

# Ernest Orlando Lawrence Berkeley National Laboratory

## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Archives and Records Office Use Only</b>
Directorate	Public Affairs	
<b>Group</b>		<b>Filing Code</b>
Creative Services Offices (CSO)/PhotoLab		ARO-6490
<b>Location</b>	46R0125	<b>LBLN Accession Date</b>
<b>Transferee</b>	Bailey, Marilee B	10/4/2012
<b>Head of Department</b>		<b>FRC Accession No.</b>
Pamela Patterson		

### Records Title

Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs

### Inclusive Date of Records

1943      1962

### No of Containers

3      FRC Box

### Brief description of records

AT NARA  
 This accession provides photographic documentation of the early history of Lawrence Berkeley National Laboratory (LBLN). Significant individuals, projects, instruments and events were photographed in the early days of what was then known as the University of California Radiation Laboratory (UCRL). This collection is comprised of 4 X 5 Kodak film attributed to various known and unknown Lab photographers. The collection includes images of the 37-inch cyclotron, the 60-inch cyclotron (including the shutdown) and the 184-cyclotron. The images include building construction, models, instrumentation and personnel associated with the cyclotrons.

Key subject matter includes:

- Early images of the instrumentation, magnet, tanks associated with the 37-inch cyclotron including dismantling. Personnel associated: Ed Lofgren, Stanley Frankel (Frankelstein assembly)
- Early image associated with the 60-inch cyclotron including its shutdown in 1962.
- Personnel associated with the 60-inch cyclotron including E.O. Lawrence, John Lawrence, Edwin McMillan, Bill Brobeck, Donald Cooksey, Robert Thornton
- Work associated with Dr. J.G. Hamilton
- Crocker Laboratory and remodeling of 60-inch cyclotron
- Animal research associated with the 60-inch cyclotron
- Early images of the construction of 184-inch cyclotron from 1946 including building construction, tanks, magnet and cave, associated instrumentation, and beam emerging from focusing magnet
- Calutron conversion (1946)
- Personnel associated with the 184-inch cyclotron including E.O. Lawrence, Jimmy Vale, Robert Thornton, Orley, Donald Cooksey, Bill Brobeck, Bob Habe, and "Babe" Seaborg

This collection was selected as critical for digitization because of the following factors:

- General degradation of media
- Limited personnel available to identify individuals and scientific instruments.

For the previously accessioned photographs, see ARO-5878, ARO-6008, and ARO-6341. NARA Accession Number NN3-434-10-005 covers the analog negatives transferred to NARA; NN3-434-11-002 covers the digital images transferred.

### Materials

Optical Digital Data Disks - Photographs, Black and White Negative

**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/21/1/1A-E
- 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

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<b>Group</b> Creative Services Offices (CSO)/PhotoLab		
<b>Records Title</b> Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

**Container**  **Of**

- |        |   |
|--------|---|
| Folder | 1 ARO-6490 / Directorate / Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs [contains transmittal (series description and box content listing)]   |
| Folder | 2 2 VERBATIM Archival Grade DVD-R 8X<br>[Contents:<br>Analog Conversion Project / Lawrence Berkeley Nat'l Laboratory / 1 Cyclotron Rd. Berkeley, CA 94720 / July 31, 2012, 588 tiff format [VERBATIM Archival Grade DVD-R 8X].<br>Contents Summary: XBD9705-02164.TIF -- XBD201206-00308.TIF<br><br>Analog Conversion Project / Lawrence Berkeley Nat'l Laboratory / 1 Cyclotron Rd. Berkeley, CA 94720 / July 31, 2012, 588 png format with index [VERBATIM Archival Grade DVD-R 8X].<br>Contents Summary: XBD9705-02164.PNG -- XBD201206-00308.PNG] |

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Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

Box

3 BOX 1--XBD9705-02164.TIF - XBD201105-00656.TIF:

XBD9705-02164.TIF -- 184-inch cyclotron experimental magnet is set up by Bob Habe (left) and "Babe" Seaborg. Principal Investigator/Project: Image Library Project  
 XBD201102-00636.TIF -- 184-inch cyclotron. Transmission live calculator. Photo taken 6/30/1953. 184"-1132  
 XBD201104-00180.TIF -- 184-inch cyclotron, calutron conversion. Photo taken 5/27/1946. Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00181.TIF -- 184-inch cyclotron, calutron conversion, cooling rings. Photo taken 5/27/1946. Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00182.TIF -- 184-inch cyclotron, calutron conversion, refrigerated baffle. Photo taken 5/28/1946. Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00183.TIF -- 184-inch cyclotron, calutron conversion. Dee support, sower tube condenser. Photo taken 6/6/1946. Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00184.TIF -- 184-inch cyclotron, calutron conversion. Dee stem support. Photo taken 6/8/1946. 184"-227 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00185.TIF -- 184-inch cyclotron, calutron conversion, pump room. Photo taken 6/19/1946. 184"-229 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00186.TIF -- 184-inch cyclotron, calutron conversion, pump room. Photo taken 6/19/1946. 184"-231 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00187.TIF -- 184-inch cyclotron, calutron conversion, tanks arrival (outside view). Photo taken 6/20/1946. 184"-232 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00188.TIF -- 184-inch cyclotron, calutron conversion. Cyclotron dee, face end showing exit slot in left side. Photo taken 6/20/1946. 184"-233 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00189.TIF -- 184-inch cyclotron, calutron conversion. 1/4 scale model oscillator and dee system, showing details of grounded grid oscillator. Photo taken 6/19/1946. 184"-236 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00190.TIF -- 184-inch cyclotron, calutron conversion, tanks arrival (outside view). Photo taken 6/20/1946. 184"-238 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00191.TIF -- 184-inch cyclotron, calutron conversion, cyclotron dee support. Photo taken 6/28/1946. 184"-251 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00192.TIF -- 184-inch cyclotron, calutron conversion. Cyclotron tank outside with Donald Cooksey and another person sitting inside. Photo taken 6/28/1946. 184"-252 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00193.TIF -- 184-inch cyclotron tank, calutron conversion. Photo taken 6/28/1946. 184"-254 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00194.TIF -- 184-inch cyclotron tank, calutron conversion. Cyclotron tank with unknown persons sitting inside. Photo taken 6/28/1946. 184"-257 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00195.TIF -- 184-inch cyclotron tank, calutron conversion. Cyclotron tank. Photo taken 6/28/1946. 184"-258 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00196.TIF -- 184-inch cyclotron tank, calutron conversion. Tank being moved by crane. Photo taken 6/21/1946. 184"-266 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00197.TIF -- 184-inch cyclotron tank, calutron conversion. Photo taken 6/21/1946. 184"-268 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00198.TIF -- 184-inch cyclotron, calutron conversion. Coarse control for 184-inch

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magnet. Photo taken 7/3/1946. 184"-270 Principal Investigator/Project: Analog Conversion Project XBD201104-00199.TIF -- 184-inch cyclotron, calutron conversion. Photo taken 7/2/1946. 184"-277 Principal Investigator/Project: Analog Conversion Project XBD201104-00200.TIF -- 184-inch cyclotron, calutron conversion, construction scheme. Photo taken 6/27/1946. 184"-278 Principal Investigator/Project: Analog Conversion Project XBD201104-00201.TIF -- 184-inch cyclotron, calutron conversion. Coarse control for 184-inch magnet. Photo taken 7/3/1946. 184"-279 Principal Investigator/Project: Analog Conversion Project XBD201104-00202.TIF -- 184-inch cyclotron, calutron conversion. Dee framework. Unknown date. 184"-280 Principal Investigator/Project: Analog Conversion Project XBD201104-00203.TIF -- 184-inch cyclotron, calutron conversion. Dee frame work, front view showing. Exit slot seen through beams. Unknown date. 184"-281 Principal Investigator/Project: Analog Conversion Project XBD201104-00204.TIF -- 184-inch cyclotron, calutron conversion. Dee frame work. BTL beam connection. Unknown date. 184"-282 Principal Investigator/Project: Analog Conversion Project XBD201104-00205.TIF -- 184-inch cyclotron, calutron conversion, dee assembly. Photo taken 8/14/1946. 184"-291 Principal Investigator/Project: Analog Conversion Project XBD201104-00206.TIF -- 184-inch cyclotron, calutron conversion, air sock assembly. Photo taken 8/20/1946. 184"-291 Principal Investigator/Project: Analog Conversion Project XBD201104-00207.TIF -- 184-inch cyclotron, calutron conversion, rotor condenser. Photo taken 8/20/1946. 184"-298 Principal Investigator/Project: Analog Conversion Project XBD201104-00208.TIF -- 184-inch cyclotron, calutron conversion, view through magnet at face plate and rotor condenser. Photo taken 8/20/1946. 184"-300 Principal Investigator/Project: Analog Conversion Project XBD201104-00209.TIF -- 184-inch cyclotron, calutron conversion, 1/4 scale 184-inch ref system. Photo taken 8/22/1946. 184"-308 Principal Investigator/Project: Analog Conversion Project XBD201104-00210.TIF -- 184-inch cyclotron, calutron conversion, 1/4 scale 184-inch ref system. Photo taken 8/22/1946. 184"-309 Principal Investigator/Project: Analog Conversion Project XBD201104-00211.TIF -- 184-inch cyclotron, calutron conversion, tank liners and dee. Photo taken 8/22/1946. 184"-311 Principal Investigator/Project: Analog Conversion Project XBD201104-00212.TIF -- 184-inch cyclotron, calutron conversion, by-pass capacitor "loss element." Photo taken 8/22/1946. 184"-312 Principal Investigator/Project: Analog Conversion Project XBD201104-00213.TIF -- 184-inch cyclotron, calutron conversion, transmission lines and padding capacitors. Photo taken 8/22/1946. 184"-313 Principal Investigator/Project: Analog Conversion Project XBD201104-00214.TIF -- 184-inch cyclotron, calutron conversion, magnet plate adjustment system. Photo taken 2/22/1946. 184"-314 Principal Investigator/Project: Analog Conversion Project XBD201104-00215.TIF -- 184-inch cyclotron, calutron conversion, removing plates from roller skids. Photo taken 2/22/1946. 184"-316 Principal Investigator/Project: Analog Conversion Project XBD201104-00216.TIF -- 184-inch cyclotron, calutron conversion, sliding plates onto magnet. Photo taken 2/22/1946. 184"-317 Principal Investigator/Project: Analog Conversion Project XBD201104-00217.TIF -- 184-inch cyclotron, calutron conversion, 1/4 scale EL model of oscillator. Photo taken 8/22/1946. 184"-321 Principal Investigator/Project: Analog Conversion Project XBD201104-00218.TIF -- 184-inch cyclotron, calutron conversion, 1/4 scale EL model of oscillator. Photo taken 8/22/1946. 184"-322 Principal Investigator/Project: Analog Conversion Project XBD201104-00219.TIF -- 184-inch cyclotron, calutron conversion, rotor condenser. Photo taken 8/21/1946. 184"-323 Principal Investigator/Project: Analog Conversion Project XBD201104-00220.TIF -- 184-inch cyclotron, calutron conversion, Robert Thornton. Photo taken

