

Ernest Orlando Lawrence Berkeley National Laboratory

Records Transmittal

Division Information & Computing Sciences	Department Information Resources	Archives and Records Office Use Only
Group Audio-Visual		Filing Code ARO-2138
Location 90 Basement		LBLN Accession Date
Transferee Dennis Copeland		FRC Accession No.
Head of Department		

Records Title

LBL Film Collection II Masters & Working Prints

Inclusive Date of Records

1935 1979

No of Containers

8 FRC Box

Brief description of records

AT NARA - College Park, MD

TRANSFER ID--TR-0434-2016-0176

Series of working and master copies of motion picture film documenting some of the major Laboratory events, discoveries and scientific inventions. Sound and silent footage. series includes copies of original film made by Donald Cooksey describing the early Radiation Laboratory and film of E.O Lawrence, a Cyclotroneer song, comments on film by Edwin McMillan and Luis Alvarez; construction and closing of the 60-inch Cyclotron facility; visit of the Atomic Energy Commission to the Laboratory in 1951; Bevatron accelerator facility; major particle detector instruments, including the bubble chamber and film scanners; major biomedical and nuclear medical research and development (including scintillation camera and whole body counter); dedication of Latimer Hall and ceremonies commemorating the discovery of plutonium, mendelevium, californium, and berkelium. Various film presentations on Laboratory safety, energy efficiency research and development; local television science programs. Series includes interviews with early Radiation Laboratory pioneers.

Materials

Sound Recordings - Motion Picture Film - Photographs

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 _____

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

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Container **Of**

- Film Reel Canister 1 1935-40 - Feb. 15, 1939: E.O. Lawrence, 184" Cyclotron, Radiation Laboratory. 60" Cyclotron Construction movement of 184" magnet Poletip salsig 60" Cyclotron Picnic (1936) Cooksey Film
- Film Reel Canister 2 Bubble Chamber & Data Analysis (Spliced film) Edited, revised 1963. Silent, 22 min.
- Film Reel Canister 3 Controlled Photosynthesis, negative. Doug McWilliams.
- Film Reel Canister 4 Building an Atomic Accelerator
(B Music)

Container **Of**

- Film Reel Canister 1 1948: Closing Ceremony: 60" Cyclotron. Linac, 184" Model with Cooksey and Reynolds. 60" Construction - Magnet Coils/Historical
- Film Reel Canister 2 Untitled
- Film Reel Canister 3 Jan. 10, 1951. Reels 1-9, 16 mm, B&W. AEC at the Rad. Lab, CA., 1951

Container **Of**

- Film Reel Canister 1 LBL "Runaround" print 1978.
- Film Reel Canister 2 June 11, 1973. "Atomic Accelerator, FX Track B&A, LBL."
- Film Reel Canister 3 Feb. 1, 1939 Construction of Cyclotron [Photographer: Cooksey]
- Film Reel Canister 4 E.O. Lawrence visit to Japan and "Atoms for Peace." Japanese narrator speaking in English.
- Film Reel Canister 5 "Cardiac Evaluation from Radioisotope Dynamics," sound. 3 films reels: Do not project.

Container **Of**

- Film Reel Canister 1 M35331. Quest: 16mm. Original, master, A&B rolls.
- Film Reel Canister 2 UCRC. "SMP & Spiral Reader. Master, Original print. A&B Rolls. 16mm.
- Film Reel Canister 3 "Heritage." [Brookhaven Nat. Lab.] 23 Min., 825 ft.

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- Film Reel Canister 4 "Spires" (two copies) Stanford University Public Invo., Retrieval System. 8 mins. 300 ft. Print 2.
- Film Reel Canister 5 "Multi-Media 2." October 1981
- Film Reel Canister 6 "Construction of 60" Cyclotron." 10 Frames/Second. Edited Work, B&W. Silent 300 ft.
- Film Reel Canister 7 Seadorg Dedication of Site of Plutonium Discovery. 200 ft. 6 mins., Sound.
- Film Reel Canister 8 "Heat Engine" 55 Nitinol Test Bed. 138 min., 500 ft. W/P [R. Banks invention]
- Film Reel Canister 9 "Home-made Berkeley Incendiary Devices. in strict confidence. Color, eight mins. Sounds. 300 ft.
- Film Reel Canister 10 1958 - 8. Bubble Chamber Talk
- Film Reel Canister 11 #449a. Scintillation Camera. 10 mins., 361 ft.
- Film Reel Canister 12 #513. "How to use the SAC-PAC." 7 mins., 260 ft.
- Film Reel Canister 13 #498B, "Counting Whole Body Radioactivity." 10 mins. 360 ft. Cleared, 1974.

