenz
Wissen?"
121.7 ca 1953 re Aerothermodynamics and Combustion
(Paris Lectures)
121.8 ca 1953 "A Few Comments on Rocketry"
121.9 1955 "Solved and Unsolved Problems of High
Speed Aerodynamics"
121.10 ca 1955 "Boundary Layer Theory"
121.11 ca 1955 "Fundamental Equations in
Aerothermochemistry"
121.12 1956 "The Present Status of the Theory of
Laminar Flame Propagation"
121.13 1957 Lanchester Memorial Lecture
121.14 ca 1957 "Comments to the Contribution of
D.B. Spalding: 'Recent Progress in Flame
Theory'"
121.15 ca 1957 re Magnetohydrodynamics

Folder Number	Title
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Section IX Box 121 (continued)

	<u>Manuscripts and Notes, Technical (continued)</u>
121.16	1958 "Aerothermodynamic Problems of Combustion"
121.17	1958 "Introduction for Advanced Aero-engine Testing"
121.18	1958 "Magnetofluidmechanics, A General Lecture"
121.19	1958 "Some Significant Developments in Aerodynamics since 1946"
121.20	ca 1958 "Progress in Theory of Turbulence"
121.21	1959 "Perfectionism or Reliability"
121.22	1959 "Some Comments on Applications of Magnetofluidmechanics"
121.23	1961 "The Developing Role of Nuclear Energy in Aerospace Technology"

Box 122

	Incomplete Manuscripts
122.1	ca 1956 <u>re</u> Laminar Flame Propagation
122.2	undated <u>re</u> Aerodynamics
122.3	<u>re</u> Turbulence
122.4	Miscellaneous English
122.5	French
122.6 -122.8	German (3 folders)
122.9	Hungarian
	Undated - English
122.10	"Aerothermochemistry deals with flow phenomena . . ."
122.11	"Contributions to the Theory of Wave-Resistance"
122.12	"Discussion of Mr. W.S. Farren's Wright Brothers Lecture"
122.13	"Drag and Lift of Flat Bodies at Supersonic Speeds"
122.14	<u>re</u> Flutter
122.15	"On Future Possible Developments of Light Weight Internal Combustion Engines"
122.16	"Heavenly Turbulence"
122.17	Introduction to the Paper "Laminar Flame Propagation in Premixed H ₂ -Br ₂ Flames"
122.18	"Non-Linear Problems in Elastic Stability"
122.19	"Notes relating to the Dynamic Lift Exercised by a Fluid Stream on Immersed Symmetrical Particles"

Section IX Box 122 (continued)

Manuscripts and Notes, Technical (continued)

Undated - English (continued)

- 122.20 Notes re Combustion
122.21 "Our Present Knowledge of Turbulent Flow"
122.22 "Summary of the Moment Theory in Plastic
Beams"
122.23 "On the Theory of Underwater Explosion"

Box 123

Undated - French

- 123.1 "L'Aéro - Thermodynamique"
123.2 "JATO Décollage Assisté par Fusées"
123.3 "Problème de l'Écoulement Transonique"
123.4 "Les Sillages Non Stationnaires"
123.5 "Théorie Statistique de la Turbulence"
123.6 re Turbulence
123.7 Miscellaneous (in French)