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9/14/1946. 184"-378 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00221.TIF -- 184-inch cyclotron, calutron conversion, Bill Brobeck. Photo taken  
 9/14/1946. 184"-379 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00222.TIF -- 184-inch cyclotron, calutron conversion, Orley and an unknown person.  
 Photo taken 9/14/1946. 184"-380 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00224.TIF -- 184-inch cyclotron, calutron conversion, Robert Thornton. Photo taken  
 9/14/1946. 184"-381 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00225.TIF -- 184-inch cyclotron, calutron conversion. Photo taken 9/14/1946. 184"-  
 384 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00226.TIF -- 184-inch cyclotron, calutron conversion, dee in tank. Photo taken  
 9/14/1946. 184"-385 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00227.TIF -- 184-inch cyclotron, calutron conversion. Restricted. Declassified 4-30-  
 1959 R.H.W. Photo taken 10/2/1946. 184"-414 Principal Investigator/Project: Analog Conversion  
 Project  
 XBD201104-00228.TIF -- 184-inch cyclotron oscillator, calutron conversion. Photo taken  
 10/4/1946. 184"-425 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00229.TIF -- 184-inch cyclotron oscillator, calutron conversion, view of pit under  
 terminal, lower coil. Photo taken 10/4/1946. 184"-443 Principal Investigator/Project: Analog  
 Conversion Project  
 XBD201104-00230.TIF -- 184-inch cyclotron, calutron conversion. Oil leaking from lower tank.  
 Photo taken 10/4/1946. 184"-445 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00231.TIF -- 184-inch cyclotron, calutron conversion. View of building 6 from roof of  
 building 4. Photo taken 10/4/1946. 184"-447 Principal Investigator/Project: Analog Conversion  
 Project  
 XBD201104-00232.TIF -- 184-inch cyclotron, calutron conversion. Burned terminal box. Photo  
 taken 10/4/1946. 184"-448 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00233.TIF -- 184-inch cyclotron, calutron conversion. View of vacuum tank from dee  
 faceplate side. Note right liner arrangement. Photo taken 10/11/1946. 184"-472 Principal  
 Investigator/Project: Analog Conversion Project  
 XBD201104-00234.TIF -- 184-inch cyclotron oscillator, calutron conversion. Photo taken  
 10/11/1946. 184"-477 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00235.TIF -- 184-inch cyclotron oscillator, calutron conversion. Photo taken  
 10/15/1946. 184"-483 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00236.TIF -- 184-inch cyclotron oscillator, calutron conversion. Photo taken  
 10/15/1946. 184"-484 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00237.TIF -- 184-inch cyclotron, calutron conversion. 184-inch dee and edge of pole  
 faces before shielding. Photo taken 10/21/1946. 184"-504 Principal Investigator/Project: Analog  
 Conversion Project  
 XBD201104-00238.TIF -- 184-inch cyclotron dolly, calutron conversion. Photo taken 10/24/1946.  
 184"-520 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00239.TIF -- 184-inch cyclotron, calutron conversion. Ion source handling truck dolly.  
 Photo taken 10/25/1946. 184"-534 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00240.TIF -- 184-inch cyclotron, calutron conversion, ion source. Photo taken  
 10/28/1946. 184"-539 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00310.TIF -- 184-inch cyclotron probe switch and positron indicator assembly.  
 Photograph taken 11/7/1946. 184"-563 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00311.TIF -- 184-inch cyclotron rotor condenser short. Photograph taken 11/11/1946.

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184"-569 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00312.TIF -- 184-inch cyclotron liquid air pump system, diffusion pumps. Photograph taken 11/15/1946. 184"-579 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00313.TIF -- 184-inch cyclotron shielding. Photograph taken 11/15/1946. 184"-580 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00314.TIF -- 184-inch cyclotron shielding. Photograph taken 11/18/1946. 184"-581 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00315.TIF -- 184-inch cyclotron drawing for publication. Photograph taken 11/26/1946. 184"-584 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00316.TIF -- 184-inch cyclotron drawing. Photograph undated. 184"-588 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00317.TIF -- 184-inch cyclotron model. Photograph taken 12/8/1946. 184"-589 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00318.TIF -- 184-inch cyclotron drawing. Photograph taken 12/1946. 184"-591 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00319.TIF -- 184-inch cyclotron drawing. Photograph taken 12/1946. 184"-592 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00320.TIF -- 184-inch cyclotron drawing. Photograph taken 12/1946. 184"-593 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00321.TIF -- 184-inch cyclotron pulse transformer. Photograph taken 12/19/1946. 184"-599 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00345.TIF -- 184-inch cyclotron. Photo taken 12/19/1946. 184"-602 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00346.TIF -- 184-inch cyclotron. Attash. Photo taken 12/27/1946. 184"-607 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00348.TIF -- 184-inch cyclotron. Arc pulse amplifier. Photo taken 1/10/1947. 184"-611 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00349.TIF -- 184-inch cyclotron. Arc pulse amplifier. Photo taken 1/10/1947. 184"-612 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00350.TIF -- 184-inch cyclotron magnet. Photo taken 1/15/1947. 184"-615 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00351.TIF -- 184-inch cyclotron, general view from south side. Photo taken 1/22/1947. 184"-628 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00352.TIF -- 184-inch cyclotron diffusion pumps. Photo taken 1/28/1947. 184"-634 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00353.TIF -- 184-inch cyclotron, interior view. Photo taken 1/28/1947. 184"-638 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00354.TIF -- 184-inch cyclotron magnet with protective canvas. Photo taken 1/30/1947. 184"-649 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00355.TIF -- 184-inch cyclotron. Digging up floor for shielding. Photo taken 2/4/1947. 184"-650 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00356.TIF -- 184-inch cyclotron with floor dug up. Photo taken 2/6/1947. 184"-654 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00357.TIF -- 184-inch cyclotron cement foundations. Photo taken 2/18/1947. 184"-662 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00358.TIF -- 184-inch cyclotron cement foundations. Photo taken 2/18/1947. 184"-664 Principal Investigator/Project: Analog Conversion Project

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XBD201104-00359.TIF -- 184-inch cyclotron. Cement mixer rig for the laying of shielding foundations. Photo taken 2/20/1947. 184"-666 Principal Investigator/Project: Analog Conversion Project

XBD201104-00360.TIF -- 184-inch cyclotron probe. Photo taken 3/7/1947. 184"-684 Principal Investigator/Project: Analog Conversion Project

XBD201104-00361.TIF -- 184-inch cyclotron radiation shielding. Photo taken 3/18/1947. 184"-687 Principal Investigator/Project: Analog Conversion Project

XBD201104-00362.TIF -- 184-inch cyclotron low shielding pump. Photo taken 3/12/1947. 184"-694 Principal Investigator/Project: Analog Conversion Project

XBD201104-00363.TIF -- 184-inch cyclotron. On left: 250 KW M.G. set with 2,300 volt bus. switching and syn motor starting equipment. Straight ahead: D.C. output controls of 5 M.G. sets. On right: 90 KW M.G. set. Photo taken 3/15/1947. 184"-702 Principal Investigator/Project: Analog Conversion Project

XBD201104-00364.TIF -- 184-inch cyclotron. Main 12 K.V. switching area in M.G. room. 12 K.V. main O.C.B. on termination of 6,200 K.V. A line from campus, on right. 12 K.V. O.C.B. for transformers feeding 2,300 volt bus. on left. Metering transformers inside cage. Fused disconnects on overhead 12 K.V. distribution busses. Photo taken 3/15/1947. 184"-703 Principal Investigator/Project: Analog Conversion Project

XBD201104-00365.TIF -- 184-inch cyclotron. Non-heated pulse deflector. Photo taken 3/17/1947. 184"-710 Principal Investigator/Project: Analog Conversion Project

XBD201104-00366.TIF -- 184-inch cyclotron. Overhead view of the cyclotron, showing magnet yoke, crane, and shielding. Photo taken 4/4/1947. 184"-711 Principal Investigator/Project: Analog Conversion Project

XBD201104-00367.TIF -- 184-inch cyclotron oscillator. Photo taken 4/4/1947. 184"-712 Principal Investigator/Project: Analog Conversion Project

XBD201104-00368.TIF -- 184-inch cyclotron rotary condenser. Photo taken 4/14/1947. 184"-717 Principal Investigator/Project: Analog Conversion Project

XBD201104-00369.TIF -- 184-inch cyclotron. Assembled pluse transformer for deflector. Photo taken 4/21/1947. 184"-720 Principal Investigator/Project: Analog Conversion Project

XBD201104-00370.TIF -- 184-inch cyclotron. Beam target handling by compressed air assembly. Lead shielding target carrier in place. Photo taken 4/21/1947. 184"-723 Principal Investigator/Project: Analog Conversion Project

XBD201104-00371.TIF -- 184-inch cyclotron. Experimental magnetic deflector. Photo taken 4/29/1947. 184"-726 Principal Investigator/Project: Analog Conversion Project

XBD201104-00372.TIF -- 184-inch cyclotron ionization chamber. Photo taken 5/5/1947. 184"-733 Principal Investigator/Project: Analog Conversion Project

XBD201104-00373.TIF -- 184-inch cyclotron ionization chamber. Photo taken 5/5/1947. 184"-734 Principal Investigator/Project: Analog Conversion Project

XBD201104-00374.TIF -- 184-inch cyclotron deflector. Photo taken 5/14/1947. 184"-739 Principal Investigator/Project: Analog Conversion Project

XBD201104-00375.TIF -- 184-inch cyclotron. Gas supply needly valve drive assembly. Photo taken 6/2/1947. 184"-744 Principal Investigator/Project: Analog Conversion Project

XBD201104-00376.TIF -- 184-inch cyclotron. Radiation shielding door control. Photo taken 7/15/1947. 184"-768 Principal Investigator/Project: Analog Conversion Project

XBD201104-00377.TIF -- 184-inch cyclotron. Installing new rotary condenser. Photo taken 7/24/1947. 184"-774 Principal Investigator/Project: Analog Conversion Project

XBD201104-00378.TIF -- 184-inch cyclotron ion guage power supply. "Latest layout and



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modification." Photo taken 8/10/1947. 184"-788 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00379.TIF -- 184-inch cyclotron. 80-inch magnetic deflector. Photo taken 8/13/1947. 184"-791 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00380.TIF -- 184-inch cyclotron proton conversion. Photo taken 8/22/1947. 184"-801 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00381.TIF -- 184-inch cyclotron beam target handling equipment: lead cylinder and cart. Photo taken 9/3/1947. 184"-803 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00382.TIF -- 184-inch cyclotron deflector adjustment unit. Photo taken 9/5/1947. 184"-805 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00397.TIF -- 184-inch cyclotron deflector and deflector adjustment unit. Photo taken 9/5/1947. 184"-806 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00398.TIF -- 184-inch cyclotron radiation shielding. Photo taken 9/17/1947. 184"-808 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00399.TIF -- 184-inch cyclotron deflector. Photo taken 9/17/1947. 184"-818 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00400.TIF -- 184-inch cyclotron resonant lines. Inner conductor water cooling lines. Photo taken 9/22/1947. 184"-820 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00401.TIF -- 184-inch cyclotron resonant lines. Inner conductor water cooling lines. Photo taken 9/22/1947. 184"-826 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00402.TIF -- 184-inch cyclotron resonant lines. Inner conductor water cooling lines. Photo taken 9/22/1947. 184"-830 Principal Investigator/Project: Analog Conversion Project  
 XBD201104-00403.TIF -- 184-inch cyclotron deflector. Photo taken 9/26/1947. 184"-835 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00555.TIF -- 184-inch cyclotron. Deflector R.7. sync, model II. Photo taken 9/29/1947. 184"-836 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00556.TIF -- 184-inch cyclotron. Deflector R.7. sync, model II. Photo taken 9/29/1947. 184"-838 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00557.TIF -- 184-inch cyclotron. Trigger amplifier model II. Photo taken 11/14/1947. 184"-842 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00558.TIF -- 184-inch cyclotron. Special pulse transformer. Deflector trigger amplifier. Photo taken 11/13/1947. 184"-846 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00559.TIF -- 184-inch cyclotron. Deflector power supply pulse generator. Photo taken 11/19/1947. 184"-850 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00560.TIF -- 184-inch cyclotron. Deflected beam pattern on port of focusing magnet. Photo taken 12/1/1947. 184"-852 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00562.TIF -- 184-inch cyclotron. Deflected beam pattern with various currents on focusing magnet. Photo taken 12/1/1947. 184"-853 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00563.TIF -- 184-inch cyclotron. Deflected beam pattern with focusing magnet (100 amps) and deuteron tube. Photo taken 12/1/1947. 184"-854 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00564.TIF -- 184-inch cyclotron, bending the magnet. Photo taken 12/3/1947. 184"-855 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00565.TIF -- 184-inch cyclotron beam focusing magnet. Photo taken 12/3/1947. 184"-859 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00567.TIF -- 184-inch cyclotron beam focusing magnet. Photo taken 12/3/1947. 184"-

