

Ernest Orlando Lawrence Berkeley National Laboratory

Records Transmittal

Division	Department	Archives and Records Office Use Only
Directorate	Public Affairs	
Group		Filing Code
Creative Services Offices (CSO)/PhotoLab		ARO-6341
Location	46R0125	LBLN Accession Date
Transferee	Bailey, Marilee B	3/8/2012
Head of Department		FRC Accession No.
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

1944 1966

No of Containers

2 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). The Morgue Collection is comprised of 4 X 5 Kodak film negatives. This is a discrete collection of images dated from 1944 through 1966 and attributed to Donald Cooksey unless otherwise noted.

Donald Cooksey (May 15, 1892 – August 19, 1977) received his PhD from Yale in 1932, becoming a physicist specializing in designing and building scientific instruments, especially detectors for measuring sub-atomic particles such as neutrons. When Ernest O. Lawrence was at Yale during the 1920s, Cooksey and Lawrence became friends. In 1932, after Lawrence had moved to Berkeley, California to set up the Radiation Laboratory, Lawrence asked Cooksey to come to Berkeley to make detectors for use with Lawrence's cyclotrons. Cooksey participated in the first observations of nuclear disintegration by cyclotron-accelerated protons and in 1935 designed a new and more reliable cyclotron chamber. Two years later became the chief designer for the 37-inch cyclotron. Cooksey continued to be a close associate of Lawrence and became Associate Director of the Lawrence Radiation Laboratory of the University of California at Berkeley on July 1, 1936. Although he was particularly interested in the mechanical shops and the improvement of design and engineering standards, he became E.O. Lawrence's "right hand- man" and eventually moved into the role of an administrator. Donald Cooksey took it upon himself to document the early Radiation Laboratory events, building construction, equipment, and individuals through photography. His early work was captured on 35 mm nitrate film and later on 2 1/4 X 3 1/4 film.

Key subject matter includes:

- Early images of Ernest Orlando Lawrence
- The first cyclotrons including the 27- and 60-inch
- Scientists awarded the Nobel Prize
- Key personnel in early development of cyclotrons, bubble chamber
- Early work on 184-inch cyclotron
- Ernest Lawrence notes on cyclotron theory

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

The Morgue Collection was comprised of approximately 3500 assets, all of which were reviewed for permanent retention and transfer to the National Archives. Of that total, 63 had been previously scanned and an additional 638 were scanned as part of the photographic review, digitization and transfer project from 2009 to 2010. The identification and transfer of the 511 photographic assets in this accession, along with the 701 Morgue Collection assets previously transferred to NARA in is approximately 35% of the total Morgue Collection. The remaining negatives will be disposed of as hazardous waste.

For the previously accessioned Morgue Collection photographs, see ARO-6008.

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Box

- 2 XBD9606-02772.TIF -- XBD201006-00788.TIF:
 XBD9606-02772.TIF --184-inch cyclotron converted from a calutron to a synchrocyclotron in 1945-46. Ernest O. Lawrence and staff posed with the magnet. Photo taken 4/28/1946. Restricted (declassified 4/30/1959). Principal Investigator/Project: Image Library Project
 XBD9606-02883.TIF --Vannevar Bush (left) and Arthur H. Compton at Del Monte Lodge, 1940. Principal Investigator/Project: Image Library Project
 XBD9703-01129.TIF --Ernest O. Lawrence Nobel Award announcement on blackboard, November 11, 1939. Principal Investigator/Project: Image Library Project
 XBD9703-01130.TIF --Framework of the 184-inch cyclotron facility taken October 23, 1941. Principal Investigator/Project: Image Library Project
 XBD9704-01669.TIF --LBL party at DiBiasi+s, 860 San Pablo Avenue, Albany, California. Clockwise around the table: Ernest O. Lawrence, Betty (Mrs. Charlton) Cooksey, Vannevar Bush, Molly (Mrs. Ernest) Lawrence, Alfred Loomis, Dorothy Axelrod, Helen Griggs (HLS), Charlton Cooksey, David Sloan, and S. Mrozowski. Image includes legend. Principal Investigator/Project: Image Library Project
 XBD9806-01441.TIF --J.R. Richardson, just above site for 184-inch cyclotron, taken August 30, 1940. Principal Investigator/Project: Analog Conversion Project
 XBD200106-00922.TIF --184-inch cyclotron construction site with Ernest Orlando Lawrence and others. Lawrence's Packard in foreground. Shot taken on September 25, 1940. Principal Investigator/Project: Analog Conversion Project
 XBD200106-00923.TIF --Construction site of 184-inch cyclotron showing test holes. Photo taken August 30, 1940. Principal Investigator/Project: Analog Conversion Project
 XBD200106-00928.TIF --Pastoral view, with cows, of the future construction site for the 184-inch cyclotron. Photo taken October 31, 1940. Principal Investigator/Project: Analog Conversion Project
 XBD200106-00929.TIF --Left side of panorama of the pastoral view of the future construction site for the 184-inch cyclotron. Photo taken September 10, 1940. Principal Investigator/Project: Analog Conversion Project
 XBD200106-00930.TIF --Right side of panorama of the pastoral view of the future construction site for the 184-inch cyclotron. Photo taken September 10, 1940. Principal Investigator/Project: Analog Conversion Project
 XBD200106-00941.TIF --1933 - Standing before 74 tons of iron and copper are Professor M. Stanley Livingston (left) now of the Massachusetts Institute of Technology and Professor Ernest Orlando Lawrence. Magnet development has continued to expanded more nearly to its capacity, producing the new nuclear particles known as neutrons in quantities sufficient for actual human therapy. Negative envelope dated February 1, 1940. Principal Investigator/Project: Analog Conversion Project
 XBD200106-00942.TIF --Ernest Orlando Lawrence standing next to cyclotron at Purdue. Negative envelope dated April 20, 1940. Principal Investigator/Project: Analog Conversion Project
 XBD200106-00943.TIF --Ernest Orlando Lawrence reading in Pullman train compartment while crossing Nevada. Negative envelope dated May 8, 1940. Principal Investigator/Project: Analog Conversion Project
 XBD200106-00946.TIF --Ernest Orlando Lawrence sitting at equipment of 37-inch cyclotron. Photograph taken December 11, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD200106-00947.TIF --Ernest Orlando Lawrence and Edwin McMillan at the 184-inch cyclotron coil winding. Negative envelope dated March 8, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD200106-00948.TIF --Ernest Orlando Lawrence and Donald Cooksey (right) at the 184-inch

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cyclotron coil machine. Photo taken March 8, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD200106-00960.TIF --Prepared construction site for 184-inch cyclotron before construction begins. See also Cooksey 248 and Cooksey 249 for two images used to create this composite. Principal Investigator/Project: Analog Conversion Project
 XBD200505-00184.TIF --Diego Rivera and Ernest Orlando Lawrence, with John Lawrence in the background. Photo taken August 28, 1940. Principal Investigator/Project: Analog Conversion Project
 XBD200805-00173.TIF --Partly assembled pole piece. The magnet poles of the very first sector-focused cyclotron, of which the 88" is a later and grander example. Original photo taken 5/19/52. Principal Investigator/Project: Analog Conversion Project
 XBD200805-00174.TIF --First patient 60-inch cyclotron. Robert Stone and John Lawrence treating Robert Penny at the 60-inch neutron port. Principal Investigator/Project: Analog Conversion Project
 XBD201002-00566.TIF --Paul Aebersold at treatment port, taken November 20, 1939. Principal Investigator/Project: Analog Conversion Project
 XBD201005-00548.TIF --60-inch cyclotron cover. Coil bank coming out for repairs, taken February 8, 1940. Principal Investigator/Project: Analog Conversion Project
 XBD201005-00549.TIF --Dr. Edwin McMillan with Edwin W. Condon (right) , co-director of Westinghouse Labs, taken February 8, 1940. Principal Investigator/Project: Analog Conversion Project
 XBD201005-00550.TIF --Ernest Orlando Lawrence writing talk for Nobel Prize movie, taken November 10, 1939. See also: XBD200106-00998.PSD Principal Investigator/Project: Analog Conversion Project
 XBD201005-00551.TIF --Ernest Orlando Lawrence with movie men preparing for Nobel Prize talk. Photo taken November 10, 1939. Principal Investigator/Project: Analog Conversion Project
 XBD201005-00552.TIF --Ernest Orlando Lawrence (left) and John H. Lawrence. Photo taken November 10, 1939. Principal Investigator/Project: Analog Conversion Project
 XBD201005-00553.TIF --Filming of Ernest Orlando Lawrence giving Nobel Prize talk. Photo taken November 10, 1939. Principal Investigator/Project: Analog Conversion Project
 XBD201005-00554.TIF --Lab personnel at Crocker Lab for Nobel Prize occasion. Salisbury (second from left), Brobeck, Kruger, Backus, Aebersold, Luis Alvarez (rear), Corson, Kamen, Wilson, Edwin McMillan, and two unknown individuals. Photo taken November 10, 1939. Principal Investigator/Project: Analog Conversion Project
 XBD201005-00555.TIF --Dr. Warren H. Lewis, taken November 11, 1939. Damaged negative Principal Investigator/Project: Analog Conversion Project
 XBD201005-00556.TIF --Neutron callibrator with Winfield Salisbury, taken November 11, 1939 Principal Investigator/Project: Analog Conversion Project
 XBD201005-00557.TIF --Mr. Shuler, taken for Saturday Evening Post article, November 14, 1939 Principal Investigator/Project: Analog Conversion Project
 XBD201005-00558.TIF --Ernest Orlando Lawrence writing at desk, taken November 15, 1939. Damaged negative. Principal Investigator/Project: Analog Conversion Project
 XBD201005-00559.TIF --Ernest Orlando Lawrence sitting at his desk with pencil in hand, referenced as "best picture given to Walke," taken November 15, 1939. See also: XBD200106-00940.tif Principal Investigator/Project: Analog Conversion Project
 XBD201005-00560.TIF --DiBiasi Restaurant dinner. Ernest Orlando Lawrence (left) and Harold Walke, taken November 17, 1939. Radiation Lab dinner in honor of Ernest Orlando Lawrence for winning the Nobel Prize. Principal Investigator/Project: Analog Conversion Project
 XBD201005-00561.TIF --DiBiasi Restaurant dinner. Ernest Orlando Lawrence (left), Harold Walke,

