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April 8, 1968

WILLIAM LITTLEWOOD PAPERS

Preliminary Organization and Listing:

- Box 1 PERSONAL FILES)
- Box 2 CORRESPONDENCE) See folder heading list
- Box 3 ")
- Box 4 ")
- Box 5 SPEECHES AND TALKS ca. 1952-1964
- Box 6 SPEECHES ON TAPES AND PHONOGRAPH RECORDS OF TALKS. Also printed copies of 1st, 2nd, 3rd and 4th WINGS CLUB "SIGHT" lectures. 3rd by W. L. (4 copies)
- Box 7 CORNELL UNIVERSITY COURSE BOOKS 1917-1920
- Box 8 CORNELL UNIVERSITY MATERIAL (Trustee, I.L.R., Buildings & Properties Committee, Alumni, fund-raising, etc.)
- Box 9 SCRAPBOOKS, containing clippings, special letters and photographs)
- Box 10 PHOTOGRAPHS (very misc., people, engines, etc.)
- Box 11 MATERIAL RELATING TO NATIONAL SONIC BOOM STUDY -- Research, etc., by
 - Federal Aviation Agency
 - National Academy of Sciences -- National Research Council
 - Aeronautical Research Council
 - National Aeronautical and Space Administration
 This is mostly mimeo., offset and printed material.
- Box 12 MARQUARDT CORPORATION
- Box 13 MATERIAL ON VARIOUS AIRLINES See listing

Box 14 MISC. PRINTED AND MIMEO. PAMPHLETS (many topics including aircraft, resorts, clubs, etc.)

Box 15 ditto ditto ditto

Box 16 MISC. CORRESPONDENCE, NOTES, MIMEO. AND PRINTED MATTER, including two Instructor's books (arithmetic, trigonometry, algebra, mechanics), Rutgers University; also MSS. notes, "Suggested Improvements for New Airplanes."

Box 17 MUSEUM ITEMS See listing

Box 18)
19) PRINTED BOOKS - *Distributed to Gifts + Exchange Dept.*
20)
21)

Box ~~22~~) FRAMED CITATIONS AND OTHER ITEMS INCLUDING LARGE FRAMED PHOTOGRAPHS
Box ~~23~~) See listing

Box ¹⁸~~24~~ UNFRAMED CITATIONS, etc. See listing

Box 25 GLASS SLIDES (marked "AIRCRAFT NOISE") (small carton)

MODELS OF AIRPLANES (arranged on cabinets in Archives stacks)
23 airplanes and various stands for same, etc.

WILLIAM LITTLEWOOD PAPERS

Folder Heading List, and itemized contents of selected boxes:

Box 1 PERSONAL FILES

Correspondence 1934-1935
 1936
 1937
 1938
 1939
 1941-1950

Also letter from Wright Aeronautical Corporation re parts for V-1456. 9/16/29
 " folder re purchase of property in Garden City, from Margaret M. Carroll,
 1930-1950
 " folder certifying that Littlewood completed "apprenticeship," 1927-1952

Box 2 CORRESPONDENCE (Alphabetical files; some have dates, but those marked "ca." have just been spot-checked from the folders)

AAL Public Relations correspondence	<u>ca.</u> 1941-1964
" Safety correspondence (Beard)	" 1963-1964
" Correspondence (Sadler)	" 1960-1963
" " (C. R. Smith)	" 1951-1961
Air Cargo (Airfreight) -- General	" 1958-1961
Air Traffic Control Problems (Sam Saint)	" 1957-1962
American Institute of Aeronautics and Astronautics (formerly IAS)	" 1963-1964
ATAA -- Committee on Aircraft Operations, Membership list and correspondence	" 1963-1964
Air Transport Lines -- Report on	" 1929
American Society of Mechanical Engineers (ASME)	" 1958-1964
Armstrong-Siddeley -- General	" 1929
Boeing 707	" 1954-1959
Canadian Aeronautics & Space Institution	" 1954-1963
Cargo Airplane, SOR 182	1961
" " , DC-7F Conversion	<u>ca.</u> 1957-1959
Commerce, Dept. of -- Panel on Transportation Research and Development	" 1962
Compact Jet	1961-1962
Cornell Aeronautical Laboratory	1952
Cornell University	1964
Cornell Centennial Planning Committee	1961
Cornell University (I & LR)	1962-1964
Cornell University (Buildings and Properties Comm.)	<u>ca.</u> 1963-1964
Convair -- Misc. 1952-1956 (240's. 340's)	1952-1956
" -- 600 or 990	<u>ca.</u> 1958-1961
Douglas "Caravelle"	1960
DC-6	<u>ca.</u> 1952-1956
DC-7	" 1951-1955
DC-8	" 1955-1961
DC-9	" 1957-1959
Defense Science Board -- Unclassified	1963