# Ernest Orlando Lawrence Berkeley National Laboratory

## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

860 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00568.TIF -- 184-inch cyclotron beam focusing magnet. Photo taken 12/3/1947. 184"-  
 861 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00569.TIF -- 184-inch cyclotron. Pulse transformer parts and assembly, deflector  
 power supply. Photo taken 12/12/1947. 184"-867 Principal Investigator/Project: Analog Conversion  
 Project  
 XBD201105-00570.TIF -- 184-inch cyclotron. Pulse transformer parts and assembly, deflector  
 power supply. Photo taken 12/12/1947. 184"-871 Principal Investigator/Project: Analog Conversion  
 Project  
 XBD201105-00571.TIF -- 184-inch cyclotron. Rotor housing and stub looking towards Dee. Photo  
 taken 12/17/1947. 184"-888 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00572.TIF -- 184-inch cyclotron. Pulse transformer and H-6000 chassis and tube  
 assembly (CD test and capacitor); deflector power supply. Photo taken 12/22/1947. 184"-895  
 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00573.TIF -- 184-inch cyclotron. Beam focusing magnet. Photo taken 1/1/1948. 184"-  
 896 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00574.TIF -- 184-inch cyclotron. Beam emerging from focusing magnet and 140 inch  
 of deuteron beam tube. Superseded by 184" 934. Photo taken 1/5/1948. 184"-899 Principal  
 Investigator/Project: Analog Conversion Project  
 XBD201105-00575.TIF -- 184-inch cyclotron. Beam emerging from deflected beam exit port  
 number 22. Superseded by 184" 935. Photo taken 1/5/1948. 184"-900 Principal Investigator/Project:  
 Analog Conversion Project  
 XBD201105-00576.TIF -- 184-inch cyclotron proton tube. Photo taken 2/17/1948. 184"-910  
 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00577.TIF -- 184-inch cyclotron oil drain. Photo taken 3/27/1948. 184"-915 Principal  
 Investigator/Project: Analog Conversion Project  
 XBD201105-00578.TIF -- 184-inch cyclotron cross section of rotary condenser. Photo taken  
 4/19/1948. 184"-917 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00579.TIF -- 184-inch cyclotron. One of the concrete neutron plugs being installed in  
 the radiation-shielding wall. Photo taken 7/2/1948. 184"-920 Principal Investigator/Project: Analog  
 Conversion Project  
 XBD201105-00580.TIF -- 184-inch cyclotron. Figure 10, resonant system-elevation drawing. Photo  
 taken 4/26/1948. 184"-924 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00581.TIF -- 184-inch cyclotron. SV-1 radar pulse modulation network D-170070.  
 Photo taken 4/30/1948. 184"-925 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00595.TIF -- 184-inch cyclotron telescope mount (neutron bench). Photo taken  
 5/7/1948. 184"-933 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00596.TIF -- 184-inch cyclotron. Beam emerging from focusing magnet and 14U of  
 deuteron beam tube. Photo taken 5/12/1948. 184"-934 Principal Investigator/Project: Analog  
 Conversion Project  
 XBD201105-00597.TIF -- 184-inch cyclotron. Beam emerging from deflected beam exit, port 22.  
 Photo taken 5/12/1948. 184"-935 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00598.TIF -- Ernest Orlando Lawrence in front of the 184-inch cyclotron control panel.  
 Photo taken 5/19/1948. 184"-939 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00599.TIF -- 184-inch cyclotron. 5V 3000 amp shunt. Photo taken 9/15/1948. 184"-  
 946 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00600.TIF -- 184-inch cyclotron vacuum tank. Photo taken 3/18/1954. 184"-1241

# Ernest Orlando Lawrence Berkeley National Laboratory

## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00601.TIF -- 184-inch cyclotron dee tank. Photo taken 11/22/1948. 184"-958 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00602.TIF -- 184-inch cyclotron beam exit equipment. Photo taken 12/13/1948. 184"-959 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00603.TIF -- 184-inch cyclotron. Miscellaneous equipment on beam exit. Photo taken 12/13/1948. 184"-960 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00604.TIF -- 184-inch cyclotron radiation field (drawing). Photo taken 2/3/1949. 184"-966 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00605.TIF -- 184-inch cyclotron radiation field (drawing). Photo taken 2/3/1949. 184"-967 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00606.TIF -- 184-inch cyclotron radiation field (drawing). Photo taken 2/3/1949. 184"-968 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00607.TIF -- 184-inch cyclotron radiation field (drawing). Photo taken 2/3/1949. 184"-969 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00608.TIF -- 184-inch cyclotron radiation field (drawing). Photo taken 2/3/1949. 184"-970 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00609.TIF -- 184-inch cyclotron radiation field (drawing). Photo taken 2/3/1949. 184"-971 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00610.TIF -- 184-inch cyclotron radiation field (drawing). Photo taken 2/3/1949. 184"-972 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00611.TIF -- 184-inch cyclotron radiation field (drawing). Photo taken 2/3/1949. 184"-973 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00612.TIF -- 184-inch cyclotron. Apparatus for measuring angular distribution of mesons. Photo taken 2/8/1949. 184"-984 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00613.TIF -- 184-inch cyclotron. Apparatus for measuring angular distribution of mesons. Photo taken 2/8/1949. 184"-985 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00614.TIF -- 184-inch cyclotron rotary condenser, general view of right side. Photo taken 2/17/1949. 184"-988 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00615.TIF -- 184-inch cyclotron deflector pulse trigger. Photo taken 2/18/1949. 184"-989 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00616.TIF -- 184-inch cyclotron. Interior of building 6. Photo taken 3/26/1949. 184"-1009 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00617.TIF -- 184-inch cyclotron radiation shielding. Photo taken 3/26/1949. 184"-1011 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00618.TIF -- 184-inch cyclotron beam focusing magnet. Photo taken 3/31/1949. 184"-1012 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00619.TIF -- 184-inch cyclotron. Spark gap and O2 trigger transformer. Photo taken 5/18/1949. 184"-1027 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00620.TIF -- Pulsed plasma focusing tube for 184-inch cyclotron external proton beam. Photo taken 5/18/1949. 184"-1028 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00621.TIF -- 184-inch cyclotron. Electrostatic hi-voltage cage for pulse firing and transformer equipment. Photo taken 5/18/1949. 184"-1033 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00622.TIF -- 184-inch cyclotron. Deuteron beam exit in cave. Photo taken 6/13/1949. 184"-1043 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00624.TIF -- 184-inch cyclotron block design study. Photo taken 8/5/1949. 184"-1062

# Ernest Orlando Lawrence Berkeley National Laboratory

## Records Transmittal

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Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00625.TIF -- 184-inch cyclotron block design study. Photo taken 8/5/1949. 184"-1064  
 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00626.TIF -- 184-inch cyclotron. Sylphon operated target holder. Photo taken  
 8/5/1949. 184"-1067 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00627.TIF -- 184-inch cyclotron proton probe airlock. Photo taken 9/23/1949. 184"-  
 1070 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00628.TIF -- 184-inch cyclotron proton probe airlock. Photo taken 9/23/1949. 184"-  
 1073 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00629.TIF -- 184-inch cyclotron. Retractable electrostatic deflector (support). Photo  
 taken 10/11/1949. 184"-1081 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00630.TIF -- 184-inch cyclotron. Retractable electrostatic deflector (support). Photo  
 taken 10/11/1949. 184"-1082 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00631.TIF -- 184-inch cyclotron. Rotor drive assembly (R.F. system). Photo taken  
 10/11/1949. 184"-1085 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00632.TIF -- 184-inch cyclotron proton probe airlock. Photo taken 11/9/1949. 184"-  
 1092 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00633.TIF -- 184-inch cyclotron. Hot cave for equipment storage, west side of 184-  
 inch shielding. Photo taken 12/30/1949. 184"-1097 Principal Investigator/Project: Analog  
 Conversion Project  
 XBD201105-00634.TIF -- 184-inch cyclotron conversion high-frequency model. Photo taken  
 6/30/1953. 184"-1130 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00638.TIF -- 184-inch cyclotron. Homer spool. Photo taken 12/17/1953. 184"-1143  
 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00640.TIF -- 184-inch cyclotron model magnet. Photo taken 8/31/1953. 184"-1142  
 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00641.TIF -- 184-inch cyclotron variable capacitor. Vibrating blade RF test model.  
 Photo taken 1/20/1954. 184"-1158 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00642.TIF -- 184-inch cyclotron pit. Photo taken 2/10/1954. 184"-1177 Principal  
 Investigator/Project: Analog Conversion Project  
 XBD201105-00643.TIF -- 184-inch cyclotron west pit. Photo taken 2/10/1954. 184"-1179 Principal  
 Investigator/Project: Analog Conversion Project  
 XBD201105-00644.TIF -- 184-inch cyclotron coil winding. Photo taken 2/19/1954. 184"-1189  
 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00649.TIF -- 184-inch cyclotron. Moving auxiliary magnet coil into Bldg. 6. Photo  
 taken 3/19/1954. 184"-1230 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00650.TIF -- 184-inch cyclotron. Moving auxiliary magnet coil into Bldg. 6. Photo  
 taken 3/19/1954. 184"-1231 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00651.TIF -- 184-inch cyclotron. Moving auxiliary magnet coil into Bldg. 6. Photo  
 taken 3/19/1954. 184"-1232 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00652.TIF -- 184-inch cyclotron. Moving auxiliary magnet coil into Bldg. 6. Photo  
 taken 3/19/1954. 184"-1234 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00653.TIF -- 184-inch cyclotron. Moving auxiliary magnet coil into Bldg. 6. Photo  
 taken 3/19/1954. 184"-1233 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00654.TIF -- 184-inch cyclotron vacuum tank. Photo taken 3/18/1954. 184"-1240  
 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00655.TIF -- 184-inch cyclotron auxiliary coil winding. Photo taken 3/18/1954. 184"-

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

<b>Division</b> Directorate	<b>Department</b> Public Affairs	<b>Filing Code</b> ARO-6490
<b>Group</b> Creative Services Offices (CSO)/PhotoLab		
<b>Records Title</b> Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

1245 Principal Investigator/Project: Analog Conversion Project  
XBD201105-00656.TIF -- 184-inch cyclotron stator proximity coil. Photo taken 4/13/1954. 184"-  
1253 Principal Investigator/Project: Analog Conversion Project

Container  Of

# Ernest Orlando Lawrence Berkeley National Laboratory

## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

Box

1 BOX 2--XBD201105-00657.TIF - XBD201108-00893.TIF

XBD201105-00657.TIF -- 184-inch cyclotron Dee assembly, bottom view. Photo taken 4/19/1954. 184"-1260 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00658.TIF -- 184-inch cyclotron variable capacitor truck. Photo taken 4/19/1954. 184"-1264 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00659.TIF -- 184-inch cyclotron part assembly of vibrating blae stator. Photo taken 4/30/1954. 184"-1264 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00660.TIF -- 184-inch cyclotron pole tip disks and shims. Photo taken 5/12/1954. 184"-1274 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00661.TIF -- 184-inch cyclotron magnet shim drilling setup with operator. Photo taken 5/20/1954. 184"-1275 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00662.TIF -- 184-inch cyclotron magnet shim, technician removing section. Photo taken 5/20/1954. 184"-1276 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00663.TIF -- 184-inch cyclotron magnet shim. Close up showing steps with technician. Photo taken 5/20/1954. 184"-1277 Principal Investigator/Project: Analog Conversion Project  
 XBD201105-00664.TIF -- 184-inch cyclotron. Overall view of shims. Close up showing steps with technician. Photo taken 5/20/1954. 184"-1278 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00666.TIF -- Experimental ion source for 184-inch cyclotron (view from rear). Photo taken 12/20/1954. 184"-1301 ZN-1177 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00667.TIF -- Experimental ion source for 184-inch cyclotron (overall view.) Photo taken 12/20/1954. 184"-1278 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00668.TIF -- New type meson cave shielding for 184-inch cyclotron. Photo taken 6/29/1955. 184"-1317 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00669.TIF -- Construction of new type meson cave shielding for 184-inch cyclotron. Photo taken 6/29/1955. 184"-1319 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00670.TIF -- Construction of new type meson cave shielding for 184-inch cyclotron. Photo taken 6/29/1955. 184"-1323 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00671.TIF -- Construction of new type meson cave shielding for 184-inch cyclotron. Photo taken 6/29/1955. 184"-1327 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00672.TIF -- Reconversion of 184-inch cyclotron. Photo taken 9/27/1955. 184"-1340 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00673.TIF -- Reconversion of 184-inch cyclotron, removal of vacuum tank. Photo taken 9/30/1955. 184"-1353 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00674.TIF -- Reconversion of 184-inch cyclotron, removal of vacuum tank. Photo taken 9/30/1955. 184"-1354 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00675.TIF -- Reconversion of 184-inch cyclotron, drilling disks. Photo taken 10/13/1955. 184"-1359 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00676.TIF -- Reconversion of 184-inch cyclotron, removal of coil tank. Photo taken 10/13/1955. 184"-1362 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00677.TIF -- 184-inch cyclotron, magnet coil maple replacement. Photo taken 1/5/1956. 184"-1380 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00678.TIF -- 184-inch cyclotron, coil stave installation jack with workmen. Photo taken 1/12/1956. 184"-1384 Principal Investigator/Project: Analog Conversion Project  
 XBD201106-00679.TIF -- 184-inch cyclotron, auxiliary coil being moved into tank. Photo taken 3/2/1956. 184"-1405 Principal Investigator/Project: Analog Conversion Project