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and Paul Aebersold (with cake), taken November 17, 1939. Radiation Lab dinner in honor of Ernest Orlando Lawrence for winning the Nobel Prize. Principal Investigator/Project: Analog Conversion Project

XBD201005-00562.TIF --DiBiasi Restaurant dinner. Ernest Orlando Lawrence (left), Harold Walke, and Paul Aebersold (standing), taken November 17, 1939. Radiation Lab dinner in honor of Ernest Orlando Lawrence for winning the Nobel Prize. Principal Investigator/Project: Analog Conversion Project

XBD201005-00563.TIF --DiBiasi Restaurant dinner cake. "8 Billion Volt (cyclotron) or Bust," taken November 18, 1939. Radiation Lab dinner in honor of Ernest Orlando Lawrence for winning the Nobel Prize. Principal Investigator/Project: Analog Conversion Project

XBD201005-00564.TIF --DiBiasi Restaurant dinner cake. "8 Billion Volt (cyclotron) or Bust. Congratulations, Your Career is Showing Promise," taken November 17, 1939. Radiation Lab dinner in honor of Ernest Orlando Lawrence for winning the Nobel Prize. Principal Investigator/Project: Analog Conversion Project

XBD201005-00567.TIF --Ernest Orlando Lawrence at desk, taken November 22, 1939. Principal Investigator/Project: Analog Conversion Project

XBD201005-00568.TIF --Ernest Orlando Lawrence, taken November 22, 1939. Principal Investigator/Project: Analog Conversion Project

XBD201005-00569.TIF --Ernest Orlando Lawrence, taken November 22, 1939. Principal Investigator/Project: Analog Conversion Project

XBD201005-00570.TIF --Ernest Orlando Lawrence, taken November 22, 1939. Principal Investigator/Project: Analog Conversion Project

XBD201005-00571.TIF --Ernest Orlando Lawrence (right) and Alfred Loomis, taken November 22, 1939. Principal Investigator/Project: Analog Conversion Project

XBD201005-00572.TIF --Ernest Orlando Lawrence's boat, the Delta Ray, on railroad car. Photo taken November 24, 1939. Principal Investigator/Project: Analog Conversion Project

XBD201005-00573.TIF --Ernest Orlando Lawrence's boat, the Delta Ray, on railroad car. Photo taken November 27, 1939. Principal Investigator/Project: Analog Conversion Project

XBD201005-00574.TIF --Back of Ernest Orlando Lawrence's Nobel Prize notification envelope, taken December 7, 1939. See also XBD201006-00924.tif for envelope front. Principal Investigator/Project: Analog Conversion Project

XBD201005-00575.TIF --A group walking down path overlooking Strawberry Canyon, taken December 13, 1939. Ernest Orlando Lawrence far right. Principal Investigator/Project: Analog Conversion Project

XBD201005-00576.TIF --Wilson ion source to be installed between Dees, associated with 60-inch cyclotron, taken December 16, 1939. Principal Investigator/Project: Analog Conversion Project

XBD201005-00577.TIF --Uncropped version of 184-inch cyclotron charcoal drawing by S.L. Berger. Includes original notations and figures to show scale. See also XBD200903-00084 sent to NARA 4/1/2010. Photo taken December 29, 1939. Principal Investigator/Project: Analog Conversion Project

XBD201005-00578.TIF --Uncropped version of 184-inch cyclotron charcoal drawing by S.L. Berger. Includes original notations. See also XBD200911-00969.tif sent to NARA 4/1/ 2010. Photo taken January 3, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201005-00579.TIF --Dr. Warren Weaver, taken January 9, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201005-00580.TIF --Dr. Warren Weaver, taken January 9, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201005-00581.TIF --P. Gerald Kruger, taken January 12, 1940. Principal Investigator/Project:

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Analog Conversion Project

XBD201005-00582.TIF --West Dee support. Note that copper is split nearly half way around due to R.F. heating. Cause: Tabs were hard soldered in place thereby melting away soft solder on cooling pipes underneath, taken January 20, 1940. Partial view of Edwin McMillan, right. Principal Investigator/Project: Analog Conversion Project

XBD201005-00583.TIF --75-ton 37-inch deuteron beam out. The Federal Telegraph magnet shown with new 37-inch pole tips. A beam of deuterons of about 6.3 meV. is seen coming from the target chamber, taken February 1, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201005-00584.TIF --60-inch Dees "ready to go in," March 1939. Photo taken February 1, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201005-00585.TIF --Riggers removing wooden spacers between lower core and oil tank from 60-inch cyclotron, taken February 8, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201005-00586.TIF --Lower pole tip removed. Worker jacking-up the lower coil bank from the 60-inch cyclotron, taken February 8, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00591.TIF --New Dee support. Copper cover ends for attaching to Dee housing. Noted as "great improvement," taken January 24, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00592.TIF --Fourth cyclotron. 1 1/4 MEV Protons. View of the 11-inch cyclotron with something added, taken February 1, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00593.TIF --Fourth cyclotron. 1 1/4 MEV Protons. View of the 11-inch cyclotron with something added, taken February 1, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00594.TIF --37-inch cyclotron, tank number one with single Dee. Photo taken February 1, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00595.TIF --37-inch cyclotron, tank number two. Photo taken February 1, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00596.TIF --37-inch cyclotron, tank number four. Put into use August 1937. Photo taken February 1, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00597.TIF --60-inch cyclotron. Last coil about to be replaced. Note that half the brass clamps are removed prior to being replaced with maple, taken February 10, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00598.TIF --60-inch cyclotron. Replacing last coil in lower bank, with maple clamps in place, taken February 10, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00600.TIF --From lower left, clockwise: William Brobeck, John Backus, Paul Aebersold, and S.N. Van Voorhis working on last coil of upper bank on the 60-inch cyclotron. Photo taken February 13, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00601.TIF --Dr. Pecher with rabbits in treatment room of 60-inch cyclotron, taken March 20, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00602.TIF --Margaret Lewis (left), and Margaret Reed Lewis (right) with microscopes, taken March 25, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00603.TIF --Sinclair Lewis (Noble prize for literature 1930, left), Herbert Evans (Berkeley medical researcher, center), and Ernest Orlando Lawrence (right), taken April 8, 1940. 184-inch cyclotron charcoal drawings by S.L. Berger in background. Principal Investigator/Project: Analog Conversion Project

XBD201006-00604.TIF --60-inch cyclotron with water cans used for shielding. Photo taken April 10, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00605.TIF --60-inch cyclotron with water cans used for shielding. Photo taken April 10, 1940. Principal Investigator/Project: Analog Conversion Project

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XBD201006-00606.TIF --184-inch cyclotron model with toy cars used for scale. Photo taken April 13, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00607.TIF --Indiana cyclotron with Larry Langer and Franz N.D. Kurie. Indiana University, involved in the construction of their first cyclotron, joined the Manhattan Project. Photo taken April 20, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00608.TIF --Indiana cyclotron controls. M. Stanley Livingston (standing, left), and Franz N.D. Kurie (right) at controls, taken April 20, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00609.TIF --Ernest Orlando Lawrence standing beside the cyclotron at Purdue University. Photo taken April 20, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00610.TIF --Ernest Orlando Lawrence (right); Alfred Lee Loomis, philanthropist, attorney, banker, physicist (center); and Warren Weaver, mathematician (left) participating in preliminary meetings of the Manhattan Project in a room at the Wardman Park, Washington, D.C. Photo taken April 22, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00611.TIF --Left to right: Bert, Ernest Orlando Lawrence, Mable, and Elsie Blumer, taken May 5, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00612.TIF --Left to right: Mable, Bert, Donald Cooksey, and Elsie Blumer, taken May 5, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00613.TIF --Yale professor Charlton Dows Cooksey (brother of Donald Cooksey) with model 184-inch magnet test setup. Note the common shaft driving coils in both models, taken May 22, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00614.TIF --Robert Rathbun Wilson with wife, Jane Inez Scheyer, taken August 21, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00615.TIF --Lee De Forest, inventor (left) with Ernest Orlando Lawrence, taken September 8, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00616.TIF --Lee De Forest, inventor (left) with Ernest Orlando Lawrence, taken September 8, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00617.TIF --184-inch cyclotron site, taken September 16, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00618.TIF --Ernest Orlando Lawrence, Edwin McMillan, and Van Voorhis at a celebration with Japanese visitors including Yasaki (right), taken September 19, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00619.TIF --184-inch cyclotron site, taken September 24, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00620.TIF --184-inch cyclotron site, taken September 24, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00621.TIF --Dr. S.N. Van Voorhis, taken September 25, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00622.TIF --184-inch cyclotron site. Wallace B. Reynolds, Fred Hall, George Lauderbeck, Mike Pregnoff, and Ernest Orlando Lawrence, taken September 25, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00623.TIF --184-inch cyclotron site, taken September 26, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00634.TIF --First Place. Cyclotron shelter building contest drawing, taken September 27, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00635.TIF --Cyclotron shelter building contest drawing, taken September 27, 1940. Principal Investigator/Project: Analog Conversion Project

