### Inventory

<table>
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<th>1-18</th>
<th>E. R. Jackman and <em>The Oregon Desert</em> publicity, ca. 1964:</th>
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<tr>
<td>1</td>
<td>Close-up of E. R. Jackman leaning against a fence (see also 12x17 &amp; 16x20 oversize boxes)</td>
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<td>2</td>
<td>Jackman writing</td>
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<td>Jackman at Albany Kiwanis Club podium</td>
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<td>Jackman in a field</td>
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<td>Jackman with a horse and colt</td>
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<td>Jackman in a field by a fence</td>
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<td>Jackman with cattle, silos in background</td>
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<td>Jackman with horse</td>
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<td>Jackman leaning on a fence post</td>
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<td>Jackman and Art Jaeger</td>
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<td>13-16</td>
<td>Parade float advertising <em>The Oregon Desert</em>, Sept. 1964 (color prints)</td>
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<td>17</td>
<td>Bill Hall, E.R. Jackman, Bill Cyrus</td>
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<td>Jackman and three other men with the book <em>The Oregon Desert</em></td>
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<td>19-26</td>
<td>Horses</td>
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<td>29-53</td>
<td>Range improvement; William Currier, Rube Long, E. R. Jackman</td>
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<td>54-62</td>
<td>Reub Long</td>
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<td>63</td>
<td>Reub Long and E. R. Jackman in front of a church, 1962 (color slide; see P89:565 for b/w copy negative)</td>
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<tr>
<td>64</td>
<td>Reub Long and E. R. Jackman (color slide; see P98:38 for color print)</td>
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**65-103 Cattle ranch pictures:**

| 65   | Bailing hay |
| 66   | Stacks of hay bails |
| 67   | The Venator ranch is typical of many. Isolated, shaded by lombardy poplars, bay lands along the creek, a reservoir to store winter run-off, surrounded by range lands for miles |
| 68   | Branding irons |
| 70   | Starting the pack on one of Reub Long’s horses (photo by Jones Studio, Lakeview, Oregon) |
| 71-72| Cattle drive (photos by Joe Van Wormer, Bend, Oregon) |
| 76   | Blacksmith |
The bell is rung at an Eastern Oregon ranch house and the family and hired hands gather at meal time.

Corral fence made from willows from a nearby stream.

This cave was carefully explored and sandals were found buried under volcanic dust. They were nearly 10,000 years old.

Meat house on Harney County ranch.

Jack rabbits undercutting hay in winter.

The only supply of water in the desert east of Bend is from windmills. On Reub Long's holdings there are no streams or lakes; 1937.

Hole is middle of alkali lake bed. Ft. Rock in background.

Quarter Circle 'U' Ranch in Big Horn County, Montana, June 1939 (photo by Arthur Rothstein, Farm Security Administration).

Herding cattle (photo by Harmon, Agricultural Adjustment Administration).

Branding calves on Eastern Oregon ranch (Oregon Historical Society photo).

Branding on Harney County ranch.

Eleanor Long, left, and Reub with some neighbors gather to move some of Reub's cattle (photos by Joe Van Wormer).

Cattle moving from winter feed grounds in spring to range in Harney County.

Cattle in the distance trailing from the range to the hay meadows in Harney County.

Cattle feeding on hay in corral.

The "drag" take more effort than all the rest of the herd.

A large outfit in Harney County is moving their cattle from range to meadow. This process of moving livestock to follow the grass has been going on since Biblical days.

Pond made by catching run-off water when the snow melts (photo by Harmon, Agricultural Adjustment Administration).

Completed yellow pine trough. This trough has a ten-foot water space and 100 gallon water capacity. It is 20 inches wide, 14 inches deep, and 10 feet long. The average length of time spent on construction is 16 man hours per trough. This time is inclusive from the first step in falling the tree until the final work has been completed. It is four miles south of Gibbon, Umatilla County, Oregon; January 14, 1936.

"Shootin' the Breeze;" cowboys on horses (photo postcard by H. H. Sheldon).

Meat type and performance is what cattle are selected for on the A Bar L (Williams') ranch and other ranches in Grant County.

Scales change the picture from number of cattle to pounds of beef produced on the J. W. Southworth ranch near Seneca, Grant County, Oregon.
Marcus Haines trailing his high quality cattle to summer range. He ranches on Blitzen River near the big wildlife refuge.

Two men holding rope for cattle branding.

Old barn on the Whitehorse Ranch. Wind vane is a white horse; 1899.

An everyday scene in Burns at the turn of the century; shows Voegtly Hardware store.

Old time cowboy back in the former century.

Bunch of early cowboys near Silver Lake.

Notices for publication.

"Buy Oregon Salt" advertisement.

Notice for publication.

C. L. Robinson, dairy farmer, and daughter Jane in Tillamook, Oregon.

Cow with two calves.

Range cattle on desert with Steens Mountain behind (OHS photo).

Cattle drive, 1927.

Cattle branding, ca. 1890s.

Cowboys eating while on the drive.

Bringing in supplies by horseback near Steens Mountain.

Camp in Steens Mountain.

Group of cowboys in Paisley in front of Pioneer Saloon, ca. 1900.

Wagon in front of "Lakeview House," ca. 1890.

Starting to hay on ranch in desert, done with horses.

Coyote Jack, an old time noted "varmint" trapper in Harney County.

Old bridge at north end of Silver Lake with Table Mountain in background.

Hauling wool out of Burns, ca. 1900.

Old time sheep shearing scene.

Sheep killed as a result of the Lake County Range War.

Shearing sheep in Umatilla County, ca. 1900.

Rabbit drives, Burns.

"Bounty Petitions Approved" newspaper article. Jack rabbits were one of the many desert hazards. Harney County put a bounty of 5 cents a head, but the county court, alarmed, soon removed it, for it would soon have bankrupted the county.

Teaming in desert of Nevada in 1910.

Hauling water in the desert.
135 Freighting wheat
136 Jerk line freight team of Mr. Down of Lakeview. Eight horses, three wagons, driver
    rode the left or "near" wheel horse (Lake Co. Museum photo)
137 Combine in Wasco County. Deschutes River on right and Columbia in background,
    ca. 1920 (Photo by Markham, The Dalles)
138 George Strachan's combined wheat harvester and thrasher, Sherman Co., ca. 1910
    (photo by W. A. Raymond, Moro; see also P89:394 & 12x17 oversize box)

139-144 Miscellaneous camps, teams
145 Silver Lake Reds baseball team, ca. 1900 (photo by Matthews, Lakeview)
146 Ad for Lakeview Abstract & Title Co.
147-161 Sheep, shelters, on the range, in the desert

162-215 Photos of desert grasses and range conditions. Includes Bert Hawkins, Reub Long, and E.R. Jackman:
162 Recovery of nomad plants after 7 years of pasturing "out-of-sight," June 1952
163 Crested wheat grass
164 Edge of desert, road in left foreground
165 Typical desert spot, not much grass
166 Desert in northern Lake County
167 Observational grass nursery at an elevation of 4500 feet. Elevation has a marked
    effect on the value of different species for erosion control. Umatilla County,
    May 27, 1938 (photo from Soil Conservation Service)
168 Blue grass original 10 acre field hand planted in 1953. Seed yield 840 pound per acre
    in 1954
169 Potato? field being irrigated, ca. 1930
170 Hughes Livestock Company Ranch, Morrow County. Alfalfa grass improved range
    on left. Unimproved range on right, June 13, 1957
171 Inspecting grass
172 Orchard grass seed crop grown on the Clackamas County farm at Mt. Pleasant
173 1928 growth of agropyron cristatum; seed sown May 4, 1927
174 Broken fence (nitrate negative)
175 Desert picture taken from car window, 1961
176 Bert Hawkins is proud of this excellent bunch grass stand. This is in about a 10 inch
    rainfall range country (Vale, Malheur County)
177 Large fenced range seeded to crested wheat grass, Squaw Butte, 1954
178 Garfield County overgrazed and properly grazed range 5 miles southeast of Pomeroy
as they occur on either side of a fence. The properly grazed range show the vigorous stand of bunch grass has been practically destroyed; March 1938 (SCS photo)

Central Oregon project, Gordon field west of camp. Crested wheat seeded 1937, grazed this season to an average height of seven inches. Only cattle on field this season. Redmond, Oregon, Sept. 10, 1942

Madras L. V. project, fair Juniper sagebrush, April 2, 1942 (photo by W. T. White)

The high desert area. This is typical of the vast "Great Basin" which has no outlet to the sea, comprising central and southeastern Oregon, nearly all of Nevada and Utah, part of California, Southern Idaho, and small portions of Wyoming and Arizona. Crested wheat grass is the only crop which will succeed on millions of acres of this high arid desert country

Native bunch grass roots (left), crested wheat roots (center), cheat grass roots (right).

This shows why an annuals, such as cheat grass, is less productive in poor years than a perennial

Art Sawyer, left, Roscoe Bell, 1953

Silver Lake unit; October, 1959

Following range fires, as in this picture, the land should be seeded to grasses or grass-

alfalfa to prevent erosion and keep unwanted weeds and shrubs from taking the area

Area sprayed in spring 1958; high kill of sage, Oct. 1961

Long allotment; Juniper has come in since 1939; 1961

Reub Long allotment

On the Eleanor Long ranch, November 1961

Car driving along desert road (see 16x20 oversize box)

Overgrazing vs. under grazing along John Day Highway, 1955

First cutting of alfalfa irrigated by run-off

Well cared for range on left, eaten on right of fence

Winter pasture on the desert, November 1961

Typical desert vegetation: sage brush, rabbit brush, a few animals, not much grass

Cow in pasture (Nebraska?)

