Inventory of the University of California Cooperative Extension, Monterey County Photograph Collection

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Abstract: The collection contains photographs and negatives of dairy, swine, beef, and poultry buildings and equipment, the majority of which were located at UC Davis.
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Scope and Content
The collection contains photographs and negatives of dairy, swine, beef, and poultry buildings and equipment, the majority of which were located at UC Davis.
Arrangement of the Collection
Indexing Terms
The following terms have been used to index the description of this collection in the library's online public access catalog.
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Dairy farming--Pictorial works
Swine--Pictorial works
Cattle--Pictorial works
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Access
Collection is open for research.
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Series 1. Instruments 1948-1966

Box 1:1
Gier Directional Radiometer in Use (2 different views) 1950 May

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Instruments used in measuring heat lost from surface of animals, Davis. (A) heat flow meter with handle, for convection losses. (B) heat flow meter in moisture proof envelope for condition losses. (C) Hardy radiometer. Note: This photo used as Figure 2 in paper "Effect of Environment on Heat Loss from Swine". 1948 June

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Art Adrian Hog Ranch - Escalon, Calif. Visited with Cleaver. 1954 September 30

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Art Adrian's - Escalon, California. Some are mine and some are Don Holt's. 1961

Dairy Stuter - Imperial Valley Calif. 1957

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Paul M. Gludd, Beef Cattle. Calexico. Feeding about 750 cattle. 6 pens 190 x 100, 4 pens 80 x 100. Work yard, cattle scale, truck scale, good feed mill and grain storage, feeding green chopped hay. Trench silo. 1952

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L. D. Cady, Beef Cattle. Brawley, California. Feeding about 300 cattle. Open air feeding and grinding operation. 1952

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Kershaw and Sons, Beef Cattle - Brawley, California. Large feed mill. Concrete brick bunks of blocks 4 x 7 1/2 X 12. 1952

Anderholt Feed Lot, Beef Cattle. - El Centro, Calif. 1955 August

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Hogs under aluminum "dog-eared" shade, Davis, California. 1949 June

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View from northeast showing hogs lying in shadow of shelter in pen No. 4 of the housing experiments of 1948. Corner of 4x6 wood platform shown on right. Davis, California. 1948 September 29

Box 6:9

Two 6 by 6 shades made from sisal-kraft panels mounted on one fence post. Davis, California. 1950 May

Box 6:10

Hogs digging in cool moist ground. Davis, California. 1950 May

Box 6:11

Pens Nos. 1, 2 and 3 of hog housing experiments carried on at Davis in summer of 1948. Pen No. 1 has dirt lot, pen No. 2 has concrete lot, and pen No. 3 has concrete-paved lot with evaporation cooler in shelter. Post with radiometer and globe thermometer shown near center of picture. 1948 September 29

Box 6:12

Hogs lying in shadow of hip-roofed aluminum shade at 12 noon. Air temperature 70 degrees F. Davis, California. 1948 September 29

Box 6:13

Flat hip-roofed hog shades with corrugated aluminum sheets, 7' high. Globe thermometer shown suspended from roofs. View taken from southeast at 12 noon. Air temperature 70 degrees F. Davis, California. 1948 September 29

Box 6:14

Uncooled water tank with shade in place. Imperial Valley Field Station. 1950 May

Box 6:15

Two very special bull on Hunt Ranch being used in breeding experiments with heat tolerant cattle. El Centro, California. 1949 April 26

Box 6:16

Cattle standing under shade covered with 1" x 10" boards spaced 1" apart. Air temperature 103 degrees F. and ground temperature in shadow 104 degrees F. In unshaded strips between board shadows, ground temperature was 148 degrees F. High ground temperature may be reason for cattle not lying down. El Centro, Calif. 1946 August

Box 6:17

Roto-Cooler - Several views of I.C.D. Roto-Cooler borrowed from Cascade Metals Corp., San Jose, Calif and tried at Imperial Valley Field Station, 1952. Water fed to a rotary wire brush, mounted vertically. Produces fine spray, the size and throw depending on size wheel. Wheel shown here is 12" dia. and requires 1 hp. 1952