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XBD201006-00636.TIF --Cyclotron shelter building contest drawing, taken September 27, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00637.TIF --Cyclotron shelter building contest drawing, taken September 27, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00638.TIF --Cyclotron shelter building contest drawing, taken September 27, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00639.TIF --Cyclotron shelter building contest drawing, taken September 27, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00640.TIF --Cyclotron shelter building contest drawing, taken September 27, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00641.TIF --Cyclotron shelter building contest drawing, taken September 27, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00642.TIF --Cyclotron shelter building contest drawing, taken September 27, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00643.TIF --Cyclotron shelter building contest drawing, taken September 27, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00644.TIF --Cyclotron shelter building contest drawing, taken September 27, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00645.TIF --184-inch magnet site. First copper delivery, taken October 2, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00646.TIF --184-inch magnet site copper delivery, taken October 2, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00647.TIF --184-inch magnet site excavation with Robert Cornog, taken October 2, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00648.TIF --184-inch magnet site excavation, taken October 5, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00649.TIF --184-inch magnet site excavation, taken October 5, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00650.TIF --184-inch magnet 5 ft. thick subfoundation being poured (east end of excavation pit), taken October 8, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00651.TIF --184-inch magnet foundation forms, taken October 10, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00652.TIF --184-inch magnet foundation reinforcing steel bed, taken October 10, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00653.TIF --184-inch magnet site. Naomi Weiss with 100,000 pounds of copper, taken October 10, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00654.TIF --184-inch magnet foundation forms, taken October 10, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00655.TIF --184-inch magnet foundation with half of the concrete poured, taken October 11, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00656.TIF --Old Bill, Bill Brobeck, at 60-inch cyclotron with cans used for shielding, off north end. Photo taken October 12, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00657.TIF --60-inch cyclotron. Condit (with back to camera) and Nailen hoisting tank at 60-inch cyclotron, taken October 12, 1940. Principal Investigator/Project: Analog Conversion Project

XBD201006-00658.TIF --Group at the beach, including Paul Aebersold, Edwin McMillan, and John

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Lawrence. Taken October 13, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00659.TIF --Edwin McMillan on 184-inch magnet foundation forms. Taken October 16, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00660.TIF --Bill Brobeck with 184-inch magnet copper sample from Phelps Dodge Copper Products Corporation, taken October 17, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00662.TIF --184-inch magnet foundation forms. Pouring concrete into the east wall, taken October 17, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00663.TIF --184-inch magnet foundation. Pouring concrete into the base, taken October 18, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00664.TIF --Brode's magnet, taken October 21, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00665.TIF --184-inch magnet rail, with Edwin McMillan, taken October 28, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00666.TIF --Edwin McMillan with 184-inch magnet "power line," taken October 28, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00667.TIF --Ernest Orlando Lawrence standing on 184-inch magnet foundation west rail, taken October 28, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00668.TIF --Workman in discussion with Bob Wicker and Wallace B. Reynolds at 184-inch magnet site, taken October 31, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00669.TIF --Brown at Van Norman 22L, taken November 11, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00670.TIF --184-inch magnet site. Left to right: Bill Farley, Paul Aebersold, Bill Brobeck, John Backus, Robert Cornog, taken November 12, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00671.TIF --184-inch magnet site. Wallace B. Reynolds, Henry Bigge (Bigge Drayage Co., Oakland), and Bill Brobeck, taken November 14, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00672.TIF --184-inch magnet foundation, Wilson bracing "H" beam support, taken November 19, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00673.TIF --Bill Farley and Donald Cooksey on Santa Fe railcar, taken November 19, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00674.TIF --Cutting machine at the 184-inch magnet site, taken November 25, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00675.TIF --184-inch magnet site. First plate being lowered into place, taken November 25, 1940. Photo includes onlookers. Principal Investigator/Project: Analog Conversion Project XBD201006-00676.TIF --184-inch magnet site. First plate being lowered into place, taken November 25, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00677.TIF --184-inch magnet site. First plate resting on the rails while the rear of the truck is being supported, taken November 25, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00678.TIF --184-inch magnet site. Moving first plate into position, taken November 25, 1940. Photo includes onlookers. Principal Investigator/Project: Analog Conversion Project XBD201006-00679.TIF --184-inch magnet site. Bill Brobeck on first installed plates, taken November 27, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00680.TIF --184-inch cyclotron magnet site. Paul Aebersold and Donald Cooksey

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standing on rail, taken November 28, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00681.TIF --184-inch cyclotron. Tightening plates with a compressed-air wrench, taken November 28, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00682.TIF --184-inch cyclotron. Bracing on first plate to bring it true, taken November 28, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00683.TIF --184-inch cyclotron. Jacking ends of the plate into the same plane, taken December 2, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00687.TIF --184-inch cyclotron. Lowering the 52-inch plate into foundation pit, taken November 28, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00688.TIF --184-inch cyclotron construction. Donald Cooksey (left) and Paul Aebersold, taken November 28, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00689.TIF --184-inch cyclotron construction site looking west, taken December 4, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00690.TIF --184-inch cyclotron construction showing beveled plate ends, taken December 4, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00691.TIF --184-inch cyclotron construction, 52-inch plate being unloaded from truck, taken December 4, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00692.TIF --184-inch cyclotron construction. First 15 of the 52-inch plates in place with John Backus inspecting, taken December 4, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00693.TIF --184-inch cyclotron construction. Dick Connell, Wallace B. Reynolds, and Bill Brobeck with 26 plates in place, taken December 7, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00694.TIF --184-inch cyclotron construction, with 74 plates in place, taken December 21, 1940. Principal Investigator/Project: Analog Conversion Project XBD201006-00695.TIF --Bill Brobeck at the Encinal docks with half disk, taken January 17, 1941. Principal Investigator/Project: Analog Conversion Project XBD201006-00698.TIF --Donald Cooksey at the Encinal docks with half disks, taken January 17, 1941. Principal Investigator/Project: Analog Conversion Project XBD201006-00699.TIF --184-inch cyclotron construction. The last plate being lowered by crane, taken January 21, 1941. Principal Investigator/Project: Analog Conversion Project XBD201006-00700.TIF --184-inch cyclotron construction with Paul Aebersold, taken January 28, 1941. Principal Investigator/Project: Analog Conversion Project XBD201006-00701.TIF --184-inch cyclotron construction with Donald Cooksey (left) and Bill Farley, taken January 28, 1941. Principal Investigator/Project: Analog Conversion Project XBD201006-00702.TIF --184-inch cyclotron construction looking west, taken January 28, 1941. Principal Investigator/Project: Analog Conversion Project XBD201006-00703.TIF --60-inch cyclotron construction. Paul Aebersold behind lead screen with demountable deflector, taken February 13, 1941. Principal Investigator/Project: Analog Conversion Project XBD201006-00704.TIF --Paul Aebersold and 60-inch cyclotron Dees with new deflector, taken February 13, 1941. Principal Investigator/Project: Analog Conversion Project XBD201006-00705.TIF --Hendly Pant with stack of half disks, taken February 18, 1941. Principal Investigator/Project: Analog Conversion Project XBD201006-00706.TIF --Ernest Orlando Lawrence (left) and C.E.K. (Charles Edward Kenneth) Mees, taken February 20, 1941. Principal Investigator/Project: Analog Conversion Project XBD201006-00707.TIF --William H. Donner, taken February 28, 1941. Principal

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Investigator/Project: Analog Conversion Project
 XBD201006-00708.TIF --184-inch cyclotron construction with Helen Griggs (future wife of Glenn T. Seaborg), taken March 12, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00709.TIF --Paul Aebersold at 184-inch cyclotron base, taken March 13, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00710.TIF --Donald Cooksey at 184-inch cyclotron base, taken March 13, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00711.TIF --Paul Aebersold standing on 184-inch cyclotron structure, taken March 13, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00712.TIF --184-inch cyclotron construction, taken March 13, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00713.TIF --Individuals, including Lawrence Kruse (left) and Arthur Brown, Jr. (second from left), at 184-inch cyclotron construction site, taken March 20, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00714.TIF --Millicent Sperry (future wife of Donald Cooksey) at 184-inch cyclotron construction site, taken March 20, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00715.TIF --184-inch cyclotron construction, taken March 24, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00716.TIF --184-inch cyclotron construction, with view of San Francisco Bay and the Oakland-Bay Bridge. Taken March 24, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00717.TIF --184-inch cyclotron construction, taken March 24, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00718.TIF --Wallace B. Reynolds at 184-inch cyclotron construction site, taken March 24, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00719.TIF --Paul Aebersold on top of first upper horizontal slab, 184-inch cyclotron construction, taken March 24, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00720.TIF --Isidor Isaac Rabi, physicist and Nobel Laureate, taken April 11, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00721.TIF --Wallace B. Reynolds, Henry Bigge (Bigge Drayage Co., Oakland), and Chester Morris (builder of the Campanile) standing by 184-inch cyclotron construction site, taken April 17, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00722.TIF --184-inch cyclotron construction, taken April 17, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00723.TIF --Crane operator at 184-inch cyclotron construction site, taken April 17, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00724.TIF --Carl G. Lawrence, Dr. and Mrs. George Blumer, Molly Lawrence, Gunda Lawrence, and Ernest Orlando Lawrence standing in front of the "Grizzly Giant" Mariposa big tree, taken April 18, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00725.TIF --Helen Griggs and the boat, Delta Ray, at Miller's Yacht Harbor, Antioch Bridge. Helen became the wife of Glenn Seaborg. Taken April 25, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00726.TIF --John Lawrence (facing camera) at the lower core. 184-inch cyclotron construction site, taken April 28, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00727.TIF --Robert Cornog's mew pump, taken May 2, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00728.TIF --Dick Connell (left, back to camera) watch as workmen tighten bolts on the