Undated - German

- re Aerodynamics
123.8 "Bemerkungen zum Patent betr. Erzeugung
123.9 einer erhöhten Zirkulation durch
besondere Anordnung der Luftschrauben"
123.10 "Berechnung der Ventilation und Kühlung"
123.11 "Berechnung versteifter Rohre gegen
äusseren Druck"
123.12 "Dimensionlose Grössen in Grenzgebieten der
Aerodynamik"
123.13 "Elastizitätslehre"
123.14 "Festigkeitsrechnung von Propellern"
123.15 "Gelöste und ungelöste Probleme der
Aerodynamik"
123.16 "Kritische Geschwindigkeit rasch laufender
Wellen"
123.17 "Landungstoss bei Schwimmern"
123.18 "Mechanisch-physikalische Fragen der
Luftfahrt"
123.19 "Mitchell's Theorie des Wellenwiderstandes
und das 'Schiff geringsten Widerstandes'"
123.20 "Probleme und Methoden der Luftfahrtforschung"
123.21 "Zur Theorie der Wärmeleitung im Kristallen"
123.22 "Über das sog. Beiplanimeter"
123.23 "Über die Stabilität rotierender Wellen
(Bemerkgen um der Arbeit von Herrn v.
Mises)"
123.24 "Wärmeausgleich in Kristallen im Lichte der
Quantenmechanik"

Folder Number	Title
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Section IX Box 123 (continued)

Manuscripts and Notes, Technical (continued)

Undated - German (continued)

123.25 Miscellaneous (in German)

123.26-123.27 Undated - Hungarian (2 folders)

Reprints (selected)

123.28 1907 "A német természettudósok ez évi drezdai nagygyűléséről"

123.29 1908 "Details of the English Technical Educational System" (in Hungarian and English)

123.30 1908 "Recent Investigations Regarding the Flow Phenomena of Vapors and Gases" (in Hungarian)

123.31 1915 "Investigations into Elastic Limit and Fracture Conditions" (English translation of Hungarian paper)

123.32 1916 "Das Gedächtnis der Materie"

123.33 1927 "On the Development of the Airplane" (in Japanese)

123.34 1927 "Seven Lectures on Selected Problems in Aeronautics"

Box 124

124.1 1930 "Erwiderung"

124.2 1935 "Some Aspects of the Turbulence Problem"

124.3 1935 "A Theoretical Investigation of the Maximum-Lift Coefficient" (with C.B. Millikan)

124.4 1937 "Turbulence"

124.5 1940 "The Engineer Grapples with Non-Linear Problems"

124.6 1945 "Faster than Sound"

124.7 1947 "Supersonic Aerodynamics-Principles and Applications"

124.8 1948-1950 Instituto Nacional de Técnica Aeronautica [see folder for listing]

124.9 1949 "Theoretical Remarks on Thrust Augmentation"

124.10 1957 "Algunas Reflexiones Sobre el Estado Actual de la Astronautica"

124.11 1958 "Magnetofluidomecanica"

124.12 1959 "Magnetofluidmechanics. Some comments in memory of Donát Bánki"

124.13 1960 "Introductory Note" (Astronautica Acta)

124.14 1960 "Introductory Remarks to the Fourth AGARD Combustion and Propulsion Colloquium . . ."

Section IX Box 124 (continued)

Reprints (selected) (continued)

- 124.15 1961 "Achievements in Cooperative Research
in NATO"
- 124.16 1961 "Engineering Education in Our Age"
- 124.17 undated "Aerodynamique"

Papers by Other Writers (includes manuscripts, reports, preprints, reprints, lectures, etc.)

- 124.18 Adams, Mac C.
- 124.19 Arnstein, Karl
- 124.20 Balada, E.
- 124.21 Baker, Kemper W.
- 124.22 Baker, Ralph D.
- 124.23 Bakhmeteff, Boris A.
- 124.24 Banton, C.W.
- 124.25 Baudot, François
- 124.26 Beanfield, R. McC.
- 124.27 Benfield, A.E.
- 124.28 Benioff, Hugo
- 124.29 Bergmann, Stefan
- 124.30 Bertin, Jean
- 124.31 Bienen, Th.
- 124.32-124.33 Biot, M.A. (2 folders)

Box 125

- 125.1 Blench, T.
- 125.2 Bollay, William
- 125.3 -125.4 Bollenrath, Franz (2 folders)
- 125.5 Bolza, Hans
- 125.6 Brahtz, John F.
- 125.7 Brahtz, J.H.A.
- 125.8 -125.9 Breguet, Louis (2 folders)
- 125.10 Broszko, M.
- 125.11 Bruck, I.
- 125.12-125.15 Burgers, J.M. (4 folders)
- 125.16 Byrne, Ralph
- 125.17 Cardwell, F.D.
- 125.18 Chang, C.C.
- 125.19 Charwat, Andrew F.
- 125.20 Chilowsky, Constantin

Box 126

- 126.1 Chou, Pei-Yuan
- 126.2 Clark, Don
- 126.3 Corbeiller, Ph. Le
- 126.4 Courant, Richard
- 126.5 Cox, Anthony B.