Box 2	Correspondence (cont.)		
(cont.)	Electra -- Personal	ca.	1955
	"		1959-1961
	" II	"	1961
	" -- Testimony before House Committee		1960
	Engineers' Council for Professional Development	ca.	1961-1962
	Engineers' Joint Council	"	1959-1960
	European Trip Report (England and France 1928, Germany 1948)	"	1928-1948
	Farnborough (England) Show (newspapers)		1961-1962
	Federal Aviation Agency	ca.	1961
	Flight Safety Foundation -- Industry Advisory Committee	"	1960-1962
	Flight Safety Foundation "Awards"	"	1957-1958
	" " "		1963-1964
	" " "		1959-1963
Box 3	CORRESPONDENCE		
	General Electric	ca.	1954-1961
	Guggenheim Board of Award	"	1959-1964
	Helicopters/VTOL	"	1956-1961
	Hoover Medal Board of Award		1964
	Hospitalization (AAL)	"	1962-1964
	IAS		1958-1962
	Kurtz, Howard	ca.	1952-1962
	Littlewood -- Expense Accounts		1960-1962
	" " "		1963
	" -- Noise Paper		1958
	Lockheed -- General	ca.	1953
	Maryland, University of		1956-1959
	Massachusetts Inst. of Technology -- Committee	ca.	1959-1963
	Misc. correspondence (4 folders)	"	1953-1964
	NASA -- RACAOP (2 folders)	"	1952-1964
	" -- "Campaign on Aeronautics Emphasis"	"	1963
	" -- Jet Turbulence	"	1963-1964
	National Research Council/National Academy of Sciences	"	1956-1960
	Noise -- Misc.	"	1952-1961
	Project Beacon	"	1961
	Project Horizon	"	1961
Box 4	CORRESPONDENCE		
	Pratt & Whitney (Engines)	ca.	1957-1961
	Princeton University	"	1959-1962
	Proximity Warning Indicator/Collision Avoidance System	"	1957-1963
	Rolls-Royce	"	1954-1956
	Royal Aeronautical Society -- Man Powered Aircraft Group	"	1963-1965
	Society of Automotive Engineers (SAE) Correspondence	"	1960-1962
	Sperry Board Award	"	1959-1962
	Supersonic Transport (American Airlines)	"	1962-1963
	Unsorted correspondence		1950-1967

(Note: All this correspondence has been collected together -- it was scattered through many of the original boxes, with apparently no rhyme or reason.)

Box 4 Correspondence (cont.)
(cont.)

Also in Box 4 is envelope containing some correspondence and official mimeo. report on case brought against American Airlines and dismissed by Delaware Supreme Court ca. 1961

Also two large folders bearing the title "20 Years of Commercial Aviation Data Collected by John McLaughlin"

Also a report -- "Survey of Commercial Operations," typescript, and data sheets, and other miscellanea pertaining to Transport Aircraft ca. 1929

Box 13 MATERIAL ON VARIOUS AIRLINES (including correspondence [Little] pamphlets and other data)

Fairchild
Douglas
Boeing
United Aircraft
North American Aviation, Inc.
Lockheed Aircraft Corporation
General Electric
Northrup Corporation
Hopkins-Campbell, Inc.
Curtiss-Wright
Convair Eight-Eighty

Also: The Flight Safety Foundation -- "What Others Think of F.S.F."
"A Chronicle of the Aviation Industry in America, 1903-1947"
"A Manual of Aircraft Gas Turbine Operation"
"Progress in Air Transportation" -- Lockheed Project L-193

Box 17 MUSEUM ITEMS

Wooden placques:

Flight Safety Foundation Award, 1956
S.A.E., 1957
Federal Aviation Agency for Distinguished Public Service, 1961-1965
A.I.A.&A., 1964-1966
National Advisory Committee for Aeronautics, 1944-1953

Laminated on board -- two citations:

S.A.E. -- Certificate of Appreciation, 1955
S.A.E. -- 25 years active membership, 1960
(S.A.E.: Society of Automotive Engineers)

Printing blocks (11 in all), 10 for Christmas cards and 1 of W.L.

Metal gear cover (?) Caminez Engine

3" diameter bronze medal, "Dedication of North American Aviation, Inc., Science Center, James Howard Kindelberger Memorial Laboratories, August 27, 1964"

Victory Medal (First World War)

Perspex paperweight, Donald W. Douglass, 40th Anniversary, 1920-1960

Box 17 Museum Items (cont.)
(cont.)

MSS. black notebook -- calculations and other data

10 glass slides (airplane engines, etc.)