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lower core at the 184-inch cyclotron construction site, taken May 7, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00729.TIF --Dick Connell surveying the lower core at the 184-inch cyclotron construction site, taken May 7, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00730.TIF --Lower core of 184-inch cyclotron, taken May 8, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00731.TIF --Robert Cornog (center) at 184-inch cyclotron construction site. Lower core completed, except for disks. Photo taken May 8, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00732.TIF --Don Littlefield, Jack Wilson, unknown individual, Robert Cornog, 2 unknown individuals, Stephen F. Hurlburt, William C. Twitchell, and Dick Connell at 184-inch cyclotron construction site, taken May 8, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00737.TIF --Robert Cornog at 184-inch cyclotron construction site, taken May 8, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00738.TIF --Bill Farley at 184-inch cyclotron construction site. Note gaps under straight edge. Photo taken May 9, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00739.TIF --Workmen preparing first half disk for lower core at 184-inch cyclotron construction site, taken May 12, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00740.TIF --First (11-ton) disk being placed on lower core at 184-inch cyclotron construction site, taken May 12, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00741.TIF --Paul Aebersold at 184-inch cyclotron construction site, taken May 14, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00742.TIF --Joseph Hamilton (left) and Paul Aebersold on lower core of 184-inch cyclotron with Bill Twitchell working below, taken May 15, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00743.TIF --Lower core of 184-inch cyclotron, taken May 15, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00744.TIF --Paul Aebersold at 184-inch cyclotron construction site, taken May 15, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00745.TIF --Paul Aebersold (standing above) 184-inch cyclotron construction site, taken May 15, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00746.TIF --View of base of magnet (north side) of 184-inch cyclotron, taken May 17, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00747.TIF --Grounds and Buildings Committee of the Regents of the University of California inspecting 184-inch cyclotron construction progress. Ernest Orlando Lawrence facing camera with Robert G. Sproul to his right. Photo taken May 21, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00748.TIF --Grounds and Buildings Committee of the Regents of the University of California in front of the 184-inch cyclotron magnet pole inspecting progress after having accepted the Medical Physics (Donner Lab) site. Left to right: Ernest Orlando Lawrence, Mortimer Fleishhacker, Robert G. Sproul, (Reverend Monsignor) Charles Adolph Ramm, Sidney M. Ehrman, and Edward Augustus Dickson, taken May 21, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00749.TIF --Bottom east end, 184-inch cyclotron construction, taken May 23, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00750.TIF --184-inch cyclotron construction site, taken May 28, 1941. Principal

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Investigator/Project: Analog Conversion Project
 XBD201006-00751.TIF --Jack Wilson starting fresh cut, 184-inch cyclotron construction site, taken May 29, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00752.TIF --Lead shield, 184-inch cyclotron, taken June 11, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00753.TIF --Ion source adjuster, 184-inch cyclotron, taken June 11, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00754.TIF --Ion source adjuster, 184-inch cyclotron, taken June 11, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00755.TIF --Target, 184-inch cyclotron, taken June 11, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00756.TIF --Thin window holder 184-inch cyclotron, taken June 11, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00757.TIF --Ion source, 184-inch cyclotron, taken June 11, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00758.TIF --Last 52-inch plate for top beam being prepared for lifting into place, 184-inch cyclotron construction site, taken June 11, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00760.TIF --Last 52-inch plate being lowered into place, 184-inch cyclotron construction site, taken June 11, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00761.TIF --John G. Backus with oscillator model setup for the 184-inch cyclotron, taken June 12, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00762.TIF --Emilio Segre at the controls of the 37-inch cyclotron, taken June 12, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00763.TIF --Building foundation work at 184-inch cyclotron construction site, taken June 30, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00764.TIF --Donner Laboratory site preparation for construction after first eight hours of work, taken July 21, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00765.TIF --184-inch cyclotron construction site. Note the holes for building support, taken July 22, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00766.TIF --184-inch cyclotron construction site, taken July 22, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00767.TIF --John G. Backus at 184-inch cyclotron construction site, taken July 22, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00768.TIF --Dr. W. D. Coolidge (left), director of the Research Laboratory of the General Electric Company with Ernest Orlando Lawrence, taken July 23, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00769.TIF --Wallace B. Reynolds (second from left); Arthur Brown Jr. (third from left), contractor; and Lawrence Kruse (right) at the Medical Physics Laboratory construction site, taken August 12, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00770.TIF --184-inch cyclotron construction site. Installation of last corner pieces, taken August 12, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00771.TIF --184-inch cyclotron construction site with corners in place, taken August 13, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00772.TIF --Medical Physics Building (Donner Lab) construction site, taken September 8, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00773.TIF --Medical Physics Building (Donner Lab) construction site, taken

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September 8, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00774.TIF --Medical Physics Building (Donner Lab) construction site, taken
 September 17, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00775.TIF --Richard Erlin and Richard Connell at the 184-inch cyclotron construction,
 taken September 22, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00776.TIF --Sir Mark L. Oliphant (left) and Ernest Orlando Lawrence and 184-inch
 cyclotron pole at construction site, taken September 22, 1941. Principal Investigator/Project: Analog
 Conversion Project
 XBD201006-00777.TIF --Sir Mark L. Oliphant (left) and Ernest Orlando Lawrence at 184-inch
 cyclotron construction site, taken September 22, 1941. Principal Investigator/Project: Analog
 Conversion Project
 XBD201006-00778.TIF --Sir Mark L. Oliphant, taken September 23, 1941. Principal
 Investigator/Project: Analog Conversion Project
 XBD201006-00779.TIF --Sir Mark L. Oliphant, taken September 23, 1941. Principal
 Investigator/Project: Analog Conversion Project
 XBD201006-00780.TIF --Dr. Charles Galton Darwin, physicist (grandson of Charles Darwin), taken
 October 1, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00782.TIF --Dr. Charles Galton Darwin, physicist (grandson of Charles Darwin), taken
 October 1, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00783.TIF --184-inch cyclotron exterior building construction, taken October 2, 1941.
 Principal Investigator/Project: Analog Conversion Project
 XBD201006-00784.TIF --184-inch cyclotron exterior building framework on second day, taken
 October 3, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00785.TIF --184-inch cyclotron exterior building framework on second day, taken
 October 3, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00786.TIF --184-inch cyclotron exterior building framework on fourth day, taken
 October 7, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00787.TIF --184-inch cyclotron exterior building framework on fourth day, taken
 October 7, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00788.TIF --Workmen at 184-inch cyclotron showing exterior building framework,
 taken October 8, 1941. Principal Investigator/Project: Analog Conversion Project

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Folder 3 Folder 2 -- XBD201011-01204.TIF-XBD201011-01218.TIF; XBD201011-01223.TIF-XBD201011-01225.TIF; XBD201011-01229.TIF-XBD201011-01242.TIF; XBD201101-00006-XBD201101-00007; XBD201101-00010-XBD201101-00017:
 XBD201011-01204.TIF --Al Ghiorso with Wilma and William (Bill), right. Date and source unknown. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01205.TIF --Portrait of Glenn Seaborg, undated U.S. Atomic Energy Commission photo. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01206.TIF --Portrait of Glenn Seaborg, undated U.S. Atomic Energy Commission photo. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01207.TIF --Glenn Seaborg, Nobel anniversary (Chemistry, 1951.) Photo taken in studio at the Grand Hotel in Stockholm, taken December 1991. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01208.TIF --Glenn Seaborg (with signature,) Nobel anniversary (Chemistry, 1951.) Photo taken in studio at the Grand Hotel in Stockholm, December 1991. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01209.TIF --Glenn Seaborg, Nobel anniversary (Chemistry, 1951.) Photo taken in studio at the Grand Hotel in Stockholm, December 1991. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01210.TIF --EURATOM C.C.R. ISPra, Left to right: Vice President Medi, Commissioner Graham, President Hirsch, Dr. Ritter, unknown, unknown, Chairman Glenn Seaborg. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01211.TIF --Glenn Seaborg at blackboard, speaking at Northwestern University. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01212.TIF --Glenn Seaborg and William Perry signing document in Geneva, Switzerland. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01213.TIF --Fifth Annual IAEA (International Conference on the Safe and Secure Transport of Radioactive Material). Takahashi (alternate from Japan), Chairman Glenn Seaborg, Miki (delegate from Japan), A.A. Wells (U.S). Principal Investigator/Project: Analog Conversion Project
 XBD201011-01214.TIF --U.S. Reception. Left to right: Admiral Oscar Quihillalt (delegate from Argentina); Mrs. Quihillalt; Mrs. Bittencourt; Mr. Bittencourt (alternate from Brazil); Ambassador Max Wershof (delegate from Canada); Juan Contreras-Chavez (delegate from El Salvador); Jose Maria Ortiz Tirado (delegate from Mexico); Chairman Glenn Seaborg; D. Cramer (US Mission). Principal Investigator/Project: Analog Conversion Project
 XBD201011-01215.TIF --Unknown White House meeting with Glenn Seaborg representing the Atomic Energy Commission (second from left at table), Spiro Agnew at head of table and others representing NASA, the Department of Defense, and the Department of State. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01216.TIF --Glenn Seaborg, Mulaika (Barclay), and Bert Corben seated at table, taken in the late 1940s. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01217.TIF --Cabinet meeting with U.S. President Lyndon B. Johnson (center of photo at table with pen to mouth.) Glenn Seaborg (third from left against wall) taken May 13, 1965. Photo credit: Yoichi R. Okamoto (LBJ Library Collection). Principal Investigator/Project: Analog Conversion Project
 XBD201011-01218.TIF --Gleneagles Golf Club. Left to right: Z. Jasaitis, E. Smith, Glenn Seaborg, Helen Seaborg, B. Freeman, H. Robinson, taken October 1, 1944. Principal Investigator/Project: Analog Conversion Project

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XBD201011-01223.TIF --Early photo of old Chemistry Building, University of California, Berkeley. Photo taken in December of 1934. Principal Investigator/Project: Analog Conversion Project

XBD201011-01224.TIF --Glenn Seaborg standing in front of the Periodic Table of Elements. Photo taken in late 1980. Principal Investigator/Project: Analog Conversion Project

XBD201011-01225.TIF --Pure americium hydroxide in capillary tube, isolated January 1946. Principal Investigator/Project: Analog Conversion Project

XBD201011-01229.TIF --Glenn Seaborg at age 17, taken April 1929. Principal Investigator/Project: Analog Conversion Project

XBD201011-01230.TIF --Ernest Orlando Lawrence with two of his daughters. Ernest and Molly Lawrence had six children: Eric, Robert, Margaret, Mary, Barbara, and Susan. Seaborg print. Principal Investigator/Project: Analog Conversion Project