Box 6:18

Cattle douser, from north. El Centro, California. 1950 August 20

Box 6:19

Cattle under shade #3, sprays in operation. El Centro, Calif. 1948 August

Box 6:20

Cattle lying in shadow of bay-covered shade. Air temperature 102 degrees F. and ground temperature in shadow 99 degrees F. El Centro, Calif. 1946 August
Box 6:21

Evaporation Tower - cool drinking water. 1950

Box 6:22

"Cooled drinking water cows". Evaporative cooling in background for cooling drinking water for cattle. Imperial Valley Field Station, El Centro, Calif. 1951 August

Box 6:23

Herefords drink cooled water. Imperial Valley Field Station 1950 May

Box 6:24

View of water cooler, water meter and thermograph on cooled water tank. Imperial Valley Field Station. 1950 May

Box 6:25

Herefords feeding. Remodeled shade of pen #1, before walls were added, in foreground. This shade was later used for tests with evaporative cooler. View from the southwest. Meloland Field Station. 1948 June 12

Box 6:26

View of Herefords feeding in pen #2. Meloland Field Station. 1948 June 12

Box 6:27

Animal standing under cattle "douser". View from south. Low and high shades in foreground. Imperial Valley Field Station, El Centro, Calif. 1949 August 24

Box 6:28

Cattle under shade #1, having evaporative cooler and walls of old hay. Two Herefords and one Bradford. El Centro 1948 August

Box 6:29

Potentiometer and small thermocouples used to obtain continuous records of air temperature beneath high and low shades. Ice pot being filled. Brown potentiometer is in background. Micro weather station in center of picture. El Centro, California. 1949 August 24

Box 6:30

Beet top trench silo before covering with straw and dirt. Imperial Valley Field Station. 1950 May

Box 6:31

Shade 10' x 16' boards spaced 1 inch apart. Viewed from northwest. Imperial Valley Field Station. 1947 July

Box 6:32

Small motor generator set used to provide electrical energy operating desert cooler on shelter in background. Imperial Valley Field Station. 1948 August

Box 6:33

Closeup of shade No. 2 showing sprinklers in position on galvanized iron sub roof. Meloland Field Station. 1948 June 12

Box 6:34

Looking up at spray nozzle under aluminum-covered shade. Imperial Valley Field Station. 1947 July

Box 6:35
Prize Brahma Stock on Hunt Ranch being inspected by members of Livestock and Pasture Day tour. El Centro, California. 1949 April 26

Box 6:36

Shades and Hereford feeders at Pacific Lard and Cattle Co. feeding plant. Imperial, California. 1949 April 26

Box 6:37

Small locomotive used for hauling beet pulp at Holly Feed Yards and Pit Silo. Note that this is not one of the automatic distributing cars. Woodland, California. 1946 September

Box 6:38

Beet pit silo near Woodland California owned by Holly Sugar Co. This silo is 500 ft. in diameter, 15 ft. deep lined with 2 by 4’s on edge. This view shows ramp for drag line used for filling cars with the pulp outside of the pit. This is located on East side of silo. View 1. Woodland, California. 1946 September

Box 6:39

Automatic car used for distributing silage to feed bunks in beef feed yards adjacent to Holly Pit Silo. Woodland, California. 1946 September

Box 6:40

Tower at the center of Holly Beet Pit Silo used for delivering and spreading silage from sugar plant about 1 mile away. Woodland, California. 1946 September

Box 6:41

Looking west from drag line ramp across silage in Holly Pit Silo. Woodland, California. 1946 September

Box 6:42

Close up of steel wall reinforcing for solid concrete houses. D. St., Davis, California. 1949 June

Box 7:1

Fig. 1 View of practically constructed dairy barn and milk house on Henry Eilmoroni ranch at Petaluma, Calif. Concrete slabs were poured flat on ground and raised into vertical position with derrick. The derrick shown was used for lifting the large slab on end towards camera; small derrick on Ford truck used for other slabs. This view from east. undated

Box 7:2

Fig. 8 Closeup of pilaster form shown also in Fig. 2. Widest plank held 2 inches away on slab on outside by spacers so finished pilaster will project 2 inches. undated

