

Oct 10, 1991

To

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16 OCT 91

Temperatures approaching 80 today and very strong winds. The mail plane is grounded. Feels like fire weather. Pioneer creek drainage is thick with smoke from the Rush creek fire.

18 OCT. I took a hike up Pioneer Creek and across the ridges to the west. I came out on a rock outcropping overlooking the Rush creek fire.

Because of the smoke, I could not tell how far up Dave Lewis creek the fire has advanced. At this time it is no threat to Pioneer creek drainage.

23 OCT. The area received the first snow of the season. It immediately melted on the Ranch, but on the surrounding elevations, snow remained until late afternoon. I tried to reheat stream thermometer for Pioneer creek, to solve a mercury separation problem.

~ Tried twice, without positive results. Time to order new thermometer
1 NOV. Today is the 51st day the snow has remained on the ground.

There is about 2 1/2 inches. I've heard 4 gunshots the past 3 days. Hunters got to sleep that I know of.

2 NOV Ray Guse comes in a 1500 today. Switched propane in

Taylor cabin. Ray & Christine did make it in. Carried all their gear to the Taylor cabin, took a quick look around the place and it got dark. Kuska is ecstatic to be back. Much colder than I expected.

Nov. 3, Sunday

Cleaned water box and made modifications in hopes of keeping water as long as possible. Christine cleaned and organized kitchen. We started arranging things for winter including sealing off the back porch (bedroom); haven't got the cabin above 60°F yet. Water is

frozen in all buildings, will try to at least thaw toilets tomorrow. Water should have been drained in unheated cabins once temp. got below freezing; could be a lot of work fixing plumbing in the spring.

Monday, Nov 4

More cleaning and organizing in Taylor cabin. We got the duplex drained after building a fire and keeping it going for four hrs. Started warming up the old lab and Arlow's. So far only minor plumbing damage in old lab and duplex. Finally got good winter press. to Taylor cabin. Travis, one of Lon's guides rode through today with a hunter. They have lost some stock. Called Jeff. to tell him about water situation and that we need ^{now} max. min. thermometer in Pioneer Creek along with daily weather log books.

Tuesday, November 5

More cleaning in Taylor Cabin. Christine even dusted logs. Draining water in cabins is essentially finished. Organized and put away more things. Two riders headed up Rush Cr. in A.M., didn't stop.

Wednesday, Nov. 6

Nearly $\frac{1}{2}$ " rain in the past 24 hrs. Foggy most of day - no mail plane. Took liberty of moving refrigerator from wood shed to back room. We'll put it back before Jeff and family return. Also rewired lights and solar panels. The lights are extremely handy during these dark months. Gathered up garbage to be flown out. Christine cleaned and organized draws in Taylor Cabin along with cleaning refrigerator.

Thursday, Nov. 7

Lots of air traffic now the weather has cleared. Christine is

still cleaning nooks and crannies in the Taylor cabin. I started cleaning the shop - a project that will take days. Rod brought mail in the afternoon. Sent out 2 batteries to get charged. Put RV antipyrax in toilet around the ranch. Hiked up to third bench after spotting what appeared to be a ram's horns through 30X spotting scope; couldn't find them.

Friday, Nov. 8

Usual chores. Put non-essential items in attic of shop. Cleaned shop a little more. Put min. max. thermometer in Pioneer Creek.

Saturday, Nov. 9

Took day off and hiked down to Middle Fork. We saw three river otters downstream from the old lower pasture.

Sunday, Nov. 10.

Spent the morning reading. I went hunting in the afternoon on the ridge between Rush and Pioneer Creeks. I got a nice 4 pt. buck and had it quartered, skinned, ~~and~~ cleaned and hanging in the old rabbit shed before dark. Wrote a few letters. Christine made applesauce from some apples she found in the basement marked Rush Cr. camp Aug. 18!

Monday, Nov. 11.

Stacked wood in shed. Used cross-cut to saw up more scrap wood. Read thermometers in Rush & Pioneer Creeks. Realized it was a holiday so took a long nap. Set another trap for woodrats that are continuing to make a mess in the duplex. Filled lanterns. Jeff called this morning to see how things are going.

Tuesday, Nov. 12

Dreary wet day. Christine worked on her corespondence courses and I tried to make more headway at organizing the shop. At this point we've only made a bigger mess.

Wednesday, Nov. 13

We did laundry today. Got things organized for the mail plane. Rod made it in in the afternoon but forgot the 12 V batteries I sent out to be charged. Christine baked bread and did some course work. I continue to try to organize shop. Took temp. readings in Bush & Pioneer Creeks.

Thursday, Nov. 14

Cut up the rest of the scrap wood on the airstrip and hauled some up to the woodshed. Rod flew in furniture for the new cabin. A hunter came up from Soldiers Bar and asked me to radio

Arnold's to come pick up his party - which I did. ^{They flew out of soldiers bar} Organized a little more in the shop. Rod said one of the batteries we sent out won't take a charge. Christine worked on her course work when not helping me. Still no luck catching woodrats in the duplex.

Friday, Nov. 15

Cut wood left over from Zanham Cabin. Took stream temperatures. Organized in the shop some more. Observed 3 rams exhibiting rut behavior. May have heard rams butting heads yesterday. Christine worked on her course work.

Saturday, Nov. 16

Rod made 3 trips flying in furniture and beds for the Zanham Cabin. I had to work on irrigation to prevent overflow on head of airstrip. Someone (Steve Gittle) lead 7 dead of stock

up the Cliff Creek trail. I baked cookies and Christine baked bread.

Sunday, Nov. 17

Spent the morning reading. Hiked up the ridge between Rush and Pioneer creeks in the afternoon.

Monday, Nov. 18

I got the chainsaw running and sharpened up; after Rod showed me Saturday that we have a 55 gal. drum of gas down by the fuel shed. Spent the day cutting and splitting ~~the~~ scrap wood around the shop and the Zanham cabin. Christine did school work all day. Took stream temps.

Tuesday, Nov. 19

Cut up the rest of scrap wood and wood too long to fit in stove. Restacked wood in shed. Just need to haul wood I cut yesterday from Zanham cabin to Taylor cabin. Organized more nuts and bolts in shop. Christine did school work.

Wednesday, Nov. 20

More organizing in the shop. Put things in shop attic and inventoried what's up there. Finally got the huge pile of surplus hardware inside the shop. Christine made a rack for the saws. Took stream temps. No mail plane due to weather. Two pack strings trailed out: Coni and I think Jopson's. Set another trap for woodrats in duplex; still haven't caught any. Christine made apple pie from surplus apples we found in basement.

Thursday, Nov. 21

Still no mail plane. I finished organizing the shop. Christine put shielding around the shop stove and started building partitions in the shop drawers. I started modifying the stove to accommodate the triple wall pipe Jeff bought. Jeff called this morning. Still unable to catch woodrats in duplex!

Friday, Nov. 22

Rod brought mail this morning. Finished organizing and cleaning shops. We made modifications to shop's stove and got it installed. We put a ~~of~~ small dam in Pioneer creek to increase water depth where we'll get water over running ~~the~~ water. prays up to Taylor Cabin. Took stream temps. Christine sent out an apple pie to Arnold's. Sent out a good battery to be charged.

Saturday, Nov. 23

We got within 20 feet of a class IV ram on the first bench. Two groups of sheep on the benches. Total of about 25 sheep with at least 4 lambs. Hiked to base of cliffs on Cliff Creek. Saw a buck mount a doe and got 3 exposures on film. Took a sauna. Found a bobcat den east of second bench.

Sunday, Nov. 24

Snowed ~~most~~ all day. I wrote letters and Christine worked on her classes. I saw a cougar from the airstrip. It was on the hill south of the runway. Took stream temp and increased flow to the waterbox.

Monday, Nov. 25

Shoveled some snow. Adjusted bleed-off valve in creek to allow constant flow through system while maintaining adequate pressure in Taylor Cabin. Put sand in shop stove and fired it up. Started rebuilding small cart. Having to saw most bolt heads off ~~to~~ to get old pieces apart - slow.

Tuesday, Nov. 26

Still haven't caught any woodrats. They're getting real trap wise and making a terrible mess in the duplex.

I nearly finished rebuilding the small cart. Took stream temps. Christine cleaned the cookhouse. Jenson's outfit trailed out today. All stock was loose and Bob Gilliker was riding drag!

Wednesday, Nov. 27

Total of 7" snow after last night's 4" + dump. Big limb broke from tree in front of duplex. Saved it up for fire wood and cleaned up small limbs. Shoveled snow! Finished rebuilding small cart.

Started to assemble new beam-belt; not sure how they go together. Modified large (bobcat?) live trap to maybe catch wood-rats in duplex that keep tripping snap & leg hold traps, but not getting caught.

Ray brought mail with 185 on skins. Elk down to lower pasture this afternoon. Christine continues to work diligently on her correspondence courses.

Thursday, November 28.

Thanksgiving Day. ~~The~~ I made Thanksgiving stir-fry and we drank the bottle of wine we brought in. The recent snow has brought elk down. Three branch antlered bulls in ~~main pasture enjoying haystack~~ on third bench most of day. Cows and calves in main pasture this morning and evening. Five grouse in apple tree beside cabin - eating leaves. We took stream temps.

Friday, Nov. 29

Put together one of the new bunkbeds for the Lankam cabin. Cleaned the chimney in the Taylor cabin. Hauled, (carried) 2 propane bottles, what a chore; tanks aren't empty yet, but soon. Did laundry. Distinct lack of wildlife today. Elk have gotten into the hay stack. There's even elk tracks on the hay wagon. Like to have a picture of that! By the tracks, only one elk has jumped fence to eat hay.

Saturday, Nov. 30

Woke up to elk in main pasture, they're there again this evening.

Some are jumping the fence and getting in the hay. I don't know what could be done to stop them.

Cut up my deer today - what a chore. Christine called New Zealand on radio.

Sunday, Dec. 1

Winter radio hours begin, 9-10 AM and 4-5 PM. Elk in haystack morning and evening. I made improvements to fence around stack, but this evening they just jumped right over the fence. Took stream temps. Wood rat tripped my traps again but I caught nothing. Watched 2 rams butting heads above north pasture this afternoon. Good show which they kept up for a couple hours. This afternoon we found a boreal owl roosting in the wood shed!

Monday, Dec. 2.

Filled out monthly weather summary. Wrote a letter to Jeff Geo. Signed my travel expense form and mailed it to VofA Controllers Office. Built a small dam above the water box to assure water-flow once the weather gets cold and ice forms on creek. Discovered that woodrats started tearing into the new mattresses for the bunkbeds. The damage wasn't too bad but it caused me to get real serious about trapping in both the Furber cabin and the duplex. Assembled another bunk bed. Hurt my back lifting one to set it on top of the other. Elk in haystack again this morning and evening. SA message from Arnold's that Sarah and Phil will be in to caretake Dec. 21. Finished reading the Jim & Holly era Taylor Log.

Tuesday, Dec. 3

Fixed two plumbing leaks in kitchen faucet. Realized the refrigerator quit working even though we turned it upside down a month ago. So I found a chimney brush & cleaned the chimney; I think it's working now. Charged a battery for 5 hours with no appreciable increase of its charge according to the charge tester we have, which I believe is fairly accurate. Cleared all the propane lights, took a small wire the office and they are much brighter. Took steam traps. No elk this morning. Suspected one had been preyed on because of bird activity. Couldn't find anything. Elk back again this evening.

Wednesday, Dec. 4

We packed the airstrip with snowshoes this morning. Worked much nicer than I thought it would.

Christine cleaned house and I assembled two benches. Carl A. called at ~~last~~ lunch to tell us the mail went to be here until tomorrow.

Thursday, Dec. 5

Jeff called this morning regarding scheduling for Christmas and to check up. We put tarps and plastic on the haystack to let our the elk a little. Ray brought in mail and groceries. Took steam temps. Checked the water box; had to increase water press. to the cabin a little. Took the windsock on the west end of the air-strip down since it was ripped out. Assembled another bench but decided not to assemble anymore since they need to be disassembled again to finish them. I caught a woodrat in the Zankam cabin; crawled up in the attic and discovered the brown grease dripping on the floor, through the

ceiling boards; is woodrat excrement
that has built up in front of a nest.

Friday, Dec. 6

We put up a used, but serviceable
windsock on W. end of strip. Removed the
tarp from haystack and put visqueen
in its place since that seems to
deter the elk better. Taped the gate
to the weather box. Mopped up rat
mess in Tanham cabin floor, crawled
in attic and mopped up the source.
Set more traps in duplex and
Tanham cabin. Unbared ashes out
of Taylor cabin stove. A cold rainy,
foggy day.