Reub Long allotment; desert pasture with rabbit brush growing out of cracks in rocks

H. A. Schoth (left), agronomist with the U.S. Department of Agriculture at Corvallis,
discusses seed production with Charlie Hoover (right) in a field of ladino clover, 1950

Seeding crested wheat grass helped this range; unseeded part on left, 1954
Fence with wheat growing on one side; range land on the other, ca. 1930
Reub Long
Reub Long ranch where range fire burned 10,000 acres
Clover? spreading via runners
Brushy range where grasses are weak. No livestock on this range for over 20 years.
First step to improve such a range is to get rid of sagebrush, May 6, 1954
Wheat field?
Fort Rock L. U. Project. Area covered with rabbit brush and sage. Typical of a large area in this portion of the project. Redmond, Oregon, September 1942
Burned over grazing land west of Deschutes River, September 1939
Desert plateaux, ca. 1915

Indian artifacts (part of Reub Long's collection):
Pictographs and Indian writings
Arrowheads from Reub Long's collection
Stovepipes from Fort Rock area, collected by Reub Long
Stone utensils-knives, spearheads, etc.
Sandal nearly 10,000 years old; found in a cave on Reub Long's ranch
Cowboys at entrance to Reub Long's cave where sandals were found
Entrance to cave
Rocks which show how Indians used weights to hold down their tepees around the edges while hunting in the winter
Paiute Indians in and around Burns, Oregon (photo by Bob Lemons Studio, Burns)

Deserted homestead and ghost town:
Fred Wright in abandoned desert shack
Mounting block used to help ladies step into buggies or mount sidesaddles
Windmill at Fremont, on the Reub Long Ranch
Homemade device for hanging up a beef for home use
One of Reub Long's bulls at the ghost town of Fremont
Deserted homestead surrounded by windblown soil, fifteen miles south of Boardman in Morrow County, May 1937 (Soil Conservation Service photo)
Tumble down homestead shack near Fort Rock, ca. 1962
Remnants of old barn in snow, near LaPine
Abandoned homestead, 1962 (photo by Merritt Parks)
Abandoned log homestead
Abandoned homestead in Morrow County
257 Fence

**258-280 Game, birds, and fish:**
258 Wild geese in a harvested rye field north of Lakeview
259 Horned owl near Fort Rock
260 Young eaglet
261 Golden eagle, newly hatched, on Cougar Mt. near Fort Rock
262 Wild geese, Harney County
263 Desert hawk
264 Young magpies
265 Desert grouse (photo by Joe Van Wormer)
266 Fish displayed, taken from Donner & Blitzen River near Steen's Mountain
267 Porcupine
268 Rodent
269 Coyote
270 Golden mantle
271 Bobcat in snow
272-280 Deer and antelope (several photos by Joe Van Wormer)

281 Marshall Churchill, front center, with men from saw mill, Western Cooperage Co., Olney, Oregon, ca. 1914
282 "Big Sam" with wife, Caroline, and son, Sam
283 "Big Sam," second from right, and a big log, Western Cooperage Co., Olney, Oregon
284-285 Saw mill, Burns, Oregon? (photos by Bob Lemons Studio, Burns)
286 "Beaver slide" in action. Cheapest way to stack hay
287-298 Juniper trees (several images)
299 Windmill
300-301 Hart Mountain, Lake County
302 Highway next to John Day River, ca. 1925
303 John Day River
304 Steens Mountain
305 Malheur Cave, Harney County
306 Corrals near Steens Mountain
307 Blitzen, Oregon (Catlow Valley), west side of Steens Mountain, ca. 1915
308-310 Fort Rock
311 Geyser at Lakeview, Oregon
312 Crump Geyser, Lake County, at the foot of Hart Mountain
313 Geyser at a hot springs near Lakeview
314 Barbed wire fence, Navajo County, Arizona, Sept. 1937
315 Cross fence dividing a large pasture, Morrow County, July 1938 (SCS photo)
316-317 Abert Rim, Lake County
318-320 Pasture Rock, 1962 (photos by Merritt Parks)
321-325 Lava flows and ice cave
326 Kiger Gorge, near Steens Mountain; only example of glaciation in SE Oregon
(State Highway Commission photo)
327 Rim of a “blowout” (crater), 1962 (photo by Merritt Parks)
328 Rim rocks in eastern Oregon
329 Willow Creek coming out of hills onto the desert, Abert Rim
330 Water behind the dam in Snake River
331 Smith Rocks State Park, by the Crooked River near Redmond (State Highway Department photo)
332 Goose Lake, California (color postcard)
333 East Park Feed Canal diversion dam, part of the Orland Project, California
334 Scene in Blitzen, Oregon
335 Crater northeast of Christmas Valley (photo by Betty Morehouse)
336 Lakeview-Burns Highway
337 Face of a rock rim on the desert with Juniper trees above
338 Hole in the ground 300 feet deep and 1 mile across
339 Mt. Adams, Washington (photo by Benjamin A. Gifford, 1910)
340 Polluted recreation site
341 Person in a boat on the river (photo by Wes Taft, Jr.)
342 Cattle on range; rim rock in background
343-344 Desert scenes
345 Fort Rock
346 Carrying the mail to Blitzen, ca. 1900
347 Hauling supplies in Baker County, ca. 1875
348 Homesteading in Harney County, ca. 1912
349 W. S. Richards, known as "White Horse Daddy," Burns, Oregon, March 1927
350 John Day River
351 All that's left of Fremont: fences and a windmill, 1962 (photo by Bud Parks)
352 Old time posse in Harney County
353 Cattle drive
354 Rim Rock country of Lake County, ca. 1940
355 Cattle gate
356 Tepee rings on Indian hunting grounds. Indians would piles rocks around the edges
   of the tepees to hold them down during fierce winter winds; near Lakeview
357 Devil's Garden
358 Dinner bell on Harney County Ranch
359 Sheep Rock along Oregon Route 19 north of Dayville; Fossil rock in contrast to cattle
   grazing along the bank and in the John Day River (State Highway Dept. photo)
360 Silver Lake unit running over a normally dry road with big juniper trees in its
Abert Rim, a 3000 foot high fault in the earth's crust
Approaching Steens Mountain, a fault over 9000 feet above sea level
Ft. Rock at R. A. Long Ranch
Picture of Gorge, John Day River in Grant County
County road in Harney County
Harney County, road to California
Part of Reub Long collection of Indian artifacts
Terraces on range land made with a caterpillar and terracer. Work was done in the
spring of 1937 on the J. J. Wells farm in Morrow County, Oregon (SCS photo)

Erosion:
Severe sheet erosion in walnut orchard in Washington County, Oregon, on
Olympic clay due to an unexpected cloudburst on June 13, 1936 (SCS photo)
Examples of erosion on hillsides
Severe washing in winter wheat on the Sheard farm in Umatilla County, Oregon. A
48 hour wash from a 40 acre drainage on a 5 percent slope cut this gully 8 feet
deep and 15 feet wide, March 1936 (SCS photo)
Erosion on George Harths slope, March 1940 (print & nitrate negative)
Erosion on Miller farm, Dufur, February 1940 (print & nitrate negative)
Ditches washed on hillside are the small ditches that were left by sod weeders making
a good place for runoff, February 1940 (print & nitrate negative)
Erosion on ground planted to wheat in fall of 1939, Feb. 1940 (print & nitrate neg.)
Gully in drainage way of summer-fallowed field caused by local cloudburst on August
31, 1937. It is estimated that approximately 3 inches of rain fell in less than an
hour.