XBD201011-01231.TIF --U.S. President Herbert Hoover, at the Bohemian Grove, circa 1939. Credit Hoover Institute Archives. Principal Investigator/Project: Analog Conversion Project

XBD201011-01232.TIF --Glenn Seaborg at blackboard noting transuranic elements, taken November 1951. Principal Investigator/Project: Analog Conversion Project

XBD201011-01233.TIF --Arthur H. Compton, Nobel Prize in Physics, 1927. Principal Investigator/Project: Analog Conversion Project

XBD201011-01234.TIF --Alan T. Waterhouse, first director of the National Science Foundation. Principal Investigator/Project: Analog Conversion Project

XBD201011-01235.TIF --Ernest Orlando Lawrence with the 37-inch cyclotron, taken in 1937. Principal Investigator/Project: Analog Conversion Project

XBD201011-01236.TIF --Ernest Orlando Lawrence with the 37-inch cyclotron, taken in 1937. Principal Investigator/Project: Analog Conversion Project

XBD201011-01237.TIF --The Old Radiation Laboratory (ORL) building demolished 1960. Historical Cooksey, taken in 1937. Principal Investigator/Project: Analog Conversion Project

XBD201011-01238.TIF --Professor Ernest Rutherford, F.R.S. in his laboratory. He was considered the father of nuclear physics winning the Nobel Prize in Chemistry in 1908. Principal Investigator/Project: Analog Conversion Project

XBD201011-01239.TIF --Niels Bohr, standing at blackboard. Principal Investigator/Project: Analog Conversion Project

XBD201011-01240.TIF --President John F. Kennedy visiting Lawrence Radiation Laboratory, shown here walking through lobby with Glenn Seaborg to the right of Kennedy. Photo taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01241.TIF --First test of synchro-cyclotron in the 37-inch magnet. Caption provided by Ed Lofgren, taken in late 1945 or early 1946. Principal Investigator/Project: Analog Conversion Project

XBD201011-01242.TIF --37-inch magnet water tanks in the Old Radiation Laboratory, print taken in 1937. Principal Investigator/Project: Analog Conversion Project

XBD201101-00006.TIF --37-inch cyclotron, deuteron beam out, taken August 1937. See also XBD9703-00006 cyclotron shown without beam. Principal Investigator/Project: Analog Conversion Project

XBD201101-00007.TIF --Nitrogen recoils from neutrons, taken 1936 or 1937, attributed to: Franz N.D. Kurie. Principal Investigator/Project: Analog Conversion Project

XBD201101-00010.TIF --Ernest Orlando Lawrence portrait, 1939. Principal Investigator/Project: Analog Conversion Project

XBD201101-00011.TIF --37-inch cyclotron tank #4, taken 1937. Principal Investigator/Project: Analog Conversion Project

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XBD201101-00012.TIF --37-inch cyclotron tank #4, Franz N.D. Kurie, and Dean Cowie, taken 1937. Principal Investigator/Project: Analog Conversion Project
 XBD201101-00013.TIF --37-inch cyclotron tank #4, taken 1937. Principal Investigator/Project: Analog Conversion Project
 XBD201101-00014.TIF --37-inch cyclotron tank #4, taken 1937. Principal Investigator/Project: Analog Conversion Project
 XBD201101-00015.TIF --37-inch cyclotron tank #4, taken July 1937. Principal Investigator/Project: Analog Conversion Project
 XBD201101-00016.TIF --Van De Graafgenerator at Round Hill, Massachusetts, probably taken between 1933 and 1935. Principal Investigator/Project: Analog Conversion Project
 XBD201101-00017.TIF --First two 4-inch cyclotrons, taken February 1, 1940. Principal Investigator/Project: Analog Conversion Project

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- 1 XBD201006-00789.TIF - XBD201105-00554.TIF:
 XBD201006-00789.TIF --184-inch cyclotron exterior building framework, with magnet, taken October 8, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00790.TIF --Joseph Hamilton (left) and John Lawrence at Medical Physics Building (Donner Lab) construction site, taken October 11, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00791.TIF --Medical Physics Building (Donner Lab) construction site, taken October 11, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00792.TIF --184-inch cyclotron construction site showing tower for central roof ring. Bill Twitchell sitting on top, taken October 14, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00793.TIF --184-inch cyclotron construction site showing tower for central roof ring, taken October 15, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00794.TIF --184-inch cyclotron construction with roof ring in place, taken October 15, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00795.TIF --184-inch cyclotron construction with first roof truss in place, taken October 16, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00796.TIF --184-inch cyclotron construction with truss sections in place, taken October 20, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00797.TIF --184-inch cyclotron construction with outside truss lift, taken October 23, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00798.TIF --Herbert McLean Evans, professor of anatomy, UC Berkeley, taken October 24, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00799.TIF --J.T. Tate, Ernest Orlando Lawrence, and Captain Gleason at Bohemian Grove, taken October 24, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00800.TIF --184-inch cyclotron construction looking up at center structure, taken October 27, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00801.TIF --184-inch cyclotron roof installation, taken November 14, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00802.TIF --Arnold Clark (left) and "Fuzzy" Wooters on lower core of 184-inch cyclotron, taken November 14, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00803.TIF --Donald Cooksey (left) and Paul Aebersold on lower core of 184-inch cyclotron, taken November 14, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00804.TIF --184-inch cyclotron roof installation, taken November 14, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00805.TIF --Construction workers at Medical Physics Building (Donner Lab) construction site, taken November 14, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00806.TIF --184-inch cyclotron roof installation taken from South Canyon, taken November 20, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00807.TIF --Paul Aebersold (left) and Donald Cooksey standing in front of 184-inch cyclotron, taken November 20, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00808.TIF --Paul Aebersold at Medical Physics Building (Donner Lab) construction site, taken November 20, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00809.TIF --Roof installation at 184-inch cyclotron, taken November 24, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00810.TIF --184-inch cyclotron magnet. View from crane girder, taken December 3,

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1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00811.TIF --184-inch cyclotron roof installation. View from crane girder, taken December 3, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00812.TIF --184-inch cyclotron construction, taken December 5, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00813.TIF --David Sloane's 12-inch pump, taken December 6, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00814.TIF --William C. Twitchell at 184-inch cyclotron construction site, taken December 6, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00815.TIF --184-inch cyclotron upper core rigging, taken December 9, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00816.TIF --Medical Physics Building (Donner Lab) construction, taken December 11, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00817.TIF --184-inch cyclotron construction, placing upper core, taken December 17, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00818.TIF --184-inch cyclotron construction, placing upper pole. Note calliper-type end on measuring bar, lying in right foreground, used to check gap. Photo taken December 17, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00819.TIF --Thomas H. Johnson (left) and Wilson M. Powell standing in front of 184-inch cyclotron, taken December 17, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00820.TIF --Paul Aebersold standing in magnet gap at 184-inch cyclotron construction site, taken December 17, 1941. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00821.TIF --Medical Physics Building (Donner Lab), taken February 9, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00822.TIF --Medical Physics Building (Donner Lab), taken February 9, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00823.TIF --Medical Physics Building (Donner Lab), taken February 9, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00824.TIF --184-inch cyclotron with coil winding machine, taken February 22, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00825.TIF --Millicent Sperry (Mrs. Donald Cooksey) sitting on coiling machine at the 184-inch cyclotron, taken February 22, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00826.TIF --184-inch cyclotron, constructing lifting frame, taken February 26, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00828.TIF --Transporting 184-inch cyclotron Dee support tanks, taken March 3, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00829.TIF --Unloading 184-inch cyclotron Dee stem tanks, taken March 3, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00830.TIF --Winding begins at 184-inch cyclotron, taken March 3, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00831.TIF --Wallace B. Reynolds on coil at 184-inch cyclotron, taken March 7, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00832.TIF --Ernest Orlando Lawrence's 1941 "160" Packard with 184-inch cyclotron, taken March 8, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00833.TIF --William C. Twitchell (left) and Wallace B. Reynolds at 184-inch cyclotron coil winding "leveler" straightening copper, taken March 8, 1942. Principal Investigator/Project:

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Analog Conversion Project
 XBD201006-00834.TIF --Cut-off saw cutting copper strap prior to brazing at 184-inch cyclotron, taken March 7, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00835.TIF --Bill Brower (left) and William C. Twitchell with brazing machine making joint for 184-inch cyclotron coils, taken March 8, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00836.TIF --Ernest Orlando Lawrence (left) and Edwin McMillan standing to left of William C. Twitchell (back to camera), 184-inch cyclotron winding operation, taken March 8, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00837.TIF --184-inch cyclotron coil. Austin Sperry and his wife, taken March 15, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00838.TIF --184-inch cyclotron coil. Earle Thorpe attaching lug, taken March 15, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00839.TIF --Attaching lifting bar to strap ends of 184-inch cyclotron coil (bottom side), taken March 19, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00840.TIF --Shoving lifting bar home at 184-inch cyclotron coil, 12 all together with 60 straps, taken March 19, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00841.TIF --Lifting the coil clear of the winding machine so spokes can be removed at 184-inch cyclotron coil, taken March 19, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00842.TIF --184-inch cyclotron coil winding machineless spokes. Lifting frame in lower position showing method of attachment of upper ends of straps to frame. Janes and Wallace B. Reynolds, taken March 19, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00843.TIF --184-inch cyclotron coil winding sequence. Note Fleischer sanding joint. William Brobeck to the right of paper insulation table, taken April 1, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00844.TIF --184-inch cyclotron coil winding. Eleventh and final coil for upper bank just completed. Note method of ending coils and copper blocks to which connector straps will be screwed, taken April 2, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00845.TIF --Preparing to lift upper bank at 184-inch cyclotron coil. Preparing to lift upper bank. Gordon sawing wood ends, taken April 3, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00846.TIF --Preparing for 150-ton lift, 184-inch cyclotron, taken April 3, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00847.TIF --Winding complete on upper coils. Shell for inner wall of upper oil tank in foreground. 184-inch cyclotron construction, taken April 3, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00848.TIF --Ernest Orlando Lawrence standing by upper coils of 184-inch cyclotron before they are raised. Note the supporting bracket forging, taken April 6, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00856.TIF --184-inch cyclotron coils. Ernest Orlando Lawrence and Wilson Brubacker, taken April 6, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00857.TIF --Preparing to raise the coil bank at the 184-inch cyclotron. Donald Cooksey with hammer, taken April 6, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00858.TIF --Wallace B. Reynolds standing by upper coil bank ready to be jacked up at 184-inch cyclotron, taken April 9, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00859.TIF --184-inch cyclotron. Placing upper oil tank inner wall. Note the cloth rolls