Saturday, Dec. 7

Some stations reported more than
3" of precip. for yesterday; we had .70".
Tallied up precip. and total snowfall
for 7R. since 1984. Took stream
temps. Increased flow to waterbox.
Hooked up antennae to new stereo-tricky
but worked. Nice to have radio.

Sunday, Dec. 8

Checked traps. Adjusted rate of flow through water pipe. We have settled on enough pressure to fill one cup of water from the cold water faucet in 6 sec. Hiked around Horse Mt. looking for sheep horns.

Monday, Dec. 9

Blocked on access hole for woodrats in the duplex. Christine cleaned in the workshop and I moved a propane light and hooked up the new refrigerator. Checked thermometers in the streams. We've not seen a sheep in three or four days. Elk have been into the hay stack again.

Tuesday, Dec. 10

Jeff called this morning to say new items will come in with Sarah and Phil on the 18th. Mopped the workshop and bunkhouse. Straightened and swept the tack shed and storeroom. Did other chores.

Heard over the 6-county radio the Davis Ranch burned a day or two ago.

Wednesday, Dec. 11

Woke up with no water pressure! The inlet to the water box was plugged. We spent the morning working on the system to further winterize it. Took stream temps. Cleaned and organized the longer cabin. Swept out the Lanham cabin. I'm doubtful that, even with all the tricks we pulled, we'll ~~be~~ keep water to the cabin once temps drop to 0° or less.

Thursday, Dec. 12

Jeff called this morning and asked to have us block off the haystack with black plastic. I wasn't feeling well and we had near blizzard conditions so we'll do it tomorrow. We spent most the day messing with the solar system (PV). We learned the charge controller ~~cuts~~ the ~~current~~ _{cuts}

current to $\frac{1}{4}$ of the amperes
the panel puts out. We messed with
the water system a little also. Since
we lost and got back water the
other day we've had a dramatic increase
in pressure. Before we lost water
we had no press. in the cabin when
the overflow valve was fully open.
We would close the valve $\approx 1\frac{1}{2}$ turns
to give us enough press. to fill
 $\frac{1}{2}$ gal. of water from the kitchen cold
 H_2O faucet in ≈ 30 sec. Now since
the system had air chugging through
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can fill $\frac{1}{2}$ gal. in 15-25 sec. with
the valve (overflow) completely open!
When the valve is closed we fill
 $\frac{1}{2}$ gal. in 8-10 sec. We're confident we
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in ≈ 30 sec. from the cold water faucet in the kitchen delivers enough pressure to take a shower, any flow less than this isn't enough water for a good shower.

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Put ^{black} plastic around the hay barn. At the moment I can see elk in the pasture but it's too dark to see if they've opened their Christmas present early. Took stream temps.

Modified a new humbler so I can get it to stack on top correctly. Messed with the Solar system a little. Jeff called and we gave him the data from the solar system.

Dec. 14, Saturday

Day off but we spent most of it playing with the water and electrical system. It got down to 10°F last night and we

lost the comforting sound of water constantly flowing through pipes under the floor. So, I hooked up a garden hose to the outside spicket and ran it down to the creek. At least now I can see a continuous flow of water. Supposed to get cold again tonight so I'll open the new overflow full force.

We did have been into the haystack since we wrapped it with plastic.

Christine says I'm becoming obsessed with trying to keep water flowing. I'd almost hate to be successful since Jim and Holly were unable to keep water thru 8 winters. Since I tightened some connections at the solar panels we're unable to measure amperes since we have more than our 250ma meter will read. We've also gone as high as 22 volts

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from the panels, and between 8 and 16 volts with indirect light to the panels. We had 2 hours of direct sunlight on the panels today. We've made a chart to keep track of our energy budget. We're refraining from using the CD stereo since its laser seems to be a real energy sucker.

Dec. 15, Sunday

A good flow of water has prevented ice from building up in the waterbox. We still have a garden-hose running to the creek to provide a constant flow. It's been below 10°F the last 2 nights and I anticipate keeping the water to the cabin all winter. Can hear rams butting heads this evening. Coyotes have been howling the last few nights. Spent the day writing letters & Christmas cards.

Dec. 16, Monday

Made data forms to record battery drain from light, radio, stereo etc. Ran wires through attic from B.C. radio to battery. Started keeping track of hourly voltage from solar panels. We were able to measure some charge in the battery after being hooked up to the solar panel all day. Checked the water box twice today and it's maintaining a good flow even though temps. are still low. Cleaned up the sauna. Went through file to find information on power use for the B.C. radio. Hope to balance our energy budget with enough data.

Dec. 17, Tuesday

Finished sanding another bench. Water box is still mostly ice free. Changed the garden hose. Rush Cr. has risen 7' with a lot of ice. We were able to chop, dig, & set thermometers out

and while working ^{hands} underwater we
got the ² thermometer off the cable.
Will relocate thermometer tomorrow.

Did usual chores. Jeff called
to tell us info. on the solar
charger. Twenty seven sheep came
down to the cut bank and hung out
all afternoon. Four or five lambs
and four rams in the herd. We
can cross Big Cr. over ice and see
fish in places where the ice is
clear; just like an aquarium.

7:00 PM: I just heard my dog scuffling
with what I thought was a raccoon in
the front yard. I opened the door, and
in the bright moonlight, was a full
grown mt. lion holding my dog at bay
on the porch. The cougar ran off but
man was my dog excited.

Dec. 18, Wednesday

We woke up with low water press.
Cleaned inlet & outlet ~~in~~ water pipes

Ran all the bleedoffs. Still low
press. Lots of press in orchard.
Bleedoff... Still enough water to
take showers but we lost the
good constant flow that was going to
keep the paper open all winter. Filled
water buckets and chopped hole in Pion-
er Cr. Rigged up a pole for the
Rush Creek water thermometer. Wrote up
lot of stuff for caretakers Sarah & Phil.

Dec. 19, Thursday

Took stream temps. I finally
caught a woodrat in the duplex,
plus one more in the feed shed.
That brings my total up to 4 for the
winter. Maybe now we can close the
duplex. Waited most of the day for
the airplane.

Dec 20 Friday. Sarah & Phil Arrive

First full day in. It was great!
(that pen no good) Phil did wear Ren; we cooked
a big breakfast, perked some coffee, and

watched the hillside. Two groups of rams, totalling 24, were hanging about watching a coyote. He finally got intimidated and trotted away. (the coyote)

After we tired of watching sheep, we went out in search of the water thermometers. Found them, no problem. Hiked awhile up Rush Creek, lots of elk sign. River not frozen yet. Dogs having great time, eating everything they can find - fur, hoofs, bones.

Came back, I worked for afternoon on school stuff; Phil hauled wood up from Lanham - checked blood off on Pioneer Creek. Then we heated up the sauna! Took awhile, but it did get really hot. Kinda nice.

Jeff said not to worry about monitoring battery too much; new meter coming in, so we're just doing it occasionally. I hope we're reading the right scale!

Well, heading out to hike along Big Creek. Later!

21 Dec 90. Another bright and sunny day.
checked Rush + Pioneer Creek Temps.
brought up wood, moved some equip.
down to Lanham. Walked ~ 1/2 way
to Cabin Creek Lodge. Had to get
back to attend to school work.

Phil carted more wood around.

Overcast night; temps rising.

Saw fresh tracks down by big Creek
just west of ranch where cougar
had dragged something up from
Creek bank. Fresh blood. Possibly
beaver? Water still running OK.

> 50 sheep on hill side; 1/2 way up 2nd bench.

22 Dec 90 Almost 30°F Ris AM!

Bermy. Water pressure up to
20 sec / bottle. Turned H₂O heater
back on. Spitting snow out.

~ 24 sheep on 2nd bench. One big ram
shitting ♀ botts. Those woodrats really do
make a mess. Chinking / insulation all
over floor, torn up paper; wood;

black liquid (rat defecation?) everywhere
in duplex. Cleaned it up. Don't
know if Ray caught rats yet -
traps were here, but sprung. I'll
check tomorrow to see if the mess has
reappeared. Phil shoveled snow
for most of the afternoon onto
the water-line from Pioneer Co.
to Taylor Cabin. Hope to keep H₂O
going at least until Ray + Christine
get back so Ray don't get sore at
us! We both hauled some wood
up from piles at Lanham - I made
the rounds of all the buildings just
to get a little fresh air in here.
The old Lab swells badly like gas.
Asked Phil to check pilots - see
if leak somewhere. Couldn't find
source. Kushka ate a few mice.

Sunday 23 Dec Warm again - just
below 30° F in AM. Took day
off and hiked all the way

to Cabin Creek. Nice! All kinds of tracks - cougar, bobcat, coyote. Back just after dark. Ate - bed.

Just a comment - all Re buildings, especially Taylor Cabin - are exceptionally clean! Caretakers been doing a good job - we'll try to keep it up. Maybe we'll set a trap for woodrats tomorrow.

Saw our 1st elk of Re trip today - high on Re ridges west of ranch.

24 Dec 91 Tues

Christmas eve day! I worked thru the morning on Fish Game work / School work. Phil went out to try and figure a way to get the Mercury down on the Pioneer Cr / Rush Cr thermometers. Took a magnet with him which worked well in Rush Cr, but Pioneer Cr. Mercury just wouldn't go down.

Rag + Christine, I hope, are bringing in a new themom. Phil checked out gas smell in the old lab again. - possibly

found source. Valve to stove was open - he shut it; and a crimped pipe to an appliance that is no longer here seemed to be leaking, so he taped it up. Phil also set Rat traps in Shop/Duplex / and Lanham. We both hauled some wood up from Lanham.

And I baked! I made marinated mushrooms; Cauliflower cheese Pie, Potato Soup, and Fudge all in preparation for Christmas.

The Fudge came out like crystallized sugar - tastes terrible. Taylor Ranch needs a candy thermometer! Rat's The problem. We played boggle and had cocktails until 11:00. A late one for us. We tried to see Christmas in but didn't quite make it.

25 Dec 91 CHRISTMAS! Woke up to overcast and very low hanging fog. Hoped for snow for a minute. No luck. Called in weather at 10:00 (Xmas hrs 10-2) and then headed up to Re 3rd bench with Dempsey

and Kushka. Oh-but first we spent a while watching 2 beautiful full-curl rams standing together just below 2nd bench. Thought they might spar some, but they just stood, both rapidly licking their noses. Then one sort of sidled around the other, took a few mouthfuls of grass, and rapidly walked off to the east. The other soon followed.

Spend rest of AM + aft. on 3rd beach, hanging out. Sun broke thro and there was the distinct smell of spring in the air. A ton of tracks and beds up there.

Came down and cooked up a feast. Cornish Hens, sausage, Yorkshire puddings, cauliflower cheese pie, potatoes, gravy, and Pineapple. Pen lay around unable to move for remainder of evening, tho' we had intended to use the sauna. Good-bye Xmas '91!

26 Dec '91 back to work for me (school work).

Phil did stream temps, hauled some wood, and climbed up Peak behind Taylor Cabin. He saw sheep, elk, and even got up above a flying Golden eagle. checked traps in Lanhan / shop / Duplex - no woodrats. Started day in fog - got nice + clear in afternoon. It's been really warm!

27 Dec '91 Got up, had big breakfast, called in weaver, and headed out for the middle fork. Got held up by lower pasture while Kushka chased some elk. About a dozen ♀'s, 2 ♂, and one female Rat looked really under-the-weaver. No obvious limp / broken bones, but she was moving really slow, not keeping up with the group, and looked really ragged. Finally got Kushka back (Dempsey's finally getting too old + slow for chasing big mammals); headed

and 3 deer

off. Beautiful walk - cool but clear out. Big Creek running pretty well, with ice lining banks. Lots of bobcat tracks - in fact, Koshka freed one on way back. small one. Just sat ~ 3 yds up and blinked at us. Got back ~ 6pm. Ate - early to bed.

28 Dec 91.

Cold today. Feels cold, anyway. 19°F. Overcast + grey out. I'm school - working for Re Am - Phil's gone to haul wood and check stream temps. He also fixed hinges on 2 doors on east side of Lanham / Cleaned up rat mess in tack shed (next to hay barn, with horse shoes, etc. in it). We'll set traps down there tomorrow, I think.

I cleaned out back room, moved empty boxes down to tack shed, hauled some wood.

Also got close view of what looked like a Castorock carrying a flying squirrel.

Reading up on ea. side of crk.

29 Dec. Last day before getting ready to head out. Climbed up to Dave Lewis Peak (we think - unsure exactly which one is Dave Lewis peak, followed trail along Pioneer Cr. until we reached the top). Beautiful bright sunny day. I took a nap in a dry spot up here. Then we slip down the steep side - fun! Got back ~ 4pm. Ray A. had been - dropped off 6 drums of fuel for F+G. Sorry we weren't here to help unload.

Saw Cooper ~ 2m up P-creek!

