

# Ernest Orlando Lawrence Berkeley National Laboratory

## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Archives and Records Office Use Only</b>
Chemical Biodynamics	Bio-Organic Chemistry	
<b>Group</b>		<b>Filing Code</b>
Administration		ARO-2702
<b>Location</b>	Calvin Lab 102	<b>LBLN Accession Date</b>
<b>Transferee</b>	Evangeline Peterson	3/26/1996
<b>Head of Department</b>		<b>FRC Accession No.</b>

### Records Title

Controlled Photosynthesis Film

### Inclusive Date of Records

1980

1980

### No of Containers

1

Manuscript (Letter)

### Brief description of records

AT NARA

The following information appears on the label affixed to the film canister:

Graphic Arts Film and Video Communications. Lawrence Radiation Laboratory, University of California, Berkeley. Title: CONTROLLED PHOTOSYHTESIS \*Shortened Version.\* time: 12 min. Footage: 426 ft. Production: 517a. Print: 1. Dr. J.A. Bassham; Bldg.3, Rm. 328; LRL-Berkeley.

James Alan Bassham was born November 26, 1922 in Sacramento, California and is known for his work on photosynthesis. He received a B.S. degree in chemistry in 1945 from the University of California and his Ph.D. degree in 1949. His graduate studies were on the subject of carbon reduction during photosynthesis, working with Melvin Calvin in the Bio-Organic Chemistry Group of the Lawrence Radiation Laboratory at the University of California. As of 1956, he was the Assistant Director, Photosynthesis Laboratory, Bio-Organic Chemistry Group at the Radiation Laboratory, University of California, Berkeley (UCRL) and co-author (with Calvin") of the article "Photosynthesis" in currents in biochemical Research 1956.

Besides his work on the basic carbon reduction cycle of photosynthesis, Bassham conducted research on the biosynthetic paths leading from the cycle to the thermodynamics and kinetics of the carbon paths and the factors that control the flow of material and energy in this metabolic network. He was coauthor (with Melvin Calvin) of "The Path of Carbon in Photosynthesis."

given the significance of Calvin's work on photosynthesis (for which he won the Nobel Prize) and Bassham's key role in that research, this film has historical value and should be transferred to the National Archives as soon as possible.

### Materials

Motion Picture Film, Color Positive

### Records Retention

Historically Valuable Documents. Do not destroy. A detailed folder listing is included with the Records Transmittal

Destroy/Review on a scheduled basis with a minimum retention of \_\_\_\_\_ years. Disposal/Review Date: \_\_\_\_\_ Perm.

**This is in accordance with:**

The National Archive General Retention Schedule. Citation \_\_\_\_\_ DOE/ADM/21/12/1

The Department of Energy Retention Schedule. Citation \_\_\_\_\_

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**Disposal Authorization:**

The legal retention of the records listed on this Records Transmittal has elapsed. Since I foresee no use of these records, I authorize their disposal.

\_\_\_\_\_  
Signature of Department Head

\_\_\_\_\_  
Date

**Ernest Orlando Lawrence Berkeley National Laboratory  
Records Transmittal**

<b>Division</b> <input type="text" value="Chemical Biodynamics"/>	<b>Department</b> <input type="text" value="Bio-Organic Chemistry"/>	<b>Filing Code</b> ARO-2702
<b>Group</b> <input type="text" value="Administration"/>		
<b>Records Title</b> <input type="text" value="Controlled Photosynthesis Film"/>		

**Container**  **Of**

Film Reel Canister

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