Folder Number	Title
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Section IX Box 126 (continued)

Papers by Other Writers (includes manuscripts, reports, preprints, reprints, lectures, etc.)
(continued)

126.6	Cox, H.L.
126.7	Dassault, Marcel
126.8	Dätwyler, G.
126.9	Degen, Max
126.10	Dreisch, Th.
126.11-126.12	Dryden, Hugh L. (2 folders)
126.13	Dubos, Bernard J.
126.14	Duwez, Pol E.
126.15	Eaton, Elbert L.
126.16	Ehrenhaft, Felix
126.17	Elsasser, Walter M.
126.18	Emmons, H.W.
126.19	Erdélyi, A.
126.20	Fenyés, I.
126.21	Ferrari, Carlo
126.22	Friedrichs, K.O.
126.23	Funk, Paul

Box 127

127.1	Gabrielli, Giuseppe
127.2	Gail, Albert
127.3	Gebelein, Hans
127.4	Geer, William C.
127.5	Geller, Edward Wayne
127.6	Gerin, Jacques
127.7	Gilruth, Robert R.
127.8	Goetz, Alexander
127.9 -127.10	Gongwer, Calvin A. (2 folders)
127.11	Griffin, John R.
127.12	Haas, Max
127.13	Hadamard, J.
127.14	Hayes, W.
127.15	Helmbold, H.B.
127.16	Hirota, M.
127.17-127.18	Hobrock, Raymond M. (2 folders)
127.19	Horton, Robert E.
127.20	Hubbard, C.W.
127.21	Hudimoto, Busuke
127.22	Ioi, Hitoshi
127.23	Ippen, Arthur T.

Section IX Box 128

Papers by Other Writers (includes manuscripts,
reports, preprints, reprints, lectures, etc.)
(continued)

128.1	Isay, Herman
128.2	Ito, Yoji
128.3	Jacobs, Eastman N.
128.4	Janoszky, C.B.
128.5	Janowsky, W.
128.6 -128.7	Junkers, Hugo (2 folders)
128.8	Kaempfen, Charles E.
128.9	Kasai, Taijiro
128.10	Kataoka, M.
128.11	Keller, C.
128.12	Keller, Herbert C.
128.13	Kempf, G.
128.14	Kiebel, I.A.
128.15-128.16	Klemperer, Wolfgang (2 folders)
128.17	Klose, A.J.
128.18	Kniehahn, Werner
128.19	Knoblock, F.D.
128.20	Koch, A.
128.21	Kogbethiantz
128.22	Kondo, Kazuo
128.23	Körösy, Ferenc de
128.24	Kramer, Max
128.25	Krohn, R.
128.26	Kueth, Arnold M.

Box 129

129.1	Kuster, Walther
129.2	Lamm, Desiderius
129.3	László, Franz
129.4	Latzko, John
129.5	Lazzarino, Lucio
129.6	Lees, Lester
129.7	Legendre, Robert
129.8	Levi-Civita, T.
129.9 -129.10	Liepmann, Hans W. (2 folders)
129.11	Lin, C.C.
129.12	Lincoln, Joseph B.
129.13	Lorenzen, Christian
129.14	Magyar, Franz
129.15	Maillart, Rob.
129.16	Maiworm, Paul
129.17	Marble, Frank
129.18	Mathar, Joseph
129.19	Mayer-Schuchard, C.