Container **Of**

- Film Reel Canister 1 #510 "Electric Cartography." 16 mm. Color, sound print.
- Film Reel Canister 2 "Cobwed." No. 3. Powell-Birge Physics, 9 mins., 325 ft.
- Film Reel Canister 3 Demonstrators. "Peace Marcher Negatives." CA 1962.
- Film Reel Canister 4 "Studies on the Effect of Space Radiation of Weightlessness on Inner-Ear Functions." Print #1. 8 mins., 285 ft.
- Film Reel Canister 5 #496. "Cyclotron Irradiation of the Pituitary."
- Film Reel Canister 6 #503. Ether Air Explosions, "Glove Box Safety for Ether Evaporation." 8 3/4 mins., 320 ft.
- Film Reel Canister 7 #502. "Ternary Phase Diagrams." Print 5. 8 mins. 285 ft.
- Film Reel Canister 8 #500. "Heavy Particles in Medicine." Red Print. 11 mins., 400 ft. Includes Audience Viewing card, Dates: 1969-71.
- Film Reel Canister 9 #499. "Study of Diagnosis with Scintillation Camera." 10 mins., 361 ft. Poor sound quality.

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- Film Reel Canister 10 #498. "Whole Body Counter." 10 mins, 361 ft. "Answer print."
- Film Reel Canister 11 #498a. "Counting Whole Body Radioactivity." 10 mins./360 ft., Made "from original."
- Film Reel Canister 12 #495. "The Production and Isolation of Transcurium Elements." Davidson Film. 11 mins., 400 ft.
- Film Reel Canister 13 "LBL Runaround." Original Processed Film. 400 ft. Do not project.
- Film Reel Canister 14 UCLRL. "Element 104 Chemistry." Original., n.d.

Container **Of**

- Folder 1 UCLBL. "Building An Atomic Accelerator." "C Music" - No title on canister
- Folder 2 "Controlled Photosynthesis." Jim Halverson film.
- Folder 3 "Mag. Track. 8133." Untitled.
- Folder 4 'Building An Atomic Accelerator' Oct. 3, 1973 Revised Pre-Dub
- Folder 5 Halverson, What if Analysis Pre-Dub
- Folder 6 Mag Track, 16 mm. ["Heritage" temp. mix film].
- Folder 7 Technical Film Dept. WP General Titles, 4/79 16mm.
- Folder 8 Untitled. [LBL Sound, synchronized, clear]
- Folder 9 Halverson, What-if-Analysis A Music
- Folder 10 Untitled. ["B Music"] ["Halverson", What-if-Analysis"]

Container **Of**

- Film Reel Canister 1 LBL. "Earthquake Studies, Water Motion, 3/1/77." Drs. Scalize & Godden. 26mins.
- Film Reel Canister 2 #514. "Building an Atomic Accelerator." 31 mins., 1100 ft.
- Film Reel Canister 3 #504. "A Beginning without End." 30 mins., 1090 ft., Print 5. "Heritage," Print #1.
- Film Reel Canister 4 #519. "Nuclear finger Printing of Ancient Pottery." 21 mins., 750 ft.

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| Film Reel Canister | 5 | #507 | "Trip Steel." 16 mins., 480 ft. Sound. |
| Film Reel Canister | 6 | #508. | "The First Chemical Separation of Lawrencium," Print #1. 47 mins., 625 ft. |
| Film Reel Canister | 7 | #521. | "The Moving Finger Writes," 11 mins., 397 ft. |
| Film Reel Canister | 8 | #504. | "A beginning Without End." [Only Good Print.] 30 mins., 1100 ft. |
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| Film Reel Canister | 1 | Glenn Seaborg, E.O. Lawrence, Emilio Serge: 'Delivery of New Elements Below Uranium & Explanation of Cyclotron.'" "The Elements." [Replacement for destroyed original] | |
| Film Reel Canister | 2 | Canister untitled. [UCRL, 'Acromegaly,' Reels A&B, includes out card.] 16mm | |
| Film Reel Canister | 3 | 'Can #27. Bubble Chamber History Data Analysis." Master print. M4663. | |
| Film Reel Canister | 4 | M3901-UCLRL-B. 'Acromegaly' Mag. St., Print. 16mm | |
| Film Reel Canister | 5 | July 1958 Construction of Bevatron Bubble Chamb. Arrival of some large magnet parts, building construction, incl. XcHc.B. C. 72" 1961-7 Walking Bubble Chamb. | |