30 Dec. Got up ready to wash, clean, scrub + launder. Had heard from Yeo that Ray + Christine were returning tomorrow. Got message from Carol that Rey won't be in until Jan 2, on the mail plane. So we get to spend New Years at the ranch, and put off cleaning day! Phil worked on woodbox, checked stream temps, traps. No catch yet. Cleaned

have a little. Discovered Rat if one begins a sled up by the old lab, and gives a good push off, you can get going pretty fast all the way down to the big creek bridge. We perfected the art for awhile; Ben, unfortunately, got a little wild + hit a tree. Broke the sled. So we headed in to fix it.

Weather clouding up - snow impending

Dec. 31 Snowed almost an inch. Looks fresh out. Spent day working on sleds - Phil fixed the new one which we had broken, and I sanded down the old one in preparation for varnishing.

Couldn't hardly pull it, it was so rough on the bottom. Phil started to build a wood box for the sauna, but the wood was too wet to cut, so he sharpened saws most of the afternoon.

Celebrated the New Year's eve with a late dinner + some cocktails. Didn't

quite make it until midnight, Ra'.

Jan 1, 1992

Woke up to fog on the ridges again, and a gray sky. Happy New Year!

~~Jan 1~~ cleaned house all day - in prep. for leaving. I did some work. Phil took a walk.

Jan 2 spent day waiting by radio supposed to fly out - Cascade got fogged in, we're postponed until tomorrow.

Jan 3, Friday

Spent last night at Ray & Carol Arnold's. We spent the day putting away and organizing stuff. I hooked up the 6 volt batteries and sent out the battery we ran off since about the middle of Nov. Talked with Mike Schlegel yesterday. He & Dave Hunter

may come in late this month to sample ewes collared for Jim & Holly's study.

Jan. 4, Saturday

Found charger for the Telonica receiver so I can send the radio out to be charged. Cleared the chimney in Taylor cabin. Checked stream temps, and hiked up the ice of Rush $\approx 1/2$ mi. Checked the water box; we still have a very good flow of water through it. Opened the bleedoff in the orchard - something we'll make a habit of doing once a week so we don't lose press. in the middle of the night and have the line freeze up. Filled out the monthly weather summary. Robert tracks on the airstrip and up Rush Cr.

Jan 5, Sunday
Ray brought in the last barrel
of F & D fuel and one cabinet.
We skidded down the main pasture;
pretty fast! We did a few
other chores, but basically took
the day off. Listened to our
German and Russian learning
tapes. We've only seen 3 deer and
2 sheep since we've been back;
animals are pretty scarce.

Jan. 6, Monday
Collected stream temps, checked
the waterbox, and opened water
bleedoff in the orchard. We
sat down, ^{and} organized equipment
and logistics of starting the new
sheep study tomorrow. Unfortunately
Christine spent most of the day in
bed with an unident. bug. If
Christine feels better we should be
ready to stake out the first plot
tomorrow.

Observed a golden eagle roosting on the ground on the west side of Cliff Creek. It eventually flew away appearing unhurt.

Jan. 7, Tuesday

We set up two plots 25×25 m below the ~~second~~ ^{first} benches. Christine came along in spite of her feeling weak from the bug she caught. We started calibrating ourselves to grazing percentages. Worked on our grasses identification plus many other small tasks pertaining to the grazing study.

Jan. 8, Wednesday

I caught a woodrat in the lounge cabin attic. We took stream temps and checked the water box. Established 2 more plots in between the second and third benches. Explored through timber, to East Knot and up to top of ridge hoping to find a pumkin site, but did

not succeed. Snow is too deep to see much of anything but grass.

Jan. 9, Thursday.

Moved one of our plots today and collected plant specimens for determining biomass. We observed 10 sheep, 2 collared, 2 lambs, but were unable to get bite sizes. One sheep was bleeding, we realized later. We don't know the cause, but there was a drop of blood, or more, about every 2 feet. We heard the strangest sound of a distressed animal while eating lunch on the ~~first~~ first bench - the sound was toward the ranch. Upon our return we found remains of our resident rabbit. Two days ago a hawk caught the same rabbit, my dog chased the hawk away but the rabbit was missing its right eye, or the eye was swollen shut. Will miss it.

This morning I learned ~~that~~ all the backcountry radio call signs have changed. Arnolds are W0XXY 491 and everyone else has the same call sign with their original unit numbers.

Jan. 10, Friday

Christine got stream. Temp and checked the watershed while I tried to jack a marker from an old plot out of the ground. The hydraulic jack didn't work, I need to pack some chain and the hydraulic jack up there ~~to~~ now. We got total counts on our first plot and it took us all day. Some confusion on the B.C. radio with the call sign change. Thin elk and ten sheep on the benches the last two days.

Jan. 11, Saturday

Christine did school work and I ~~did~~ trained my dog with an active electronic collar. Twenty nine sheep on ~~the~~ first beach most of the day. Four ewes were collared. At least three lambs, probably more. Elk in lower pasture this morning.

Jan. 12, Sunday

I counted 35 sheep on the first beach today. Toward evening they broke up into at least 3 herds and went separate ways. We checked stream temp. and the water box. I opened the bleedoff in the orchard which doubled water pressure in the cabin. My dog tried to chase some deer this evening; I set her up. Two shots from the electric collar and I think her chasing days are over. We packed up the

little Hoover washing machine.
The drain pump isn't working
but it will gravity feed into a
bucket. I did 4 loads and
thought it worked pretty well.

Jan. 13, Monday

Collected grazing ratios on three
plots. Cold, snowy day; froze our
hind-ends off.

Jan. 14, Tuesday

We did our first one hour
observation today. from the knot
behind, S., the cabin. I disconnected
the O₂ bottle from the welder so
it can be flown out and filled.
Collected stream temps and
checked water box. Cleaned the
woodstove: chimney; air intakes;
secondary combustion chamber (yep
right); and glass. Things were
pretty dirty but it didn't seem
to help much. Still no flame in upper
combustion chamber.

Jan. 15, Wednesday

Collected grazing ratios on one of our plots. Snow was too deep for total counts or pellet removal. Started putting stove pipe together in the Zanham cabin. Ray brought mail about 3:30. He had Jori Hunted on board (Summer intern '89).

Jan 16, Thursday

We saw 22 sheep licking soil from cut bank near the bridge across Big Cr. There were 7 lambs, one with a bad cough sounding like a weak fog horn. We went up to our lower plots but decided snow was too deep to collect total counts and pellet groups. We installed stove pipes for both stoves in Zanham C. Took stream temps. As I write this Christine is on the hill doing a 1-hr. regulate obser-
vation.

Jan. 17, Friday

Observed a group of sheep at about 40 yds. for 30 min. and learned how difficult it will be to get bite sizes. Collected Agg. plants to stratify biomass w/ a plant. Collected cuttings near mouth of Rush Cr. to plant along eroded airstrip and stored them in freezer. Called Jeff this morn. to keep him informed of status of project and ask questions. He was not in but returned our call in the afternoon.

Jan. 18, Saturday

We took stream temps. Checked the waterbox and opened bleedoff in orchard. Did a 1 hr. sheep obs. Took a hike up the ice of Rush Cr. for more than a mile. Collected a bunch of willow cuttings to plant along airstrip. Forty five sheep

on first bench most of day. We saw 14 lambs; 3 rams, and 4 collared ewes.

Jan. 19 Sunday

I tried to fish for whitefish, but no luck. Christine did school work. Bled the waterline

Jan. 20, Monday

M.L. King Day. Took stream temps and obs. sheep for 1 hr. Baked cookies. We saw a group of sheep consisting of 20 total and 9 lambs. Christine worked on school stuff.

Jan. 21, Tuesday

Made another unsuccessful attempt to get bite sizes from sheep. Did total count of G. sp. and B. sp. on one of our upper plots. Long, cold, snowy day; not back to the ranch until after 6:00 PM.

Jan. 22, Wednesday

Well, dammit, we lost water to the cabin last night. The line froze between the waterbox and the orchard bleedoff. Drained the hot water tank and water lines. Organized the cabin and outhouse for life without water. We got up early so Christine ^{could} get up the ridge for a daylight observation while I took stream temps and messed with the water. Spent the afternoon organizing all the maps to be put in the new map case; which hasn't been flown in yet.

Jan. 23, Thursday

Fresh snow so we couldn't continue doing total counts on our plot. Worked on re-doing the wiring system in the Taylor cabin. We brainstormed and came up with ~~an~~ a new water system proposal.

Jan. 24, Friday

Things finally warmed up. Time to work outside without gloves.

Christine did laundry in the Hoover; packed up & heated buckets of water to fill it. She also did a sheep obs. I got stream temps. and worked in the shop all day.

Jan. 25, Saturday

Our clothes dried on the line outside! Christine worked on her classes. I renovated an old crank grinder and with Christine turning the handle dressed the stone. I also built a tool organizing rack. Much overflow on the creek ice. Hoping for a spectacular break-up, but nothing yet.

Jan. 26, Sunday

Christine worked on her correspondence. I ~~can~~ have become obsessed with organizing a place for every tool in the shop. I got another crank grinder working and attached a ~~wire~~ wire brush to it.

Jan. 27, Monday

We did grazing ratios and pellet removal on three plots. Returned late and tired.

Jan. 28, Tuesday

We put my dog in harness to help pull the cart loaded with propane bottles; she seemed to enjoy it!

We keep increasing the weight in her dog pack but haven't slowed her down yet. Christine spread wood chips on icy trails around the ranch. Collected stream temps. and grazing ratios on one plot. Worked in the shop a little.

Jan. 29, Wednesday

I spent most the day working in the shop. Christine cut cheatgrass into 2 cm. lengths and weighed them. We did a 1 hr. animal observation.

Jan. 30, Thursday

We hiked to the top of the ridge

above the benches in search of
fescue and found none. Snow is
still too deep in places we think
it occurs, or else we simply
don't know how to ID it this time
of year. Cold, foggy, frosty day.
Twenty plus inches of snow on top
of ridge.

Jan. 31, Friday

Jeff called this morning. Christine
did a 1 hr. observation. I took stream
temps. and switched the thermometers.
We got out Jess Taylor's surveying
instrument and surveyed vertical drops
for the new water system proposal
were sending to Jeff. We put marks
on the solar panel mounts for the correct
summer and winter angles for this
latitude; 30° and 60° respectively.

Feb. 1, Saturday

We went shopping in mail order catalogues.
Christine did school work. I wrote letters.
Sunny day but not too warm.

Feb. 2, Sunday

Took stream temps. Measured flow in water box 50-75 gal/min. We did an observation. We spotted a single lamb, small, about noon and watched it move from Big Ca. to the second bench by 3:00 PM. Large group of sheep above third bench and we don't think the little guy hooked up with them by dusk. Mail day tomorrow, can't wait.

Feb. 3, Monday

The mail plane didn't show up until 3:00 PM. Ray stayed for an hour to take out any mail needing to be answered.

Feb. 4, Tuesday

Took stream temps. and did an observation. The lone lamb is still alive. We spotted the radio collared lamb for the first time. Christine cut and weighed plants. I worked in

The shop. Hauled a couple bottles of propane up to the Taylor Cabin. We put the dog in harness to help pull.

Feb. 5, Wednesday

We were going to do total counts on plots today but we discovered our new 6 volt batteries were dead.

So, we completely serviced the generator (long overdue), made new charging cables, so the batteries can charge in the house while the generator is outside, and were looking forward to 20 hours of the generator running.

Christine cleaned the chimney and I worked in the shop. Christine also washed some long underwear. We're getting 10+ amps from the generator to the batteries.

Feb. 6, Thursday

Pretty cold today so we stayed indoors cutting and weighing plants.

We had a frigid observation period from 5:00 - 6:00 this evening. We've had the 6 volt batteries on the charger for ~30 hrs. now and we're getting close to half charge. In ~~light~~ sunlight this afternoon, we recorded 1.8 amps at 21 volts, ^{off solar panels} so we are indeed getting real close to the panel's rated 40 watts. We simply need more soldered connections and more panels; ^{and more sunlight.}

Feb Jan. 7 Friday

Cut and weighed more plants. Hauled wood and water. Adjusted voltage on generator which raised output ~~on~~ the charge from 10.5 volts to a little over 12. By the end of the day we decided this increased the rate of charge significantly.

Feb Jan. 8, Saturday

Took stream temps. We had to do a lot of ice chopping to get to the Rush Creek thermometer. We did a

1 hr. observation. We are finally floating all 4 balls in the hydrometer telling us the 6 volt batteries are charged after 76 hrs. night and day of charging. Time spend charging could have been reduced if we'd turned the charger voltage up when we began. Cut and weighed the last of the plants. Did laundry.

¹⁹⁸⁰ Jan. 9, Sunday

Cleaned ashes from the woodstove. Finished drying laundry on the line. I filled out income taxes and Christine did school work.