<u>Folder Number</u>	<u>Title</u>
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Section IX Box 129 (continued)

Papers by Other Writers (includes manuscripts, reports, preprints, reprints, lectures, etc.)
(continued)

129.20	Menzel, Donald H.
129.21	Metral, A.R.

Box 130

130.1	Meyer, Adolf
130.2	Minorsky, N.
130.3	Moore, Norton B.
130.4	Morimichi, Hirota
130.5 -130.6	Munk (2 folders)
130.7	Nusselt, Wilhelm
130.8	O'Brien, Morrough P.
130.9	Oswald, W. Bailey
130.10	Panetti, M.
130.11	Pawlowski, Felix W.
130.12	Pekeris, C.L.
130.13	Pérès, Joseph
130.14	Pirath, Carl
130.15	Poelvoorde, P.J. van
130.16	Poritsky, Hillel
130.17	Prandtl, Ludwig
130.18	Puckett, Allen E.
130.19	Rannie, W.D.
130.20	Reissner, Eric
130.21	Reissner, Hans
130.22	Riparbelli, C.
130.23	Robertson, H.P.
130.24	Sadron, Charles
130.25	Salzmann, F.
130.26	Samaras, Demetrios
130.27	Sänger, Eugen
130.28	Schade, Henry A.
130.29	Scherer, Paul A.

Box 131

131.1	Schmidt, Henry F.
131.2	Schweitzer, P.H.
131.3	Sears, W.R.
131.4 -131.5	Sechler, Ernest E. (2 folders)
131.6	Seifert, Howard
131.7	Sendagorta, Manuel de
131.8	Shen, S.P.

Section IX Box 131 (continued)

Papers by Other Writers (includes manuscripts,
reports, preprints, reprints, lectures, etc.)
(continued)

131.9 -131.10	Sherlock, R.H. (2 folders)
131.11	Shih-I, Pai
131.12	Simmons
131.13	Singer, S.F.
131.14	Spencer, D.C.
131.15	Steele, F.G.
131.16	Stewart, H.J.
131.17	Stodola, A.
131.18	Stossel, Ernest
131.19	Tan, H.S.
131.20	Tollmien, W.
131.21	Treer, M.F.
131.22	Truitt, Robert Wesley
131.23	Troller, Theodor

Box 132

132.1	Trumpler, William E.
132.2	Tsien, Hsue-shen
132.3	USSR Academy of Sciences
132.4	Uytenbogaart, W.G.
132.5	Vajda, Geza L.
132.6	Valensi, J.
132.7	Van Every, K.E.
132.8	Vanoni, Vito A.
132.9	Wada, K.
132.10	Wattendorf, Frank
132.11	Way, Stewart
132.12	Weske, John R.
132.13	White, Merit P.
132.14	Wigley, W.C.S.
132.15	Wislicenus, George F.
132.16	Yuan, Shao Wen
132.17	Abstracts
132.18-132.21	Anonymous - English (4 folders)
132.22	- French

Box 133

133.1 -133.4	- German (4 folders)
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SECTION X BIOGRAPHICAL AND PERSONAL MATERIAL

Box 133 (continued)

Awards and Honors

- 133.5 1937 Université libre de Bruxelles
- 1937 Université de Liège Gold Medal [safe]
- 1940 Université de l'Etat à Liège [oversize]
- 133.6 1941 American Society of Mechanical Engineers Medal
- 1941 Sylvanus Albert Reed Award [oversize]
- 133.7 1943 University of California
- 133.8 1945 Certificate of Merit, OSRD
- 1945 Commendation for Meritorious Civilian Service, USA [oversize]
- 133.9 1946 Medal for Merit, USA
- 133.10 1947 Rensselaer Polytechnic Institute
- 133.11 1947 Université de Liège
- 133.12 1948 American Society of the French Legion of Honor
- 133.13 1948 Columbia University
- 133.14 1948 Franklin Medal
- 133.15 1948 John Fritz Medal
- 133.16 1948 Société des Ingénieurs Civils de France
- 133.17 1949 Université d'Aix-Marseille
- 133.18 1950 Lord Kelvin Gold Medal
- 133.19 1951 L'Union Internationale de Mécanique Théorique et Appliquée
- 133.20 1951 Yale University
- 1952 Royal Aeronautical Society Medal [safe]

