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## Guide to the Joseph Foladare Papers, 1943-1946

Archives

California Institute of Technology  
Pasadena, California

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### Descriptive Summary

**Title:** Joseph Foladare Papers,

**Date (inclusive):** 1943-1946

**Creator:** Foladare, Joseph

**Extent:** 1.5 Linear feet

**Repository:** California Institute of Technology. Archives.

Pasadena, California 91125

**Language:** English

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### Preferred Citation

[Identification of item, Box and file number], Joseph Foladare Papers, Archives, California Institute of Technology.

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## **Biography**

Joseph Foladare was born in Los Angeles on July 9, 1909. He earned his B.S. in Physics from Caltech in 1930, his M.A. in English from Claremont College in 1931, and his Ph.D. in English at Yale in 1936. In 1935, he took a teaching position in the English Department at Iowa State College in Ames. In 1940, he joined Santa Barbara State College (later University of California, Santa Barbara) as an English Professor.

During World War II, Foladare took an extended leave from his position at Santa Barbara to serve as the Supervisor of the Editorial Section for the Caltech Rocket Project, sponsored by the Office of Scientific Research and Development. He spent the next five years (1941-46) compiling and editing technical reports related to the design and use of rockets for war, and overseeing the publication of a series on monographs on the subject. For his service during the war, Foladare received the Presidential Certificate of Merit.

In 1946, Foladare returned to Santa Barbara, where he was the first chairman of the English Department to be appointed by the University of California. He retired from UCSB in 1974.

--John Powers

--November 1997

## **Scope and Content**

The Foladare Collection at the Caltech Archives consists of three boxes of materials, all of which date from the Caltech Rocket Project during World War II (1942-46). Included in the first two boxes are technical reports on rocket science and weaponry, and Foladare's memoranda to the report writers regarding the style and structure of their reports. The third box contains the eight monographs on rocket-related subjects that the workers on the rocket project composed in 1946, in fulfillment of Caltech's OSRD contract.

The materials held in the Foladare Collection were graciously donated by Joseph Foladare's daughter, Elise Foladare.

--John Powers

--November 1997

Technical Reports/ Cal Tech Rocketry Project:

- Box Box 1, "Forward Firing of Rockets from Aircraft." Submitted by Comdr. J.C. Renard, Lt. Comdr. T.F. Pollock, and CIT  
Folder 1.1 Aircraft Launcher Group. CIT JNC 9. United States Pacific Fleet Air Force, Naval Air Station, San Diego. 4  
October 1943.
- Folder 1.2 "Rockets and Launchers, All Types." Ordnance School Text No. 9-69. The Ordnance School, Aberdeen Proving  
Ground, Maryland. February 1944.
- Folder 1.3 "An Introduction to the Study of Rockets." Second Ed. Submitted by O.C. Wilson and W. N. Lacey. CIT JMC 2.2.  
OSRD, NDRC, Div. 3, Sect. L. 15 March 1944. (2 Copies)
- Folder 1.4 "Determination of Sight Settings. 3".5 and 5".0 Aircraft Rockets, Mk 4 and Mk 5 Aircraft Launchers." CIT UPC 2.  
OSRD, NDRC, Div. 3, Sect. L. 20 March 1944.
- Folder 1.5 "Rocket Firing from PT Boats." CIT JEC 18. OSRD Report No. 2206. OSRD, NDRC, Div. 3, Sect. L. 7 September  
1944.
- Folder 1.6 "Forward Firing of Rockets from P-47D Aircraft." CIT JNC 24. OSRD Report No. 2333. 2 January 1945.
- Folder 1.7 "Rocket Firing from PT Boats. ATB, Ft. Pierce, Florida." Submitted by P.E. Lloyd. CIT JEC 24. OSRD Report No.  
2345. OSRD, NDRC, Div. 3, Sect. L. 13 January 1945.
- Folder 1.8 "Forward Firing of 11".75 Aircraft Rockets from F4U and F6F Aircraft (Tentative)." CIT JNC 29. OSRD Report No.  
2357. 27 January 1945.
- Folder 1.9 "Some Operational and Logistical Problems in the Use of Rockets." Submitted by William A. Fowler. CIT JNC  
16. OSRD Report No. 2366. OSRD, NDRC, Div. 3, Sect. L. 1 February 1945.
- Folder 1.10 "Forward Firing of Rockets from P-51K Aircraft." CIT JNC 26. OSRD Report No. 2347. 10 February 1945.
- Folder 1.11 "Forward Firing of Rockets from P-38L Aircraft." CIT JNC 25. OSRD Report No. 2382. 17 February 1945.
- Folder 1.12 "Description and Instructions for Use of Mk 35 Mod 0 Launcher (CIT Type 46B)." CIT JEC 22. OSRD Report No.  
2407. 15 March 1945.
- Folder 1.13 "Preliminary Data. 3".5 and 5".0 Spin-Stabilized Rockets." CIT JBC 31. OSRD Report No. 2408. 15 March 1945.
- Folder 1.14 "Abridged Catalog. CIT Rockets." CIT UBC 34. OSRD Report No. 2415. OSRD, NDRC, Div. 3, Sect. L. 15 March  
1945.
- Folder 1.15 "Description and Instructions for Use. Rocket Launcher Mk 50 Mods 0 and 1" CIT JEC 23. OSRD Report No.  
2422. 2 April 1945. (2 Copies)
- Folder 1.16 "Rocket Launcher Mk 51 Mod 0." CIT JEC 26. OSRD Report No. 2448. 25 April 1945.
- Box Box 2, "Abridged Catalog. Rocket Launchers." CIT UEC 5. OSRD Report No. 2440. OSRD, NRDC, Div. 3, Sect. L. 1 May  
Folder 2.1 1945.
- Folder 2.2 "Forward Firing of 5".0, 3".5, and 2".25 Aircraft Rockets From A-26B Aircraft." CIT JNC 28. OSRD Report No.  
2449. 15 June 1945.
- Folder 2.3 "Forward Firing of 11.75-Inch Aircraft Rockets from A-26B Aircraft." CIT JNC 32. OSRD Report No. 2433. 1 July  
1945.
- Folder 2.4 "Range Table for 2.25-Inch Aircraft Rockets (Subcaliber), 3.5-Inch and 5.0-Inch Aircraft Rockets (With 3.25-Inch  
Motors), and 5.0-Inch High Velocity Aircraft Rockets Used with Post-Type (Zero-Length) Launchers. Aircraft  
PV-1." Ordnance Publication 1524. Department of the Navy, Bureau of Ordnance. 4 July 1945.
- Folder 2.5 "Rocket Sight (Aircraft) Mark 1 Mod 0." Ordnance Publication 1478. Department of the Navy, Bureau of  
Ordnance. 10 July 1945.
- Folder 2.6 "Forward Firing of 5.0-Inch, 3.5-Inch, and 2.25-Inch Aircraft Rockets from B-25J Aircraft." CIT JNC 27. OSRD  
Report No. 2476. 15 July 1945. (2 Copies)
- Folder 2.7 "Land Service Use of 11.75-Inch Aircraft Rockets Against Caves." CIT JBC 32. OSRD Report No. 2516. 15  
August 1945.
- Folder 2.8 "The Exterior Ballistics of Fin-Stabilized Aircraft Rockets." Submitted by L. Blitzer and L. Davis, Jr. CIT JPC 24.  
OSRD Report No. 2528. OSRD, NDRC, Div. 3, Sect. L. 20 August 1945.
- Folder 2.9 "The CIT Acceleration Camera Models 3 and 4." Submitted by Clyde Chivens. CIT JFC 3. OSRD Report No. 2518.  
25 August 1945.
- Folder 2.10 "The Influence of the Magnus Moment on the Stability of Rotating Projectiles." Submitted by L. Davis, Jr. and  
J.W. Follin, Fr. CIT JPC 29. OSRD Report No. 2529. OSRD, NDRC, Div. 3, Sect. L. 1 September 1945.
- Folder 2.11 "The Effect of Aerodynamic Moments on the Motion of Spin-Stabilized Rockets During Burning." Submitted by  
J.W. Follin, Jr. CIT JPC 27. OSRD Report No. 2531. OSRD, NDRC, Div. 3, Sect. L. 21 September 1945.
- Folder 2.12 "Description of Facilities at the China Lake Pilot Plant." Submitted by B. H. Sage. CIT JDC 83. OSRD Report No.  
2553. Pasadena, CA: California Institute of Technology. 1 November 1945.
- Folder 2.13 "Bibliography of Published Reports. 19 October 1941 to 31 August 1946." CIT UMC 8.4. OSRD, NDRC, Div. 3,  
Sect. L. (No Date/ 1946?)

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Folder 2.14

**"U.S. Rocket Ordnance. Development and Use in World War II." Released by Joint Board on Scientific Information Policy for OSRD, War Department, and Navy Department. US Government Printing Office, 1946.**

Memoranda, Report Guidelines, etc.:

Box Box 2,  
Folder 2.15

Memorandum. To Research Staff. From J. Foladare. Subject: "Standardization of projectiles on the basis of field tests." (CIT OBC 33, 1 April 1943 in pen). 6 pps + 1 table.

"Method of Computing External Ballistic Data." CIT OHC 4.2. (Dated 19 April 1943 in pencil). 5pps + chart.