¹⁹⁸⁰ Jan. 10, Monday

Christine got stream temps. We collected grazing ratios and removed pellet groups from all four of our plots. Fairly warm today; nice to work without freezing your hands. Still hoping for a spectacular breakup, but the creek level has not fluctuated 6" since we flew in in November.

Feb. 11, Tuesday

Too foggy for a scheduled observation this morning. I spent the day working in the shop and Christine used built up comp. time to do school work. Christine also cleaned the cabin.

Feb. 12, Wednesday

We did an observation. Christine collected stream temps. I sanded new furniture. Christine put maps in map drawers.

Feb. 13, Thursday

We did an observation this morning. I repaired and modified two tripods. Christine spent the day organizing data. I sanded new furniture. Mike Schelgel called to say the winter game count crew will be here Monday or Tuesday.

Feb. 14, Friday

We got stream temps. and did a total count on a plot - nice day

Feb. 15, Saturday

We did an observation. Checked the cabins to see what needs to be done before winter count crew comes. Christine worked on correspondence and I read.

Feb. 16, Sunday

Collected stream temps. Cleared up the cabin a bit. Took a sauna; only our second one of the winter, don't trust the stove.

Feb. 17, Monday

We spent the day cleaning cabins, finding clean pillow cases and generally organizing for the F & B's arrival tomorrow. We did a sheep observation.

Feb. 18, Tuesday

Christine spent the day giving the dryer a thorough cleaning - top and everything. I finished sanding furniture and cured wood stoves in the Seabam cabin. Took the Hoover washer apart

to see what kind of belt is needed for the water pump. We experimented with stain and polyethylene to find the right color. Mike Davis brought in the fish & game crew's gear. Two helicopters landed for lunch. Only one copter will be working from here. They gave us a radio for their hourly checkins, since they have to climb to 6500' to communicate with the sheriff's office in Grandville; this will save them time.

Feb. 19, ~~Monday~~ Wednesday
Weather not flyable in most the country so no mail. I bypassed the charge controller on the solar electric system since the batteries are about 10% down and the controller doesn't seem to work anyway. Christine did an observation in the rain and a million other little things including clearing

The stove in the Taylor Cabin. I made and installed reinforcements for the doors on the sink cabinets in the Tarkham Cabin. We both went up $\$$ in the helicopter to count game. We're still monitoring the radio for the choppers' hourly checkins.

Feb. 20, Thursday

Still no mail plane. It's like you woke up Christmas morning and found Santa missed your house. We collected stream temps. Christine counted plants on three of our plots. I refitted doors on the sink cabinet, ^{in Tarkham Cabin} put closures on them and made handles out of deer antlers. I also continue to monitor the fish & game helicopter crews' hourly checkin. Water ran in the irrigation ditches today; not much snow left around the ranch. Christine baked pie for everyone.

Feb. 21, Friday

The fish and game crew flew out in the morning with Mike Doris. Mike wasn't happy about breaking through some mud puddles with his 206 on wheels. Jim Pope headed back to Asotin. Christian did an observation early in the morning. Ray A. brought mail - weather very marginal. We got lots of great stuff, just like Christmas.

Feb. 22, Saturday

We collected stream temps. Lots of standing water, ice & slush on airstrip. Spring - Feb. 15 min. weather, even heard thunder. We did laundry in the little Hoover washer. We hauled up countless buckets of water but got everything washed in about $3\frac{1}{2}$ hours. We got 2.5 amps off the solar panels today. ~50 watts. All that juice went to the batteries since the charge controller is no longer in the circuit. Two Canada geese on creek today

Feb. 23, Sunday

Our clothes dried on the line today. I wrote letters and Christine worked on correspondence course work.

Feb. 24, Monday

We collected grazing ratios on all four of our plots. Snow and rain all day. Had to build a fire at lunch to warm up.

Feb. 25, Tuesday

We did a total count on our last plot. We then located a new fescue plot on the East knob. Now the snow is melted we've discovered lots of fescue. However, it's not easy to differentiate between fescue and Posa this time of year; mostly obvious, but not always. Hicest day we've had yet, rolled up shirt sleeve and worked without gloves. The lone lamb is still alive. We've seen him twice in the last 3 days. Big G. up ~2" from winter level. Collected stream temps.

Feb. 26, Wednesday

Christine went up the ridge early for a 7:30 AM observation. He then went up the other side to get bites: min. and bite sizes from sheep. Still no luck with bite sizes. I started refinishing a desk for the Taylor cabin. I also put putty in cracks of the new cabinets in the Lukan cabin ~~and~~ and can sand them and get closer to finishing all the wood.

Feb. 27, Thursday

We established a feces site near the east knob. We did total counts, grazing ratios, and pellet removals.

Christine got stream temps. Beautiful sunny warm day. Sunburnt our faces and arms a little. Long day, we didn't get back until after 6:00 PM.

Feb. 28, Friday

Threw all the wood out of the woodshed. Cut up that that was

too long and split the too big.
Restacked all the just right wood.
Cleaned up all the mess around the
woodshed. Christine cleaned up
around the house and did an obser-
vation. We took down the plastic
wrapping ^{around} the barn and put it in
the shop attic. Jeff called this morn-
ing to see how things are going and
discuss some misc. items.

Feb. 29, Saturday

Christine did school work and baked
bread. I read books. Foggy day.
Collected stream temps.

March 1, Sunday

We did an observation at 9:00 AM
this morning. Christine did school work. I
made a case for my camera and telephoto
lens from an old sleeping pad - rates right
up here with the best backcountry inventions.
(e.g. pawl wheel puller).

March 2, Monday

Christine spent the day observing sheep - trying to get bite sizes, no luck. I filled out monthly weather summary, collected stream temps, and sawd the rest of wood in the Tanager cabin. We cleared up my mess so I can start finishing things tomorrow.

March 3, Tuesday

Christine did an observation. I then hiked up to ~~the~~ the fescue plot to finish the total count and collect ungrazed fescue for drying and weighing. I started varnishing all the new furniture - didn't even get a first coat on everything. Christine found the first tick of the year in her clothes.

March 4, Wednesday

Christine spent most the day getting data together to send to Jeff. My varnished pieces of wood weren't

yet ready for a second coat. Finished applying first coats. Kept a fire going all night in the Tanham Cabin so things will dry. Started water flowing in the old lab water box - no water.

Ray brought mail about 4:00 PM.

March 5, Thursday

Christine did an observation, worked up, ^{data} and went up the benches to collect feeding data. I was able to get second ~~water~~ coats on some of the furniture. Jeff called this morning to say he et. al. will be in this coming Tuesday for a short visit.

March 6, Friday

We spent the day cleaning up pink around the shop and the Tanham Cabin. We also cleaned up inside the Tanham Cabin a little. Worked late but things look much nicer around here now.

March 7, Saturday
Christine did a 7:30 AM observation. She
cleaned up some cabins while I greased
boots and baked cookies. We all had a
bath including the dog. In bright
sunlight we were able to listen
to the CD player ~~with~~ being powered
directly off the solar ~~at~~ panels.

March 8, Sunday
Christine did more cleaning. She
also planted strawberries and lilly
jets sent in. I cleaned the
stove and that's about it.

March 9, Monday
We did grazing ratios and pullet
removal on all five of our plots.
Didn't get back to ranch until
after 7:00 PM.

March 10, Tuesday
Roy and Helma Kirkpatrick
came in with Jeff this morning.
Christine did a sheep observation.

March 11, Wednesday

Jeff, Roy and Thelma flew out about 11:30 AM. We discussed problems with Jeff regarding the sheep study. Went over arrangement of book shelves, etc. in Jonham cabin. Christine and I planted willow, dogwood, syringa, and birch cuttings along erosion areas of airstrip.

March 12, Thursday

Christine compiled a list of first aid supplies. I trimmed hedges and planted more cuttings along Big Creek. We now have cuttings planted in all erosion-prone spots along airstrip. We surveyed the vertical drop of Pioneer Cr. from the existing waterbox to the cookhouse. Waterbox inlet \rightarrow streambed at cookhouse = 126.04^{vertical} (feet)
Property line \rightarrow streambed at cookhouse = 86.7^{vert.} (feet)
Christine did a 1 hr. observation. I cleared up all debris used to insulate the waterbox and valve boxes.

March 13, Friday

Christini found more first aid supplies to add to the list. We measured the length of Pioneer Creek from the cookhouse to upper waterfalls. I sanded and finished more furniture; nearly got a second coat on everything. Christini cut and weighed dry fescue plants. Ran out of propane at 8:00 PM. I think the 2 bottles have lasted since before Christmas.

March 14, Saturday

Collected stream temps. I did an observation. Put a second coat of varathane on the last pieces of furniture. Christini worked on her correspondence classes.

March 15, Sunday

Christini worked on her correspondence. I jiddled around in shop. We saw a

group of 47 sheep on the first bench.
A robin in the pasture. Thunder
storm in afternoon.

March 16, Monday

Mike Schlegel called this morn-
ing to see how greenup is progressing.
He told us Dr. Dave Hunter may
be in soon to dart sheep and collect
samples from them. We collected a
little more data for the proposed
hydro-power system. I put the data
together and wrote a note to Jeff. Collected
stream temps. I started assembling
furniture and did a 1 hr. sheep obser-
vation. Christine used comp. time to
work on her correspondence classes.
Fifty sheep on first bench today.

March 17, Tuesday

Christine and I got all the
new furniture ~~to~~ in the Takam
Cabin assembled. Christine got Misters
putting screws in. Ok in lower
pasture, ~25.

March 18, Wednesday

We took care of field station correspondence in the morning. Christine did an observation. I put the final (3rd) coat of varathane on the new furniture tops. Rod brought mail late in afternoon. About 5:00 PM I discovered water running in the old lab. Soldered a couple breaks which pressurized the system enough to discover many more. Gave up fixing leaks until tomorrow. Christine counted 40 elk that moved up from the lower pasture

March 19, Thursday

Christine tried to get feeding bout data but came back late and discouraged. I fixed plumbing all day in the old lab. There were 18 broken pipes! Replaced toilet ball-cock and sink drain apparatus. Someone must drain water next fall - This is frustrating.

I'll take the first real shower
in more than 2 months this evening

March 20 Friday

I got water going in Arlow's
cabin. Constructed a rack to
mount the new solar panel on.
Cleaned up an old ammeter
to wire into solar system, then
dropped on concrete - so it doesn't
work anymore - oops. Cleaned the
chimney in the Taylor Cabin. Chris-
tine went up the benches to
collect data on sheep.

March 21, Saturday

Christine studied all day for a
test Ray Arnold proctored late in
the day. I did many loads of laundry
in the ringo washers. I had to work
on the washer motors quite a bit; a carbon
ator nearly fell off one. The thermostat
stuck on the hot water heater but I
realized what was happening and

got it turned off.

March 22, Sunday

Christine baked bread and cookies. We painted 180 by bolts (left over from Janham C. construction) to mark permanent plots for the sheep study.

March 23, Monday

We went up the benches to use Jeff's new modified method of determining available ~~forage~~ forage. After one false start we managed to get two plots done. Returned well after 6:00 PM.

March 24, Tuesday

Finished determining available forage on other three plots, and permanently marked 30 double-minor plots on each site. Returned late again. ^{Found remains of a sheep near 1st bench,} I think it may have been some lamb.

March 25, Wednesday

We got the new solar panel mounted on the roof and started rewiring the system. Christine

did an observation.

March 26, Thursday

We finished installing the new solar panel. Reinforced the old mount and Christine gave it a good coat of linseed oil. Got a good start rewiring the cabin.

March 27, Friday

Finished wiring the cabin, except the 12V outlets which go in the new bookshelves. Christine started moving stuff from the old lab to the new, and did a sheep observation. Jeff called this morning to say the spike and game may be in next weekend to capture ewes, etc.

March 28, Saturday

Played with the solar panels' angle a little. We got $5\frac{1}{2}$ amps at 21 volts in the afternoon. Christine worked on school work. I ground up venison stew meat into burger.

March 29, Sunday

We did an observation. Watched a coyote walk across the first bench while occupied by sheep and deer, the coyote didn't stay long. At least one marmot is awake in the lower pasture. However, the big excitement for the day is that we have realized about a 40% increase in the charge of our 6 volt batteries in only 48 hours of being attached to the new system. WE CAN CHARGE BATTERIES FROM THE SUN - IT WORKS! I have the CD player running with the volume turned way up.

March 30, Monday

I put finishing touches on the furniture in the Takam Cabin then swept the floor and cleaned the place up a bit. Painted corner posts for our plot. Fixed the bed in the

duplex that broke on the Kirkpatrick's. Started cutting out pieces for the new bookshelves in the Taylor cabin. The generator has died. The housing holding the recoil starter is busted and the engine has very little compression. Christie worked on the sheep study by chipping plots all day. We collected stream temps. This morning a herd of 113 elk moved from the third bench and went over the ridge.