Box 134

- 134.1 1953 French Legion of Honor
- 134.2 1953 Al Merito della Repubblica Italiana
- 134.3 1953 Die Rheinisch-Westfälische Technische Hochschule Aachen
- 134.4 1953 Die Schweizerische Astronautische Arbeitsgemeinschaft
- 1953 Svenska Teknologföreningen [safe]
- 134.5 1953 Die Technische Universität Berlin-Charlottenburg
- 134.6 1953 Université de Lille
- 134.7 1954 Technion-Israel Institute of Technology
- 134.8 1954 Trasenster Medal



Maurice and Helene von Kármán surrounded by their children.

Left to right: Josephine (Pipő), Feri, Elemer, Theodore (Todor), Miklos. Budapest, circa 1896.

Folder Number	Title
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Section X Box 134 (continued)

Awards and Honors (continued)

134.9	1954 Wright Brothers Memorial Trophy
	1955 Decoration for Exceptional Civilian Service [oversize and safe]
134.10	1955 Eidgenössische Technische Hochschule
134.11	1955 French Academy of Sciences
134.12	1955 Das Grosse Verdienstkreuz mit Stern
134.13	1955 Daniel Guggenheim Medal
	1955 Istanbul Teknik Üniversitesi [oversize]
	1955 Pontifical Academy of Sciences [safe]
134.14	1956 Commander of the Legion of Honor
134.15	1956 Grand Officer in the Order of Orange Nassau
	1956 Medal of Freedom, USA [oversize and safe]
134.16	1956 Northwestern University
134.17	1956 Technische Hogeschool Delft
134.18	1957 Vincent Bendix Award
	1957 Ludwig Prandtl Ring Award [safe]
134.19	1957 Université de Paris
134.20	1958 L'Ordre de Léopold
	1958 Stephen Timoshenko Medal [safe]
134.21	1958 Universidad de Sevilla
	1959 Gas Dynamics Symposium [oversize]
134.22	1960 Brown University
134.23	1960 Canadian Aeronautical Institute
134.24	1960 Columbian Gold Medal
134.25	1960 Karl Frederick Gauss Medal
134.26	1960 Robert H. Goddard Medal
134.27	1960 Lamme Award
134.28	1960 New York University
134.29	1960 Politecnico di Torino
134.30	1960 Weizmann Institute of Science
134.31	1961 Gran Cruz de Alfonso X el Sabio
134.32	1961 Indian Academy of Sciences
134.33	1961 National University of Athens
134.34	1961 University of Bern

Box 135

135.1	1961 George Washington Award
135.2	1961 James Watt International Medal
	1962 AGARD Gold Medal [safe]
	1962 Banki Medal [safe]
135.3	1962 Exner Medal
135.4	1963 National Medal of Science

Section X Box 135 (continued)

- Awards and Honors (continued)
135.5 1963 Thomas D. White Award
135.6 Miscellaneous Certificates and Citations
135.7 -135.9 Biographical Sketches (3 folders)
135.10-135.12 Birthday Greetings and Celebrations 135.10
60th, 1941; 135.11 70th, 1951; 135.12
75th, 1956

Box 136

- 136.1 -136.7 136.1-136.2 75th, 1956; 136.3 77th, 1958;
136.4 78th, 1959; 136.5 79th, 1960;
136.6-136.7 80th, 1961 I

Box 137

- 137.1 -137.5 80th, 1961 II (5 folders)

Box 138

- 138.1 -138.2 80th, 1961 III (2 folders)
138.3 Miscellaneous 1948-1957, undated
138.4 Christmas Card Lists
138.5 -138.8 Christmas Cards, Received (4 folders)