Paper outlines of airplanes for layout purposes

Copy of patent -- Orville Wright and Wilbur Wright Flying Machines, 1906

Box ¹⁸~~22~~ CITATIONS, etc. (^{de-}framed)

Institute of the Aeronautical Sciences -- Certificate of Membership	1932
" " " " " -- Honorary Fellow	1932
Wright Brothers Medal (certificate)	1935
Society of Automotive Engineers -- Member	1936
Institute of the Aeronautical Sciences -- Fellow	1939
Ordnance Distinguished Service Award (presented to Coordinating Research Council)	1944
United States Navy -- Certificate of Achievement (awarded to Coordinating Research Council)	1945
Society of Automotive Engineers -- as Vice-President	1945
Membership of National Advisory Comm. for Aeronautics for five years from Dec. 1, 1948 (signed by Harry Truman)	1948
American Airlines -- twenty-five years' service	1952
Framed cover of AMERICAN AVIATION -- Interview with W. L., Vice-Pres. American Airlines	1952
American Airlines -- Best Wishes for 25th Anniversary	1952
S.A.E. Technical Board -- Certificate of Appreciation	1954
Society of Automotive Engineers -- as Past Pres. is an Honorary Member (laminated)	1954
Greetings from Society of Automotive Engineers	1954
Awarded Guggenheim Medal	1958

Box ¹⁸~~23~~ CITATIONS, etc. (framed)

University of Maryland -- Doctor of Engineering	1959
The Royal Aeronautical Society -- Fellow of the Society	1961
The National Secretaries Association -- Guest speaker at 10th Annual Boss Night	1962
Monsanto Aviation Safety Award	1962
The Royal Aeronautical Society -- Honorary Fellow (F.R.Ae.S.)	1963
Distinguished Service Award for Merit -- American Airlines	1963
Distinguished Service Award for Merit -- American Airlines	1963
Canadian Aeronautics and Space Institute -- Fellow	1964
Wings Club -- Third Wings Club Sight Lecture	1966
Piece of original fabric from Kitty Hawk "Wright Flyer" with photograph and write-up recalling successful flight in 1903	
Probably membership of a fraternity, "Nayati," founded 1907, C.U.	
Hand colored sketch and signatures from "Friends of Douglas"	Undated
Photographs:	
Douglas Aircraft (?) in flight, signed Donald ? Douglas	1938
National Safety Council Trophy awarded to American Airlines	1941
Plant Maintenance Gang, 1/15/41	1941
Embroidered tablecloth made by Mrs. Jo (James H.) Doolittle (embroidered signatures)	Undated
American Airlines flagship over New York City	"
Autographed photograph of James Doolittle	"
Republic P-47 Thunderbolts in flight	"
American Airlines plane in flight	"

Box ¹⁸~~24~~ CITATIONS, etc. (unframed)

"Murphy's Roaring Birdman" certificate	1939
National Advisory Comm. for Aeronautics -- Chairman of the Comm. on Operating Problems and member of the Industry Consulting Comm.	1954
Military Air Transport Service -- Recognition of flight in turbine powered transport	1955
Society of Automotive Engineers, Inc. -- Life Member	1957
Charter membership of 10-mile-a-minute Club	1960
Air Scooter Pilot("flown at altitude of 5" without oxygen")	1960

Box ¹⁸~~24~~ Citations, etc. (unframed) (cont.)
(cont.)

The American Society of Mechanical Engineers -- as lecturer before sections of the Society, 1959-1960	1960
Institute of the Aeronautical Science -- testimonial	1960
The Newcomen Society in North America -- Membership	1961
The Wings Club, Inc. -- Non-resident member	1961
National Aviation Club -- Full membership	1963
American Institute of Aeronautics and Astronautics -- Honorary Fellow	1963
Rotary Club of St. Michaels, Md., Certificate of Appreciation	1967
Institute of the Aerospace Sciences -- Member of Aerospace Technology Panel	Undated

William Littlewood. Papers.

Revised box numbering as follows:

1 thru 13 O.K.

14 and 15 must have been thrown out, but possibly some saved and put ~~in~~
in 16, as it is quite full

16 O.K. as is now

17 O.K.

18, 19, 20, 21 must have been passed to Gifts & Exchange without a record*
as Arlene ^{Pavern} has record of 125 volumes having been received

Box 22 and 23 do not exist as such, but all citations have apparently
been deframed and are now in Box ~~24~~₁₈ and Map Case A 14 (basement)

Box 25 O.K.

Model airplanes have, of course, been disposed of many moons ago!!!!