Box 7:3

Feed bins under construction—made from war surplus corrugated culvert (?). Commercial mill at Brawley California. Brawley, California. Two views. 1951 August

Box 7:4

Fig. 10 View from gutter alley, looking across 6 foot alley to milk house. This slab was dropped about 15 feet when chain broke. Only damage is big chip out of bottom edge, where it fell across foundation, and crack along electric conduit. undated

Box 7:5

West edge of Holly Beet Pulp Silo showing slope of wall and flow of pulp from center towards wall. Woodland, California. 1946 September

Box 7:6

Car being filled with silage by drag line at Holly Pit Silo. View 2. Woodland, California. 1946 September
Fig. 9 Steel frame window in place, from outside, Slab was poured around window. A very neat job. undated

Wind tunnel--built by Bob Lorenzen as single-pig wind tunnel. Wind velocities to 20 mph. 1954

Instruments-- 1-day test with Goss. Test with John Goss, when I set up colored and black globes, 2-ball, etc for his radiation study. At weather station, Davis, California. 1954

Weather Station. University weather station. -- El Centro. undated

2-ball radiometer. Two ball radiometer--Gier and Dunkle. 1954

Micro-Weather Station developed by Brooks and associates, Davis, California. 1953

Solarimeter with Flat Plate 1955 August


Flat Plate Radiometer. Flat plate radiometer made by Gier and Dunkle, Oakland. undated

Patch of clover about 2 inches high on practice football field used for determining surface temperature with the touch thermacouple shown. This ground had been watered one week previously. Davis, California. 1949 May

Odds and Ends 5x7 undated

Looking south down litter alley of stanchion barn used for housing cows in regional dairy housing project. Part of this barn also used as milking parlor for cows housed in open shed. Logan, utah. Note: Bassett has negative. 1948 October 14

View of regional dairy housing project lounging barn, taken from top of bull barn. Logan, Utah. Note: Bassett has negative. 1948 October 14

Looking out of lounging barn used in regional housing project. This building faces east. Logan, Utah. Note: Bassett has negative. 1948 October 14

Interior of war surplus metal building at Utah State College, showing 2x4 frame work fastened with timber connectors. Logan, Utah. Note: Bassett has negative. 1948 October 14
Box 7:22

Earthquake Damage. Several Views of earthquake damage at Tehachapi, California summer 1952. Many adobe residences down. Only one frame building down and that was an old warehouse with masonry walls. Most damage was to masonry structures, especially brick and adobe. 1952

Box 7:23

Trench silo for sugar beet tailings (small roots, tops, weeds, etc.) on Pacific Lard and Cattle Co. feeding plant. Trench 4 feet deep and 100’ long. Waste sacks line sides. Tailings covered as soon as possible or beets will be slimy and turn black when brought into air. Silo holds 2,000 tons. There is 40% moisture loss in storage. Tile under pit (1 1/2 " slope per 100 feet) drains into old sump. Manager thinks gravel would be better than tile. Imperial, California. 1949 April 26

Box 7:24

Train of two loaded cars transporting beet pulp silage from silo to feed yards. Woodland, California 1946

Box 7:25

Bob Givens' - Tifton, Georgia. 1962 Summer

Box 7:26

Farmers truck being filled with beet pulp at south entrance of Holly Pit Silo. Distributing tower shown in background. Woodland, California. 1946 September

Box 7:27

Fig. 12 Concrete in bucket lifted to plate, along with man, by tractor shovel a s piece of farm equipment. Note vent under window of milk house, easily formed when slab is poured horizontally. undated

Box 7:28

Fig. 11 Tamping concrete in pilaster after pouring from top, out of bucket. undated

Box 7:29

Fig. 5 View of foundation, showing 4 inch groove to receive slab. This opening is one of feed room doors. undated

Box 7:30

Fig. 6 Southwest corner of building showing projecting rods welded together at corner, and also between two side slabs. Note 2 x 4’s nailed to plates, across corner, to hold slabs in position. undated

Box 7:31

Removable, re-usable ply wood forms for walls and chimney in place for pouring solid concrete houses. D. St. Davis, California. 1949 June