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<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

XBD201106-00680.TIF -- 184-inch cyclotron, bottom auxiliary coil in final position in tank. Photo taken 3/6/1956. 184"-1410 Principal Investigator/Project: Analog Conversion Project

XBD201106-00681.TIF -- 184-inch cyclotron, upper auxiliary coil in final position in tank. Photo taken 3/8/1956. 184"-1418 Principal Investigator/Project: Analog Conversion Project

XBD201106-00682.TIF -- 184-inch cyclotron, workman jacking up upper auxiliary coil. Photo taken 3/8/1956. 184"-1421 Principal Investigator/Project: Analog Conversion Project

XBD201106-00687.TIF -- 184-inch cyclotron, Jimmy Vale with ion source. Photo taken 11/20/1956. 184"-1473 Principal Investigator/Project: Analog Conversion Project

XBD201106-00688.TIF -- 184-inch cyclotron, view showing magnet and meson cave. Photo taken 11/27/1956. 184"-1484 Principal Investigator/Project: Analog Conversion Project

XBD201106-00689.TIF -- 184-inch cyclotron, showing strong focusing channel. Photo taken 7/5/1957. 184"-1507 Principal Investigator/Project: Analog Conversion Project

XBD201106-00690.TIF -- 184-inch cyclotron, meson target assembly main drive assembly. Photo taken 8/8//1957. 184"-1513 Principal Investigator/Project: Analog Conversion Project

XBD201106-00691.TIF -- 184-inch cyclotron oscillator. Photo taken 8/6/1957. 184"-1514 Principal Investigator/Project: Analog Conversion Project

XBD201106-00692.TIF -- Beam extraction system for 184-inch cyclotron. Photo taken 11/27/1957. 184"-1522 Principal Investigator/Project: Analog Conversion Project

XBD201106-00693.TIF -- Jimmy Vale standing beside 184-inch cyclotron. Photo taken 7/1/1961 by George Kagawa. 184"-1524 Principal Investigator/Project: Analog Conversion Project

XBD201106-00694.TIF -- First track recorded from 184-inch cyclotron. Photo taken 6/2/1959. 184"-1531 Principal Investigator/Project: Analog Conversion Project

XBD201106-00695.TIF -- Construction of 184-inch cyclotron. Photo taken by Ed Reieux 12/12/1941. 184"-1549 Principal Investigator/Project: Analog Conversion Project

XBD201106-00696.TIF -- 184-inch cyclotron ion source with Jimmy Vale. Photo taken 11/19/1959. 184"-1551 Principal Investigator/Project: Analog Conversion Project

XBD201106-00697.TIF -- Dr. Crowe Pi Form Factor Experiment setup inside meson cave, 184-inch cyclotron. Photo by Doug McWilliams 7/21/1966. 184"-1679 Principal Investigator/Project: Analog Conversion Project

XBD201106-00698.TIF -- Crocker Laboratory, 60-inch cyclotron, concrete cubicle for storing active samples. Photo taken 5/4/1944. Declassified 1954. 60"-2 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00699.TIF -- Crocker Laboratory, 60-inch cyclotron, oscillator assembly tube. Photo taken 5/3/1944. Declassified 1954. 60"-3 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00700.TIF -- Crocker Laboratory, 60-inch cyclotron, target and tank assembly. Photo taken 5/4/1944. Declassified 1954. 60"-6 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00701.TIF -- Crocker Laboratory, 60-inch cyclotron, general view from front of rectifier cage showing oscillator and transmission lines. Photo taken 5/3/1944. Declassified 1954. 60"-8 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00702.TIF -- Crocker Laboratory, 60-inch cyclotron, control panel and desk. Photo taken 5/6/1944. Declassified 1954. 60"-11 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00703.TIF -- Coil winding jig for attachment of boring mill. Remodeling of 60-inch cyclotron, Crocker Laboratory. Photo taken 6/20/1944. Declassified 1954. 60"-13 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00704.TIF -- Crocker Laboratory 60-inch cyclotron, dee stems. Photo taken 7/18/1944. Declassified 1954. 60"-15 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00705.TIF -- Crocker Laboratory 60-inch cyclotron, magnet coils. Magnet and pole

# Ernest Orlando Lawrence Berkeley National Laboratory

## Records Transmittal

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<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

face, start of knockdown for remodeling. Photo taken 7/18/1944. Declassified 1954. 60"-17 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00706.TIF -- Crocker Laboratory 60-inch cyclotron. Coil in tank after removal from yoke to be rewound with additional "pancake" added. Photo taken 7/18/1944. Declassified 1954. 60"-18 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00707.TIF -- Crocker Laboratory 60-inch cyclotron. Winding coils on boring mill. Photo taken 7/22/1944. Declassified 1954. 60"-19 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00708.TIF -- Crocker Laboratory 60-inch cyclotron. Result of short in #2 pancake in coil. Photo taken 7/22/1944. Declassified 1954. 60"-20 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00715.TIF -- Re-coiling 60-inch coil for magnet, 60-inch cyclotron. Photo taken 7/22/1944. 60"-21 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00717.TIF -- Progression of copper into annealing furnace from old coil, 60-inch cyclotron. Photo taken 7/27/1944. 60"-24 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00718.TIF -- Annealing furnace in assembly line toward coil winder, 60-inch cyclotron. Photo taken 7/27/1944. 60"-25 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00719.TIF -- 60-inch coil winding. Copper ribbon passing through tension brake and buffer motors after annealing, 60-inch cyclotron. Photo taken 7/25/1944. 60"-26; ZN-707 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00720.TIF -- Winding coil, 60-inch cyclotron. Photo taken 7/27/1944. 60"-27 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00721.TIF -- Coils for 60-inch cyclotron. Photo taken 7/27/1944. 60"-29 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00722.TIF -- Vacuum chamber test, 60-inch cyclotron. Photo taken 7/29/1944. 60"-30 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00723.TIF -- Winding the lower 60-inch magnet (new copper stock), 60-inch cyclotron. Photo taken 7/31/1944. 60"-31 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00724.TIF -- Lower 60-inch coil #4, 60-inch cyclotron. Photo taken 7/31/1944. 60"-32 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00725.TIF -- Coil winding rig invented by H. Hofackers, 60-inch cyclotron. Photo taken 7/31/1944. 60"-33 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00726.TIF -- Hard soldering vice in coil assembly line, 60-inch cyclotron. Photo taken 7/31/1944. 60"-34 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00727.TIF -- Water cooled D's (dees), top and bottom, 60-inch cyclotron. Photo taken 8/9/1944. 60"-37 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00728.TIF -- D (dee) stem spider, 60-inch cyclotron. Photo taken 8/10/1944. 60"-39 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00729.TIF -- D (dee) stems, outer casings for 60-inch cyclotron. Photo taken 8/10/1944. 60"-40 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00730.TIF -- All coils for 60-inch cyclotron. Photo taken 8/16/1944. 60"-42 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00731.TIF -- D (dee) stems after cleanup, 60-inch cyclotron. Photo taken 8/16/1944. 60"-43 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00732.TIF -- D (dee) stems, 60-inch cyclotron. Photo taken 8/15/1944. Declassified, 1954. 60"-45 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00733.TIF -- D (dee) stems with temporary "hats" for vacuum testing, 60-inch



# Ernest Orlando Lawrence Berkeley National Laboratory

## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>		
Creative Services Offices (CSO)/PhotoLab		
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

cyclotron. Photo taken 8/15/1944. Declassified, 1954. 60"-46 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00734.TIF -- Vacuum chamber leak testing, 60-inch cyclotron. Photo taken 9/1/1944. Declassified, 1954. 60"-48 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00735.TIF -- Z coil being placed on template, 60-inch cyclotron. Photo taken 9/4/1944. Declassified, 1954. 60"-51 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00736.TIF -- Coils, 60-inch cyclotron. Photo taken 9/12/1944. Declassified, 1954. 60"-59 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00737.TIF -- Vacuum chamber and rails, 60-inch cyclotron. Photo taken 10/10/1944. Declassified, 1954. 60"-66 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00738.TIF -- Coil connections, 60-inch cyclotron. Photo taken 9/22/1944. Declassified, 1954. 60"-67 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00739.TIF -- Vacuum chamber and rails, 60-inch cyclotron. Photo taken 10/10/1944. Declassified, 1954. 60"-68 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00740.TIF -- Backus oscillator tube type II assm, 60-inch cyclotron. Photo taken 10/14/1944. Declassified, 4/30/1959. 60"-69 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00741.TIF -- Connector castings, D (dee) stems to tank, 60-inch cyclotron. Photo taken 10/20/1944. 60"-71 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00742.TIF -- Oscillating tube, 60-inch cyclotron. Photo taken 10/20/1944. Declassified, 4/30/1959. 60"-72 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00743.TIF -- Modenization panorama of re-assembly showing location of oscillator cages and Kinney pumps on top of Z yoke, 60-inch cyclotron. Photo taken 10/26/1944. Declassified, 1954. 60"-75 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00744.TIF -- D's (dees) mounted on D stems showing deflector plate mounting, 60-inch cyclotron. Photo taken 11/7/1944. Declassified, 4/30/1959. 60"-79 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00745.TIF -- Target chamber vacuum test, 60-inch cyclotron. Photo taken 11/20/1944. 60"-80 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00746.TIF -- Target chamber vacuum test, 60-inch cyclotron. Photo taken 11/20/1944. Declassified, 1954. 60"-81 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00747.TIF -- Deflector water supply, 60-inch cyclotron. Photo taken 11/20/1944. Declassified, 1954. 60"-82 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00748.TIF -- Vacuum tank showing differential pump manifold, 60-inch cyclotron. Photo taken 12/11/1944. 60"-86 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00749.TIF -- D (dee) stem ends showing water connections (looking away from D ends), 60-inch cyclotron. Photo taken 12/11/1944. 60"-87 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00750.TIF -- Voltage deflector, 60-inch cyclotron. Photo taken 12/22/1944. 60"-88 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00751.TIF -- Alpha beam, 60-inch cyclotron. Photo taken 4/2/1945. 60"-90 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00752.TIF -- D (dee) stem tank liner connection clamps, 60-inch cyclotron. Photo taken 4/20/1945. 60"-92 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00753.TIF -- D (dee) stem tank liner connection clamps, 60-inch cyclotron. Photo taken 4/20/1945. 60"-93 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00754.TIF -- D (dee) stem tank liner connection clamps, 60-inch cyclotron. Photo taken 4/20/1945. 60"-94 Principal Investigator/Project: Crocker Lab/60-inch

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## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