*No record in Apr. 1968-1972 Dist. Flds. N. Dean'

BS ^{Applied}
3-72.
N. Dean, 6-87

CORNELL UNIVERSITY NEWS

OFFICE OF PUBLIC INFORMATION
Day Hall, Ithaca, N. Y. 14850
Call: Area Code 607, 256-4206

For further information:

FOR RELEASE SATURDAY A.M., JUNE 13, 1970

ITHACA, N.Y. -- Three awards marking the late William Littlewood's international prominence in the world of aviation have been turned over to the archives of his alma mater, Cornell University.

In a brief ceremony last night (June 12) during the 50th reunion dinner of Littlewood's class of 1920, Cornell President Dale R. Corson received the awards from Littlewood's fellow class member, Cornell Trustee Emeritus and Presidential Councillor, Judge Mary H. Donlon, United States Customs Court. Judge Donlon presented the memorabilia in behalf of the Littlewood family.

Littlewood's two sons are Cornell graduates, William C., Class of 1944, and Robert A., Class of 1952. His wife, the former Dorothy E. Cushman, was a member of the Cornell Class of 1921. Both Littlewood and his wife died in 1967.

More than 200 members of the Class of 1920, some 50 alumnae and 150 alumni, attended the dinner in the Memorial Room of Willard Straight Hall. Corson gave the traditional presidential address to the 50th reunion class.

One of the awards, The Daniel Guggenheim Medal, was presented to Littlewood in 1958 "for leadership and continuous personal participation over a quarter of a century in developing the equipment and operating techniques of air transport."

Littlewood was a former vice president of American Airlines and a developer of the DC-3 airliner that revolutionized air travel after its appearance in 1936. He was also instrumental in developing the DC-4, DC-6, and DC-7, all propeller-driven airliners. In addition he helped in the development of jetliners, Boeing 707 and Convair 990.

Other recipients of the Guggenheim medal have been Charles Lindbergh, Sir Geoffrey DeHavilland, James H. Doolittle, Glenn L. Martin, William E. Boeing, Orville Wright and Theodore P. Wright, vice president, emeritus, of Cornell. Other Cornellians to receive the Guggenheim medal have been George W. Lewis, Cornell Class of 1908, and Leroy R. Grumman, Cornell Class of 1916.

(more)

June 11/70-MBS

In 1935, Littlewood received the Wright Brothers Medal for a paper entitled "Operating Requirements for Transport Airplanes." This award has been made annually since 1928 by the Society of Automotive Engineers.

In 1962 Littlewood was the first airline official to receive the Monsanto Safety Award, established by the Monsanto Chemical Company of St. Louis in 1957 "to acknowledge and encourage progress in air safety."

Littlewood was cited for his "vigorous and effective leadership during 1962 in spurring the research, development and adoption of techniques for improved safety in U.S. aviation" as chairman of the National Aeronautics and Space Administration's (NASA's) Research Advisory Committee on Aircraft Operating Problems. He served the committee from 1956 until his death.

At the time of his death, Littlewood was a trustee and vice chairman of the executive committee of the Board of Trustees of Cornell University. He was first elected an alumni trustee in 1955 and served on a number of ad hoc committees of the board, as a member and vice chairman of the Building & Properties Committee. In addition he was a chairman of the council of the New York State School of Industrial and Labor Relations and a director of the Cornell Aeronautical Laboratory in Buffalo.

He graduated from Cornell with a degree in mechanical engineering and served several terms as a director of the Cornell Alumni Association and as chairman of the fund-raising committee for the John M. Olin Library at Cornell. He taught physics, mechanics and machine design at Cornell, was awarded the Sibley Prize for engineering scholarship for two years and was president of the Cornell Society of Engineers. He played first desk cello in the University orchestra for a year.

Littlewood was an honorary fellow of the Royal Aeronautical Society of the United Kingdom, of the Canadian Aviation and Space Institute and of the American Institute of Aeronautics and Astronautics. He was one of only three persons ever to attain all three of these honors. Cornell vice president, emeritus, Wright also has this distinction, and the third is the distinguished British aeronautical engineer, Sir Melville Jones.

Littlewood's other distinctions and honors included: president of the American Institute of Aeronautical Sciences; an honorary doctor of engineering degree from the University of Maryland; recipient of the Flight Safety Foundation Medal; member of Aeronautical Visiting Committee of Massachusetts Institute of Technology; member of the Aeronautical Advisory Committee of Princeton University, and member of the Cornell Engineering Council.

He was a president of the Society of Automotive Engineers and was Wright Lecturer at Massachusetts Institute of Technology, and Wings Club "Sight" Lecturer in New York.

(more)

In 1944, President Franklin D. Roosevelt named him to the National Advisory Committee for Aeronautics, a post he held until the committee was superceded by NASA in the mid-1950's. He also served on the Committee of SST-Sonic Boom of the National Academy of Sciences.

-end-