Box 139

- Family
Elemer (brother)
139.1 Correspondence 1920, 1923-1926
139.2 -139.3 Transcriptions and Translations of
Hungarian Letters (2 folders)
Feri (brother) and Lycl
139.4 Correspondence 1914-1915, 1921, 1925-1932
139.5 1933-1938, 1940, 1947, undated
139.6 -139.7 Transcriptions and Translations of
Hungarian Letters (2 folders)
Helen (mother)
139.8 -139.10 Correspondence 139.8 1895, 1908, 1910,
1913-1914, 1919-1921; 139.9 1923-1925;
139.10 1926-1929
139.11 Undated, incomplete
139.12-139.14 Transcriptions and Translations of
Hungarian Letters (3 folders)
Josephine or Pipö (sister)
139.15 Biographical Sketch by Theodore
139.16-139.17 Correspondence 139.16 1914, 1919, 1921,
1923-1927, 1929-1934, 1937, 1944,
1946-1948; 139.17 1951 (Condolences)

Section X Box 140

Family, Josephine or Pipő (sister),
Correspondence (continued)
140.1 -140.3 140.1-140.2 1951; 140.3 1956-1958
140.4 -140.5 Undated from Josephine (2 folders)
140.6 Undated to Josephine
140.7 Postcards
140.8 Telegrams 1951
140.9 -140.11 Transcriptions and Translations of
Hungarian Letters (3 folders)
140.12-140.13 Manuscripts and Notes (2 folders)

Box 141

141.1 -141.2 (2 folders)
141.3 Memorabilia
141.4 Miscellaneous
141.5 Notebooks
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141.7 -141.8 Biographical, Miscellaneous (2 folders)
141.9 -141.13 Correspondence 141.9 1871-1880,
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141.12 1913; 141.13 1914-1915, 1923,
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141.14 Postcards to Theodore, 1913

Box 142

142.1 1914
142.2 Telegrams 1913
142.3 Undated
142.4 -142.8 Transcriptions and Translations of
Hungarian Letters (5 folders)
142.9 -142.11 Documents (3 folders)
142.12-142.15 Manuscripts (4 folders)

Box 143

143.1 -143.11 (11 folders)
143.12 Miscellany
143.13 Notebooks (1 folder)

Box 144

144.1 -144.5 (5 folders)
144.6 -144.7 Reprints (2 folders)
Miklos (brother) and Margrit
144.8 -144.16 Correspondence 144.8 1914-1916, 1921-1922,

<u>Folder Number</u>	<u>Title</u>
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Section X Box 144 (continued)

	Family, Miklos (brother) and Margrit, Correspondence (continued)
144.8 -144.16 (continued)	1924-1929; <u>144.9</u> 1930-1936, 1938-1939; <u>144.10</u> 1940-1941, 1943, 1945-1949; <u>144.11</u> 1950-1951; <u>144.12</u> 1952; <u>144.13-144.15</u> 1953; <u>144.16</u> Jan-Aug 1954

Box 145

145.1 -145.3	<u>145.1-145.2</u> Sept-Dec 1954; <u>145.3</u> 1955-1961
145.4	Undated
145.5 -145.6	Transcriptions and Translations of Hungarian Letters (2 folders)
145.7	Miscellaneous Family Correspondence
145.8	Miscellaneous Transcriptions and Translations
	Fellowships
145.9 -145.10	Fulbright Grant 1950-1952 (2 folders) Josephine de Kármán Trust
145.11-145.15	General correspondence 1953-1962 (5 folders)
145.16	Miscellaneous

Box 146

	Financial Records
146.1 -146.10	Bank Statements, Europe 1922-1933 (10 folders)
146.11	1934-1937, 1952-1959
146.12	Undated
	Bills and Receipts
146.13	Antiques and Art Furnishings
146.14	Automobiles (1 folder)