March 31, Tuesday

Christie finished chipping the fescue plots. I replaced the thermocouple in a hot water heater which turned into a major project. I also planed and sanded the wood for the new bookshelves; after rewiring the generator. The 6 volt batteries actually bubbled, hooked up to the solar panels today - nice day.

April 1, Wednesday

Test ran the water heater in the
Larger Cabin and it seems to work.
Christine started finishing cabinets
in the Tanham Cabin. I started assem-
bling parts for the new bookshelves for
building for the Taylor Cabin. We were
asked if we could wait until Friday
for mail and groceries - yes, barely.

April 2, Thursday

Filled out monthly weather summary.
Christine went up the east side of
Horse Mt. for an all day observa-
tion; something new we've added to
the sheep study. I finished the
new bookshelves to the ~~point~~ point
of staining them; just need to
apply a couple coats of finish. The
past several days we've built
a fire only in the evening. A red,
white, and blue airplane landed
and took off (206?); didn't turn engine off.

April 3, Friday

Collected stream temps. Christine put more varatham on the cabinets in the Zonham cabin. I finished the new shelves for the Taylor C. and we got them hung and wired in. Undecided about how the desk and shelves look once in place. Ray brought mail, and stream sampling gear from the forest service; took out last refrigerator.

April 4, Saturday

Christine cleaned up closets and the old lab. I fought wiring the new, poorly designed 12V DC outlet, and cleaned the Taylor cabin. Edgar Van der Brift, a student from the Netherlands arrived in the early evening.

April 5, Sunday

Christine and I did laundry. The waterheater in the old lab is still not working correctly - over heating.

Gave Edgar a tour of the facilities.
We also gave Edgar the sheep foraging
study plan for his input.

April 6, Monday

Measured new plant growth on
all our plots. Edgar had an idea
for eliminating some subjectivity which
we will try. Mike Schelzel called
to tell us he and Dave Hunter may
be in tomorrow morning. Edgar is
learning plants as fast as possible.

April 7, Tuesday

Mike Schelzel called to say he'll
be in at 10:00 AM tomorrow. Edgar
~~to~~ began constructing two apparatus that
may reduce subjectivity in our
sampling methods. He and Chris-
tie sorted old from new growth in
fescue, and did an observation. I
attempted to switch on ~~the~~ water heaters
in the lower C. but abandoned the idea. I
got water started to the cookhouse but
as yet am unable to contain the flow w/
the pipes.

April 8, Wednesday

The fish & game did not make it due to weather. Jeff called this afternoon. Edgar and I worked on the cookhouse hotwater heater, will find out tomorrow if we've completely fixed it. We also constructed, and welded, a 2x5 dm plot divided into 5x5 cm² blocks. Christine spent the entire day sorting faeces, and finished.

April 9, Thursday

Collected stream temps. Christine and Edgar did an observation. Edgar studied plants, birds and other things. Christine organized the herbarium and other things in the ~~the~~ Lanham Cabin. I fixed the bleed-off valve to the cookhouse and reburied it, ~~made~~ made a list of veterinarian supplies for Jeff, and read-up on stream sampling procedures. Raining day.

April 10, Friday

Christie and Edgar established another feces plot above the 3rd bench. I installed the water heater in the cookhouse - it is fixed and works properly. I also sanded and varnished some little things and installed the sinks in the Farham Cabin. Heard on the radio this morning that an airplane is overdue. We were asked if we heard any planes yesterday, which we did not. Edgar spotted 5 aces in the lambing cliffs.

April 11, Saturday

Edgar hiked down to Snake Creek. Christie and I did an observation and collected stream temperatures. Drouse are drumming actively.

April 12, Sunday

Found a tick on the dog. We helped Edgar make a grocery list which I called in to Brudell's.

April 13, Monday

Edgar worked up some of the data. Christian weighed plant samples. I wrote a letter to Jeff. We all got involved in a trial run of the stream sampling. We learned the vacuum pump sent to us to draw a water sample through a filter ~~was~~ was broken in transit, and that we used nitric acid in solution form, ours is in granular form. Christian and Edgar did an observation, then we all went up to the benches and signed plots.

April 14, Tuesday

We called the forest and range exp. station in Colo. for more info. regarding stream sampling. Edgar hiked up to Pioneer Peak. Christian and I finished ~~clipping~~ clipping ~~clipping~~ Bute sites, and took the stream samples from Pioneer; Cliff; Rush; and Big Creeks. The fish and game fisheries biologists called to say they'll be in tomorrow.

April 15, Wednesday

Ray brought mail and the fish and game steelhead samplers. Edgar flew out to attend Friday night church services in McCall. The fish and game personnel hooked 9 ~~at~~ steelhead but only landed 2. They also caught numerous cutthroat and bull trout; all in the big hole at the end of the airstrip. Christine and I started building the new "quick-take-down" fence at the end of the ~~airstrip~~ E. end of the airstrip.

April 16, Thursday

Installed the new charge controller, works great. Tested the old controller, as per new instructions, and it is indeed tested. We pretty much finished the new fence at the head of the airstrip. Christine continues to dry plants. The two fish &

Some fishermen harassed the steelhead in the hole at the end of the airstrip again this morning. They hooked 11 in that hole but only landed 4. All fish caught were A run, and they theorize these fish are staying for a run up Rush Creek. They back-packed up to Cabin Creek after noon where they cached some food, and will stay at Jopson's camp.

April 17, Friday

Pasty weather: hard rain, high winds; snow down to third bench. Collected stream temps. Christine weighed plant cuttings. We started putting together the historical display in the Latham Cabin. Moved all the historical items from the Taylor Cabin - the walls look bare. We quit early since we've worked late every night this week.

April 18, Saturday
I did an observation and noticed the service berry is blooming along with many forbs - fragrant smell in the air. Ray flew Edgar back in late afternoon.

April 19, Sunday (Easter)
Christina collected stream temps. We did a pile of laundry. Edgar and I hiked up the West side of Cliff Creek looking for winter killed rams. I found a very old decayed skull of a large ~~the~~ ram but left it where I found it.

April 20, Monday
Jeff called this morning. He'll move in the 3rd of May, and Christina and I will fly out the 6th. We measured plant growth on our plots. Edgar ~~tested~~ collected data, with his new apparatus, & test his method.

April 21, Tuesday

Rainy morning, so we all sorted plants. About 10:30 AM water came in to the Taylor Cabin. This evening yet we still don't have good pressure, but we do have enough. A hot bath will sure feel good this evening. Edgar and Christine worked out plans for turning over the sheep study to Edgar when Christine and I leave. Christine transferred data from field books to forms. I finished the display board for previous research and messed with the water pressure. The orchard is in full bloom.

April 22, Friday

Christine transferred more data. I put finishing touches on the new fence. we put together the historical display. Edgar went up to the plots, in miserable weather, and took ~~some~~ measurements.

with his apparatus. Last evening Edgar found a bear skull near the cougar pen and today he found the skull of a ewe. He's very excited about these finds and hopes to take them back to the Netherlands. Christine and Edgar did a 7 to 8 PM observation.

April 23, Thursday

Christine worked up data this morning.

She got the computer working and started a write-up of the work we have done on the sheep. Edgar went up to the plots, and helped with computer operations. I finished a shelf for the Larkham C. and built two platforms on the E. end: one for propane bottles; and one for a refrigerator. I also fixed the Lottle linkage ~~on~~ on one of the washing masts in ~~the~~ series. Christine cleaned and organized in the Larkham C.

April 24, Friday

Christine and I hiked up Cave Cr. to photograph mountain goats. Edgar went up to the plots.

April 25, Saturday

We continue to photograph mt. goats. Edgar hiked up to Vines Ranch and back.

April 26, Sunday

Christine and I hike back. Today we saw, and photographed: sheep; deer; elk; moose; and mt. goats.

April 27, Monday

Edgar spent the day reading literature pertaining to sheep research. Christine sharpened and adjusted the lawn mower; cut all the lawns and cleared out flower beds. I made a rack for propane bottles at the lab. Turned on the water to the lab and started fixing leaks. We do not have good water pressure to

The Taylor cabin and I can't figure out why, nor can I fix it.

April 28, Tuesday

Edgar read more literature and did an observation. Christine trimmed hedges and turned water on to the duplex. He also started doing the O, or so, bags of ranch laundry. I finished the propane bottle rack and fixed leaks in the lab water system. Sanded the bunk beds in the lab.

April 29, Friday Wednesday

We all went up to do a total count on our last established plot. Later Edgar set traps for mice and woodrats around the ranch. Christine put away laundry, rehung clean curtains in the Super C, and washed the windows. I started putting together a 2 tank hookup for Lab propane system. Blocked off irrigation to lower pasture - all crake high.

April 30, Thursday

Jeff called this morning as we requested; he'll not be in until Monday. Christine finished all the ranch laundry. She finished weighing plants and a writeup for the work done on the sheep foraging study. I finished the two tank hookup for the lab propane. We all cleaned the lab walls and floors. Edgar did an observation.

May 1, Friday

We took the day off since we'll be moving out of, and cleaning, the Taylor Cabin Sunday. Edgar hiked up to Bush Pt.; he reported only pocket of snow. Christine finished drying and putting away the ranch laundry and edited the sheep write-up. I did something. Two backpackers walked past the ranch this morning - no communication.

May 2, Saturday

We spent the day sunbathing, and later we gave the dog a bath.

May 3, Sunday

We packed by noon, and as yet, 8:00 PM, we're not finished cleaning the Taylor Cabin. Edgar and Christine did laundry.

May 4, Monday

Jeff flew in late afternoon & came on 1st bench & feeding along west aspect facing into Cliff Cr.

May 5, Tuesday

Ray & Christine flew out. 5 1/2 curd rains on bench - evening.

walked w/ Edgar to Cougar Cr. saw 1 ewe on grassy slope west of Cougar Cr. at 2000 hrs - 3 rams, 9 ewes & 6 lambs on 1st bench.

May 6, Wednesday

Edgar sampled permanent plots above
3rd bench; I rototilled and planted
garden, read stream thermometer,
wrote draft mounting proposal

May 7, Thursday

Mule Schlegel flew in to radio track
remaining collared sheep; located ewe &
lamb, returned last fall, near Ham Basin,
~ 5 other transmitters still working.
~ 20 elk in lower pasture in morning

May 9, Friday

Edgar & I walked to Cabin Cr.; tried to
locate radioed sheep along way, no
success. Saw 3 ewes, 2 obviously pregnant
near Browns Basin. Observed golden
eagle on nest at Cabin Cr. - same nest
as last year - may be brooding eggs.
3 mule deer also seen at Cabin Cr., ruffed
grouse drumming for part week; very
poor H₂O pressure in Taylor Cabin

May 9, Saturday
Jim Pope, Terry Holubek, & Bruce Rish
flew in (helicopter) to get steelhead
counts; Monumental Cr. apparently
very muddy; Big Cr. too muddy
to count. Evening - all on at bench
& moving to lower pasture.

May 10, Sunday
Went to Great Basin with Edgar.
Tried getting brownweed but no luck.
Saw 2 tracks on slopes west of
Great Basin. 10 elk came down from
east bench to lower pasture
this evening. Couldn't get weather
report and today since signal wire
so weak. Tim chased a coyote at
Canyon Creek.

May 11-12: open pitfall traps at mouth
of Rush Cr.; attempted to put in
pitfall traps on lower pasture
but soil too shallow. Several
mice & shrews were in 2 pitfalls

at Rush Cr. something had pulled the
traps off 2 traps over winter. Small
herd of cow elk (~14) tracking down
to lower pasture each evening
for past 3 nights

May 13, Wednesday

checked pitfall traps at Rush Cr mouth.
nothing caught. put 3 live box
traps there too to see how they do
8 sheep (6 ewes, 2 lambs) at mouth
of Rush Cr across Big Creek. may have
been trying to cross but Tim
chased them back into cliffs
looking forward to getting the
stock collar for him! Put
in 9 pitfall traps in meadow near
mouth of Rush Cr (west side of Rush Cr.)
9 cow elk come down from east bench
in evening

May 14-19: continued trapping at mouth of
Rush Cr. Baited 3 live box traps there,
too. caught several deer mice: 1 shrew

May 20, Wednesday: started hlm to
Challis. overnight at Mormon Ranch,
met Jette at Meyers Cove on Thursday
Edgar stays to watch ranch, record
weather, work on his projects.
had horses shod Saturday, May 23,
Jette & I started in from Meyers
Cove with 3 horses from last
year & one new horse. 2 days on
trail with overnight at Mormon
Ranch. Arrived in good shape
on Monday, May 25. Edgar caught
all marked mice at Rush Cr. but
all died in traps. Intern, Crystal
Middlestead flew in Monday.
May 27, Wednesday: Jette flew out
washed clothes with new hand-
powered washer.
May 28, Thursday: new, white horse
suffered cut on left foreleg above hoof.
doctored and doctored other horses
May 29, Friday: shut down traps at
Rush Cr.