Cover crop in Oregon orchard
Typical Western Oregon landscape including orchards, rolling hills, and fir forests
Pear orchard
Hybrid onions packed in crates in field to avoid bruising and to haste drying, 1955
Cherry orchard in Wasco County (The Dalles), ca. 1920
Three children eating watermelon in a watermelon field in Irrigon, Oregon, ca. 1930
Hand seeder in operation
388  Haying in Jackson County
389-390 Stackers used in haying
391  Alfalfa seed harvesting in Union County
392  Disc tiller plow used for sagebrush plowing, Fremont National Forest
393  Sagebrush removal, Lake County
394-396 Harvesting wheat by old horse drawn method, ca. 1900 (see also P89:138)
397  Discing wheat by old horse drawn method
398-399 Aerial spraying of sheep (missing)
400  Wagons transporting sacked wheat
401  Transporting wheat (probably Weatherford) by wagon to Arlington
402  Transporting wheat by wagon (photo by Ben Leghorn)
403  Martin Hansen's wheat teams at warehouse at Moro, Sherman Co., 1914 (photo by Will Raymond)
404  Wagons hauling wheat in the Columbia Basin
405  Wagons hauling wheat to warehouses
406  Hay stacker
407  Warehouse interior with sacks of wheat, 1946
408  Wheat harvesting with horses, Morrow County, 1924
409  Stacking hay, P. W. Hotchkiss ranch, Thomas Creek district, August 4, 1932
410  Stacking hay
411  Harvesting hay
412  "Off-set" disc is widely used in the west. Works well on deep soils without rock
413  30 inch disc plow used to chop up straw so that the rod weeder and drills won't keep
clogging up
414  Rebuilt three bottom, 16 inch plow, Pullman, Washington, Oct. 1935 (SCS photo)
415  Drill with packers, Squaw Butte, 1954
416  [removed from collection]
417  Cattle grazing, Herman Oliver ranch, John Day
418  Cattle grazing
419  Cattle grazing on irrigated alta fescue near Pendleton
420-424 Cattle (see 12x17 oversize box for #422)
425 & 427 Cattle in small feed lot, Harney County
426  Small feed lot
428  Cattle on the move
429  Moving cattle from fall and spring range to summer range
430-433 Sheep grazing
434-435 Sheep grazing by the ocean, Curry County
436  Sheep grazing in non-irrigated sub clover pasture in Willamette Valley (Clackamas County)
437  Unloading carload lots of wool at the plant of the Pacific Wool Growers in
Portland,
   Oregon (photo by Acme Commercial Studio)
438  Grading farm flock wool at the warehouse of the Pacific Wool Growers in
   Portland,
   Oregon (photo by Acme Commercial Studio)
439  Shipping at Coos Bay (photo by Coquille Studio)
440  McCullough Memorial Bridge at North Bend
441  Girl with dog fishing from dock
442  "Hunters" Boiling Geyser at Lakeview, Oregon
443-444  Face Rock at Oregon coast, Bandon
445  Coos Head Lighthouse (State Highway Dept. photograph)
446  Coastal scene, Curry County?
447  Myrtle trees border highways in Coos County (State Highway Commission photo)
448  Jagged rocks are the backdrop for this beach scene at Shore Acres State Park near
   North Bend (State Highway Commission photo)
449  Hedge bordered walks lead visitors into fragrant flower gardens at Shore Acres
   State
   Park where a large variety of exotic plants may be observed (State Highway
   Commission photo)
450  Looking north from Cape Sebastian State Park, ten miles south of Gold Beach
   (State
   Highway Dept. photo)
451  View of Cape Arago State Park (State Highway Department photo)
452  Shipping lumber at Coos Bay (State Highway Department photo)
453-454  Trees in Coos County (photos by Coquille Studio)
455-456  Logging, modern methods
457  Logging with oxen

458-460  Big tree on exhibit at the Centennial:
458  Finding the tree (photo by Coquille Studio)
459  Falling the tree (photo by Coquille Studio)
460  Hauling the tree

461-462  Meadow foxtail, Corvallis and Gaston
463  Bill Hall, E. R. Jackman, and Bill Cyrus checking alfalfa
464  Five year old Nomad, Harold Wright ranch, Hardman, Oregon, May 14, 1954
465  Checking Nomad
466  Harvey Elliott, Walter Stoneway?, and LeRoy Wright checking Nomad on Elliott
   Bros. ranch, Bridgeport, Baker Co., 1958
467  Joe Narkaus field seeded 1950, Umatilla County, June 1952
468  Jackman, Cyrus, and Hall checking alfalfa at Ben Dodson's place, Wamic, Oregon
469-470  Alfalfa grazing trial, Eugene Chase ranch, Dufur
471-472  E. R. Jackman and Kirk Day on Gavica Ranch in Paradise Valley, Nevada, June
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<td><strong>George Russell farm near Vale (photos by Harano Studio, Ontario):</strong></td>
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<td>Russell and Harry Saniquist (County Agent) examine alfalfa being cut for silage, 1953</td>
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<td>Trench silo, 1953</td>
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<td>Production of grass and legume silage operation, 1953</td>
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<td>Alfalfa seed bed on George Elliot-Ed Bradtl farm</td>
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<td>Home made land plane used on the Elliot-Bradtl farm to make firm seed beds</td>
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<td>479</td>
<td>Bill Currier inspecting seeding, 1956</td>
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<td>Grass nursery in Ukiah, Umatilla County, 1929</td>
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<td>482</td>
<td>Crested wheat grass</td>
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<td>483</td>
<td>Polycross bent grass for seed for Atlantic coast lawns and golf courses. Rows are in sets of three, each of which is a different strain. This increases proper cross pollination. These rows are all set out from material grown in greenhouses. One of the very few such fields in United States (Medford). Bohnert, left; Tucker, right</td>
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<td>Merion Bluegrass seedling planted spring 1955 with mechanical planter, Jackson Co.</td>
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<td>Lincoln Brome in Bert Haynes farm, June 1951</td>
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<td>Alta Fescue on Bert Haynes farm, June 1951</td>
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<td>E. R. Jackman and potatoes in field, ca. 1930</td>
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<td>Art King on right, in clover? field</td>
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<td>489</td>
<td>Grazing land</td>
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<td>Cover crop of oats and vetch in apple orchard just beginning to head, Santa Cruz Co., Cal. Vegetable cover is one of the best preventatives of erosion, March 1936 (SCS photo)</td>
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<td>491</td>
<td>Hairy vetch in Western Oregon</td>
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<td>492</td>
<td>Grass-legume nursery on George Barry ranch in Grant County Oregon, June 1954</td>
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<td>Intermediate wheat</td>
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<td>E. R. Jackman laying out a plot on A. Jaeger's farm, April 1945</td>
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<td>Ronald Elmes, Darrell Evans, Kermit Peterson (P.C.A.), and E. R. Jackman at Evans' farm in Mosier, 1952</td>
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<td>496</td>
<td>Oak trees and old homestead in Camas Valley, Douglas County</td>
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<td>Ken Gray, left, and Dr. D. C. Mote of Oregon Experiment Station checking results of weevil dusting in a field of Austrian winter peas</td>
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<td>Sagebrush control</td>
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<td>Rims (faults) in Lake County; cattle grazing</td>
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<td>Man with large fish (Bennett photo)</td>
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Man with dogs hunting bear, near Burns, Oregon

Coos County elk

Reub Long and Bob Moorehouse

Reub Long looking at field

Reub Long portraits (508 by Joe Van Wormer)

Fence line showing excellent range on one side and poor range on the other in Gilliam County, Oregon, July 1956 (photo by Lou Gilliam)

Good and poor uses of range

4-H Club livestock and owner

Men and horses taking a break in a pasture

Vic and Alice Johnson

Pasture on M. W. Mosely ranch near Halfway in Baker County, May 1925 (print & nitrate negative)

Pasture on B. F. Keist farm in Richland, May 1925 (print & nitrate negative)

Oregon Farm Bureau Distinguished Service Award to E. R. Jackman, 1957

Deer damage to juniper tree

Frank Ballard retirement banquet

Harvesting lotus major in Willamette Valley

E. R. Jackman at desk

Jackman standing

Homemakers festival in Multnomah County, 1958

Ray Novatny and E. R. Jackman at White Horse Ranch, Harney County, 1954

Cattlemen's convention and E. R. Jackman, Portland, 1952

Juniper tree

Nine bottom plowing outfit

Lytle, Jackman, Jidge, Richards, and Ray Hafsted

Alkali bee tanks in Umatilla County, Oregon, 1957

Erosion on range land

Sluice gate, ca. 1931

Smith Rocks as seen from Smith Rock State Park

Fencing used between main ranges on Squaw Butte

Potato cellar that houses "Deschutes Gems," potatoes remarkably clean and well shaped

Potato harvesting

Ukiah Old Grass Nursery at elevation of 4500 feet, Umatilla County. Elevation has a marked effect on the value of different species for erosion control, May 1938

Skiing (photo by Gambs Studio, Baker, Oregon)

Sagebrush removal via flaming

Left to right: Charley Parrish, Leighton Morgan and Kid Winters in 1896. Rode rough
string for Abe Hacklemen on Camp Creek. Parrish worked for Bill Brown

545 Paiute? Indians riding in a horse and buggy
546 Paiutes in the desert washing clothes (photo by R. W. Heck)
547 Reub Long, co-author of *The Oregon Desert*, standing by a float in Labor Day Parade
   in Lakeview, Sept. 1964 (color print)
548 Paiute Indians in Oregon desert
549 In the desert, wood is scarce. This sheep herder's shelter was made of twigs, others were made of rock or adobe
550 Old time cowboy of Harney Valley, ca. 1900. Bridle, tapaderos, and saddle are heavily ornamented with silver. John Devine used such equipment, as did many of his Mexican vaqueros
551 Bunch of early day cowboys near Silver Lake, ca. 1900
552 Shorty Hawkins in foreground with his horses
553 Homemade windlass for hanging meat on a Harney County ranch. These places customarily killed a mature beef animal a week for their own use
554 Branding irons
555 Reub Long
556 Cowboys on roundup, Wyoming?, ca. early 1900s
557 Hauling supplies in Baker County, ca. 1875
558 Antelope
559 Killed mule deer and two hunters near Burns, Oregon, ca. 1910
560 Antelope
561 Add from Paisley Oregon newspaper, "Buy Oregon Salt"
562-563 Final notice of homestead entry in Paisley, Oregon newspaper, 1915 & 1916
564 John Scharff, 1960s
565a Reub Long and E. R. Jackman, right, seeding Nomad crested wheat grass, Fort Rock,
   April 1954
565b Reub Long and E. R. Jackman in front of a church; 1962 (see P89:63 or P98:82 for
   color slide; photo by Robert W. Henderson)
566 [removed from collection]