Box 147

147.1 -147.6	(6 folders)
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Box 148

148.1 -148.2	Building Maintenance (2 folders)
148.3	Carpets and Linoleum
148.4	Clothing and Accessories
148.5	Customs and Duty Declarations
148.6 -148.7	Donations (2 folders)

Box 149

149.1 -149.2	(2 folders)
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Section X Box 149 (continued)

	Financial Records (continued)
149.3	Electricity--Water
149.4	Entertainment
149.5	Florists
149.6	Food (1 folder)

Box 150

150.1 -150.2	(2 folders)
150.3	Gas Company
150.4 -150.5	re Gaston Vassel (2 folders)

Box 151

151.1	(1 folder)
151.2	Gifts
151.3 -151.4	Grounds Maintenance (2 folders)
151.5	Hearing Aids
151.6	Home Furnishings
151.7	Koko (Poodle)
151.8	Laundry and Dry Cleaning

Box 152

152.1 -152.3	Medical (3 folders)
152.4 -152.5	Membership Dues (2 folders)
152.6	Miscellaneous 1932-1953

Box 153

153.1	1954-1962
153.2	Nurse and Sick Room Supplies
153.3	Photographs and Photographic Equipment
153.4	Plumbing--Heating
153.5	Publications
153.6	Shipping Arrangements
153.7	Invitations

Box 154

154.1	Legal Papers
154.2 -154.6	Memorabilia (5 folders)

Box 155

	Publicity
155.1	Austria
155.2	Belgium
155.3	Brazil
155.4	Canada, England

Folder Number Title

Section X Box 155 (continued)

Publicity (continued)
155.5 Correspondence
155.6 France
155.7 General
155.8 -155.9 Germany (2 folders)
155.10 Greece
155.11 Hungary
155.12 Italy

Box 156

156.1 National Medal of Science
156.2 Netherlands
156.3 Norway
156.4 re Rockets
156.5 -156.6 re Space (2 folders)
156.7 -156.8 Spain (2 folders)
156.9 Sweden
156.10 Switzerland
156.11-156.12 Turkey (2 folders)

Box 157

157.1 -157.3 USA (3 folders)
157.4 USSR
157.5 Yugoslavia
Secretary
157.6 Correspondence Log, 1958-1959
157.7 Lists of Addresses
157.8 Lists of Files
157.9 Miscellaneous
157.10 Names from Personal Correspondence Files
157.11 Travel, Miscellaneous

Box 158

Pictorial Material

Films

- Reel 1 DeGaulle giving speech;
Pipö, von Kármán, et al.
2 Albert Einstein, Pipö, et al.
in Pasadena
3 Kármán, Pipö in Oriental costumes
4 Lucille Price
5 Kármán in Nashville
6 Kármán and Pipö at Wohlenberg's on way
to Washington

Section X Box 158 (continued)

Pictorial Material, Films (continued)

- Reel 7 & 7a Helen Kármán, Pipő,
et al., Paris,
Pasadena, New York
- 8 Helen Kármán and Mrs. Gartz
 - 9 Pol Duwez, Kármán, two women
 - 10 Pipő and Kármán at Yale
 - 11 Harold Urey--conference
 - 12 Negative of Oil Drilling
Apparatus and Visitors
 - 13 Grand Canyon
 - 14 Visit with Henry Borsook and
family
 - 15 Kármán at an airport
 - 16 Strasbourg
 - 17 & 18 Harry Truman at
Tullahoma Dedication
 - 19 Bozse's Wedding
 - 20 Laguna excursion, Pipő, et al.
 - 21 Pipő and Kármán
 - 22 T.K. Chang and family

Box 159

- Reel 1 Mother
- 2 Pipő skating
 - 3 Pipő: Hollywood, Stanford
 - 4 Ball Game
 - 5 Transcontinental trips
 - 6 Madrid, Alcalá, Salamanca
 - 7 Sevilla
 - 8 Barcelona, Cannes
 - 9 Riviera
 - 10 Versailles