May 31, Sunday: packed gear to Mile Hi
with Blue eyes, Chrystal, & Tim. Pretty hot.
spent night.

June 1, Monday: saw 2 large black bears
at Jeppson's camp at Mile Hi; also
a few groups of elk; some moose seen.
left Chrystal up there about noon;
she'll return on Friday, 6/5.

June 2, Tuesday: Chrystal returned to
ranch in afternoon; she fell last
evening; hurt her back.

June 3, Wednesday: Chrystal flew out on
mail plane; will drop interns hip

June 4, Thursday: set up 15 live traps
on 3x5 grid on lower pasture.

June 5. Edgar hiked to Mile Hi to
retrieve stuff left by Chrystal.
Will return Tues 6/9.

June 6: Steve Zettle: 2 plus 10 horses
stopped by. Gave him bottle of penicillin
for horse. He'll replace.

June 8 Hendee, Soni & Randy
Pitstick in - took Blue Eyes
to Terrace Lake; back on
12th

June 10 - I left for Big Creek to
get Jette & Mathias. Hard rains
for next 4 days; snow at Cabin
Creek. ran into bear near
mule trail; Miss Tenk went over
backwards, panniers flying, cut
her leg. eye some. camped
at mouth of Monumental Cr.
Glory badly lame next day
(6/13). left horse in camp &
hiked to Big Creek. Fortunately
met Jette at 1. Jette hiked back
w/ me. Mathias & the grandparents
went back to Boise. Jette &
I walked Glory loose behind
Miss Tenk back to ranch.
swelling much improved in
Glory's leg. earned at the

time. Apparently Miss Turk hiked
Gloy during night to cause
Anemones + swelling. ^{Gay cow moose near} Gardenck.

June 17: Mathias + Gram flew in

June 20: Jette + Jeff hiked up
Cougar Ck. to survey possible
sampling sites. 40 elk cows
and calves came down the benches
to water. Many crossed Big Ck.

June 21: Edgar found a dead
elk calf on the trail to the 2nd
bench - it's neck was broken
but no marks on its body -
perhaps it fell coming down
the steep slopes with the herd

June 22: 17 ewes and 17 lambs
on first bench from 1400 on
Some on the lick, some of to
the side toward Cliff Ck., some
wandering back ^{of} forth

June 23: The entire 24 sheep
crossed Cliff Ck. just across

Robin & Jim from F.S. Experiment Station is to survey Rush Ck. in relationship to an anadromous fish.

from the Big Ck. bridge & I headed up Big Ck.

June 24: Edgar & Grams out on mail plane. A couple from Beattello stopped by with a lame lama they had rented for a month's trek. Jeff looked at the lama's foot (the couple said they knew nothing about animals and had come here from upper Goat Ck. for help) The foot didn't seem too bad. Jeff doctored it and gave them a little anesthetic to take along. They came in Meyer's Cove / Camas Ck. went up Brush Ck. dropped down Monumental went up to Cold Meadows - Coyote Springs (said there was water) - Papoose Lake to Goat Ck. They plan to return to Meyers Cove in 5 days. Greg is one of Wayne Minshall's master students - he just finished his thesis on a rare snail that lives along the Bruneau River.

We saw members of the F.S. trail crew on the Big Ck. trail. Clouded up in afternoon - brief rain around 2200.

June 25: Nice rain around 1400.

Zeitels' people down the benches with 10 head and 2 people. Edgar saw them go up on the 23rd.

Robin Armstrong & Jim of F.S. experiment station finished Bush Ck. a day earlier than expected (gradient became steeper than acceptable for their study). They saw a cow moose at the mouth of Bush Ck. around 1600. We rode the new horse for the first time. He was well-behaved. Decided to name him Cinramon.

June 27: one ewe on 2nd bench
Worked on connecting solar panel on new lab

June 28th: Bart Smith in
from Challis to shoe
horses. Jim Peck & Jeff
^{Copeland} in from Big Ck
with Jim's stock. Thunder
storms started in late after-
noon & continued through the
night. 6 horses & rider on trail (2nd ^{cre})

June 29th: Patty Steiger (F.S.
trail crew) in with McCall
air to check on trail crew and
"help pop a rock". Pat Peck in
with McCall air. More rain
in afternoon.

June 30th: Jeff & Jim left for
Loom Ck. 2 young cow moose
on the air strip 0430. Heavy
rain afternoon & evening. F.S.
trail crew couldn't fly out.
Big rattlesnake on path between
Taylor Cabin & Duplex, between
the 2 bridges.

July 1: Continued rain. F.S. crew didn't make it out. Ray Arnold made it in with mail plane in late afternoon.

July 2: F.S. crew finally made it out around 1300. Jack Shuttled 2 to Cabin Ck, then returned for 1 and tools. The other 2 walked to Cabin Ck. to be picked up later. Ron of the trail crew reported seeing a golden eagle nest with chick up one of the ravines in the Gorge (first ravine on the left before reaching the cave. Ron helped me repair the corral, then he and Shelly did some work on the fence line between the airstrip and upper pasture.

July 3: Jeff & Jim back from Loon Ck around 1630.

July 4: First sugar snap peas
Jim & Pat Peek spotted the eagle's nest in the Gorge.

July 5th : 26 sheep ; 13 ewes
and 13 lambs around 1100
Elk cows calling around 0400.
Dr. John Singh and Martel
Morache in around 1030.

July 6th : Class in around 0830.
Went up benches. Martel
Morache discussed political
history of RNRW.

July 7th Bill Wall in
around 0900. Class did Rush
Ck plots with Peck. Mathias
walked to top of ridge. Hendee
group cancelled. Dr. John Singh
discussed wildlife in India.

July 8th Martel Morache out
on mail plane. Wayne Minshal
and Robin Van Oakes in from
Challis. Discussed stream
ecology with class 1800 - 2000.
Class did Ram Basin and
Pioneer Ck. plots with Peck.
Peck out at 1700. Chris and 2
grad. students in from Cold
meadows 2000.

July 9th Moose in main
pasture 0700. Class taking
day off to walk to Middle Fk.
with Bill Wall. Two ewes on
benches 1600-1700. Class saw
black bear & cub; two rattlesnakes.
Bill Wall out 1730. Wayne
Minshall et. al. left around 1000
with Glory, Blue Eyes, Miss
Tink and User Friendly, headed
for Chamberlain Basin due to
return July 15th.

July 10th ^{4 people on horseback on trail.} Jeff Edgar and Class
left for Mill High. Johnsingh
went as far as Cave Ck. He
saw a ^{bull} moose, 3 mule deer
and a coyote. Mathias and I
went almost to Labauer Basin.

Ran into 2 rattlesnakes on way back.

July 11th Johnsingh out 1000.
Class back 1730. They saw a cow &
calf moose at Cabin Ck; a coyote
at Mill High 22 head elk (1 for head
horned bicee, 16 cows, 5 calves)
many pilliated woodpeckers.

Just east of Brown's Basin saw 17 ewes & 11 lambs. One ewe had old telocis radio-collars. 11 or 12 people fishing at Cabin Ck. We ran into rattlesnake on airstrip.

July 12th: Steve Achord in with Pioneer Aviation 0845. Steve is with ^{Nat'l} Marine Fisheries. After snorkeling around the mouth of Rush Ck & up and some of Big Ck. He says silt has settled on the bottom of Rush Ck so he didn't see many parr, but saw lots of parr in Big Ck. Weather remains cool for July — so far mean high temp. is 72.67.

July 13th Class up benches working on sheep study (plots placed by Ray & Christine). Steve Achord spoke with us above Salmon after supper. One radio-collar like on 1st bench. Bees were stinging on benches.

Ollie Olson in to check weather station

July 14th Minshall's grad student (Robert Hill) in at 06:30 with Bob's Air. Same plane picked up Robin in Cold Meadows. Steve Achord may bring in pit tagging crew in August to tag parr. 3 elk on 3rd bench 2100. Achord out at 0900.

July 15th 11 elk on 3rd bench 2100
Class up Pioneer Ck setting up terrestrial vertebrate community monitoring sites - doing vegetation sampling. Minshall et al. in at 23:30!

July 16th Minshall et al. did Rush & Cliff Cks. Class went up Rush with Wayne brought back organisms and looked at them under the microscope. Chuck Peterson in around 2000. 21 elk on timbered ^{bench.}

July 17th Class in Rush Ck. Beaver pond with Chuck Peterson. Found spotted frogs, polywoogs,

Minshall's crew saw moose cow and calf just below ranch.

long-toed
a Salamander larvae? Caught several garter snakes (wandering garter snakes) One is pregnant and Chuck could feel 6 babies inside her. Minshall et. al. did Dunce, Goat and Cougar Creeks. Chuck gave a late night slide show of Idaho reptiles and amphibians.

July 18th Minshall et. al off in one plane (shuttled 3 to Calver Ck & came back for 2). Class up Pioneer Ck, checking small mammal traps. Chuck caught a blue racer right by the duplex. We looked all over for a rattler in evening (3 of us) to no avail. Chuck and Jeff worked on timed recording for bird calls and looked at monitoring station, planning the move to the lower pasture.

July 19th Moved the monitoring station - big job! Chuck showed Jeff how to download the data and program the equipment. 4 mule deer on Big Ck trail. Chuck found a rattlesnake right by his duplex door (east side) after lunch. Dick caught a Chinook Salmon (estimated 20 lbs) broke his light weight rod. Chuck and Jeff discovered 100s of Salamander Larva in small pool along airstrip. Last day of small mammal monitoring up Pioneer Ck. At 2200 Mathias gave a talk about grasshoppers and Edgar spoke about his studies in the Netherlands.

July 20th Chuck Peterson out 0800. Finished fence around monitoring station. Big thunderstorm 1500. Cliff Ck. blew out, chocolate brown lots of debris.

July 21st Rush Ck. blew out
in a.m.; Big Ck. running
entirely chocolate brown
by p.m. Class took day off
and hiked to Rush Ck. Pt.

July 22nd Class to Goat and
Cougar Cks looking at knap
weed. Pulled all the knap
weed they could find at
Cougar Ck. Will compare
the two sites. Big Ck. clearing

July 23rd Class to ridge top to
measure plots in Golden Ck.
burn. Big Ck. clearing in a.m.
and running chalky by 1600.
The Chat has moved on. I
miss hearing his range of
unique calls.

July 24th Exam day

July 25th Class out. Willard Geary
in. Ray A. picked up propane bottle

July 26th Tried to hook up solar
system on lab. Assembled
new cart.

July 27th Solar system working!
Lights and computers running in
lab.

July 28th Willard & Jeff put in vent
for restrooms in lab. Jeff
retook pictures of Pioneer Ck sites,
monitoring station, boat & Cougar
Ck. knapweed sites. Saw 2
of Zeitel's crew on trail with 2
horses & 7 mules. They left some
gear on the other side of the river
down from the first flat below
the ranch.

July 29th Willard & Jeff repaired
water line in lab and connected
outside faucet. Hose & sprinkler
really help irrigate below the
lab.

July 30th Hiked to Cabin Ck.
Met Steve Zeitel with a party of
fly fishers (8 in party?). Saw 1
yearling cow moose at Cabin
Ck. Saw Geppson's crew with
2 clients on horseback.

July 31st Hiked up Cave Ck.
planning future monitoring.
Saw adult cow moose at Cabin Ck.
Watched spotter plane cruise
Rush Ck and the jumper
plane come in behind it -
couldn't see the drop from where
we were. Saw 2 planes land
at Cabin Ck & take off.

August 1st Returned to ranch
(Saw adult cow moose & 2
planes standing at Cabin Ck & Gipsy
stock grazing in early a.m.) Found
out there are 2 small fires up
Rush Ck. and a bigger fire on
Big Mtn. They jumped 2 people
last night on one Rush Ck. fire
and 2 this morning on the
other. Smoke jumpers Fred
Pavochek^{sr?} and Kevin Hill hiked
down to ranch (with 150 lb. packs)
around 2000. They will fly out tomorrow
around 0700; the 2 jumpers on
the other fire will hike down
to ranch tomorrow evening.

15 Elk on 1st bench 8/1

August 2nd Jack Seegraves and Dan Pierson hiked down around 1400. Helicopter longlined their gear earlier. Rod came in with new frig just after the helicopter landed in the middle of the strip finally the copter moved over. While Rod was on the ground Ray buzzed us. So much for the peacefulness of the wilderness. ^{Steve Zetell stopped by; has been seeing cow & calf moose just below ranch.}

August 3rd Smoke jumpers out with Lynn Clark at 0700 - another shuttle flight. Edgar left for the Crags.