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between which concrete will be forced to give backing to oil tank wall where copper will be brazed, taken April 11, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201006-00860.TIF --Twelve men raise the upper coil bank (150 tons) at the 184-inch cyclotron, taken April 11, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00888.TIF --Upper coil being raised, 184-inch cyclotron, taken April 11, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00889.TIF --Attaching coil brackets, 184-inch cyclotron, taken April 15, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00890.TIF --Upper coil going up, 184-inch cyclotron, taken April 15, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00891.TIF --Tapping holes for coil bracket hanger bars, 184-inch cyclotron, taken April 16, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00892.TIF --Rollers in place to rotate coils about two inches, 184-inch cyclotron. William C. Twitchell and Wallace B. Reynolds on platform, taken April 18, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00893.TIF --Cables set to rotate upper coil bank, 184-inch cyclotron, taken April 18, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00894.TIF --Medical Physics Building (Donner Lab), taken April 22, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00895.TIF --Bottom inner wall of oil tank in place, 184-inch cyclotron, taken May 3, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00896.TIF --Copper for the lower coil bank (approximately 530 pounds per roll), 184-inch cyclotron, taken May 6, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00897.TIF --Crane for use at the 184-inch cyclotron on three flat cars in Emeryville, taken May 8, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00898.TIF --184-inch cyclotron bottom coil. Note turns omitted, taken May 8, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00899.TIF --Ernest Orlando Lawrence with the first crane rail, 184-inch cyclotron, taken May 13, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00900.TIF --Left to right: Donald Cooksey, William Brobeck, and Wallace B. Reynolds standing in front of first crain rail, taken May 13, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00901.TIF --Second crane rail in a ditch, taken May 14, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00902.TIF --Paul Aebersold standing next to completed lower coils, 184-inch cyclotron, taken May 16, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00903.TIF --184-inch cyclotron transformer setup, taken May 16, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00904.TIF --184-inch cyclotron crane rails in place, taken May 17, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00905.TIF --Overview of 184-inch cyclotron construction, taken May 18, 1942. Principal Investigator/Project: Analog Conversion Project
 XBD201008-00906.TIF --OSRD (Office of Scientific Research and Development) party at Bohemian Grove (S-1 Committee Meeting.) Left to right: Harold Urey, Ernest Orlando Lawrence, James B. Conant, Lyman J. Briggs, E. V. Murphree, and A. H. Compton, taken September 14, 1942. Cooksey -705. See also XBD201008-00907.TIF Principal Investigator/Project: Analog Conversion Project

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XBD201008-00907.TIF --OSRD (Office of Scientific Research and Development) party at Bohemian Grove, (S-1 Committee Meeting.) Left to right: Major Thomas T. Crenshaw, J. Robert Oppenheimer, Harold Urey, Ernest Orlando Lawrence, James B. Conant, Lyman J. Briggs, E. V. Murphree, A. H. Compton, Robert H. Thornton, and Colonel K. D. Nichols, taken September 14, 1942. See also XBD201008-00906.TIF. Principal Investigator/Project: Analog Conversion Project

XBD201008-00908.TIF --Encasing magnet windings for the 184-inch cyclotron, taken May 1942. Principal Investigator/Project: Analog Conversion Project

XBD201008-00909.TIF --Metal casing for the 184-inch cyclotron. Principal Investigator/Project: Analog Conversion Project

XBD201008-00910.TIF --Lower coils of the 184-inch cyclotron completely encased, taken May 1942. Principal Investigator/Project: Analog Conversion Project

XBD201008-00911.TIF --Lower coils of the 184-inch cyclotron encased, taken May 1942. Principal Investigator/Project: Analog Conversion Project

XBD201008-00912.TIF --Aerial view of Lawrence Berkeley Lab with Memorial Stadium in foreground and 184-inch cyclotron in background, taken April 30, 1946. Principal Investigator/Project: Analog Conversion Project

XBD201008-00913.TIF --Certificate awarded to the University of California from the United States War Department, Army Service Forces Corps of Engineers, Manhattan District for, "Valuable services rendered to the nation on work essential to the production of the atomic bomb" during World War II. Signed by Henry Stimson, taken October 21, 1945. See related photo: XBD201008-00913-00916.TIF. Principal Investigator/Project: Analog Conversion Project

XBD201008-00914.TIF --Donald Cooksey, Ernest Orlando Lawrence, and Major Harold A. Fidler. Taken at award ceremony at Lawrence's home, taken October 21, 1945. See related photo: XBD201008-00913-00916.TIF. Principal Investigator/Project: Analog Conversion Project

XBD201008-00915.TIF --General Leslie R. Groves presenting a medal to Major Harold A. Fidler. Taken at award ceremony at Lawrence's home, taken October 21, 1945. See related photo: XBD201008-00913-00916.TIF. Principal Investigator/Project: Analog Conversion Project

XBD201008-00916.TIF --Ernest Orlando Lawrence and Major Harold A. Fidler. Taken at award ceremony at Lawrence's home, taken October 21, 1945. See related photo: XBD201008-00913-00916.TIF. Principal Investigator/Project: Analog Conversion Project

XBD201008-00917.TIF --Dee "D" supporting tank at the 60-inch cyclotron. Left to right: Charles Seymours (president of Yale University), Ernest Orlando Lawrence, and Donald Cooksey, date unknown. Principal Investigator/Project: Analog Conversion Project

XBD201008-00918.TIF --Dee "D" supporting tank at the 60-inch cyclotron. Left to right: Donald Cooksey, Charles Seymours (president of Yale University), and Ernest Orlando Lawrence, date unknown. Principal Investigator/Project: Analog Conversion Project

XBD201008-00919.TIF --Ernest Orlando Lawrence viewing separator tanks for the 184-inch cyclotron, taken April 21, 1942. Principal Investigator/Project: Analog Conversion Project

XBD201008-00920.TIF --184-inch cyclotron. Frank Oppenheimer (center right) and Robert Thornton (right) examining the 4-source emitter for the improved alpha cyclotron. See also XBD 9606-02760.TIF. Principal Investigator/Project: Analog Conversion Project

XBD201008-00921.TIF --184-inch cyclotron construction, date unknown. Principal Investigator/Project: Analog Conversion Project

XBD201008-00922.TIF --184-inch cyclotron, date unknown. Principal Investigator/Project: Analog Conversion Project

XBD201008-00923.TIF --184-inch cyclotron, date unknown. Principal Investigator/Project: Analog Conversion Project

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XBD201008-00924.TIF --Overview of 184-inch cyclotron construction, date unknown. Principal Investigator/Project: Analog Conversion Project

XBD201008-00925.TIF --184-inch cyclotron, date unknown. Principal Investigator/Project: Analog Conversion Project

XBD201008-00926.TIF --184-inch cyclotron, Frank Oppenheimer, right. Photo dated June 19. Principal Investigator/Project: Analog Conversion Project

XBD201008-00927.TIF --Overview of 184-inch cyclotron construction, date unknown. Principal Investigator/Project: Analog Conversion Project

XBD201008-00928.TIF --Rear view of 60-inch cyclotron in early stages showing the fastest high-vacuum pump in the world, taken March 20, 1939. Principal Investigator/Project: Analog Conversion Project

XBD201008-00929.TIF --Ernest Orlando Lawrence, taken May 13, 1958. Principal Investigator/Project: Analog Conversion Project

XBD201008-00930.TIF --John S. Foster, Sr. Associate Director of the Lawrence Berkeley Laboratory, 1961. Photo taken September 14, 1964. Recipient of the Ernest Orlando Lawrence Award in 1960 for "Unique contributions, demanding unusual imagination and technical skill, to the development of atomic weapons." Principal Investigator/Project: Analog Conversion Project

XBD201008-00931.TIF --Glenn T. Seaborg (left) and Al Ghiorso at Hilac, taken March 7, 1969. Principal Investigator/Project: Analog Conversion Project

XBD201008-00932.TIF --Glenn T. Seaborg and Al Ghiorso at Hilac, taken March 7, 1969. Principal Investigator/Project: Analog Conversion Project

XBD201008-00933.TIF --Discovery of element 101, 1958. Al Ghiorso (left) and Bernie Harvey, taken April 24, 1972. Principal Investigator/Project: Analog Conversion Project

XBD201008-00934.TIF --Napkin rings used in creating target for element 101, taken April 24, 1972. Principal Investigator/Project: Analog Conversion Project

XBD201008-00935.TIF --Discovery of element 101, 1958. Al Ghiorso (left) and Glenn Seaborg, taken April 24, 1972. Principal Investigator/Project: Analog Conversion Project

XBD201011-01203.TIF --Al Ghiorso, taken in 1955. Principal Investigator/Project: Analog Conversion Project

XBD201011-01219.TIF --UCLA group in Chicago, Illinois. Glenn Seaborg (far left), taken July 25, 1944. Principal Investigator/Project: Analog Conversion Project

XBD201011-01220.TIF --Le Conte Hall, University of California, Berkeley. View of the east facade with Bacon Hall and the Campanile in the background, taken in 1926. Principal Investigator/Project: Analog Conversion Project

XBD201011-01221.TIF --First laboratory set up for the study of pure plutonium. Metallurgical Laboratory, Chicago, Illinois. Photo taken in 1942. Principal Investigator/Project: Analog Conversion Project

XBD201011-01222.TIF --Gilman Hall, University of California, Berkeley. Photo taken April 1, 1946. Principal Investigator/Project: Analog Conversion Project