Box 7:32

Fig. 4 Barn from north west. Note rods across doors, which will later be cut out. Braces to hold wall plumb are kept from slipping on wall by block nailed to wood plate, which was one side of the form. Slabs were poured on boards laid flat on ground near camera. undated

Box 7:33

Slab floor and steel reinforcing for walls in place of solid concrete houses. D. St. Davis, California. 1949 June

Box 7:34

Fig. 7 Closeups of corner detail. This is inside barn, looking at corner of one of feed rooms. Rods extending out of side of foundation will tie into floor. undated

Box 7:35
Fig. 3 View of barn from west looking east through main west door. There are two feed rooms on this end of barn, one on each side of main door. Each field room also has door opening on west, as well as into feed alley, inside of barn. Ground in foreground will all be paved to keep cows out of mud. undated

Box 7:36

Fig 2. View of barn from south. Note space between two slabs on left and vertical planks in position over joint between next pair of slabs, ready to receive concrete. undated

Box 7:37

Basalt house being erected on farm of Dr. peoples, west of Davis. 1953

Box 7:38

Miscellaneous undated

Box 7:39

Pole Frame Barn on University of Calif. Campus. Doane Plan. 1953 November

Box 8:1

Potato Harvest, Bakersfield, California. 1953 May

Box 8:2

Tomato Field. Young tomato field protected by orchard heaters on Highway 99 near Merced. 1953

Box 8:3

Sow and litter in pen on G.B. Achevillo hog ranch. Brawley, California. 1949 April 26

Box 8:4

Type of sow used on G.B. Achervillo's hog ranch. Sows are left on pasture until a few days before farrowing and are then driven into pens and left until weaning time. Pigs are then trucked to garbage feeding plant at San Diego. Brawley, California. 1949 April 26

Box 8:5

Larger pen at end of pond on G.B. Achervillo's ranch for stock other than litters. Brawley, California. 1949 April 26

Box 8:6

View of cooling pond on G.B. Archevillo hog ranch. Pond 75' x 700' x2' deep, with 8' wide "beaches" or ramps for each litter. Both sows and litters could wet themselves. Water is changed once peer week. Between 200 and 300 sows at this ranch, all cared for by one man. Brawley, California. 1949 April 26

Box 8:7

View from toward pens and "beaches" on G.B. Achevillo hog ranch. Each side of 700 feet pond lined solidly with these pens. Brawley, California. 1949 April 26

Box 8:8

Looking towards pond on G.B. Achevillo's hog ranch. Pen 8 feet wide and 16 feet long. Note fence to prevent animals swimming away from own section of "beach". A 2" x 6" is set across pen to keep very small pigs from rolling into water. Brawley, California. 1949 April 26

Box 8:9

Old Adobe Hog Ranch - Visit with C.F. Kelly to hog ranches. 1952 January

Box 8:10
Float, Micro-switch, Magnetic valve and Water meter on uncooled water tank. Imperial Valley Field Station. 1950 May

Box 8:11

Shade No. 3 before burlap sub roof was tacked in place. Sprinklers in position. Meloland Field Station. 1948 June 12

Box 8:12

Hay-covered shade, 10' x 16'. Viewed from northwest. Imperial Valley Field Station. 1947 July

Box 8:13

Two portable hog shades, 12'x12', used in comparing shades on bare ground and on pasture. El Centro, California. 1951 August

Box 8:14

Cattle resting under low shade - 3:00 p.m. Meloland Field Station. 1948 June 12

Box 8:15

Cattle under shade #2, having lower roof of galvanized iron, cooled by water sprays. Upper roof of old hay. El Centro, Calif. 1948 August

Box 8:16

Cattle resting under high shade - 11:00 a.m. Meloland Field Station. 1948 June

Box 8:17

Cattle resetting under high shade - 11:00 a.m. Meloland Field Station. 1948 June 12

Box 8:18

Microweather station, including anemometer, globe thermometer, ground temperature speed, atmometer, and hygrothermograph. El Centro, California. 1949 August

Box 8:19

Heat tolerance test cattle. El Centro, California. 1950 August 20

Box 8:20

Set-up for obtaining air temperature at various levels of low shade. Note micro weather station. Imperial Valley Field Station. 1949 August 20

