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HISTORIC AMERICAN ENGINEERING RECORD

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United States Geological Survey,
Rock Magnetics Laboratory (Building 9B)
345 Middlefield Road
Menlo Park
San Mateo County
California

HAER No. CA-173

David G. De Vries, photographer

September, 1995

CA-173-1	OVERALL VIEW OF BUILDING 9, LOOKING TO SOUTHEAST FROM BUILDING 4. BUILDING 2 IS VISIBLE BEHIND AND TO LEFT OF BUILDING 9.
CA-173-2	WEST REAR, NORTH AND CENTRAL PARTS.
CA-173-3	WEST REAR, SHOWING ORIGINAL ENTRANCE AND GABLE AT SOUTH END.
CA-173-4	PARTIAL WEST AND SOUTH SIDES. THE WING IN THE FOREGROUND IS NOT ORIGINAL, BUT WIDENED AND EXTENDED THE ORIGINAL SPACE AT THE LABORATORY'S WEST END.
CA-173-5	ORIGINAL SOUTH SIDE, WEST PART, SET BACK FROM ADDITION AT LEFT.
CA-173-6	ORIGINAL SOUTH SIDE, CENTRAL PART.
CA-173-7	ORIGINAL SOUTH SIDE, EAST PART, ALSO SHOWING PATH FROM EAST FRONT LEADING TO CENTRAL CAMPUS.
CA-173-8	EAST FRONT. ONLY THE GABLED PART IS ORIGINAL.
CA-173-9	LOOKING WEST INTO COURTYARD FROM WALK FRONTING EAST SIDE OF BUILDING 9.
CA-173-10	COURTYARD, LOOKING SOUTHEAST TO ROOM 47 ADDITION.
CA-173-11	LOOKING SOUTH AT THE ONLY REMAINING PART OF THE NORTH SIDE OF ORIGINAL LAB, FROM COURTYARD.

CA-173-12	OVERALL NORTH SIDE. THIS PART OF BUILDING 9 IS NOT ASSOCIATED WITH THE SIGNIFICANT RESEARCH THAT OCCURRED IN THE SOUTH WING.
CA-173-13	ROOM 40, LOOKING WEST FROM THE RUBENS COIL. SPINNER MAGNETOMETER IS VISIBLE AT FAR LEFT, AND THE RUBENS COIL CONTROL UNIT AT FAR RIGHT.
CA-173-14	ROOM 40, LOOKING EAST FROM THE ENTRANCE OF ROOM 38. CURIE BALANCE VISIBLE AT RIGHT.
CA-173-15	ROOMS 48 AND 49, LOOKING SOUTH FROM ENTRANCE TO ROOM 47. THE OAK CABINETS ARE USED TO STORE ROCK CORE SAMPLES.
CA-173-16	ROOM 38, LOOKING WEST FROM ROOM 40. FIELD EQUIPMENT IS STORED ON SHELVES AT LEFT.
CA-173-17	ROOM 32, SHOWING THE ORIGINAL LOCATION OF THE MASS SPECTROMETER AND EXTRACTION LINES, LOOKING SOUTH.
CA-173-18	ROOM 32, LOOKING NORTH FROM DOORWAY TO ROOM 38.
CA-173-19	ROOM 34 AT WEST END OF LABORATORY, THAT FORMERLY HOUSED ROCK CUTTING EQUIPMENT. NOTE BLACKED OUT ORIGINAL WINDOW AT LEFT.
CA-173-20	RUBENS COIL AT SOUTHEAST CORNER OF ROOM 40, LOOKING TOWARD EAST FRONT ENTRANCE.
CA-173-21	CONTROL UNIT FOR RUBENS COIL.
CA-173-22	SPINNER MAGNETOMETER ALONG NORTH WALL OF ROOM 40.
CA-173-23	CURIE BALANCE ALONG SOUTH WALL OF ROOM 40.
CA-173-24	CONTROL UNIT FOR CURIE BALANCE.
CA-173-25	FOUR AXIS TUMBLER DEMAGNETIZER MADE FROM PRESSED IMPREGNATED FABRIC.
CA-173-26	POLE PIECES FOR CURIE BALANCE.

CA-173-27 THREE AXIS DEMAGNETIZER USED IN ORIGINAL WORK.

CA-173-28 MODIFIED CHAIN SAW FOR CUTTING ROCK CORES; BRUNTON COMPASS STAND FOR DETERMINING CORE'S FIELD ORIENTATION; INSECTICIDE DISPENSER MODIFIED TO LUBRICATE CORE DRILLING PROCESS.

Note: Photographs No's. CA-173-29 through CA-173-34 are 4 x 5 inch contact prints from copy negatives of resin coated silver gelatin enlargements held at the United States Geological Survey, Menlo Park, California. Original photographers unknown.

CA-173-29 EAST FRONT, ABOUT 1965, LOOKING SOUTH.

CA-173-30 ROOM 40 INTERIOR, ABOUT 1965, LOOKING EAST. COMPARE TO CA-173-14.

CA-173-31 SCIENTIST BRENT DALRYMPLE ADJUSTING MASS SPECTROMETER VACUUM FLIGHT TUBE, 1971.

CA-173-32 SCIENTISTS ALLAN COX (SEATED), RICHARD DOELL, AND BRENT DALRYMPLE AT CONTROL PANEL, ABOUT 1965.

CA-173-33 COX, DOELL, AND DALRYMPLE AT CURIE BALANCE, ABOUT 1965.

CA-173-34 R. DOELL AND B. DALRYMPLE ADJUSTING RUBENS COIL, ABOUT 1965.

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ADDENDUM TO: HAER CA-173
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Photographs no. HAER CA-173-1 through HAER CA-173-34 were previously transmitted to the Library of Congress.

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Lowell W Kohnitz, photographer, 1963

CA-173-35	View of Building No. 9B looking north, at the south entrance to the Rock Magnetics Laboratory.
CA-173-36	Three members of the Rock Magnetic Laboratory's support staff (Major Lillard, Alice James, and Bernard H. Pflaum) in front of the south entrance to the lab.