XBD201106-00755.TIF -- Booster relay cabinet assembly, 60-inch cyclotron. Photo taken 4/28/1945. 60"-97 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00756.TIF -- Looking East at oscillators, 60-inch cyclotron. Photo taken 6/20/1945. Declassified 4/30/1959. 60"-107 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00757.TIF -- Oscillator houses looking South-East, 60-inch cyclotron. Photo taken 6/20/1945. Declassified 4/30/1959. 60"-108 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00758.TIF -- Oscillator, 60-inch cyclotron. Photo taken 7/3/1945. Declassified 4/30/1959. 60"-118 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00759.TIF -- New North oscillator tube, 60-inch cyclotron. Photo taken 7/3/1945. Declassified 4/30/1959. 60"-119 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00760.TIF -- New North oscillator tube, 60-inch cyclotron. Photo taken 7/3/1945. Declassified 4/30/1959. 60"-120 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00761.TIF -- West side of tanks and magnet coils, 60-inch cyclotron. Photo taken 7/3/1945. Declassified 1954. 60"-122 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00762.TIF -- West side of tanks and magnet coils, 60-inch cyclotron. Photo taken 7/3/1945. Declassified 1954. 60"-123 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00763.TIF -- North-East side of tanks and magnet coils, 60-inch cyclotron. Photo taken 7/3/1945. Declassified 4/30/1959. 60"-126 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00764.TIF -- Experimental P.I.G. type of ion source, 60-inch cyclotron. Photo taken 8/23/1945. 60"-136 Principal Investigator/Project: Crocker Lab/60-inch

XBD201106-00772.TIF -- Donald Cooksey beside the 60-inch cyclotron. Photo taken in 1943 or 1944. 60"-227 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00802.TIF -- 60-inch cyclotron, top ion catcher. Photo taken 2/6/1946. 60"-140 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00803.TIF -- Model for 60-inch cyclotron. Photo taken 8/23/1946. 60"-141 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00804.TIF -- 60-inch cyclotron. Radioactive sample charger. Photo taken 12/26/1946. 60"-144 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00805.TIF -- 60-inch cyclotron capacity compensator position indicator. Photo taken 3/18/1947. 60"-146 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00806.TIF -- 60-inch cyclotron York-Hildebrand spark source. Photo taken 5/21/1946. 60"-148 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00807.TIF -- 60-inch cyclotron probe-vacuum lock face plate-dowel. Photo taken 9/8/1947. 60"-151 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00808.TIF -- 60-inch cyclotron. Autographs from BP-90 Hamilton report. Photo taken 10/22/1947. 60"-153 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00809.TIF -- 60-inch cyclotron. Autographs from BP-90 Hamilton report. Photo taken 10/22/1947. 60"-154 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00810.TIF -- 60-inch cyclotron. Autographs from BP-90 Hamilton report. Photo taken 10/22/1947. 60"-158 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00811.TIF -- 60-inch cyclotron. Autographs from BP-90 Hamilton report. Photo taken 10/22/1947. 60"-161 Principal Investigator/Project: J. Hamilton/60-inch

XBD201107-00812.TIF -- 60-inch cyclotron radioactive target carrying case. Photo taken 1/13/1948. 60"-173 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00813.TIF -- 60-inch cyclotron radioactive target carrying case. Photo taken 1/13/1948. 60"-174 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00814.TIF -- 60-inch cyclotron radioactive target carrying case. Photo taken

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## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>		
Creative Services Offices (CSO)/PhotoLab		
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

1/13/1948. 60"-175 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00815.TIF -- 60-inch cyclotron removable ion source adjusting unit. Photo taken  
 1/13/1948. 60"-177 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00816.TIF -- Radiograph of beam induced activity. 60-inch cyclotron deflector. Photo  
 taken 6/8/1948. 60"-178 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00817.TIF -- 60-inch cyclotron beam energy apparatus. Photo taken 10/14/1948. 60"-  
 181 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00818.TIF -- 60-inch cyclotron beam energy apparatus. Photo taken 10/14/1948. 60"-  
 182 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00819.TIF -- Carbon sample holder for 60-inch cyclotron. Photo taken 10/14/1948. 60"-  
 183 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00820.TIF -- View of 60-inch cyclotron. Photo taken 11/10/1948. 60"-184 Principal  
 Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00821.TIF -- 60-inch cyclotron. Special liquid target type C gas chamber. Photo taken  
 12/16/1948. 60"-185 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00826.TIF -- 60-inch cyclotron. Special liquid target type C gas chamber. Photo taken  
 12/16/1948. 60"-187 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00827.TIF -- Electron micrograph of compact bone from rat femur x 28,000. Photo  
 taken 1/24/1949. 60"-189 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00828.TIF -- Initial distribution of fission products in Bikini lagoons. Photo taken  
 1/29/1949. 60"-200 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00829.TIF -- Probe heads for 60-inch cyclotron. Photo taken 2/14/1949. 60"-201  
 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00830.TIF -- 60-inch cyclotron. Counter cave for short half-life measuring. Photo taken  
 4/14/1949. 60"-204 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00831.TIF -- 60-inch cyclotron. Short half-life target measuring equipment anthracene  
 counter. Photo taken 4/14/1949. 60"-205 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00832.TIF -- 60-inch cyclotron. Short half-life counter MARK I. Photo taken  
 4/14/1949. 60"-209 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00833.TIF -- 60-inch cyclotron. Gas target chamber MARK III. Photo taken 4/14/1949.  
 60"-210 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00834.TIF -- 60-inch cyclotron. Short half-life target MARK II. Photo taken 4/14/1949.  
 60"-211 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00835.TIF -- 60-inch cyclotron. Experimental grounded deflector type 2. Photo taken  
 4/14/1949. 60"-213 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00836.TIF -- 60-inch cyclotron. Experimental grounded deflector type 2. Photo taken  
 4/14/1949. 60"-214 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00837.TIF -- 60-inch cyclotron. Experimental target assembly. Photo taken 4/14/1949.  
 60"-215 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00838.TIF -- 60-inch cyclotron. Experimental target assembly. Photo taken 4/14/1949.  
 60"-217 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00839.TIF -- 60-inch cyclotron. East Dee stem liner. Photo taken 4/29/1949. 60"-219  
 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00840.TIF -- Stem tanks, Dee supports and vacuum tank for the 60-inch cyclotron.  
 Photo taken 4/29/1949. 60"-220 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00841.TIF -- Vacuum tank for the 60-inch cyclotron. Photo taken 4/29/1949. 60"-221  
 Principal Investigator/Project: Crocker Lab/60-inch

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## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

XBD201107-00842.TIF -- 60-inch cyclotron. Smoked drum record. Photo taken 4/29/1949. 60"-222  
Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00843.TIF -- 60-inch cyclotron. Smoked drum recording. Photo taken 5/5/1949. 60"-  
223 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00844.TIF -- 60-inch cyclotron, 47 Dees spider assy. Photo taken 6/2/1949. 60"-224  
Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00845.TIF -- 60-inch cyclotron, 47 Dees support clamps. Photo taken 6/2/1949. 60"-  
225 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00846.TIF -- Simultaneous silver line test and radioautographs of rat tibias. Photo  
taken 10/25/1949. 60"-229 Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00847.TIF -- Rat thyroid gland injected with astatine 211. Photo taken 10/31/1949. 60"-  
230. Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00848.TIF -- Control rat thyroid gland. Photo taken 10/31/1949. 60"-230. Principal  
Investigator/Project: Crocker Lab/60-inch

XBD201107-00849.TIF -- Rat thyroid gland injected with astatine 211. Photo taken 10/31/1949. 60"-  
232. Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00850.TIF -- High temperature target assembly for testing materials. Photo taken  
4/21/1950. 60"-259. Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00851.TIF -- Liquid target assembly for irradiation of lubricant materials. Photo taken  
4/21/1950. 60"-260. Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00852.TIF -- Detection apparatus for heavy ions. Photo taken 5/11/1950. 60"-273.  
Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00853.TIF -- Ionization chambers Faraday cup. Photo taken 5/11/1950. 60"-274.  
Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00854.TIF -- Ion sources for the 60-inch cyclotron. Photo taken 5/11/1950. 60"-275.  
Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00855.TIF -- Dr. Bowers' rat cage. Photo taken 7/25/1950. 60"-278. Principal  
Investigator/Project: Crocker Lab/60-inch

XBD201107-00856.TIF -- Los Alamos photographic plate scattering chamber, integrating  
equipment. Photo taken 10/14/1950. 60"-313. Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00857.TIF -- Los Alamos photographic plate scattering chamber, top view of camera.  
Photo taken 10/14/1950. 60"-314. Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00858.TIF -- Los Alamos photographic plate scattering chamber, cyclotron snout.  
Photo taken 10/12/1950. 60"-316. Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00859.TIF -- Los Alamos photographic plate scattering chamber, left side of camera.  
Photo taken 10/14/1950. 60"-316. Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00860.TIF -- Los Alamos photographic plate scattering chamber, right side of camera.  
Photo taken 10/14/1950. 60"-317. Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00861.TIF -- Figure 4, multiplate camera in LA-981. Photo taken 11/20/1950. 60"-  
323. Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00862.TIF -- Microscope super stage and extension for large plates. Photo taken  
6/19/1951. 60"-351. Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00863.TIF -- New RF deflector assembly, front view. Photo taken 6/20/1951. 60"-352.  
Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00864.TIF -- New RF deflector assembly, front view. Photo taken 6/20/1951. 60"-353.  
Principal Investigator/Project: Crocker Lab/60-inch

XBD201107-00865.TIF -- Microscope super stage. Photo taken 6/19/1951. 60"-355. Principal

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## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00866.TIF -- Batek target. Photo taken 7/10/1951. 60"-368. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00867.TIF -- Complete set up of circulating target. Photo taken 7/10/1951. 60"-369. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00868.TIF -- Glass assembly circulating target. Photo taken 7/10/1951. 60"-371. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00869.TIF -- Glass rotating target for aqueous solutions. Photo taken 9/25/1951. 60"-382. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00870.TIF -- Rotating glass target for bombardment of aqueous solutions in place on the 60-inch cyclotron. Photo taken 10/4/1951. 60"-384. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00871.TIF -- To measure the individual dee-to-ground capacity one dee must be grounded and an additional capacity shunted from the other dee to ground. Photo taken 10/24/1951. 60"-385. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00872.TIF -- The Dee circuits are aligned individually. The opposite Dee is grounded with two brass clips when the opposite Dee circuit is being tuned. Photo taken 10/24/1951. 60"-386. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00873.TIF -- Astatine studies, normal and experimental animals [monkey being fed a peanut]. Photo taken 11/19/1951 for Dr. J. G. Hamilton's group. 60"-388. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00874.TIF -- Astatine studies, normal and experimental animals [monkey in a cage]. Photo taken 11/19/1951 for Dr. J. G. Hamilton's group. 60"-390. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00875.TIF -- Astatine studies, normal and experimental animals [monkey in a cage]. Photo taken 11/19/1951 for Dr. J. G. Hamilton's group. 60"-393. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00876.TIF -- Curvature and range measuring apparatus for carbon ions. Photo taken 11/21/1951. 60"-399. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00877.TIF -- Probe ignition chamber and collimating slit. Photo taken 11/21/1951. 60"-400. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00878.TIF -- Deflector extracting arm. Photo taken 2/1/1952. 60"-421. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00879.TIF -- Effect of Dee voltage modulation on beam current. Photo taken 2/26/1952. 60"-436. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00880.TIF -- An e12 nucleus is scattered by collision with an a40 nucleus. Photo taken 3/13/1952. 60"-440. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00881.TIF -- An e12 nucleus collides with an oxygen (O16) nucleus contained in the water vapor. Photo taken 3/13/1952. 60"-441. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00882.TIF -- An e12 nucleus is scattered by an argon nucleus. Photo taken 3/13/1952. 60"-442. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00883.TIF -- Scattering results in e12 and a40 nuclei. Photo taken 3/13/1952. 60"-443. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00884.TIF -- Magnetic beam snouting for beam radius control. Photo taken 4/4/1952. 60"-451. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201107-00885.TIF -- Mark II showing slit and target carriage. Photo taken 4/15/1952. 60"-454. Principal Investigator/Project: Crocker Lab/60-inch

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## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

XBD201107-00886.TIF -- Counter and target carriage stag mechanism. Photo taken 4/15/1952. 60"-457. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00889.TIF -- Astatine data. Comparative studies of pelts in control in astatine injected animals [monkey]. Photo taken 5/16/1952 for Dr. J. G. Hamilton's group. 60"-463. Principal Investigator/Project: J. Hamilton/60-inch