Planes have killed two grouse on the strip recently. 2 back-packers from Crags on their way to Chamberlain stopped by (1 from Hailey, 1 from Missoula, originally Netherlands).

August 4th More ranch work. Willard built screen doors for shelves in lab kitchen; accomplished a lot during his 12 day stay - lab is becoming liveable.

August 5th Willard out. Two back-packers, Duncan Leonhardy and friend spent several hours here. They hiked in from Hoddard Bridge to Coyote Spring lost their way in the burn and came down Cougar Ck instead of Goat Ck. They were tired & foot sore - had us call Arnolds to fly them from Cabin Ck to Salmon tomorrow. 2 moose, young cow and last year's calf sauntered across the upper pasture at 1700. Heavy smoke sat in canyon all afternoon probably from Lowman fire.

August 6th We hiked to Middle Fork. Saw 3 otters near the mouth; one caught and ate a whitefish. The Middle Fork was crawling with boaters; it was like visiting Yellowstone Park at the height of the tourist season. We camped at Waterfall Campground. Someone had left it trashy and thrown out trout to rot, peeled potatoes and dumped spaghetti in the creek. We picked up all the trash. The Slobs had

also made a big stone fireplace for grilling, piled up firewood and made a hitching rail. Nonetheless it is a beautiful camp site. A golden-colored rattlesnake crawled into camp after supper. Jeff herded him away.

August 7th Woke up with 2 young cow moose at camp. They may have been the same 2 we saw here on the 5th because we saw moose tracks on top of our tracks all the way down Big Ck. and even at the beginning of the bridges.

Saw big clumps of boaters at the Middle Fk. one woman peed right on the trail as tho nobody was around. Met one backpacker who'd hiked from the Crags & up to Stoddard Look out & was on his way back. Jeff climbed up to see the eagle's nest at the Gorge. He came up under it so couldn't see whether the eaglet was still there, but he could see the remains of

meals the laglet had eaten:
bull snake, chuckar, elk calf,
deer fawn on sheep lamb.

August 8th We thought Bart Smith was
coming in with Bob's air to shoe horses
but he's coming in next Saturday.

August 9th Edgar hiked up Cave
Ck but didn't see goats - did
see 2 moose & 2 rattlesnakes.

We had a rattlesnake at the
bottom of the path leading to
airstrip. Fletcher family

(parents w/ 8 year old girl) camped
across river at end of airstrip -
said they were exhausted and
couldn't make it any farther.

Jeff told them it was UT proper
but didn't make them move
because they were exhausted and
had already set up camp.

August 10th Jeff heading
for Coyote Springs via
Cave Cr then back down
Black Butte & Cliff Cr. Jette & Ms W
out. I hate to leave the beautiful wild

August 11th: Jeff returned ~ 2100 hrs
from Coyote Spring trip, much harder
than expected, also hiked much
faster than planned. saw bunch
of ewes + lambs east of Brown
Basin on 10th, white-tailed deer on
Cold Mtn ridge on 11th, elk above
Papoose Lake & on salt lake below
lower pasture on 11th. Frog at
Coyote Springs and in small springs
above Papoose Lake.

August 12th: Edye flew out on
mail plane. I hobbled around &
slept alot. Trip really took
out of me.

Aug 15th: some rain finally today,
also horse show - did all except
Jim's mule. burned all the paper
stuff that's been waiting for rain for
so long.

Aug 17: 1 pack train by today carrying
plastic chairs, etc ~ 10 head going
downstream - better outfit

Aug 19: 2 pack trains - went by today
going upstream; 1 looked like Tadde
w/ Zettler other helper - 10 head.
Other string ~ 10 head with 4
riders - some looking like dudes
multiple helicopter overflights last
evening & today. probably a fire
along Middle fork. 2 rattlesnake
encounters today. One near the
airstrip shed, other along Tsey Creek
below lower pasture

Aug 20: Past-president Gobb, his son
Rich and Rich's friend Jim in for
2 days - fishing. Madeline Perry,
part graduate student of Frank
Scowland's lured in - visited
Frank's memorial site

Aug 22: Gobb sat out. very windy.
Nat'l Marine Fisheries Service in with
6 to set toy juvenile salmon. 5
laundries today. Very windy. Heard
an radio that some rancher

along main Salmon were evacuating.
Aug 24: NMFS crew pit-tagged > 300
juvenile chinook in Big Creek and lower
Nurk Cr. near ranch. They marked
> 450 chinook in upper Big Creek
outside wilderness. Crew saw cow
moose & calf in lower Nurk Cr. & below
ranch (probably same ones), also
sheep (1 w/ collar) ~ 1 upstream
from ranch on north side of Big
Cr.

Aug 27: DeVlieg Foundation in for 2
day. 15 people. ~ 13 sheep on
1st bench & down in Cliff Cr. - 9 ewes
& 4 lambs. 2 hikers stopped by
from Cabin Cr - looking at fishing
possibilities.

Aug 28: Taylor R. Outfitter, up Pioneer
Cr. with sheep hunter

Aug 30: 3 backpackers went by, didn't
stop, probably sheep hunters. Travis
McCoy, works for Steve Zittel, stopped

by on his way to Soldier Bar. His
father drew sheep tag & he's making
rooms there.

Sept 1: 22 head of stock & 3 riders
by this evening. Also ewes on
1st bench ~ 15 total, 6 lambs, 9 ewes
doctored Miss Tink tonight. She's
got a cut on her left front coronet
at the hoof line. She's lame on
it and has been for a couple days.
I thought it would heal itself
but the swelling got worse. Have
to work on it every day now.

Sept 2: Miss Tink is lame; looked
like she had a stick / something
punctured her hoof into the coronary
band. Called Bob Stoll to come in
tomorrow. Tom is swelling a little
better after his encounter with
a spurth Sunday night. I
didn't have any Tomato juice
so used lemon juice and

grapefruit juice. Plus multiple
deputies in Big Creek 2 fellows
hunting sheep stopped by no
success for them as far as
north side of Big Creek. 15
ewes & lambs on 1st Bench - at
least 6 lambs.

Sept 3: cow mare & calf by canal
this morning, heading down stream
Bob Stoll came in. Put Miss Tank
down w/ Hooper to lance her
coronary band (left fore). found
a streak & a lot of pus. gave
penicillin. 4 more doses to give
her plus soaking her feet
in epsom salts 2x ea day.
One of Zittel's poachers came out
of Pioneer Cr. - They've seen
some rams but none a gotten
close. Alas, 4 poachers
came through - didn't stop.
Sept 4: gave Miss Tank her penicillin and

soaked her feet. She's still very lame. Pack string went by about 1300. One rider w/ 6 head. Mouth saddled as probably grazing stock in for hunters.

Sept 5: Jim Peck in this morning. He & Pat Peck will winter here during his sabbatical leave. Shear Utell's outfitmen come through from Cabin Cr w/ hunter. Headed up Pioneer Cr. Con Harrison walked in & stopped. Two other sheep hunters stopped by. Nobody reporting any sheep taken.

Sept 6: cold & more rain today. 3" snow reported in Chamberlain Basin. I can see snow up Pioneer Creek. 4 backaches walked by this afternoon but didn't stop. probably the same 4 I saw earlier this week. Miss Tink is much improved. She had her 4th dose of penicillin.

Ray Arnold flew in this evening with
the rest of Jim Peck's gear.

Jim rode Deer & took mule to Cabin
Cr to be shod. Taddie shod her
without much problems.

Sept 7: mouse-proofed grain shed &
took shed today. Hauled more
firewood to Taylor wood shed.

Jim rode up Cliff Cr to explore for
hunting camps & water. Steve Zittel,
Taddie, & I came through. No one
having any luck getting sheep although
a few rams have been seen
above Burnt Creek.

Sept 9-12: Jim hauled his camp gear
up Cliff Cr to stock his camp.

Found a place overlooking Cougar Cr.
with willow about 200 m below.

Will pack water up there. Several
hunting parties by & Taddie tracking
stock back & forth.

Sept 13: Michael Prounce, wildlife

degradation specialist from
Alberta, in to hunt with
Jim. Flew in with Bob Plummer
Sept 14: Charles Pendleton, recent
UT recreation graduate, flew in
with Ray Arnold to caretaker
ranch. I wrote to Caber Cr to
take fisherman with broken
ankle out. Flew out with salmon
on in evening. Put air spirit
on. Used Ucer to ride here
from Brown's Basin to
anstrup.

Sept. 15: showed Charles the
ranch & what needs to be
done. Yettel's crew came
through up Prover Cr.
with some sheep hunter.
12 days they've been out without
success.

Sept 16: Tim & I fly out on mail
plane. Will be back in October

to trail stock out to Chaltia
Sept 17: First day by myself
and the horses are testing my
patience; I had to fix the fence
by the lake twice.

Sept 18: Saw three outfitter
trains (morning, noon, and late
after noon), first two went
through ranch and up rush creek
with seven packed horses/mules and
one rider each. The third pack
train went up big creek with two
riders and four packed stock. Saw
one white tail deer in the garden
at sunset.

Sept 19: Startled a moose calf
which, in turn, startled me. I looked
for mom and backed up. She was
about 20 yards away and didn't hear
me because she was getting a
drink from big creek. I was between
them until I had backed up and

finally saw her and her one. She then called to her calf and loped over to him. I saw them about 1.5 miles down bigcreek trail. ^{you watch radio freq. 2 other women.}

Sept 20: Whitetail deer was in the garden.

Sept. 21: Jim Pate and Mike came down off mountain with an elk. Saw an older man and woman ^{on horses} with one stock horse heading up big creek?

Sept. 22: Mike flew out at 10 AM with ^{Pilot} Bob Chummer from Challis. Jim Pate & I scared off, what looked like, 2 mule deer about 100 yards up pioneer creek. Two pack trains with five men total, went up cliff creek trail to top of mountain.

Sept 24: Saw a cow moose and calf, make the same two, at the mouth of cliff creek.

Sept 25: Charlie ^{McCetta} ~~McCetta~~ came by for a day. Another person with

a pack horse went up the mountain
by cliff creek.

Sept 26: Jim Peck saw some
sheep (nannies - 5, and some rams).

Sept 27: Went with Jim Peck
to break his & Mike's camp.
Saw a whitetail deer in the
horse corral.

Sept 28: One man on horse-
back, with a pack horse, was
heading up big creek.

Sept 29: Pack train of 3 went
down big creek.

Sept 30: Jim Peck flew out
on the plane my wife, Jeanne,
flew in on at about 12:15 pm.

Oct 1: We saw a pack train
of 5 loaded horses and one guy
on a horse going up the
mountain by cliff creek. It
looked like a bald eagle that was
flying high along the ridge tops

about one mile down big creek trail.

Oct 3: Saw four sheep up the mountain by cliff creek near second lunch up. Two guys (sheep hunters) walked over from sodder bar to use the radio. They called Chalkie in for a plane to take them & three others, with the sheep, home from sodder bar.

Oct 4: Pack train of 5 pack horses and 3 people on horse came from rush creek ^{trail} and went up pioneer creek trail.

Oct 7: My wife Jeanna flew out on the mail plane today. The pack train from Oct 4 came back through towards rush creek trail (I think make they just cross big creek at the end of airfield).

Oct 8: A lot of traffic today with a pack train of 7 (1 saddle horse 1 rider, and the rest pack); a train of 4 (2 riders, and 2 pack); and a train of 2 (1 rider, and one pack horse) heading up the mountain by cliff creek.

Also, a man and woman heading down big creek. Lastly, 2 men from sodier bar came to use the radio for McCall Air to pick up their hunting party of 10. Almost forgot about another pack train of at least 3 (one rider, at least) heading down big creek.

Oct 9: Walked up on 14 sheep up at the salt lick (About 4 of them were kids).

Oct 11: Jeff hiked in from Big Creek. All stock headed up Big Creek. Fiddle

reported seeing across from Tobacco Basin. 2 lambs & 2 ewes on 1st bench.

Oct 12: Jeff hiked up to Canyon Cr. to retrieve stock. 3 lambs and 9 ewes just west of Brown's Basin.

Jim & Pat Peck flew in & Charles Rendleton flew out.

Oct 13: 4 ewes on 1st bench, 2 with collars. 3 strings went by, all gettel's ewes. Blue jay in apple tree next to Taylor Cabin. One of Jepson's crew's border cutter headed alone up cliff to trail.

October 14, 1992

Jim & I (Pat Peck) got here on the 12th and before we got our gear unpacked needed to go upriver to meet Jeff, who was looking for the horses (his 4 & our 3) who got loose. We met him in the 3rd flat

woods with all 7 cutters in tow.
Today was beautiful & warm.
We saw 12 sheep on the first
bench about 9:00 a.m.