"Style Manual for Reports Published by the Editorial Department." CIT IZC 1. 29 November 1943. 11 pps + 7 pps figs. (2 Copies)

Memorandum. To Editorial Staff. From J. Foladare. Subject: "Layout and processing of reports." CIT OZC 21. 3 April 1945. 3 pps + 2 tables. (2 Copies)

Memorandum. From J. Foladare. Subject: "Notes to authors, No. 1." CIT OZC 23. 28 May 1945. 2 pps + 1 table. (2 Copies)

Memorandum. To Editorial Staff. From J. Foladare. Subject: "Layout and Processing of Reports." CIT OZC 21.2. 29 May 1945. 6 pps. (2 Copies)

Memorandum. To E. C. Watson. From J. Foladare. Subject: "Meeting of authors, 20 June 1945." CIT OZC 23. 20 June 1945. 2 pps. (2 Copies)

Memorandum. To Authors. From J. Foladare. Subjects: "Format of monographs; treatment of photographs and drawings; use of microfilm." CIT OZC 23. 8 August 1945. 2 pps. (3 Copies)

Memorandum. To Authors. From J. Foladare. "The attached copy..." CIT OZC 23.2. 9 August 1945. 1 p. (Refers to below.)

"Permanent Records of Research and Development. List of Titles for Proposed Series of Monographs." First Revised Issue. OZC 23. Ministry of Supply (UK). April, 1945.

Memorandum. To Authors. From J. Foladare. Subject: "Numbering of chapters, figures, and equations." CIT OZC 23. 24 August 1945. 2 pps. (2 Copies)

"Style Guide for Authors of Monographs." CIT IZC 1. 4 September 1945. 11 pps. (2 Copies)

Memorandum. To Authors. From J. Foladare. Subject: "Deadlines." CIT OZC 23. 11 September 1945. 2 pps. (2 Copies)

"Style Guide for Editors and Printers of Monographs." CIT IZC 2. 8 November 1945. 5 pps. (2 Copies)

"Supplement No. 1 to Style Guide for Editors and Printers of Monographs." CIT IZC 2.1. 17 December 1945. 3 pps. (2 Copies)

Memorandum. To Editors. From J. Foladare. Subject: "Supplement No. 2 to Style Guide." CIT IZC 2.2. 21 December 1945. 2 pps. (3 Copies)

Folder 2.16

Equipment Transfer Advice. (Cal Tech Memo re. transfer of paper and materials). 30 January 1946. 3 pps.

Memorandum. To C. C. Middleton. From J. Foladare. Subject: "Remaining Editorial Section inventory at Waverly warehouse." CIT OZC 3. 28 February 1946. 2 pps.

Memorandum. To E. C. Watson. From J. Foladare. Subject: "Status of monographs and final reports, 12 April 1946." CIT OZC 3. 12 April 1946. 2 pps.

"Printing and Binding Schedule." (No Date, but probably 1946). 1 p.

List of Telephone Numbers for Editorial Staff. (early 1946 in pencil). 1p.

Sign-up Sheet to Switch Work Days. (1946) 1 p.

List of Rocketry-Related Book Publications. (1946?) 1 p.

Order of Preliminary and Final Pages for Reports. (No Date.) 1 p.

Order of Preliminary and Final Pages for Reports. (No Date.) 1 p.

"ORSD Numbers, Titles, and Half Titles." (No Date/ 1946?) 1 p.

**Correspondence:**

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**Correspondence:**

Box Box 2,  
Folder 2.16

**Letter, Grace L. Hart (NRDC) to Foladare, 13 June 1945. 1 p.**

**Letter, Foladare to Los Angeles Type and Rule Co., 14 June 1946. 2 pps.**

Monographs:

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Monographs:

- Box Box 3,            ***Rocket Fuzes***. OSRD Report No. 2545. Pasadena, CA: California Institute of Technology, 1946.
- Folder 3.1
- Folder 3.2            ***Production of Metal Components of Rockets***. OSRD Report No. 2546. Pasadena, CA: California Institute of Technology, 1946.
- Folder 3.3            ***Field Testing of Rockets: Range Operations and Metric Photography***. OSRD Report No. 2547. Pasadena, CA: California Institute of Technology, 1946.
- Folder 3.4            ***Rocket Launchers for Surface Use***. OSRD Report No. 2548. Pasadena, CA: California Institute of Technology, 1946.
- Folder 3.5            ***Firing of Rockets from Aircraft: Launchers - Sight - Flight Tests***. OSRD Report No. 2549. Pasadena, CA: California Institute of Technology, 1946. (2 Copies)
- Folder 3.6            ***Aircraft Torpedo Development and Water Entry Ballistics***. OSRD Report No. 2550. Pasadena, CA: California Institute of Technology, 1946.
- Folder 3.7            ***Water Entry and Underwater Ballistics of Projectiles***. OSRD Report No. 2551. Pasadena, CA: California Institute of Technology, 1946.
- Folder 3.8            ***Processing of Rocket Propellants: A Treatise Restricted to Propellants Prepared by Dry Extrusion from Double-Base Stock***. OSRD Report No. 2552. Pasadena, CA: California Institute of Technology, 1946.