XBD201108-00890.TIF -- Astatine data. Comparative studies of pelts in control in astatine injected animals [monkey]. Photo taken 5/16/1952 for Dr. J. G. Hamilton's group. 60"-464. Principal Investigator/Project: J. Hamilton/60-inch

XBD201108-00891.TIF -- Astatine data. Comparative studies of pelts in control in astatine injected animals [monkey]. Photo taken 5/16/1952 for Dr. J. G. Hamilton's group. 60"-465. Principal Investigator/Project: J. Hamilton/60-inch

XBD201108-00892.TIF -- Target assembly. Target design for radiation chemistry studies. Photo taken 9/9/1952. 60"-491. Principal Investigator/Project: 60-inch/W. Garrison

XBD201108-00893.TIF -- Target cell design number 1. Photo taken 11/10/1952. 60"-492A. Principal Investigator/Project: 60-inch/W. Garrison

**Container**  **Of**

# Ernest Orlando Lawrence Berkeley National Laboratory

## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

Box

1 BOX 3--XBD201108-00894.TIF - XBD201206-00308.TIF

XBD201108-00894.TIF -- Water cell target and cell assembly in Crocker Lab. Photo taken 11/1/1952. 60"-498. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00895.TIF -- Quick disconnect probe with high-intensity beam small area target. Photo taken 11/4/1952. 60"-505. Principal Investigator/Project: J. Hamilton/60-inch

XBD201108-00896.TIF -- Installation counting equipment. 60-inch cyclotron ventilating equipment. Photo taken 11/17/1952. 60"-509. Principal Investigator/Project: 60-inch/Norton Electronics

XBD201108-00897.TIF -- Installation of counting equipment at 60-inch cyclotron. I.E. counting room. Photo taken 11/17/1952. 60"-510. Principal Investigator/Project: 60-inch/Norton Electronics

XBD201108-00898.TIF -- Roentgenograms, natural size of representative regions of the skeleton of the astatine-treated hypothyroid monkey (x-ray of shoulder). Photo taken 1/28/1953. 60"-512. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00899.TIF -- Roentgenograms, natural size of representative regions of the skeleton of the astatine-treated hypothyroid monkey (x-ray of elbow). Photo taken 1/28/1953. 60"-513. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00900.TIF -- Roentgenograms, natural size of representative regions of the skeleton of the astatine-treated hypothyroid monkey (x-ray of hind paw). Photo taken 1/28/1953. 60"-514. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00901.TIF -- Roentgenograms, natural size of representative regions of the skeleton of the astatine-treated hypothyroid monkey (x-ray of forepaw). Photo taken 1/28/1953. 60"-515. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00902.TIF -- Roentgenograms, natural size of representative regions of the skeleton of the astatine-treated hypothyroid monkey (x-ray of knee). Photo taken 1/28/1953. 60"-516. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00903.TIF -- RF shielded foil target view of head with shield. Photo taken 2/11/1953. 60"-522. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00904.TIF -- RF shielded foil target view of head without shield. Photo taken 2/11/1953. 60"-523. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00905.TIF -- Magnet differential ampere meter. Photo taken 3/2/1953. 60"-526. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00906.TIF -- Magnet regulator. Photo taken 3/2/1953. 60"-528. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00907.TIF -- Magnet regulator. Photo taken 3/2/1953. 60"-529. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00908.TIF -- Roentgenograms, natural size of representative regions of the skeleton of the astatine-treated hypothyroid monkey. Photo taken 6/24/1953. 60"-542. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00909.TIF -- Alteration to 60-inch cyclotron. Photo taken 5/3/1954. 60"-551. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00910.TIF -- Alteration to 60-inch cyclotron. Photo taken 5/3/1954. 60"-552. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00911.TIF -- Alteration to 60-inch cyclotron. Photo taken 5/3/1954. 60"-553. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00912.TIF -- Alteration to 60-inch cyclotron. Photo taken 5/3/1954. 60"-554. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00913.TIF -- Alteration to 60-inch cyclotron. Photo taken 5/3/1954. 60"-556. Principal Investigator/Project: Crocker Lab/60-inch

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## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
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<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00914.TIF -- 60-inch cyclotron conversion progress. Photo taken 5/28/1954. 60"-558.  
 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00915.TIF -- 60-inch cyclotron conversion progress. Photo taken 5/28/1954. 60"-559.  
 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00916.TIF -- 60-inch cyclotron conversion progress. Photo taken 5/28/1954. 60"-560.  
 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00917.TIF -- 60-inch cyclotron conversion progress. Photo taken 5/28/1954. 60"-563.  
 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00918.TIF -- 60-inch cyclotron alteration "Dee." Photo taken 6/11/1954. 60"-563.  
 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00919.TIF -- 60-inch cyclotron alteration "Dee." Photo taken 6/11/1954. 60"-567.  
 Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00920.TIF -- 60-inch cyclotron probe positioning gear installed for testing, Dewar off. Photo taken 6/11/1954. 60"-568. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00921.TIF -- 60-inch cyclotron probe positioning gear. Photo taken 6/11/1954. 60"-571. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00923.TIF -- 1954 conversion to 60-inch cyclotron, Dee stems. Photo taken 6/1954. 60"-574. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00924.TIF -- 1954 conversion of 60-inch cyclotron, Dee stem and Dee stem tanks. Photo taken 6/1954. 60"-575. Principal Investigator/Project: Crocker Lab/E. Murphy  
 XBD201108-00925.TIF -- 1954 conversion of 60-inch cyclotron, both fixed and collapsible spider. Photo taken 6/1954. 60"-577. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00926.TIF -- Target assembly. Radiation chemistry with four unidentified researchers. Photo taken 8/24/1954. 60"-579. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00927.TIF -- 60-inch cyclotron target shaker. Photo taken 9/8/1954. 60"-581. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00928.TIF -- 60-inch cyclotron target shaker. Photo taken 9/8/1954. 60"-582. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00929.TIF -- Beam pattern from 60-inch cyclotron. Photo taken 10/29/1954. 60"-583. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00930.TIF -- Beam pattern from 60-inch cyclotron. Photo taken 11/5/1954. 60"-584. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00931.TIF -- Beam pattern from 60-inch cyclotron. Photo taken 11/5/1954. 60"-585. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00932.TIF -- Internal deflected beam probe-exploded view of probe head. Photo taken 3/29/1955. 60"-587. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00933.TIF -- Internal deflected beam probe. External view operating position. Photo taken 3/24/1955. 60"-590. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00934.TIF -- Internal envelope and deflected beam shape. Method for taking beam patterns. Photo taken 4/1/1955. 60"-591. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00935.TIF -- Method for taking beam patterns. Photo taken 4/1/1955. 60"-591A. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00936.TIF -- Adjustments to 60-inch cyclotron. Photo taken 11/11/1956. 60"-605. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00937.TIF -- Adjustments to 60-inch cyclotron. Photo taken 11/11/1956. 60"-608. Principal Investigator/Project: Crocker Lab/60-inch



# Ernest Orlando Lawrence Berkeley National Laboratory

## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

XBD201108-00938.TIF -- Shutdown of Crocker's 60-inch cyclotron. Left to right: Donald Cooksey, Bob Thornton, Ed McMillan, and unidentified individual. Photo taken 6/22/1962. 60"-611. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00939.TIF -- Shutdown of Crocker's 60-inch cyclotron. Left to right: John Lawrence, Bob Thornton, Ed McMillan, Don Cooksey, and unidentified individual. Photo taken 6/22/1962. 60"-612. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00940.TIF -- 60-inch cyclotron crew. Photo taken 6/27/1962. 60"-627. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00941.TIF -- Shutdown of Crocker Lab 60-inch cyclotron, Bob Thornton. Photo taken 6/30/1962. 60"-628. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00942.TIF -- Shutdown of 60-inch cyclotron. Photo taken 6/30/1962. 60"-631. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00943.TIF -- Shutdown of 60-inch cyclotron. Photo taken 7/30/1962. 60"-632. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00944.TIF -- Shutdown of 60-inch cyclotron. Photo taken 6/30/1962. 60"-633. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00945.TIF -- 60-inch cyclotron crew at disassembly. Photo taken 7/11/1962. 60"-635. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00946.TIF -- Shutdown of 60-inch cyclotron at Crocker Lab. Clockwise from left: Unidentified individual, Ed McMillan, John Lawrence, Donald Cooksey, and Bob Thornton. Photo taken 6/22/1962. 60"-617. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00947.TIF -- Shutdown of 60-inch cyclotron at Crocker Lab. Left to right: Bob Thornton, Ed McMillan, John Lawrence, and Donald Cooksey. Photo taken 6/22/1962. 60"-618. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00948.TIF -- Shutdown of 60-inch cyclotron at Crocker Lab. Clockwise from lower left: Bob Thornton Donald Cooksey, Ed McMillan (standing left), and John Lawrence at control panel. Photo taken 6/22/1962. 60"-619. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00949.TIF -- Shutdown of 60-inch cyclotron. Don Cooksey at control panel. Photo taken 6/22/1962. 60"-620. Principal Investigator/Project: Crocker Lab/ 60-inch

XBD201108-00950.TIF -- Shutdown of 60-inch cyclotron. John Lawrence and Ed McMillan standing by "Dees". Photo taken 6/22/1962. 60"-621. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00951.TIF -- Shutdown of 60-inch cyclotron. Left to right: Bob Thornton, Donald Cooksey, Ed McMillan standing in front of "Dees". Photo taken 6/22/1962. 60"-622. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00952.TIF -- Shutdown of 60-inch cyclotron. Left to right: Donald Cooksey, unknown individual, Bob Thornton, and Ed McMillan at control panel. Photo taken 6/22/1962. 60"-624. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00953.TIF -- Shutdown of 60-inch cyclotron. Ed McMillan (right) with unknown individual. Photo taken 6/22/1962. 60"-626. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00954.TIF -- Disassembling the 60-inch cyclotron. Photo taken 7/11/1962. 60"-636. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00955.TIF -- Disassembling the 60-inch cyclotron. Photo taken 7/11/1962. 60"-637. Principal Investigator/Project: Crocker Lab/60-inch

XBD201108-00956.TIF -- Disassembling the 60-inch cyclotron, exterior view. Photo taken 7/11/1962. 60"-639. Principal Investigator/Project: Calvin Lab/60-inch

XBD201108-00957.TIF -- Shutdown of 60-inch cyclotron. Photo taken 7/26/1962. 60"-640.