567-651 **Pictures from *The Oregon Desert* (several are halftones of images elsewhere in the collection):**
567 Silver Lake baseball team. Left to right (back): Joe Long, Mike Hough, Rufus Cochrane, Gus Shroeder, unknown, John McCoubeach. Center: unknown, George Drum. Seated in front: Burt Goudy, - McCurley, Billy Southerland, ca. 1900
568 Indian pictographs on large rock in Lake County (see P89:217)
569 Desert scene leaving Burns
Volcanic craters east of Fort Rock
Reub Long and his sister Anna Long at ages 3 and 4 at homestead cabin in 1902
Reub Long and his sister Anna Long at homestead cabin in 1963
The Lou Long homestead cabin at Christmas Lake built about 1880
Cowboys; Reub Long on left, ca. 1910
The old Lou Long Homestead: Anna Long (Mrs. Leston Linebaugh), Reub A. Long,
    Mrs. Mary Long (mother)
Uncle George Duncan and Everett Long (Reub Long's elder brother) with Bugle the
dog
Rabbit drive, February 5, 1911
Abandoned homestead
Matrimony Vine growing on the side of old homestead. Homesteaders' wives used
dishwater and scrub water to keep them alive
Abandoned homestead
Published Notice required by law for proof of homestead ownerships
Fred Wright, longtime resident of Fort Rock area
Range horses with A. L. Brand
Horse runner crew in the days of wild horses. From left to right: Lyle Wood, Reub
    Long, Jim Schroder, and John Lutz, ca. 1925
Taking wild horses to market
Roping a colt
Starting to hay on the ZX Ranch near Paisley
Men and women help with the "buckaroo" jobs
Cattle drive on Reub Long's ranch
Cattle drive
Homemade windlass for hanging up meat
George Menkenmaier, world champion rider bronko-busting, at eight years old
George Menkenmaier at a rodeo, 1957
Sheep on Steens Mountain, 1961
Range war between sheeplemen and cattlemen results in death of sheep
Old time hand shearing of sheep
Sheep grazing on the desert
Indian artifacts owned by R. A. Long (see P89:227 and P89:228)
Cave on the R. A. Long ranch. It is now a national monument
Indian sandal and portions of others unearthed in the cave on R.A. Long's ranch
Indian pictograph in stone (see P89:216)
Sage grouse
Porcupine
Bobcat
A 4-point and a doe
Reub Long standing by seeding equipment, April 1954
609  Reub and Eleanor Long, ca. 1960
610  Reub's pack string fording a stream (see also 12x17 oversize box)
611  Jack Davidson throwing the R. A. Long hitch (photo by Jones Studio, Lakeview)
612  Doug Linebaugh arriving to work for the ZX Ranch
613  Freight supplies for a railroad survey crew, 1907
614  Les Duncan hauling wool off the desert, ca. 1916
615  Old time chuck wagon for ZX Ranch. Ed Lundy, cook
616  Brian Donlevy and Susan Hayward working on a movie near Diamond Lake
617  Dana Andrews working on a movie in Oregon
618  Dad Worthington, buckaroo boss of the ZX Ranch in Paisley, Oregon
619  Andy Devine and his two sons working on a movie in Oregon
620  Susan Hayward working on a movie in Oregon
621  Shipment of buggies to Bernard and Sons, Lakeview, Oregon, 1897
622  Eleanor Long working as an extra in a movie
623  Dave Richardson, wrangler for the movie company, ready to work with Eleanor and
       Reub Long in "Canyon Passage"
624  Creed Conn freight team, ca. 1900
625  Bushgrass on Eleanor Long's range at Fort Rock
626-627 Juniper trees of different shapes
628  Rabbit brush takes over
629  The 1939 Arlington and Hermiston Oregon range fire. It destroyed many thousands
       of acres
630  One rancher cared for his land, another did not
631  Grass on Reub Long's ranch
632  The town of Denio on the Oregon-Nevada border. The town saloon is on the
       Nevada
       side, ca. 1910
633  Mounting block in Freemont
634  Blacksmith shop on Harney ranch
635  Livery stable at Redmond, Oregon, ca. 1910
636  Redmond, Oregon street scene, selling town lots, ca. 1910
637  Town of silver Lake, Oregon, 1910
638  Windmill supplies water for livestock in Fremont, Oregon
639  "Buy Oregon Salt" advertisement from Paisley newspaper
640  Pasture Rock -- extinct volcano
641  Fort Rock -- extinct volcano
642  Hole in the ground, 300 feet deep and 1 mile across (see P89:338)
643  Ice stalagmite in South Ice Cave northwest of Fort Rock
644  Oregon's largest juniper tree, 20 miles from Fort Rock
645  E. R. Jackman inspecting the interior of Derrick Cave
646  Lava flow at Newberry Crater in Paulina Mountains
647 Indian artifacts owned by Reub Long (see P89:226)
648 Wild geese in large flock
649 Fledgling Golden eagle on Cougar Mountain
650 Falcon named Lady Mary that belonged to Jim Anderson
651 Rough legged hawk
652 Immigrant Road, Goose Lake to Lakeview, Oregon, 1926
653 E. R. Jackman leaning against a fence
654 Jackman leaning on a fence post
655 Reub Long (see also 12x17 oversize box)
656-658 Sheep in eastern Oregon (color transparencies)
659 Jackman and dog Dinti on a porch, 1924
660 E. R. Jackman, Charlotte Jackman, and dog Dinti on the beach, 1924
661 Jackman and dog Dinti with a campfire, 1924
662 Jackman raking in a crab, 1924
663 Jackman, 1961
664 Ft. Sill Oklahoma, World War I Field Artillery Unit (identification on back of print)
665 Mr. and Mrs. "Buttz" Reardon, E. R. and Charlotte Jackman, and Mrs. Frieda Teutsch
666-667 E. R. Jackman and a group of youth
668-669 Cattle, 1952 (5x7 color prints)
670 E.R. Jackman and sagebrush, 1952 (5x7 color print)
671 A scenic alpine, 1952 (5x7 color print)
672 Military review moving east in front of Kidder towards Apperson
673 Girl looking at a lake (negative)
674 Picture gorge, Highway 395 (negative)
675-680 Desert scenes (negatives)

Photographs Transferred from E. R. Jackman Papers (MSS)

Box 1
Clackamas County:
   A typical red clover seed crop grown near Canby
   Working crop residue into soil with disk tiller, ca. 1950
   Grass field (hat on ground for reference), ca. 1950
   First harvested crop of chewings fescue seed on the L. H. Hagen farm, Redland, 1936
   Small combine harvester, ideal for harvesting chewings fescue and other grasses, ca. 1936
Coos County:
- Dairy cattle on the well known farm of Ernest Clausen (2 images)
- Beef cattle grazing on natural open plains on E. S. Dement range in the Eckley community
- Overhead irrigation system in operation on Ellis Shull farm

Curry County:
- Salvaging burned timber
- Coastal scene

Deschutes County:
- Trimming of low tree branches increases grazing area
- Good water hole
- Ground too rocky to cultivate; makes good pasture

Gilliam County:
- J-S Ranch pasture gate and signs
- Young woman standing in wheat field, ca. 1950 (2 images)
- Soil erosion (13 images)
- Young wheat field
- Cultivating
- Plows (4 images)
- Stunted wheat field
- Wheat fields (2 images; negs. only)
- Overused range land near King Hill, May 1938
- Wheat field?, Sept. 1944
- Roadside seeding of crested wheat grass, ca. 1952
- Field of Sherman big bluegrass, Summer 1952 (SCS photo)
- Young wheat grass waterway, March and July 1956 (2 views; photos by Lou Gilliam)
- Fence line with good range on one side and poor range on the other, July 1956
- Wheat field treated around edge with different herbicides, summer 1922
- Art Jaeger's Killefer disc plow, April 1945 (3 views)
- Field with water-filled holes, ca. 1940
- E. R. Jackman discussing control of morning glory with crested wheat grass, M. E.
- Weatherford farm, ca. 1945

Grant County:
- Forested mountains lands (3 images)
- Juniper tree
- Dairy cow in corral
- Dryland alfalfa near Ritter
- Seeding with new rangeland drill, Logan Valley
- Sagebrush removal (2 images)
- Burned area with grass replacing sage, Bear Valley
- Oliver Bros. Range, Bear Valley; native grasses and weeds on right, crested wheat grass on left, ca. 1930
William Southworth ranch, Seneca; Nomad alfalfa and young wheat grass seeded spring 1954

Juniper trees on north side of John Day River, 1961
Nomad alfalfa on the Holmes ranch near Monument, Oregon; E. R. Jackman, Al Haselbacher and Bill Farrell in field, June 1957

Homer Barry's rehabilitated meadow -- drained and reseeded with meadow foxtail, Mt. Vernon, Oregon; Jackman, Barry and Farrell, June 1954

Split rail fence
Juniper tree and mountain mahogany
Two juniper trees
Moving cows and calves onto summer range, Joe Oliver ranch in Bear Valley, near Seneca