Box 8:21

Plain galvanized iron shade left the same in 1947 experiments for check purposes. Pen #3 and its shade shown in background. Pile of chopped hay outside of corral. Meloland Field Station. 1948 June 12

Box 8:22

Beef cattle under shade “equipped” with sprays. Imperial Valley Field Station, El Centro, Calif. 1951 August

Box 8:23

Four Brahman steer used in teest of amount of water drank. Imperial Valley Field Station, El Centro. 1950 August

Box 8:24

Lo[w]ered shade from S. W. corner. Imperial Valley Field Station. 1949 August 20

Box 8:25

Cattle “douser” from west. Imperial Valley Field Station. 1949 August
Box 8:26

View of cattle “douser” from N.W. High and low shades in background. Imperial Valley Field Station. 1949 August 20

Box 8:27

Shade, 10' x 16' covered with tarnished galvanized iron. Viewed from northwest. Imperial Valley Field Station. 1947 July

Box 8:28

Cattle “douser” from N. W. High and low shades in background. Imperial Valley Field Station. 1949 August

Box 8:29

Cattle Feed Bunk - Two vies of cattle feed bunk used on Imperial Valley Field Station. Imperial Valley Field Station. 1952

Box 8:30

View of shades and corral at the Imperial Valley Field Station. El Centro, California. 1947 June 26

Box 8:31

Heat tolerance test cattle; Bradford in foreground. El Centro, California. 1950 August 20

Box 8:32

Close-up view of cattle “douser” from N.W. Hereford steer is taking a shower. Imperial Valley Field Station. 1949 August

Box 8:33

Shade covered with aluminum sheets, showing spray nozzles beneath roof. From northwest. Imperial Valley Field Station. 1947 July

Box 8:34

Cattle “douser” operated by photoelectric cell. Irrigated pasture in background. Imperial Valley Field Station. 1949 August 25

Box 8:35

Herefords under high shade at 11:00 a.m. Meloland Field Station. 1948 June 12

Box 8:36

Shade #2, with sprayers in operation. El Centro, Calif. 1948 August

Box 8:37

Portable hog shade, 12' x 12', aluminum covered, over green pasture--used in tests comparing two shades, one over bare ground and one over pasture. Imperial Valley Field Station, El Centro. 1951 August

Box 8:38

Corrosion on aluminum sheets on Farries poultry house. Farries Poultry Ranch, Baldwin Park, California. 1950 May

Box 8:39

Beef cattle heat tolerance study. Braford, Shorthorn, Brown Swiss, Hereford and Brahman cows under shelter. Rectal and skin temperatures recorded on Brown 16-point potentiometer. Imperial Valley Field Station, El Centro. 1951 August

Box 8:40
Microweather station and small thermocouples for measuring air temperature stratification, under low shade. El Centro, California. 1949 August

Box 8:41

Cattle under shade #4 (galvanized iron). El Centro, Calif. 1948 August

Box 8:42

View of Cattle “douser” from west. Note that chute is constructed over irrigation drainage ditch so that waste water can be carried away. Light source is mounted on post this side of chute. Imperial Valley Field Station. 1949 August

Box 8:43

Dirt lot with shelter used for pen No. 1 in hog housing experiments of 1948. View taken from south. Davis, California. 1948 September 29

Box 8:44

Cooling air by drawing it through 6’ underground tile system. 660 cfm through 121 feet of drain tile cooled as much as 32 degrees when outside temperature was 109 degrees F. Imperial Valley Field Station, El Centro. (2 different images) 1951 August

Box 8:45

Cooling air by drawing it through 6’ underground tile system. 660 cfm through 121 feet of drain tile cooled as much as 32 degrees when outside temperature was 109 degrees F. Imperial Valley Field Station, El Centro. (2 different images) 1951 August

Box 8:46

Two portable hog shades, 12’ x 12’, used in comparing shades over bare ground and over pasture. Imperial Valley Field Station, El Centro. 1951 August

Box 8:47

Cattle under shade #4, old galvanized iron. Herefords and Bradfords. El Centro, Calif. 1948 August

Box 8:48

Cattle Pens. El Centro. 1956