XBD201011-01243.TIF --184-inch cyclotron magnet for calutron research during wartime (crane view). Photo taken 2/2/1943. Declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project

XBD201011-01244.TIF --Tank #4 at the 37-inch cyclotron, taken August 1937. Principal Investigator/Project: Analog Conversion Project

XBD201011-01245.TIF --President John F. Kennedy giving speech at Memorial Stadium for U.C Berkeley Charter Day celebration. During this trip he also visited Lawrence Radiation Laboratory, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

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XBD201011-01246.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory. Kennedy shown waving from motorcade vehicle. California Governor, Edmund G. Brown seated next to Kennedy. Photo taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01247.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory. Kennedy's motorcade (view from above), taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01248.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory. Kennedy's motorcade (view from above), taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01249.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory. Edward Teller, Associate Director; Robert McNamara, Defense Secretary; and Harold Brown, Director of Defense Research and Engineering meet Lawrence Radiation Laboratory representatives, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01250.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory and Charter Day Celebration with University of California President Clark Kerr, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01251.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory. From left: Edwin McMillan, Glenn Seaborg, John F. Kennedy, and Defense Secretary Robert McNamara, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01252.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory. From left to right: Norris Bradbury (LASL Director), John Foster (LRL Livermore Director), Edwin McMillan (LRL Director), Glenn Seaborg (AEC Chairman), President Kennedy, Edward Teller (LRL Associate Director), Robert McNamara (Defense Secretary), and Harold Brown (Director of Defense Research and Engineering), taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01253.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory. The President and Governor Brown with crowd outside Building 70A, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01254.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory. President Kennedy and Defense Secretary, Robert McNamara greeting personnel outside Building 70A, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01255.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory. Close-up of the President in his motorcade vehicle with California Governor, Edmond G. Brown, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01256.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory. President Kennedy, Glenn T. Seaborg, and Defense Secretary and Robert McNamara, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01257.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory. From left: Edward Teller, Associate Director; Robert McNamara, Defense Secretary; and Harold Brown, Director of Defense Research and Engineering in discussion outside Building 70A, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01258.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory with Glenn T. Seaborg, Edmond G. Brown, and Robert McNamara outside Building 70A, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project

XBD201011-01259.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory. President Kennedy with group outside Building 70A including Edward Teller, LRL Associate

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Director (right) and Edwin McMillan (left), taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01260.TIF --President John F. Kennedy's visit to Lawrence Radiation Laboratory. President Kennedy talking with Associate Director Edward Teller, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01261.TIF --President John F. Kennedy 's visit to Lawrence Radiation Laboratory. Associate Director Edward Teller (left) and Edwin McMillan (right) among a group in briefing room, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01262.TIF --President John F. Kennedy 's visit to Lawrence Radiation Laboratory. President Kennedy talking with Glenn Seaborg and Edwin McMillan in briefing room, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01263.TIF --President John F. Kennedy 's visit to Lawrence Radiation Laboratory. President Kennedy talking with a group in briefing room, including Glenn Seaborg, Edwin McMillan, and Edward Teller (LRL Associate Director), taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01265.TIF --President John F. Kennedy 's visit to Lawrence Radiation Laboratory. President Kennedy in briefing room, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project
 XBD201011-01266.TIF --President John F. Kennedy 's visit to Lawrence Radiation Laboratory. President Kennedy greeting group in briefing room, taken March 23, 1962. Principal Investigator/Project: Analog Conversion Project
 XBD201101-00008.TIF --Mr. and Mrs. John Rasmussen, and Marian Diamond, possibly taken in 1958. Reference: H238 Principal Investigator/Project: Analog Conversion Project
 XBD201101-00009.TIF --184-inch cyclotron, calutron research during wartime (crane view out doorway). Photograph taken, 3/3/1943. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00125.TIF --184-inch cyclotron, calutron research during wartime (crane view). Photo taken 3/7/1943. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00126.TIF --184-inch cyclotron, calutron research during wartime (crane view of magnet). Photo taken 3/17/1943. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00127.TIF --Goldfish bath under 184-inch cyclotron. Photo taken 5/21/1943. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00129.TIF --Unidentified woman pouring "liquid air" in trap of RI at 184-inch cyclotron. Photo taken 5/25/1943. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00130.TIF --184-inch cyclotron (crane view). Photo taken 7/9/1943. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00131.TIF --North side of 184-inch cyclotron, platform and XC magnet (crane view). Photo taken 4/11/1944. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00132.TIF --North side of 184-inch cyclotron, platform and XC magnet (crane view). Photo taken 4/11/1944. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00133.TIF --West side of 184-inch cyclotron (crane view). Photo taken 4/11/1944. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00134.TIF --View of 184-inch cyclotron dome framework provided by unknown

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photographer, taken 2/26/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00135.TIF --184-inch cyclotron shims, taken 8/13/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00136.TIF --184-inch cyclotron, calutron conversion, steel plates. Photo taken 8/17/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00139.TIF --184-inch cyclotron, calutron conversion. Photo taken 8/23/1945. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00140.TIF --184-inch cyclotron, calutron conversion. Photo taken 8/24/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00145.TIF --184-inch cyclotron, calutron conversion. Photo taken 8/24/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00146.TIF --184-inch cyclotron, calutron conversion, lifting shim. Photo taken 8/27/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00147.TIF --184-inch cyclotron, calutron conversion, lifting shim. Photo taken 8/27/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00148.TIF --184-inch cyclotron, calutron conversion, lifting shim. Photo taken 8/28/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00149.TIF --184-inch cyclotron, calutron conversion, lifting shim. Photo taken 8/28/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00150.TIF --184-inch cyclotron, calutron conversion, lifting shim. Photo taken 9/1/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00151.TIF --184-inch cyclotron, calutron conversion, lifting shim. Photo taken 9/1/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00152.TIF --184-inch cyclotron, calutron conversion. Photo taken 9/1/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00153.TIF --184-inch cyclotron, calutron conversion with workman. Photo taken 9/1/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00154.TIF --184-inch cyclotron, calutron conversion. Photo taken 8/31/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00155.TIF --184-inch cyclotron, calutron conversion, W. Twitchell (right). Photo taken 8/31/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00156.TIF --184-inch cyclotron, calutron conversion. Photo taken 8/31/1945. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00157.TIF --184-inch cyclotron, calutron conversion. Photo taken 9/8/1945. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00158.TIF --184-inch cyclotron, calutron conversion, tank #1 (center.) Photo taken 9/8/1945. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00159.TIF --184-inch cyclotron, calutron conversion, tank #1 (left.) Photo taken 9/8/1945. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00160.TIF --184-inch cyclotron, calutron conversion, tank #1 (left.) Photo taken 9/8/1945. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project
 XBD201103-00161.TIF --184-inch cyclotron, calutron conversion, steel plates in foreground. Photo taken 9/1/1945. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project

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Records Transmittal

Division	Department	Filing Code
Directorate	Public Affairs	ARO-6341
Group	Creative Services Offices (CSO)/PhotoLab	
Records Title		
Public Affairs Creative Services Office's Photo Lab's Historic Morgue Collection Of Analog And Digital Photographs		

XBD201103-00164.TIF --184-inch cyclotron, calutron conversion, Peak before September demobilization. Photo taken 9/15/1945. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project

XBD201103-00165.TIF --184-inch cyclotron, calutron conversion, K. bus installation. Photo taken 9/10/1945. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project

XBD201103-00166.TIF --184-inch cyclotron, control panels being dismantled. Photo taken 9/14/1945. Principal Investigator/Project: Analog Conversion Project

XBD201103-00167.TIF --184-inch cyclotron, control panels being dismantled. Restricted (declassified 4/30/1959.) Photo taken 9/21/1945. Principal Investigator/Project: Analog Conversion Project

XBD201103-00168.TIF --184-inch cyclotron, calutron conversion, First run with 110-3. Photo taken 9/21/1945. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project

XBD201103-00169.TIF --184-inch cyclotron, calutron conversion, U3. Photo taken 8/26/1945. Confidential, declassified 4/30/1959. Principal Investigator/Project: Analog Conversion Project

XBD201103-00170.TIF --184-inch cyclotron, calutron conversion, valve discs. Photo taken 10/20/1945. Principal Investigator/Project: Analog Conversion Project

XBD201103-00171.TIF --184-inch cyclotron, calutron conversion, 1/16" model vacuum tank. Photo taken 10/20/1945. Principal Investigator/Project: Analog Conversion Project

XBD201103-00172.TIF --184-inch cyclotron, calutron conversion, 1/16" model vacuum tank. Photo taken 10/20/1945. Principal Investigator/Project: Analog Conversion Project

XBD201103-00173.TIF --184-inch cyclotron, calutron conversion, Lofgren's measuring tools. Photo taken 10/20/1945. Principal Investigator/Project: Analog Conversion Project

XBD201104-00246.TIF --184-inch cyclotron, William C. Twitchell's setup. Photo taken 10/16/1945. Principal Investigator/Project: Analog Conversion Project

XBD201104-00247.TIF --184-inch cyclotron, 1/16" model cyclotron with tank. Photo taken 10/23/1945. Principal Investigator/Project: Analog Conversion Project

XBD201104-00248.TIF --Model cyclotron associated with 184-inch cyclotron. Scanned from damaged negative. Photo taken 10/23/1945. Principal Investigator/Project: Analog Conversion Project

XBD201104-00249.TIF --Betatron injector associated with 184-inch cyclotron. Photo taken 10/31/1945. Principal Investigator/Project: Analog Conversion Project

XBD201104-00252.TIF --Main gate valve piston rods associated with 184-inch cyclotron. Photo taken 11/13/1945. 184"-103. Principal Investigator/Project: Analog Conversion Project

XBD201104-00253.TIF --Arrival of tanks at 184-inch cyclotron. Photo taken 11/13/1945. 184"-106. Principal Investigator/Project: Analog Conversion Project

XBD201104-00255.TIF --Arrival of tanks at 184-inch cyclotron. Photo taken 11/13/1945. 184"-107. Principal Investigator/Project: Analog Conversion Project

XBD201104-00256.TIF --Transformers arriving at 184-inch cyclotron. Photo taken 11/15/1945. 184"-109. Principal Investigator/Project: Analog Conversion Project

XBD201104-00257.TIF --Bigge parade. Transformers and D stem tanks arriving at 184-inch cyclotron. Photo taken 11/15/1945. 184"-111. Principal Investigator/Project: Analog Conversion Project

XBD201104-00258.TIF --D stem tanks at 184-inch cyclotron. Photo taken 11/14/1945. 184"-112. Principal Investigator/Project: Analog Conversion Project

XBD201104-00259.TIF --D stem tank at 184-inch cyclotron. Photo taken 11/14/1945. 184"-114.