Harney County:
Men playing cards, ca. 1890 (photo postcard of earlier photo)
Jack rabbit hunt, Burns, ca. 1912
Man and woman drinking coffee outside, ca. 1910
Man and woman in doorway of cabin, ca. 1910
Birds at Malheur Lake?
Studio portrait of Paiute? man and woman in traditional dress, ca. 1920
Paiute? man holding pipe
Stocking fish (2 images)
Apple tree, ca. 1925
Paiute Indians on horses in traditional dress, Burns, ca. 1920 (photo by Heck)
Paiute? woman carrying child in cradle board
Paiute? Family on sidewalk, Burns?, ca. 1910
Burns, ca. 1890
Dale Padget, Arden Bowne and two others stop in Wagontire, Oregon's smallest town
Home made squeeze and chute for vaccinating and branding livestock
Four men sitting and drinking in front of automobile, ca. 1910
Hay fields and stacks (6 images)
Wild geese, 1927 (Heck photo)
Lumber mill at Hines (near Burns)
Jackman and Novtony at entrance to barn at Whitehorse Ranch
Burns, Oregon, ca. 1930
Jenkins Bros. Ranch near Diamond, ca. 1950 (2 views)
Coyote Jack, a trapper, and family, ca. 1912
Bear killed near Burns, Oregon, ca. 1910
Cattle, ca. 1910 (3 images)
Display of shocks of grain raised on E. W. Van Valkenburg ranch, Silver Creek Valley
Irrigation pond
Sheep grazing
Parade float - W. L. Lowe and wife, hunters, traders and trappers
Cattle and ranch
Burns, Oregon, 1945 (photo by Bob Lemons)
Man standing in sunflowers, ca. 1920
Paiute? Indians sitting on church? steps
Capt. Louie and Old Tabby, Paiute Indians? (photo by Lemons Studio)
Wild geese (4 images)
Man and woman displaying fish
Crane, Oregon
Man fishing in a stream
Locher's Louch, Burns, August 1925 (Heck photo)
Bull in corral
A. L. Cody, who killed sheriff W. A. Goodman, July 27, 1924 (photo by Heck Studio)
Three men and coyote they killed, Burns, 1913
Paiute Indian camp, Burns (photo by Lemon Studio)
Red Sheppard on Crow Foot, Burns, 1926
Rodeo cowboy getting bucked off a bronc, Burns, 1933
Picnic scene, ca. 1930
Three men with deer they killed, ca. 1910
Three men with fish they caught, ca. 1915 (2 images)
Cattle on range
Man on horse holding a rifle; cabins and wagon in background
Two men at entrance to cave
Camp scene; hay mounds in distance, ca. 1900
Auto decorated for parade with plant cuttings, ca. 1915
Irrigated garden area
Swan
Man with sheep
Man in wheat field
Cattle
Man in field
Snow covered valley
Quaking aspen, Steens Mountain, 1956
Francis and Henrietta Venator, Harney Co. ranchers, ca. 1955
Barn at White horse ranch, 1899
Saloon in Burns, ca. 1920

Jackson County:
Airplane dusting sheep
Remnants of the Jacksonville Brewery
Pears in the spring time; Mt. McLaughlin in the distance, ca. 1940
Newton apple tree (photo by Clark Studio, Roseburg)
Brown Mercantile Co. Warehouse, erected in 1877 at Brownsboro, ca. 1950
Picking pears (2 images)
Bud Hoover checking lotus seed field, 1950
Bluebirds watching grain being milled, ca. 1950
Haying, ca. 1950
Alfalfa? after cutting (Grimm and Talent varieties), Southern Oregon Exp. Station, 1950
Otto Bohnert & County Extension Agent W. B. Tucker, in Bohnert's Pennlawn fescue field,
ca. 1950 [Pennlawn was developed by Pennsylvania State College] (2 images; photos by
Brainerd's Studio, Medford)
Otto Bohnert residence, Central Point, Oregon, ca. 1950
Unidentified alfalfa? fields (2 images)
Woman riding horse (Mrs. H. P. Poston?)
Ladino? clover
Jefferson County:
Clover field near Madras
John Day River running through the Andy Norton Ranch
Irrigating fields (2 images; negatives and prints)
Temporary housing built by new settlers who came when irrigation was developed
Fire guard plowed with Hester fire plow on L.U. Project, Madras, July 24, 1941 (SCS
photo)
Josephine County:
Constructing a new addition to the Ladino Cooperative Assn.'s warehouse, 1940
Klamath County:
Agriculturalists inspecting fields (possibly in Nevada), ca. 1950 (3 images)
Klamath potatoes in storage cellar
Klamath potato weighing over four pounds
Lake County:
Alan Withers of Paisley and his 4-H award ribbons
John Withers selecting scion wood for grafting on roots to produce superior wild plums
Weighing up an extension fertilizer test plot
Bud Newcombe surveying
Farmers in irrigated grass seed field, ca. 1956
Dusting a field of Lodak? alfalfa to kill lygus bugs
Extension Service demonstration on making a ditch by blasting, Summer Lake area
Joyce Graves, Summer Lake 4-H Sheep Club member, exhibits two of her Rambouillet
flock
Men in grass field
Range with dead sagebrush and live bitter bush
Cattle on a 5-variety trial, Hotchkiss & Maxwell Ranch, 1956 (2 images; prints & negs.)
Downtown Lakeview, ca. 1950 (2 images; photo postcards by Eastman's Studio)
Lincoln County:
Ten milk cans - one day's production from 20-cow herd, K E. Speakman farm, ca. Sept.
1940
Linn County:
   Alta fescue field
Malheur County:
   Strawberry clover seed field -- yield 650 lbs./acre, E. P. Gheen farm, August 1940
   Seed cleaning plant purchased by Malheur Co. Farmers and Blue Mountain Seed Growers
   Assn., 1940
   Alfalfa field, ca. 1940 (prints & neg.)
Marion County:
   Detroit Lake reservoir and dam?, ca. 1955 (2 images; State Highway Travel Division
   photos)
   Silver Falls, ca. 1955 (State Highway Travel Division photo)
   Beef cattle in south Salem hills (photo by Gifford)
   Emma Courtney and Vera Badton of Seattle, students at Northwest Bible Institute,
   picking hops, 1944
   Pacific Highway running through orchards in the spring, ca. 1950 (State Hiway Comm.
   photo)
   Henry Riches looking at his highland bent grass seed crop, ca. 1950
   Floyd Fox’s irrigation pond, dock and cabin, near Silverton, ca. 1955 (color print)
   A field of turkeys (2 images; 5x7 color transparencies)
   Vernon Jetts looking at his oats, Aumsville, Oregon, ca. 1950
   View of the Willamette Valley from a hillside, ca. 1950 (State Highway Travel Div.
   photo)
Morrow County:
   Dry-land ranch of the 1920s; better than many
   Wheat piled in front of grain warehouse, ca. 1945
   Pioneer Memorial Hospital, Heppner
   Soil erosion (3 images)
   Erosion caused by overgrazing
   Terraces on range land made with a caterpillar and terracer; check dams constructed by
   Civilian Conservation Corps hand labor; May 1937 (SCS photo)
   Sheep grazing in 5-variety field, Paul Webb ranch, 1957 (2 images)
   W. C. Hughes’ 5-variety grazing trial; unimproved range (right) & grass/alfalfa (left),
   June 1957 (print & neg.)
   Nomad Alfalfa, Harold Wright Ranch, June 1957 (print & neg.)
   A. C. Lindsay’s 5-variety trial, Ladak alfalfa/crested wheat grass, June 1957 (3 images)
Polk County:
   P. tall fescue planting, first seed crop produced for Carl Deltrmond (right) of Suver;
   Lawrence
   Jenkins, OSC Extension Service on the left
Tillamook County:
   Loading grass silage, ca. 1935
Clarence Robinson family, pastures, dairy cows, pea patch, ca. 1950 (10 images)

Umatilla County:
Wheat harvesting with horse drawn combines, ca. 1916 (3 images; photos by Chas. Moore)
Group of men standing in wheat field, ca. 1920
Paul Kotze and family, 1954 (7 images - 4 family views and 3 views of field inspection)
Field gully near Pendleton Field Station shaped and seeded with grasses, Jan. 1938
W. A. Holt inspecting erosion
Erosion gully in field
Rotary blade cultivator in grass field (3 images)
Alta fescue field, ca. 1940 (2 images)
Field of *Poa Ampla* (Big Blue Grass), Roy Duff farm, March 1940 (SCS photo)
Lowell Caplinger farm, wheat and grasses, June 1951 (4 images)
Jeep in meadow, 1953
Henry Lazinka, first secretary and 5th president of the Umatilla Co. Cattlemen's Assn.
(2 images; prints & negs.)
Henry Lazinka and ranch hands at dinner table, ca. 1955
E. F. Burlingham farm, near Stanfield, June 1952 (4 images)
Ed Hoeft, Pilot Rock, in his grass-alfalfa field, August 1954 (2 images)
Jim Beamer and farmers in a strawberry clover pasture, ca. 1950 (6 images; photos by Bus Howdyshell, Pendleton)
Wheat field, 1952
J. Earl Cobe looking at crested wheat grass, Haley Rothrush ranch near Pendleton, ca. 1936
Field with rough, cloddy surface produced by summer dry plowing after harvest of canning pea crop, August 1937
Erosion in drill wheel tracks and furrows, Jan. 1936 (SCS photo)
Rotary blade cultivator, ca. 1951 (4 color slides)
On year old grass fields, various varieties, April 1951 (3 color slides)