Box 160

- Reel 1 Mont St. Michel
- 2 French Gothics
 - 3 Paris Conference
 - 4 Paris, Modane
 - 5 Fiat, Susa, Modane
 - 6 Pallanza
 - 7 Assisi, Milano
 - 8 Gino, Roma
 - 9 Smyrna, Creta, Genoa
 - 10 Smyrna, Creta

<u>Folder Number</u>	<u>Title</u>
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Section X Box 161

Pictorial Material, Films (continued)

- | | |
|--------|------------------------------------|
| Reel 1 | Rome, Istanbul |
| 2 | Algiers |
| 3 | Tunis, Cartago |
| 4 | Sahara |
| 5 | Lichtenstein |
| 6 | Gotthard |
| 7 | Kissingen: Rothenburg and Einstein |
| 8 & 9 | Budapest, Stockholm |
| 10 | San Juan Capistrano |

Box 162

- | | |
|--------|--|
| Reel 1 | Seagulls |
| 2 | Airship |
| 3 | Kármán in Europe |
| 4 | Kármán et al. swimming 1959 |
| 5 | Professor Ward |
| 6 | Wind Tunnel, Vernon |
| 7 & 8 | Unidentified |
| 9 | Smoke Composer Flow |
| 10 | Boundary Layer Transition |
| 11 | Wind Tunnel Tests of Tacoma Narrows Bridge |

Box 163

Photographs

People

- | | |
|---------------|---------------------------------------|
| 163.1 | Kármán alone |
| 163.2 -163.4 | Family (3 folders) |
| 163.5 -163.10 | Group pictures 1910s-1954 (6 folders) |

Box 164

- | | |
|---------------|------------------------|
| 164.1 -164.10 | 1955-1962 (10 folders) |
|---------------|------------------------|

Box 165

- | | |
|--------------|--------------------------------------|
| 165.1 -165.2 | 1963, ca 1960s (2 folders) |
| 165.3 | Miscellaneous friends and colleagues |
| 165.4 | Scientists |
| 165.5 | Unidentified |
| 165.6 | Places |
| | Scrapbooks |
| 165.7 | Trip to Orient |

Section X Box 165 (continued)

Pictorial Material, Photographs, Scrapbooks
(continued)

- 165.8 Construction Tsing Hua Wind
Tunnel 1936-1937
- 165.9 Sequoia Camping Trip 1940

Box 166

- 166.1 Trip to Sweden 1950
- 166.2 Trip to Switzerland 1950
- 166.3 Trip to Asia/Orient
- 166.4 Pasadena/Southern California

Box 167

Aeronautics

- 167.1 -167.2 Aircraft (2 folders)
- 167.3 Gliders
- 167.4 "Historical Moments in Aviation"
- 167.5 -167.9 Technical, Collected Works, and
Miscellaneous
- 167.10 Wind Tunnels

Box 168

Slides

- Scientists (Portraits and Como Congress
1927)
- Trip to Orient, with people (3 folders)

Box 169

- Trip to Orient, places

Boxes 170-172

Technical slides

Box 173

Audio Material

Tapes

- National Medal of Science presentation 1963
- Cornell 1959

Box 174

Oversize Material

Folder Number Title

SUPPLEMENTARY MATERIAL

Box 175

175.1 "Theodore von Kármán," R. Cargill Hall,
 3 September 1968

175.2 "A Selective Chronology of GALCIT-JPL Developments,
 1926-1950," R. Cargill Hall, 8 September 1967

175.3 "Bibliography, JPL-4, ORDCIT Project, Jet
 Propulsion Laboratory, GALCIT, California
 Institute of Technology," January 1971

175.4 "Toward New Horizons: A Report to General of the
 Army H.H. Arnold, T. von Kármán, 1945

175.5 -175.14 Technical Memoranda and Reports, 1940-1944
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