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## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00958.TIF -- Shutdown of 60-inch cyclotron showing tank. Photo taken 7/26/1962. 60"-642. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00959.TIF -- Shutdown of 60-inch cyclotron showing tank. Photo taken 7/26/1962. 60"-643. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00960.TIF -- Shutdown of 60-inch cyclotron. Photo taken 7/26/1962. 60"-644. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00961.TIF -- Shutdown of 60-inch cyclotron, (aerial view.) Photo taken 7/26/1962. 60"-648. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00962.TIF -- Shutdown of 60-inch cyclotron with workmen. Photo taken 7/26/1962. 60"-649. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00963.TIF -- Shutdown of 60-inch cyclotron with workmen. Photo taken 7/26/1962. 60"-652. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00964.TIF -- Shutdown of 60-inch cyclotron (aerial view.) Photo taken 7/26/1962. 60"-653. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00965.TIF -- Shutdown of 60-inch cyclotron (exterior view.) Photo taken 7/26/1962. 60"-654. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00966.TIF -- Shutdown of 60-inch cyclotron with workmen. Photo taken 7/26/1962. 60"-655. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00967.TIF -- Shutdown of 60-inch cyclotron, workmen with tank. Photo taken 7/26/1962. 60"-656. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00968.TIF -- Shutdown of 60-inch cyclotron with tank. Photo taken 7/26/1962. 60"-658. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00969.TIF -- Shutdown of 60-inch cyclotron. Photo taken 7/26/1962. 60"-659. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00970.TIF -- Shutdown of 60-inch cyclotron. Photo taken 7/26/1962. 60"-661. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00972.TIF -- Shutdown of 60-inch cyclotron. Photo taken 8/8/1962. 60"-664. Principal Investigator/Project: Crocker Lab/60-inch  
 XBD201108-00973.TIF -- Shutdown of 60-inch cyclotron. Photo taken 8/8/1962. 60"-665. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-00974.TIF -- 37-inch cyclotron. Photo taken 2/4/1943. 37"-1. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-00975.TIF -- 37-inch cyclotron, control room. Photo taken 2/4/1943. 37"-2. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-00976.TIF -- 37-inch cyclotron, technician at control panel. Photo taken 2/4/1943. 37"-5. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-00977.TIF -- 37-inch cyclotron, equipment detail. Photo taken 2/15/1943. 37"-9. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-00978.TIF -- 37-inch cyclotron, equipment detail. Photo taken 2/15/1943. 37"-11. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-00979.TIF -- 37-inch cyclotron, equipment detail. Photo taken 2/20/1943. 37"-13. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-00980.TIF -- 37-inch cyclotron. Photo taken 2/20/1943. 37"-15. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-00981.TIF -- 37-inch cyclotron, Stanley Frankel (Frankelstein) apparatus. Photo taken 2/26/1943. 37"-19. Principal Investigator/Project: Analog Conversion Project

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## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

XBD201108-00982.TIF -- 37-inch cyclotron, Stanley Frankel (Frankelstein) apparatus. Photo taken 3/1/1943. 37"-20. Principal Investigator/Project: Analog Conversion Project

XBD201108-00983.TIF -- 37-inch cyclotron, Stanley Frankel (Frankelstein) assembly. Photo taken 3/3/1943. 37"-22. Principal Investigator/Project: Analog Conversion Project

XBD201108-00984.TIF -- 37-inch cyclotron related, Stanley Frankel (Frenkelstein assembly. Photo taken 3/1/1943. 37"-21. Principal Investigator/Project: Analog Conversion Project

XBD201108-00985.TIF -- 37-inch cyclotron, Stanley Frankel (Frankelstein) assembly in place. Photo taken 2/27/1943. 37"-23. Principal Investigator/Project: Analog Conversion Project

XBD201108-00986.TIF -- 37-inch cyclotron, equipment detail with Ernest Orlando Lawrence at right. Photo taken 3/5/1943. 37"-24. Principal Investigator/Project: Analog Conversion Project

XBD201108-00987.TIF -- 37-inch cyclotron, equipment detail. Photo taken 3/5/1943. 37"-27. Principal Investigator/Project: Analog Conversion Project

XBD201108-00988.TIF -- 37-inch cyclotron, equipment detail. Photo taken 3/5/1943. 37"-28. Principal Investigator/Project: Analog Conversion Project

XBD201108-00989.TIF -- 37-inch cyclotron, equipment detail. Photo taken 3/4/1943. 37"-29. Principal Investigator/Project: Analog Conversion Project

XBD201108-00990.TIF -- 37-inch cyclotron, equipment detail. Photo taken 3/4/1943. 37"-30. Principal Investigator/Project: Analog Conversion Project

XBD201108-00991.TIF -- 37-inch cyclotron, Brower shims ORS ready to go in. Photo taken 3/11/1943. 37"-32. Principal Investigator/Project: Analog Conversion Project

XBD201108-00992.TIF -- Addition to control room at the 37-inch cyclotron. Photo taken 3/22/1943. 37"-33. Principal Investigator/Project: Analog Conversion Project

XBD201108-00993.TIF -- Source in III of 37-inch cyclotron, inside assembly. Photo taken 4/6/1943. 37"-35. Principal Investigator/Project: Analog Conversion Project

XBD201108-00994.TIF -- Source in III of 37-inch cyclotron, inside assembly. Photo taken 4/6/1943. 37"-36. Principal Investigator/Project: Analog Conversion Project

XBD201108-00995.TIF -- 37-inch cyclotron, transmitter shielding. Photo taken 4/8/1943. 37"-39. Principal Investigator/Project: Analog Conversion Project

XBD201108-00996.TIF -- 37-inch cyclotron, equipmnt associated with William Peters . Photo taken 4/9/1943. 37"-40. Principal Investigator/Project: Analog Conversion Project

XBD201108-00997.TIF -- 37-inch cyclotron, William Peters' equipment known as "duck bill." Photo taken 4/8/1943. 37"-41. Principal Investigator/Project: Analog Conversion Project

XBD201108-00998.TIF -- 37-inch cyclotron, potential equalizer and William Peters' "duck bill.". Photo taken 4/8/1943. 37"-42. Principal Investigator/Project: Analog Conversion Project

XBD201108-00999.TIF -- Inside the 37-inch cyclotron source, nickel plated. Photo taken 4/10/1943. 37"-42. Principal Investigator/Project: Analog Conversion Project

XBD201108-01000.TIF -- 37-inch cyclotron, receiver. Photo taken 4/10/1943. 37"-45. Principal Investigator/Project: Analog Conversion Project

XBD201108-01001.TIF -- 37-inch cyclotron, number three source after 1st run outside port. Photo taken 4/14/1943. 37"-48. Principal Investigator/Project: Analog Conversion Project

XBD201108-01002.TIF -- 37-inch cyclotron. Stainless steel liner M3 and stainless steel gunk catcher for M3. Photo taken 5/31/1943. 37"-49. Principal Investigator/Project: Analog Conversion Project

XBD201108-01003.TIF -- 37-inch cyclotron, cyclone sump. Photo taken 7/1/1943. 37"-53. Principal Investigator/Project: Analog Conversion Project

XBD201108-01004.TIF -- 37-inch cyclotron, cyclone sump. Photo taken 7/1/1943. 37"-56. Principal Investigator/Project: Analog Conversion Project

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## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

XBD201108-01005.TIF -- 37-inch cyclotron, double transverse J transmitter (H and J units). Photo taken 7/29/1943. 37"-57. Principal Investigator/Project: Burton J. Moyer

XBD201108-01006.TIF -- 37-inch cyclotron, double transverse J transmitter (H and J units). Photo taken 7/29/1943. 37"-58. Principal Investigator/Project: Burton J. Moyer

XBD201108-01007.TIF -- 37-inch cyclotron, double transverse J transmitter (H and J units). Photo taken 7/29/1943. 37"-59. Principal Investigator/Project: Burton J. Moyer

XBD201108-01008.TIF -- 37-inch cyclotron M2, muffin pan shield, brushing sleeve, and C-support frame. Photo taken 8/9/1943. 37"-60. Principal Investigator/Project: Burton J. Moyer

XBD201108-01009.TIF -- 37-inch cyclotron M2. Rebuilt for transverse J showing spring cartridges for providing filament tension. Photo taken 8/10/1943. 37"-59. Principal Investigator/Project: Burton J. Moyer

XBD201108-01010.TIF -- 37-inch cyclotron, sock sump. Photo taken 8/11/1943. 37"-63. Principal Investigator/Project: Analog Conversion Project

XBD201108-01011.TIF -- 37-inch cyclotron, rebuilt M2, Frankelstein. Photo taken 8/12/1943. 37"-67. Principal Investigator/Project: Burton J. Moyer

XBD201108-01012.TIF -- 37-inch cyclotron, positive shields mounted on rebuilt M2. Photo taken 8/13/1943. 37"-69. Principal Investigator/Project: Burton J. Moyer

XBD201108-01013.TIF -- 37-inch cyclotron, J face rebuilt M2. Photo taken 8/13/1943. 37"-70. Principal Investigator/Project: Burton J. Moyer

XBD201108-01014.TIF -- 37-inch cyclotron, rebuilt M2, showing grounded shields. Photo taken 8/16/1943. 37"-73. Principal Investigator/Project: Burton J. Moyer

XBD201108-01015.TIF -- 37-inch cyclotron, rebuilt M2, completely assembled (except for G-slit). Photo taken 8/23/1943. 37"-76. Principal Investigator/Project: B. Moyer

XBD201108-01016.TIF -- 37-inch cyclotron, beam splitter. Photo taken 10/26/1943. 37"-79. Principal Investigator/Project: Analog Conversion Project

XBD201108-01017.TIF -- 37-inch cyclotron, barbershop grounded foot scraper. Photo taken 11/1/1943. 37"-80. Principal Investigator/Project: Analog Conversion Project

XBD201108-01018.TIF -- 37-inch cyclotron. M stem assembly showing near end of stem, clamped leads and Kovar seal. 37-inch M5 (rebuilt M2). Photo taken 11/4/1943. 37"-82. Principal Investigator/Project: Burton J. Moyer

XBD201108-01019.TIF -- 37-inch cyclotron, M2 with tungsten plate replacing K2 underneath. Photo taken 11/23/1943. 37"-85. Principal Investigator/Project: Analog Conversion Project

XBD201108-01020.TIF -- 37-inch cyclotron, minus tank. Photo taken 11/30/1943. 37"-87. Principal Investigator/Project: Analog Conversion Project

XBD201108-01021.TIF -- New 37-inch cyclotron tank plate on. Note on original: Taken just as the ghost of Edison flew over. Photo taken 11/30/1943. 37"-88. Principal Investigator/Project: Analog Conversion Project

XBD201108-01022.TIF -- New 37-inch cyclotron tank manifold. Photo taken 12/3/1943. 37"-92. Principal Investigator/Project: Analog Conversion Project

XBD201108-01023.TIF -- 37-inch cyclotron manifold pump and pipe line. Photo taken 12/9/1943. 37"-93. Principal Investigator/Project: Analog Conversion Project

XBD201108-01024.TIF -- New 37-inch cyclotron additions. Photo taken 12/9/1943. 37"-95. Principal Investigator/Project: Analog Conversion Project

XBD201108-01025.TIF -- 37-inch cyclotron, double-jointed energy spectrometer. Photo taken 12/21/1943. 37"-96. Principal Investigator/Project: Analog Conversion Project

XBD201108-01026.TIF -- 37-inch cyclotron, insulated J slit. Photo taken 3/17/1944. 37"-99. Principal Investigator/Project: Analog Conversion Project

# Ernest Orlando Lawrence Berkeley National Laboratory

## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

XBD201108-01027.TIF -- 37-inch cyclotron, control panel. Photo taken 4/12/1944. 37"-102. Principal Investigator/Project: Analog Conversion Project

XBD201108-01028.TIF -- 37-inch cyclotron. Cold K with J, G, and C carbon attached. Photo taken 4/12/1944. 37"-102. Principal Investigator/Project: Analog Conversion Project

XBD201108-01029.TIF -- 37-inch cyclotron. Barbershop assembly, set up with cold K M (full angle view). Photo taken 4/12/1944. 37"-106. Principal Investigator/Project: Analog Conversion Project

XBD201108-01030.TIF -- 37-inch cyclotron, ion source tank. Barnaby, drawing 2H9483. Photo taken 6/4/1945. 37"-220. Principal Investigator/Project: Analog Conversion Project

XBD201108-01031.TIF -- 37-inch cyclotron, Butch (?) revision. Photo taken 6/19/1945. 37"-223. Principal Investigator/Project: Analog Conversion Project

XBD201108-01032.TIF -- 37-inch cyclotron, Butch (?) revision. Photo taken 6/19/1945. 37"-224. Principal Investigator/Project: Analog Conversion Project

XBD201108-01033.TIF -- 37-inch cyclotron, 2nd Butch (?). Photo taken 7/24/1945. 37"-227. Principal Investigator/Project: Analog Conversion Project

XBD201108-01034.TIF -- Old 37-inch cyclotron can, uncrated at Building 10. Photo taken 11/2/1945. 37"-232. Principal Investigator/Project: Analog Conversion Project

XBD201108-01035.TIF -- 37-inch cyclotron, rotary condenser. Photo taken 12/12/1945. 37"-234. Principal Investigator/Project: Analog Conversion Project

XBD201108-01039.TIF -- 37-inch cyclotron, rotary condenser and mechanical frequency modulation model. Photo taken 12/12/1945. 37"-235. Principal Investigator/Project: Analog Conversion Project

XBD201108-01040.TIF -- 37-inch cyclotron, rotary condenser. Photo taken 12/11/1945. 37"-238. Principal Investigator/Project: Analog Conversion Project

XBD201108-01041.TIF -- 37-inch cyclotron, experimental frequency modulation apparatus. Photo taken 12/9/1945. 37"-240. Principal Investigator/Project: Analog Conversion Project