Union County:
Ed McCanse and Burns Bailey looking at new grass on McCanse's 9000 acre range
Ed McCanse plowing in straw on summer fallow field
Man in wheat fields (2 images; negs. only)

Wasco County:
Peach trees, ca. 1920

Washington County:
Hagg Bros. dairy cattle, Reedville, Oregon

Yamhill County:
Rye and vetch cover crop at time of plowing under; near Newberg, April 29, 1938

**Box 2**
Cover Crops

- A carload of Austrian winter peas leaving a western Oregon warehouse for the South (4 images)
- Typical hairy vetch seed field, western Oregon, ca. 1950
- Vetch fields (2 images)
- Hairy vetch field, Polk Co., ca. 1950
- Cover crop in orchard
- Austrian winter pea fields, mountains in background, ca. 1950 (3 images)
- Summer fallow, Douglas County, Washington (2 images)
- Vetch seed sacked and left standing to dry out, Willamette Valley, ca. 1950 (2 images)
- Threshing vetch and oats -- bulk bin on combine -- Ritchey Bros., Forest Grove, ca. 1955
- Harvesting hairy vetch, Marion Co., 1942
- Checking pea seed, Oregon State College seed lab, ca. 1955
- Threshing clover seed, central Oregon, ca. 1930
- Clover fields, ca. 1940 (2 images; 2 prints & 1 neg.)
- White clover for seed, dryland, Marion Co., May 1943 (color slide)
- Fields in South Carolina, Georgia, Alabama, Mississippi, Louisiana, and Texas seeded with Dixie Wonder peas, February & March, 1946 (16 images)
- Bentonville, Ark. orchards planted with cover crops, May 1944 (3 images; USDA photos)

Dairy Cattle:

- Good dairy cows on Fred Genteman's irrigated pasture of alta fescue and ladino clover, Corvallis, 1951
- Jersey heifer nursing two week old lambs, Withers ranch, Summer Lake, Oregon, March 1943
- Baker Co. dairy cow nursing calf
- Unidentified views, probably western or coastal Oregon, ca. 1950 (3 images)

Erosion:

- Soil blowing on abandoned farm, Morrow Co., May 1937
- Erosion in a young orchard, Wasco? County (print and negative)
- Erosion in an established orchard
- Erosion in wheat fields (13 images)
- Sheet erosion on Palouse silt loam, near Albion, Whitman Co., WA, Feb. 1934 (SCS photo)
- Severe drill row erosion with silt deposit on lowlands, Whitman Co., Washington, Feb. 1940 (SCS photo)
- Sheet erosion in Patit Valley, Columbia Co., Washington, Feb. 1934 (SCS photo)
- Sheet erosion on Palouse silt loam, near Moscow, Idaho, Jan. 1934 (2 images; SCS photos)
- Land destroyed by gullies, Lafayette Co., Mississippi, July 1938 (SCS photo)
- Eroded fields (2 images)
- Effects of erosion, Myers place near Salt Creek, Lake Co., fall 1931 (2 images)
Gully in summer fallowed field, caused by local cloudburst, Gilliam Co., Sept. 1937  
(SCS photo)
County road washed out by flood waters of Gerking Flat Creek, Umatilla Co., March 1936  
(SCS photo)

Farm Scenes:
View of dairy farms on Smith river, a dairy section of Douglas County, ca. 1925
Potato injured by mercury-chloride compared to normal potato, ca. 1919
Planting potatoes with Keystone planter, O'Brien farm, Mt. Laki, May 1927
Coulson Bros. potato farm, Tule Lake, CA, 1936
Hood River potato and flea beetle control, ca. 1935 (5 images; prints and negs.)
Harvesting certified potatoes, S. P. Dehlingen, October 1935
Feed potatoes, Malheur Co., 1948
Roy Roberts in his field of certified netted gem potatoes, Powell Butte, Crook Co., 1925  
(print & nitrate neg.)
Hill of Netted Gem potatoes, Clyde Griffith farm, Mt. Laki, August 1927
Potato field, western Oregon?, ca. 1935
Harvesting potatoes by hand, ca. 1940
Jackman and others in potato field, ca. 1950
Jackman holding harvested potatoes, Columbia Co., 1928
Using Jackson fork to stack hay -- used on many Oregon farms, ca. 1917  
(photo by Gifford & Prentiss)
Picking apples, ca. 1940
Sliding box under combine sack saves one to three sacks of wheat per day, Umatilla Co.,  
ca. 1940
Roberta Jean Lazinka roping calf, ca. 1950 (2 images)
George Dereave and white winter oats, Amity, Oregon, 1961
Combining wheat and other grains (4 images)
Farm dinner bells, ca. 1950 (2 images)
Farm hands eating dinner, ca. 1950
Farm hands playing cards, ca. 1950
Top of Pete French’s big round barn, southern Harney Co.
Umpqua plums, ca. 1940 (photo by Clark Studio, Roseburg)
Shoeing a horse
Bottle feeding a lamb, ca. 1950
Sage brush crowded by orchards, Snake River Valley, ca. 1940
Ed McCanse in the stubble of his dryland wheat field, ca. 1945
Wheat fields
Field of Turkey Red wheat near Maupin; strips received different treatments
Field of Turkey Red wheat; sections treated with copper carbonate and formaldehyde,  
Lake Co., 1924
Hill unit plantings - result of one hill with mosaic, Fred Enterhille farm, 1924
D. L. Hughes in potato? field, Baker Co., July 1925
Man standing next to tall grain in field, ca. 1940 (neg. only)
Grasshopper? work - stopped with poisoned bran and sawdust, Klamath Co., 1924
Wood water cistern, ca. 1925
Test grain plots at OAC?, ca. 1930
Field with rough, cloddy surface produced by dry summer plowing after canning pea harvest,
Umatilla Co., August 1937 (SCS photo)
Cow with Lump Jaw, Nov. 1936
Field with deeply plowed section
Checking potatoes left in ground during winter, ca. 1925
Field after flood, western Oregon, ca. 1930
Hay stacking, western Oregon (Myrtle Creek?), ca. 1940
Longhorn cattle, Grant Co., ca. 1910
Aerial spraying
Wheat plots planted after alfalfa tilled under
Hand pollinating tree bloom, ca. 1925
Checking wheat sacks, Umatilla Co., ca. 1950 (photo by Bus Howdyshell, Pendleton)
Boy with harvest sack in potato? field, ca. 1925 (print & nitrate neg.)
Field of OAC #7 barley grown on the George Skako farm at Clackamas, ca. 1930
J. A. Gaskill's field of Hard Federation wheat, Alicel, Oregon, ca. 1930
Unidentified wheat field
Harvesting wheat by hand, ca. 1910
Sacks stacked in field in front of farmhouse, ca. 1915
Cattle in feed lot
Cattle in pen
Pumping water from North Palouse River for irrigated river bottom land, ca. 1950
Unidentified farm family, Grant Co.?, ca. 1950
Roguing Federation wheat, Malheur Co., ca. 1930
Plowed field, ca. 1940
Apple trees in bloom, Yakima project, Washington, ca. 1935
Pumpkins, Strawberry Valley project, Utah, ca. 1935 (Bureau of Reclamation photo)
Irrigating sugar beets, Belle Fourche project, South Dakota, ca. 1935
Cotton field and bales of cotton at gin, Rio Grande project, New Mexico, ca. 1935 (2 images)
Oxen team, Birmingham, Alabama, May 1935 (3 images)
African-American girls and cotton, Newberry Co., SC, Sept. 1940 (AAA photo by Harmon)
Bringing in bags of cotton from fields by mule, Shelby, MS, Sept. 1941 (AAA photo)
Beans?, Maine, ca. 1940 (AAA photo)
Mechanized fruit tree pruning platform, California, ca. 1930
Wheat field harvested and partially disced, Montana (SCS photo)
Snow covered barn and field, eastern Oregon?, ca. 1920
Unidentified field trial, ca. 1935
Ox cart, ca. 1910

Forage:

Alfalfa:
- Two year old stand of Nomad, Pat McGinnis farm, Bend, May 1958
- Nomad plant under severe grazing and heavy winter trampling, Les Porterfield ranch, Klamath Falls, ca. 1955
- Five varieties of grazing alfalfa, Les Porterfield ranch, 1955
- Gopher damaged Nomad plant resprouting, Ed McCanse farm, North Powder, 1954
- Nomad at Squaw Butte Experiment station outperforms grasses, ca. 1955
- Nomad alfalfa, Sherman Branch Exp. Station, Moro, ca. 1955 (2 images; 1 color)
- Making stand counts on 5 variety alfalfa grazing trial, Eugene Chase farm, Dufur, 1955
- Individual alfalfa plants with soil dug away to expose stems spreading from main roots, ca. 1955 (2 images)
- Ladak alfalfa on dry land in Grant County, 1932 (print & negative)
- Jackman and alfalfa plant; alfalfa plant roots, July 1957 (3 images; 3 prints & 2 negs.)
- Comparison of dried 4 year old Nomad alfalfa plants, ca. 1955
- Southworth nursery, Nomad and Ladek grown side by side, ca. 1955
- Nomad alfalfa, Harold Wright ranch, Hardman, OR, May 1954 (3 images)
- Nomad alfalfa, E. N. Sewell ranch, Burns, June 1952
- Nomad alfalfa and grass seeded on Anderson ranch, Gilliam Co., May 1957
- Nomad alfalfa seed field, Cow Valley, Malheur Co., August 1956
- Checking alfalfa variety plots, Ben Dodson ranch, Wamic (Wasco Co.); E. R. Jackman, Bill Cyrus & Bill Hall, ca. 1955
- E. R. Jackman in Nomad alfalfa field, McCleary Cattle Co., June 1961
- Nomad alfalfa on the Don McRae farm, Clarno (Wheeler Co.), Sept. 1952
- Ladak alfalfa for seed, Baker Co. Dryland, ca. 1935
- Nomad alfalfa growing on a caved off bank, Umatilla Co., ca. 1950
- Man in partially harvested alfalfa field, ca. 1930
- Alfalfa harvest
- Grimm alfalfa, Washington Co., April 1924
- Group standing near alfalfa field, Curry Co.?, ca. 1925
- Nomad alfalfa trials in other western states -- Texas, Oklahoma, Kansas, Colorado, New Mexico, Wyoming, South Dakota, Montana & Nevada, 1952-1961 (26 images; prints and some color slides)

Crested wheat grass:
- Test plot seeded to crested wheat grass, Madras Project, March 1940 (2 images; SCS photos)
Crested wheat grass at Coffeepot Flat, Fremont National Forest, October 1947
(3 images)
Wheat grass, Bolton ranch, Lakeview, 1953
Crested wheat grass, Otley ranch, Diamond, Oregon, 1956 & 1957 (6 images)
Five acre crested wheat grass field, Withers' Bros. Ranch, Summer Lake, Aug. 1936

Crested wheat grass, Wm. Pfrang ranch, Lakeview, ca. 1932
Six year old crested wheat grass, Wm. Pfrang ranch near Lakeview, August 1940
Hayden Fish inspecting crested wheat grass in Lake Co., Ore., Aug. 1932 (2 images)
Crested wheat grass in rows, J. R. Fleming ranch, Bakeoven, Wasco Co., ca. 1935
Crested wheat grass on cheat land, burned and drilled only, near Madras, 1936
Crested wheat grass on cheat land, double disced and drilled, near Madras, 1936
(2 images)
Noble blade preparing cheat grass land for crested wheat grass, ca. 1936 (print & neg.)
Crested wheat grass working into sage brush, ca. 1936, (2 prints & negs.)
Crested wheat grass seed field, Howard Wagner? Ranch, 1935
Good stand of crested wheat grass on the Central Oregon Project, Redmond, seeded about 1937, Sept. 1942 (print & neg.)
Central Oregon Project, Madras, Sept. 1942 (prints & neg.)
Crested wheat grass vs. Juniper, Jefferson Co., ca. 1942 (neg. only)
John Bradetich, Bend, inspecting crested wheat grass saved for winter feed, ca. 1950
(3 images; 2 prints & 2 negs.)
Crested wheat grass on the J. E. Smith Livestock Co. range, Umatilla Co., ca. 1932
(2 prints & neg.)
Central Oregon L.U. Project, Jefferson Co., protected crested wheat grass tract, March 1940 (SCS photo)
Crested wheat grass, Baker Co., ca. 1935
W. R. Hawley and his crested wheat grass, Baker Co., 1936
Crested wheat grass seeded in the bottom of furrows on overgrazed native sod, Hynd Bros. ranch, ca. 1940
A failed crested wheat grass field; seeded without removing a rabbit hutch, Fort Rock, Sept. 1955
Crested wheat grass, Fox Valley, Linn Co.?, 1933 (print & neg.)
Crested wheat grass, 96 ranch, 1934 (print & neg.)
Young wheat grass, Topar strain, planted in 1952 at the Darrell Evans ranch near
Mosier; Ronald Elmes, Darrell Evans, Kermit Peterson, E. R. Jackman
Crested wheat grass Parker Bros. Farm, Creston, Montana, October 1935
Harold Wright, Morrow Co. Grassman of the Year (1955) with his Beardless
Wheat grass, August 1955
Walter Holt showing crested wheat grass to visitors at a grass nursery near Valley
Falls, Lake Co. Grass tour, ca. 1955
Field of crested wheat grass near Ukiah, ca. 1933 (USDA photo)
Crested wheat grass drilled after a burn (right) and no seeding (left), Jefferson
Co., ca. 1940
Crested wheat seeded in rows, April 1938
Crested wheat on burned cheat grass (neg. only)
Furrow seeding of crested wheat grass, ca. 1930
Crested wheat grass, sagebrush in background, Lake Co., ca. 1940
Fairway crested wheat grass, Parker Bros. Farm, Creston, Montana, July 1935
Hawley crested wheat grass, 1936
Four year old stand of crested wheat grass on 1/4 acre; Hayden Fisk ranch, north
end of Goose Lake Valley (Klamath Co.?), May 1933
Crested wheat grass on P. Tensen farm, Nyssa, Oregon, May 1937

Other forage crops (includes grasses grown for seed) [2 folders]:
Alta fescue, Bob Mitchell? farm, Polk Co., ca. 1945
Alta fescue in rows for seed production, western Oregon (Corvallis?), ca. 1945
Inspecting alta fescue, ca. 1950
Single plant of alta fescue; over 4 ft. high
Ash Bailey's alta fescue field, Junction City, May 1947
Cattle grazing on alta fescue, Western Oregon, ca. 1940
Abandoned crop land burned and drill seeded in 1941, Central Oregon Project,
1942

Renovating meadow, Lake Co., ca. 1934
Loading wild hay using over-shot home made stacker, William Rehart Ranch,
Crooked Creek, August 1932 (5 images)
Hay stacker, ca. 1936 (2 images)
George Curtis’ pine hay stacker, ca. 1936
Viewing hay slide on P. W. Hotchkiss Ranch, Thomas Creek, Umatilla Co.?, July
1932

Hay stacker, J. S. Entbridge? ranch, ca. 1936
Hay stacker, ca. 1940 (3 prints and 4 negs.)
Threshing with a gasoline tractor, ca. 1915
Stacking hay, ca. 1900
Threshing alsike clover, Joe Jacobs farm, Sept. 1935
Stacking lotus straw, 1950
Comparison of root and top end growth of *Poa secunda* and *Poa bulbosa*,

Sherman Co., May 1938 (SCS photo)
Clover fields, ca. 1928 (2 images)
Kentish wild white clover, Malheur Co., ca. 1940
Ladino? Clover fields, Josephine Co., ca. 1930 (2 images; prints & nitrate negs.)
Ladino clover field near Madras, ca. 1950
Steers on ladino clover, Grants Pass, ca. 1930
Alsike clover field near Liberal (Clackamas Co.), ca. 1940
Blaine & Warren Brown in Marion bluegrass field, Gaston, Washington Co., June 1958
Meadow foxtail, John Kapplin farm, Gaston, July 1944
Meadow foxtail field, K. McAdams, Gaston, May 1957 (2 images)
Harvesting bent grass on the Ed Geary Ranch, Klamath Falls, ca. 1935
Oregon Game Commission trial seedings on elk range near Troy, Wallowa Co.,

1957
Non-shattering oat grass, Bob Mitchell farm, Polk Co., July 1944 (4 images)
Phil Meeker in tall oat grass, July 1944
Grass fields, Tillamook County, July 1947 (4 images; color prints & slides)
Grass in wooded area, Douglas Co., July 1947 (2 color print & 3 color slides)
Alta fescue, Umatilla County, July 1947 (color print & slide)
Views of grass fields, near campus?, July 1947 (4 color images)
Grass field, near campus?, ca. 1940
Range land showing overgrazing and good grazing practice, Olex, Gilliam Co.,

1955
Fertilizer trials on bentgrass seed showing division of plots at harvest time, F. H.
Mudd farm, Clatsop Co., ca. 1940
Managed bunch grass, north of Hermiston, ca. 1950 (color slide)
Range land reseeded on left, natural on right; Squaw Butte Exp. Station, ca. 1950
Coast land logged, burned and seeded, ca. 1940
Burned over grazing land, L.U, Project near Madras, Sept. 1939
Mountainous grazing land after fire, ca. 1945 (neg. only)
Seeded and unseeded burned-over timber lands, ca. 1940
Turf shown by tearing it up, Wallowa Mountains meadow, ca. 1940
Roland McKee, USDA forage crops specialist, in field of birdsfoot trefoil and ryegrass
on C. C. Hoover farm, Medford, ca. 1940
E. A. Smith field near Condon, about 3 weeks after spring toothing, April 1936
E. A. Smith combining near Condon, ca. 1936 (3 images)
Bunch grass range, Wheeler Co., grazed & ungrazed conditions, July 1955 (4 images; prints & negs.)
Chilcote in Lake, Wasco and Morrow counties, ca. 1947 (3 color slides)
Alta fescue in Linn County, ca. 1947 (color slide)
Windrowing ladino clover, ca. 1947 (color slide)
Sage brush spray, Fremont, Lake Co., August 1954 (color slide)
Range land scenes, eastern Oregon -- grasses and windmill (5 color slides)
Gully seeding made in 1940 -- crested wheat grass, smooth Brome, and alfalfa,

Adams Co., Washington, June 1941 (SCS photo)
Seeding burned over timber lands, Jan. 1940 (4 images)
Harold Wright irrigated bottom land along Rhea Creek Headquarters ranch seeded to alfalfa and grass mixture, August 1955
Blue bunch wheat grass and Idaho fescue ready for spring grazing (neg. only)
5,000 acres of grass near Burly, Idaho; formerly sage brush, ca. 1950
Grass straw baled in fields (5 color transparencies)
Oats planted with Ladak alfalfa on H. H. Huron farm, Imbler (Union Co.), ca.