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

Principal Investigator/Project: Analog Conversion Project
 XBD201104-00260.TIF --Shim for 184-inch cyclotron magnet model. Photo taken 12/7/1945. 184"-119. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00261.TIF --Frequency modulator using external electrodes to a glow discharge associated with 184-inch cyclotron. Photo taken 12/11/1945. 184"-126. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00262.TIF --Cover for D stem tank for 184-inch cyclotron. Photo taken 12/12/1945. 184"-127. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00263.TIF --Manifold for 184-inch cyclotron. Photo taken 12/26/1945. 184"-128. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00264.TIF --Main cyclotron pump gate for 184-inch cyclotron. Photo taken 12/21/1945. 184"-129. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00265.TIF --Main cyclotron pump gate for 184-inch cyclotron. Photo taken 12/26/1945. 184"-130. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00266.TIF --184-inch cyclotron magnet poles for 1 1/2" gap. Photo taken 12/19/1945. 184"-133. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00323.TIF --Robert Stone with new X-ray machine. Examiner photograph by Dan Wilkes taken 8/5/1931. XBB688-4930. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00324.TIF --Robert Stone with new X-ray machine. Examiner photograph by Dan Wilkes taken 8/5/1931. XBB688-4931. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00325.TIF --General L R. Groves presenting Medal of Merit to E. Fermi, R. Stone, Uvey, and Allison for their wartime achievements in Chicago, Illinois. Photo taken 3/20/1946. XBB9309-06158. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00326.TIF --Berkeley Laboratory Linear Accelerator Group seated on top of the vacuum tank of their 40-foot 32-MeV proton linear accelerator on the back of a flatbed truck. Left to right: Frank Fillmore, Wilfred Kimlinger, Frank Grobelch, Saul Lissauer, Richard Crawford, Clarence Turner, Al Walker, Donald Cone, Arthur Hudgins, Philip Carnahan, Thomas Bristow, James McFaden, Duncan Gardner, Thomas Perkin, Val Ashby, Robert Serber, Pief Panofsky, Chaim Richman, Lauriston Marshall, John Woodyard, Frank Oppenheimer, Morris Jeppson, Alva Davis, Al Chesterman, Luis Alvarez, Richard Shuey, Andrew Gardner, Craig Nunan, Owen Jones, Ed Krohn, Don Gow, Edward Day, Selsted, Al Kaehler, Haydn Gordon, David Vance. Velma Turner, standing in front. Personnel associated with the group but missing from this photo: Joe Ballam, Hugh Bradner, Bruce Cork, Marty Ehrlich, Skip Hampton, Swegn Hamren, Larry Johnston, Henry Loomis, Ernie Martinelli, Bob Mosley, Bill Toulis. Source: SLAC Archives, ARC100; Lawrence Berkeley Laboratory photo. From W.K.H. (Pief) Panofsky papers. Photo taken in 9/11/1946. From SLAC arc100
 Principal Investigator/Project: Analog Conversion Project
 XBD201104-00327.TIF --184-inch cyclotron welder making additions to tank. Photo taken 1/3/1946. 184"-134. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00328.TIF --1/16" model of 184-inch cyclotron tank. Photo taken 1/14/1946. 184"-135. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00329.TIF --184-inch cyclotron tank. Photo taken 1/14/1946. 184"-136. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00330.TIF --184-inch cyclotron tank. Photo taken 1/14/1946. 184"-137. Principal Investigator/Project: Analog Conversion Project
 XBD201104-00331.TIF --184-inch cyclotron plates at Southern Pacific freight yard. Photo taken 1/14/1946. 184"-138. Principal Investigator/Project: Analog Conversion Project

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

XBD201104-00332.TIF --184-inch cyclotron plates at Southern Pacific freight yard, Donald Cooksey standing at left. Photo taken 1/14/1946. 184"-139. Principal Investigator/Project: Analog Conversion Project

XBD201104-00333.TIF --1/16" scale model of 184-inch cyclotron tank. Photo taken 1/14/1946. 184"-140. Principal Investigator/Project: Analog Conversion Project

XBD201104-00334.TIF --184-inch cyclotron tanks. Photo taken 1/14/1946. 184"-142. Principal Investigator/Project: Analog Conversion Project

XBD201104-00335.TIF --184-inch cyclotron inner section vacuum chamber. Photo taken 1/14/1946. 184"-143. Principal Investigator/Project: Analog Conversion Project

XBD201104-00336.TIF --184-inch cyclotron manifold. Photo taken 1/14/1946. 184"-144. Principal Investigator/Project: Analog Conversion Project

XBD201104-00337.TIF --Beveled edges on pole plates for 184-inch cyclotron magnet. Photo taken 2/12/1946. 184"-154 Principal Investigator/Project: Analog Conversion Project

XBD201104-00338.TIF --Torturing pole plates for 184-inch cyclotron magnet. Photo taken 2/12/1946. 184"-155 Principal Investigator/Project: Analog Conversion Project

XBD201104-00339.TIF --Water cooled magneto, 184-inch cyclotron magnet. Photo taken 2/14/1946. 184"-156. Principal Investigator/Project: Analog Conversion Project

XBD201104-00340.TIF --1/4 scale model of 184-inch cyclotron synchrotron D system. Unknown date. 184"-157. Principal Investigator/Project: Analog Conversion Project

XBD201104-00341.TIF --Boring hole in pole plate for 184-inch cyclotron. Photo taken 2/27/1946. 184"-160. Principal Investigator/Project: Analog Conversion Project

XBD201104-00342.TIF --184-inch cyclotron crew in costume. Clockwise from upper left: Fred Yeater, Ralph Dufour, unknown individual, Jimmy Vale. Principal Investigator/Project: Analog Conversion Project

XBD201105-00404.TIF --1/4 scale model of 184-inch cyclotron dee. Photo taken 3/5/1946. 184"-167. Principal Investigator/Project: Analog Conversion Project

XBD201105-00405.TIF --184-inch cyclotron coupling loop. Photo taken 3/4/1946. 184"-168. Principal Investigator/Project: Analog Conversion Project

XBD201105-00406.TIF --184-inch cyclotron model dee system. Photo taken 4/12/1946. Principal Investigator/Project: Analog Conversion Project

XBD201105-00407.TIF --184-inch cyclotron model dee system. Photo taken 4/12/1946. Principal Investigator/Project: Analog Conversion Project

XBD201105-00408.TIF --184-inch cyclotron H.V.R.F. oscillator. Photo taken 4/12/1946. Principal Investigator/Project: Analog Conversion Project

XBD201105-00410.TIF --184-inch cyclotron H.V.R.F. oscillator. Photo taken 4/12/1946. Principal Investigator/Project: Analog Conversion Project

XBD201105-00411.TIF --184-inch cyclotron. Restricted image assumed to be declassified as others in series. Photo taken 4/4/1946. Principal Investigator/Project: Analog Conversion Project

XBD201105-00412.TIF --184-inch cyclotron pole plate. Photo taken 4/4/1946. Principal Investigator/Project: Analog Conversion Project

XBD201105-00413.TIF --184-inch cyclotron. Photo taken 4/4/1946. Principal Investigator/Project: Analog Conversion Project

XBD201105-00414.TIF --Model 184-inch cyclotron tank. Photo taken 4/24/1946. Principal Investigator/Project: Analog Conversion Project

XBD201105-00416.TIF --184-inch cyclotron refrigerated baffle and coil. Photo taken 5/3/1946. Principal Investigator/Project: Analog Conversion Project

XBD201105-00417.TIF --184-inch cyclotron equipment on floor. Photo taken 5/9/1946. Principal Investigator/Project: Analog Conversion Project

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

Investigator/Project: Analog Conversion Project
 XBD201105-00418.TIF --184-inch cyclotron high meg. grounded oscillator grid tube for Pandora. Photo taken 5/7/1946. Principal Investigator/Project: Analog Conversion Project
 XBD201105-00553.TIF --184-inch cyclotron tubes and magnet. Photo taken 5/14/1946, suggested by Brobeck. Principal Investigator/Project: Analog Conversion Project
 XBD201105-00554.TIF --184-inch cyclotron tubes and magnet. Photo taken 5/12/1946, suggested by Brobeck. Principal Investigator/Project: Analog Conversion Project

Folder

2 3 VERBATIM Archival Grade DVD-R 8X:

DISC 1 -- 254 (of 511) High Resolution .tiff Files -- 10_21_2011 -- LBNL Analog Conversion Project [VERBATIM Archival Grade DVD-R 8X].
 Contents Summary: XBD9606-02772.TIF -- XBD201006-00808.TIF

DISC 2 -- 257 (of 511) High Resolution .tiff Files -- 10_21_2011 -- LBNL Analog Conversion Project [VERBATIM Archival Grade DVD-R 8X].
 Contents Summary: XBD201006-00809.TIF -- XBD201105-00554.TIF

DISC 3 -- xlsx index -- 511 Low Resolution -- .png Files 10_21_2011 -- LBNL Analog Conversion Project [VERBATIM Archival Grade DVD-R 8X].
 Contents Summary: Final_LBNL_01_25_2012_Photos_To_NARA.xls; XBD9606-02772.png -- XBD201105-00554.png