XBD201108-01042.TIF -- 37-inch cyclotron. Lofgren's Dee. Photo taken 12/21/1945. 37"-257. Principal Investigator/Project: Ed Lofgren

XBD201108-01043.TIF -- 37-inch cyclotron tank. Photo taken 12/26/1945. 37"-258. Principal Investigator/Project: Analog Conversion Project

XBD201108-01044.TIF -- 37-inch cyclotron tank. Photo taken 12/26/1945. 37"-259. Principal Investigator/Project: Analog Conversion Project

XBD201108-01045.TIF -- 37-inch cyclotron with new set of teeth on wheel. Photo taken 12/20/1945. 37"-263. Principal Investigator/Project: Analog Conversion Project

XBD201108-01046.TIF -- 37-inch cyclotron Dee assembly. Photo taken 12/20/1945. 37"-264. Principal Investigator/Project: Analog Conversion Project

XBD201108-01047.TIF -- 37-inch cyclotron Dee. Photo taken 12/20/1945. 37"-266. Principal Investigator/Project: Analog Conversion Project

XBD201108-01048.TIF -- 37-inch cyclotron filament. Photo taken 12/20/1945. 37"-271. Principal Investigator/Project: Analog Conversion Project

XBD201108-01049.TIF -- 37-inch cyclotron. Cyclone sump honeycomb, left, and lead comb collector RL 161 sock sump, right. Photo taken 12/17/1945. 37"-272. Principal Investigator/Project: Analog Conversion Project

XBD201108-01050.TIF -- 37-inch cyclotron. Gear train for energy spectrometer (59-19), front center. Small carbon piece with tag: M1-J-Chamber assembly with Mae West baffle (59). Photo taken 12/17/1945. 37"-274. Principal Investigator/Project: Analog Conversion Project

XBD201108-01051.TIF -- 37-inch cyclotron. Wavy collector R1 160, front center. Sock sump, right rear. Photo taken 12/17/1945. 37"-275. Principal Investigator/Project: Analog Conversion Project

# Ernest Orlando Lawrence Berkeley National Laboratory

## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

XBD201108-01052.TIF -- 37-inch cyclotron. M3 slit holder and heater block, left; coffin, right; R can of a sump, rear center; and current collector, front center. Photo taken 12/17/1945. 37"-276. Principal Investigator/Project: Analog Conversion Project

XBD201108-01053.TIF -- 37-inch cyclotron. Serrated face collector, sock or sodium sump, right front; honeycomb used in single Decel experiment in sock sump- "flat plate," left and rear center; unidentified parts, front left and right rear. Photo taken 12/17/1945. 37"-279. Principal Investigator/Project: Analog Conversion Project

XBD201108-01054.TIF -- 37-inch cyclotron, #1 sump. Original pig pen assembly for cyclone sump. Photo taken 12/18/1945. 37"-281. Principal Investigator/Project: Analog Conversion Project

XBD201108-01055.TIF -- 37-inch cyclotron, RS 119 (docket #). Barbershop for sodium sump. Photo taken 12/19/1945. 37"-283. Principal Investigator/Project: Analog Conversion Project

XBD201108-01056.TIF -- 37-inch cyclotron, grinding tank. Photo taken 12/7/1945. 37"-291A. Principal Investigator/Project: Analog Conversion Project

XBD201108-01057.TIF -- 37-inch cyclotron, curly (?) apparatus. Photo taken 12/17/1945. 37"-295. Principal Investigator/Project: Analog Conversion Project

XBD201108-01058.TIF -- 37-inch cyclotron tank. Photo taken 12/17/1945. 37"-301. Principal Investigator/Project: Analog Conversion Project

XBD201108-01059.TIF -- 37-inch cyclotron, early filament tube. Photo taken 12/17/1945. 37"-305. Principal Investigator/Project: Analog Conversion Project

XBD201108-01060.TIF -- 37-inch cyclotron. Radio autographs of u-shaped opening probes: 3/4" x 3/4", radius indicated to bottom of U. Photo taken 3/19/1947. 37"-321. Principal Investigator/Project: Analog Conversion Project

XBD201108-01061.TIF -- 37-inch cyclotron power rack. Photo taken 4/29/1947. 37"-324. Principal Investigator/Project: S. Harris

XBD201108-01062.TIF -- 37-inch cyclotron, general view. Photo taken 4/29/1947. 37"-329. Principal Investigator/Project: S. Harris

XBD201108-01063.TIF -- 37-inch cyclotron, general view. Photo taken 4/29/1947. 37"-333. Principal Investigator/Project: S. Harris

XBD201108-01064.TIF -- 37-inch cyclotron dismantle. Photo taken 5/8/1947. 37"-334. Principal Investigator/Project: S. Harris

XBD201108-01065.TIF -- 37-inch cyclotron dismantle. Photo taken 5/8/1947. 37"-335. Principal Investigator/Project: S. Harris

XBD201108-01066.TIF -- 37-inch cyclotron dismantle. Photo taken 5/8/1947. 37"-336. Principal Investigator/Project: S. Harris

XBD201108-01067.TIF -- 37-inch cyclotron dismantle. Photo taken 5/8/1947. 37"-337. Principal Investigator/Project: S. Harris

XBD201108-01068.TIF -- 37-inch cyclotron dismantle. Photo taken 5/8/1947. 37"-339. Principal Investigator/Project: S. Harris

XBD201108-01069.TIF -- 37-inch cyclotron dismantle. Photo taken 5/15/1947. 37"-344. Principal Investigator/Project: S. Harris

XBD201108-01070.TIF -- 37-inch cyclotron dismantle. Photo taken 6/16/1947. 37"-348. Principal Investigator/Project: S. Harris

XBD201108-01071.TIF -- 37-inch cyclotron magnet and tank. Photo taken 4/18/1944. 37"-108. Principal Investigator/Project: Analog Conversion Project

XBD201108-01072.TIF -- 37-inch cyclotron. Electron bombarded heated K for R and J. Photo taken 4/18/1944. 37"-109. Principal Investigator/Project: Analog Conversion Project

XBD201108-01073.TIF -- 37-inch cyclotron, portable transformer. Photo taken 4/18/1944. 37"-111.

# Ernest Orlando Lawrence Berkeley National Laboratory

## Records Transmittal

<b>Division</b>	<b>Department</b>	<b>Filing Code</b>
Directorate	Public Affairs	ARO-6490
<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01074.TIF -- 37-inch cyclotron, radio frequency transmission line. Photo taken 4/18/1944. 37"-112. Principal Investigator/Project: Wouters  
 XBD201108-01075.TIF -- 37-inch cyclotron, oscillator. Photo taken 4/18/1944. 37"-113. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01076.TIF -- 37-inch cyclotron, M unit. Photo taken 5/1/1944. 37"-121. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01185.TIF -- 37-inch cyclotron, source RF transmitter. Photo taken 5/2/1944. 37"-126. Principal Investigator/Project: Wouters  
 XBD201108-01186.TIF -- 37-inch cyclotron. Tom thumb "M". Photo taken 5/16/1944. 37"-131. Principal Investigator/Project: Burton J. Moyer/Sayers  
 XBD201108-01187.TIF -- 37-inch cyclotron, model "J" with hot probe. Photo taken 7/3/1944. 37"-136. Principal Investigator/Project: Massey/J Research  
 XBD201108-01188.TIF -- 37-inch cyclotron, model "J" with hot probe. Photo taken 7/3/1944. 37"-138. Principal Investigator/Project: Massey/J Research  
 XBD201108-01189.TIF -- 37-inch cyclotron, source. Photo taken 7/5/1944. 37"-139. Principal Investigator/Project: Massey/J Research  
 XBD201108-01190.TIF -- 37-inch cyclotron, experimental arc chamber. Photo taken 8/16/1944. 37"-140. Principal Investigator/Project: Massey/J Research  
 XBD201108-01191.TIF -- 37-inch cyclotron, oberon new geometry. Photo taken 9/11/1944. 37"-143. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01192.TIF -- 37-inch cyclotron. C and E adjustment mechanism, top; G bushing assembly for vulcan (metal M), bottom. Photo taken 10/26/1944. 37"-150. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01193.TIF -- 37-inch cyclotron, vulcan. Photo taken 10/27/1944. 37"-152. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01194.TIF -- 37-inch cyclotron, electrical equipment for spectrometer-shielded lead. Photo taken 10/31/1944. 37"-157. Principal Investigator/Project: Massey  
 XBD201108-01195.TIF -- 37-inch cyclotron, vulcan. Photo taken 11/2/1944. 37"-159. Principal Investigator/Project: Duke  
 XBD201108-01196.TIF -- 37-inch cyclotron. Vulcan filament block, water lines. Photo taken 11/6/1944. 37"-163. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01197.TIF -- 37-inch cyclotron. Tom thumb. Photo taken 11/4/1944. 37"-165. Principal Investigator/Project: Massey/J Research  
 XBD201108-01198.TIF -- 37-inch cyclotron, Tom thumb. Photo taken 11/4/1944. 37"-167. Principal Investigator/Project: Massey/J Research  
 XBD201108-01199.TIF -- 37-inch cyclotron, Tom thumb. Construction with movable "J" box and collimating slot. Photo taken 11/4/1944. 37"-168. Principal Investigator/Project: Massey/J Research  
 XBD201108-01200.TIF -- 37-inch cyclotron., vulcan. Photo taken 11/15/1944. 37"-173. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01201.TIF -- 37-inch cyclotron, Tom thumb with #T4 geometry and F and J exploring equipment. Photo taken 12/18/1944. 37"-180. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01202.TIF -- 37-inch cyclotron. Honeycombs , 4 1/4"right and 4 3/8", left. Photo taken 1/5/1945. 37"-185. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01203.TIF -- 37-inch cyclotron. Sodium sump #3, pigpen with inner sanctum and grid #2. Photo taken 1/5/1945. 37"-190. L7104 figure 8 in S.P. 8-43 report. Principal Investigator/Project:

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<b>Group</b>	Creative Services Offices (CSO)/PhotoLab	
<b>Records Title</b>		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

Analog Conversion Project  
 XBD201108-01204.TIF -- 37-inch cyclotron. Sodium sump #3, barbershop, with six shavers and two feelers, R-119. Photo taken 1/5/1945. 37"-192. Figure 8 in S.P. 8-43 report. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01205.TIF -- 37-inch cyclotron. Tom thumb and the "E" for Tom Thumb. Photo taken 1/4/1945. 37"-195. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01206.TIF -- 37-inch cyclotron. Pig pen for pee wee sump (sump #1 used with pee wee M). Photo taken 1/11/1945. 37"-198. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01207.TIF -- 37-inch cyclotron. Current reading E used in old cyclotron tank. Photo taken 1/11/1945. 37"-206. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01208.TIF -- 37-inch cyclotron. Converted cyclone sump (sea sump). Final conversion to 0-degree collection, pre-Helen experiment (Q-trap, with top removed). Photo taken 1/11/1945. 37"-207. Principal Investigator/Project: York  
 XBD201108-01209.TIF -- 37-inch cyclotron arc. Photo taken 2/7/1945. 37"-213. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01210.TIF -- 37-inch cyclotron arc. Photo taken 2/7/1945. 37"-214. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01211.TIF -- 37-inch cyclotron, Phoenix. Photo taken 4/20/1945. 37"-215. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01212.TIF -- 37-inch cyclotron, Phoenix. Heated mercury reservoir with heater manifolds to sputtered block. Photo taken 4/20/1945. 37"-217. Principal Investigator/Project: Analog Conversion Project  
 XBD201108-01213.TIF -- 37-inch cyclotron, Butch. Two collecting cans for J pressure measurement. Photo taken 5/15/1945. Principal Investigator/Project: Massey. Analog Conversion Project.  
 XBD201206-00307.TIF -- 184-inch cyclotron, DEE pole with Mattie Enos. Photo taken 11/20/1956. Principal Investigator/Project: Analog Conversion Project  
 XBD201206-00308.TIF -- 184-inch cyclotron, Capacitor tank going into position. Photo taken 5/28/1956. Principal Investigator/Project: Analog Conversion Project