1936
Dryland plot of alfileria and crested wheat grass sown on W. B. Snider ranch, Paisley, 1933
Grazing plot on range near Hardin, Montana, July 1940 (AAA photo)
Unidentified views (47 images; prints and some negatives)

Box 3
Grasses (not grown for forage or seed):
Dam planted in alta fescue, 1947 (7 images; negs. & prints)
Plot of alta fescue in turf garden at Westwood Country Club, 1948
Hillside planted in grass, 11 months after seeding, August 1948
Grass test plots, Elmwood Golf Course, Omaha, Nebraska, 1951 (4 images)
Jackman Home on NW 36th Street, Corvallis, ca. 1956 (30 views)
Machinery:
Threshing seed with a bulk combine, Ritchey Bros. Farm, Washington Co., ca. 1940
(2 images)
Harrow made from tires, Lakeview (3 images)
Floyd Fox Sr. & Jr. adjusting combine
Land plane
Fire plow made by Hester Plow Co. Of Florida; used on L.U. project for plowing fire guards
and fighting grass fires, Madras, July 1941
Steam powered thresher, ca. 1910
Disc cultivator (neg. only)
Thresher?, ca. 1950
Caterpillar pulling multi-sectioned plow, ca. 1940
Three-bottom, 16-inch plow rebuilt to give 26 in. clearance below beam and equipped with
Plows (4 images)
Grass cutter?, ca. 1940
Mrs. Dwight Weisner cultivating using 30? horse team, Morrow Co.?, ca. 1925
(nitrate neg. only)
Horse drawn reaper, ca. 1930
Tractor pulling thresher, ca. 1940
Horse drawn combine (print & neg.)

Pastures:
Cattle grazing in pasture on Ray farm, Hillsboro, June 1954 (2 images)
Cattle grazing in pasture, Umatilla County?
Cattle and sheep grazing in OSC pastures, ca. 1950 (10 images)
Sheep grazing on hillside pasture, Willamette Valley?
Sheep grazing in coastal pastures (4 images)
Sheep grazing in coast pasture, Lincoln Co., ca. 1940
Typical coast livestock layout - cleared, fertile valley for pasture and hay; adjacent hillsides
for winter & spring pasture; some timber to help out the income, ca. 1940
Irrigated pasture in Alsea area of Benton Co., Harold Maltby farm, 1951 (4 images)
Jackman and ?Levy in Cunningham Sheep Co. pasture, Nolan, Oregon May 1955
Sheep in OSC pasture?, ca. 1947 (5x7 color transparency)
Pasture with some ladino clover, New Hampshire?, ca. 1930
Cows grazing on crimson clover, Georgia, ca. 1940
Unidentified pasture scenes (10 images)

Range Scenes:
Hart Mountain 4-H range management camp, 1951 (17 color slides)
Youth range camp, 1957 (6 images)
Sage brush removal via burning by U.S. government, ca. 1955
Sage brush removal demonstration given to ranchers from several western states, Lake Co.,
ca. 1950:
Crowd scenes (7 images)
Abert Rim (2 images)
Burning sage (1 image)
Using railroad rails to clear sagebrush (3 images)
Other machinery used for clearing sagebrush (2 images)
Sage brush after spraying, 1957 (3 images)
Equipment for sage brush removal, Squaw Butte, ca. 1950 (4 images)
The rider who looks after salt, fences, water, crippled or sick cattle, thieves, poisonous
weeds,
and such matters on forest service mountain range north of Burns, ca. 1910
Little Blitzen Gorge, Steens Mountain, October 1958 (photo by David B. Marshall)
John Maidmont sheep range near Lonerock, Gilliam County, ca. 1940
High skirted juniper north of John Day River; evidence of too many deer; ca. 1950
Seed drill to be awarded to a rancher by the Lakeview Rotary Club for range reseeding accomplishments, 1949
Ranchers looking over reseeding project in Lake County, ca. 1950 (neg. only)
Native Blue Bunch grass near Big Juniper Mountain sheep range, Lake Co., May 1937
Bud Parks measuring grass stand on over-grazed range near Fort Rock, sept. 1955 (3 images)
  Cabin of John Scharff, near summit of Steens Mountain
  Cheat grass areas burned in range fire, ca. 1950 (2 images; prints and negs.)
  Quarter Circle “U” Ranch roundup, Big Horn County, MT, June 1939 (FSA photo by Arthur Rothstein)
  Mountain mahogany tree grazed by deer (U.S. Forest Service photo; prints & neg.)
  Rangeland near mountains
  Closeup of sage brush plant on range land
  Typical Oregon ranch -- hay meadow below and range above; Baker Co., ca. 1940
  Harney Co. Range lands, 1962 (3 images)
  Inside Range 5 enclosure, Squaw Butte, May 1954
  Reub Long’s winter pasture, BLM rangeland
  Rangeland with mountains in background, ca. 1939 (FSA photo by Arthur Rothstein)
  Ranch hands and horses on rangeland (neg. only)
  Bitter bush, Deschutes National Forest, 1956
  Unidentified images (4 images)

Seed Crops:
  Highland bent grass for seed, Polk Co., July 1941 (color slide)
  Alta fescue for seed, June 1941 (3 color slides)
  Alta fescue & Lincoln Brome, Bert Haynes farm (2 images)
  Seeding Lincoln Brome on Bert Haynes farm, April 1950
  Grass grown in rows, Ben Elmer farm, Clarokes, ca. 1950
  Certified seed wheat display, Union Pacific Railroad
  Four feet high alta fescue plant
  William Peutz of Nyssa in his field of certified Grimm alfalfa for seed, July 1944 (print & neg.)
  Onions for seed, Malheur Co., July 1944 (print & neg.)
  Harvested flax in bundles in field, ca. 1930
  William Dietz at New Era (Clackamas Co.) shows a typical field of fiber flax, ca. 1935
  Crested wheat grass grown for seed, ca. 1930
  Oregon Seed League display, ca. 1950
  Grass field, OSC?, July 1947 (color print)
  Field of alta fescue for seed near Junction City, Oregon, 1951

Special Events:
  Oregon Seed Growers League meeting, Portland?, ca. 1950 (6 images; photos by Rey Parodi)
  Ranchers tour, ca. 1950 (4 images)
Frank Ballard retirement dinner, Benson Hotel, Portland, 1961? (4 images; include Jackman, Frank and Lillian Ballard, Mark Hatfield, & others)

Jackman holding award presented to him by Oregon Farm Bureau Federation, 1957

Oregon Desert promotional display in window of Shaw Stationery Co., Klamath Falls, June 1964

Jackman and Long at book signing table in store, ca. 1964

Scene from pageant, “Yesteryears in Morrow County,” Ione, April 1959

J. D. Vertrees Photographs:
- Aerial views of fields, farms, creeks (10 images)
- Cattle (6 images)
- Aerial spraying (2 images)
- Buildings with smokestack (prison or manufacturing plant), eastern or southern Oregon?
- Man standing in wheat field
- Freshly plowed field, Klamath Co.?
- Rodent (6 images)
- Unidentified insects (22 images)
- Unidentified fields (5 images)
- Cattle on range pasture (3 images)

Miscellaneous Photographs:
- Binational Center, San Jose, Costa Rica, 1962 (4 images)
- Two Dominican 7th grade English teachers practice in the Language Lab set up for the English Language Teaching Seminar given in Licey, Dominican Republic, July 29 to August 18, 1962
- Unidentified building, Dominican Republic, ca. 1962
- Ninth Annual National English Teachers’ Seminar, Asuncion, Paraguay, Dec. 1962 (2 images)
- English Teaching Seminar, Sao Paulo, Brazil, February 1962 (3 images)
- USIS-Rio de Janeiro officer Graham French presents certificate to a teacher attending a seminar for teachers of English in Curitiba, Brazil, January 1962
- New yellow pine trough, Umatilla Co., Jan. 1936 (SCS photo)
- Two paratroopers, ca. 1945 (War Dept. photo)
- 4-H boys at camp? eastern Oregon?, ca. 1950 (2 images)
- Cattle ranchers at dinner meeting, ca. 1950
- Statue of Lincoln at Lincoln Memorial, ca. 1940
- Farmer, possibly “Grass Man of the Year,” ca. 1950
- Jimmy Duff?, ca. 1918
- Hunting camp scenes, 1948 (7 images)
- Sign “No Swimming Without Suits" posted along river in Malheur Co., ca. 1925
- Digging large trenches, ca. 1930 (2 images; 1 print & 1 nitrate neg.)
- Highway between railroad and river, Blue Mountains?, ca. 1925

Captions Separated from Photographs