Jack Magee flew in with
Bill with Dept of Labor, who
had to inspect the property for
safety. Jeff said it went much
better this year, and he had
few formal complaints.

Ray Arnold flew in with
mail.

A group of deer hunters
came in to use the radio in
order to fly out of Soldier
Bar.

I planted 28 strawberry
plants and some irises near
the back door. They ^{were} weathered
over a month in wet paper
bags inside plastic bags and
stood up amazingly well!

One pack string going
up river - part of Zittel's crew.

Thursday, Oct. 15

5

Jim + Jeff took 4 horses
up river to bring back wood.
Two to ride + 3 to load up. all
went well until that lovely mule
Blossom, decided she'd had enough
manual labor + took off.

It's another bright full day,
but cooler. a small fire in the
stove feels good.

Jim Bennett called + made
arrangements for them to meet
at ^{Meyer's} Meyer's Cove.

Our dinner entertainment
this evening was watching five
fat + happy ruffed grouse
perched in the apple tree
outside the window, munching
the shiny red apples, but

mostly crouching down on the leaves. Their craws were so full that Jim said they had to fly downhill, too much weight to go up!

Each day I haul out my camera to take pictures, because every day the reds seem redder and the yellows are yellower than the day before.

Friday, October 16 1992

Jim was up, paving the floor about 5:30 this a.m.

The horses are gone again and as soon as it was light (7:30) he was gone up river to see if he could catch them. Jeff followed around 8:45, after he reported weather.

Here I am totally alone.
It's 10:00 a.m. and the
guys are miles away by
now. Suddenly I get the
urge to look out the bedroom
window -- and "What is this
It's 7 horses, all snuggled
as close as they can get
in the corner next to the
yard!! I lead them down
to the corral. The white
one won't come in though,
& it takes me about an
hour to coax him in.

About noon I get on
the radio to cabin creek &
Jim & Jeff are just walking
up the trail to their camp,
so I relay the message to
them & they head back home.

I have to meet them and
meet them at Tobar basin

There are 6 ewes + 6 lambs
right above the trail.

We get back home + spot
2 ewes + 1 lamb on the first
bench.

Saturday, Oct. 17, 1992

There are 10 sheep on
second + third bench off
and on from 8 this a.m.
Weather slightly overcast but
mostly sunny.

Sunday Oct. 18,

cloudy and colder today.

An unidentified plane landed
^{legally} on our strip about 1:30, then
took off again.

After dinner entertainment
tonight came in two acts: First,
a pale coyote trotted across
the pasture. Soon after a

doe and two fawns came from left to center stage and posed. As they moved away another doe with two fawns moved into the spotlight. They all pranced, single file, ears up, until they started disappearing to the right, then, suddenly they ~~ran~~ ran back the way they'd come, probably after spotting the coyote!

Didn't see sheep today.

Monday, October 19

Dawn this morning was salmon colored wisps of clouds drifting across baby blue sky shining ~~through~~ ^{across} the V of the mountains, ~~seen~~ through the yellow leaves of cottonwood, orange hawthorne

and magenta of ~~the~~ red
osier dogwood. Outstanding!

We were up, actually
before daylight, feeding
horses and getting ready
for Jim and Jeff to leave
for Meyer's Cove. They'll
spend tonight at the Mormon
ranch.

One rider, ten horses & mules
heading east about 1:00.

One lone rider leading
her horse came down from
the top about 4:00.

As twilight approached, I
searched the mountain and
pasture for signs of life, then
at finally saw the after-dinner
show. A fuzzy gray cotton-
tail nibbling in the lawn!
Also one grouse perched in
the apple tree.

No sheep seen today.
Sunny and mild.

Tuesday, October 20

another sunny, clear day. About 10:00 Faddie, from Zittles camp, hooked her horses to the corral fence. I went down to investigate and she was just meeting one of the gups here. I invited her in + we had a nice visit.

A very quiet day otherwise. Birds around now are mostly magpies, robins, +, of course, owl "fool hens" in the tree. Faddie verified what I saw yesterday. It was an eagle (Bald), ~~immature~~, with white tail & head, flying up down the river.

Three deer in the pasture at dusk.

Wednesday, Oct. 21

Jim flew in with Bob's air from Challis about 11:00. all went well on their trip out. They saw a bob cat at Norman ranch.

There were several strings of hunters coming down Cliff Creek trail.

No sheep today.

This morning at dawn the cottontail rabbit was hopping around the front yard and the grouse were under the apple tree tossing apples around.

Mail plane in about 12:00

Thursday, Oct 22

Another clear, sunny day
I dug some tiny carrots from the garden - enough for 2 meals at least - and a little lettuce also picked a few apples.

in p.m. we did water temp.

in Pioneer + Rush Creek. The
beavers have been very busy
building dams on Rush.

I forgot to mention Tues. the
Laddie said she saw an otter in
the river,

All apples in the orchard are
gone - deer have been busy!

Jim spotted a couple of
sheep late in day on second
bench. Total abt 10 - one with
blue collar. One or two rams I
was ^{sure} sure.

As he was watching the sheep,
Jim noticed a guy run off of
the 3rd bench. After awhile
we saw another guy (or some one)
run down, then back up, then
down. Jim got so curious to
know what they were doing he
went up there. It turned out
the ram I saw was legal
(full curd) and they'd gotten it,

Friday, Oct. 23, 1992

another sunny day, but a definite chill in the air. Jim + I climbed up on bench above the far pasture to do the sheep study plots.

We watched one lone horse-man leading 3 horses come down from Rush Point + head east.

Then, about 10:00, the sheep suddenly materialized right on the bench behind us. There were only about 6 that we could see, and they stood + watched us for sometime before they scampered off. Lady was with us, + watched them with interest, but didn't bark + didn't try to chase them, she stuck right with us, thank goodness.

Later in the day the sheephunter that Jim met last night came

by to visit.

Saturday, Oct. 24

Talk about looking for, (and finding!) a needle in a very large haystack! That's what we did today. We did the veg. work on the upper sheep plots. Didn't do too badly until we got to very last + uppermost one. It was hot, dirt + steep and about 3:00 we're slipping + sliding on the shale, looking for a blue rebar post which is supposedly on s. side of east knob. Jim scanned with his binoculars and I did too, + he finally found it, above the trail as you head up to top going east. Wonders never cease!!

On the way up, we in the draw to east of 2nd bench, we flushed 75 chukars.

We watched 2 golden eagles soaring above rocks west of Cliff Creek.

On way down, about 5:30, we ran into Brett Dayton, the mechanic from Moscow, who shot the sheep, & chatted awhile. His buddy Brad Frick, is a guide in Alaska & knows people Jim knows. They brought along a 75 yr. old friend from Moscow who rode all the way in from Big Creek (he doesn't look like he can even stand up for that long! He's a tough, (& determined) old bird.

4:30 p.m., just at dusk, saw after dinner entertainment was 3 deer in pasture & 5 grouse munching apples & leaves in apple tree.

Sunday, Oct 25 BACK TO STANDARD TIME!

A very quiet day. The sheepherders came to lunch.

the evening we saw 6 deer
filting down the trail around
2nd bench. Jim saw^a pileated
woodpecker fly by. Saw 2
merpansers in the river

Monday, Oct. 26

We walked up to the lick
around the rock face. Jim
saw lots of elk tracks. It
was another sunny day.

Tuesday, Oct. 27

A quiet, sunny day. No
sheep, no deer, one lone
horseman leading 4 mules
going east.

The leaves are off of
most trees except the cottonwood
by the river & apple tree in
yard. Have you noticed, at
night when you are lying
in bed, how the big

out the window
Douglas fir ^v seems lit up
with stars? It's just like
a Christmas tree with the
stars on its branches.

Wednesday, Oct. 28

Slightly cloudy & cooler
today. The mail plane arrived
about 1:00. Sheep about 8:00 a.m.

We did the water temps in
Pioneer & Rush.

Thursday Oct. 29

Jim walked up on the
ridge above the Conyer cabin
and saw a bull elk on the
south side this morning about
dawn.

A red squirrel was playing
under the apple tree with the
goose this morning.

We had rain last night,

1/2 inch, and this morning
the clouds were nestled
between the third bench and
the top. The air smells of
wet leaves and sage.

Friday Oct. 30

The clouds were scudding
around the mountains,
threatening rain or worse,
today, but we headed up to
the highest veg. plate to do
some clipping. We did 3A +
3B, then since it was only 1:30
decided to go to the top & visit
where the camp was.

We saw no critters, except
for a golden eagle, but it is
always fun to see the country
(all the way to soldier bar) up
on top. There's snow on Dove
Jewis Peak and ~~and~~ ^{an} Eagle

Peak, but nothing on the cliff over side yet.

Saturday Oct 31 HAPPY HALLOWEEN!

This morning there was a dust of snow on the top of the ridge, but it was gone by noon.

We went back up to the 3rd bench to do plot 2AB. When we arrived, we noticed 8 bighorns over near our site 3A on face of ridge.

As we walked down ^{2nd bench} we noticed about 4 sheep gazing in profile from top of 2nd bench, watching to see that we get off their mountain.

Tonight we had "salad a la fette". We had 2 kinds of lettuce, chard & tomatoes (ripened in window) from the garden. That's the last of it, except carrots. We still have some of the tiny carrots I got last week.

Sunday Nov. 1.

Today we made a fateful decision! We hiked up to Cabin Creek and on up to Jerry Jeppson's camp up Spring Gulch.

The walk up was cool and ~~stale~~ damp. The Oregon grape ~~color~~ along the trail is bright fiery red, green, spattered red on green as if by paint, and deep mahogany. The red oyer dogwood are outstanding, with dark red stems against grey rocks. Tiny droplets of water hang along the stems like diamonds on a red necklace.

We arrive at the camp in about 3½ hours and have coffee with Bob Billahan, his son Jamie, and another guy. About 10 minutes after arriving the rain starts pounding on

The tent roof.

We leave about 2:15 to head back and the rain starts soon. It never lets up. ^{a steady drizzle} By the time we get to Cabin Creek flats I'm starting to soak through, and an hour later, I'm really soaked.

It's a long, wet, journey home, about 14 miles total on this 55 year old body, and the last 7 is wet! We were both (all 3, Lady was wet + tired too) really glad to get home. My hands were starting to get numb, so I'm sure hypothermia wasn't far off, but a fire + hot tea cures all!!

Monday Nov. 2

We're all three fine today. The snow has dusted all of

The ridge down to 3rd bench
and we have a mix of
snow & rain here all day.

There are 22 sheep on plot 314,
the highest Id. fescue site, and
they've been there all day.

About 4:00 2 horsemen & 8
head of stock going downriver.

Tuesday Nov. 3

We hear a cat outside
& can't believe our eyes (or
ears) I think, of course it's
a baby cougar, but Jim
says no, it's a putty tat
and sure enough, it's a
young kitten. We wave
down a pack train, put
the squalling thing in a
sack & they agree to take it
to their camp at Cabin Creek.
It came from there in the
first place.

There was 8 elk behind
the 3rd bench early this
morning.

Wed. Nov. 4

We stayed up late last
night (10:00!) to listen to the
returns. We got pretty good
reception from San Francisco
~~KFO~~ and KBOI from Boise on
the radio. President Clinton
sounds pretty good!

Today it started snowing
about 10:00 and hasn't let up.
No mail plane!! Also our
guest, Carolyn Schmidt, a
student of Hartmut Gossau,
can't come in, Maybe tomorrow?

We had 3 visitors come in
out of the snow: Don, a guide
in Zettel's camp & 2 guys from
Kentucky had a cup of tea &
a cookie.

Thursday Nov. 5, 1992

Mail plane came today and Carolyn Schmidt came also. She went with us to do the stream temps and visited the study plot on W. side of Rush Creek. In p.m. she took a walk down river to soldier bar.

We saw deer on the slope below Rush Point.

Friday, Nov. 6, 1992

The weather is to change so Carolyn will have to leave today at 11:30 instead of tomorrow. She & Jim walked up to 3rd bench. Saw 3 ewes on 1st bench. 2 riders & 9 pack horses going up Cliff Creek.

This book continues in
larger comp book

9-4-90: arrive Taylor Ranch w/ 8 laborers plus Ron Niekla -
gabions & cabin completion

9/5-9/15: gabions & cabin construction; hauled approx. 25 tons of
rock w/ mules & by hand from center gravel bar
& across Big Creek using stone boat & cart
cabin: finished roof, insulated roof & skirting; installed
windows & doors; built deck on north side of cabin
note: Lon Hammen borrowed ranch saddle (9-7-90)

9-6: state safety inspection

9/16-9/17: cabin: finished deck; shrubbed outside wall - finished
east & west ends

9-17: visit by NOAA representative (Olson)

9/18: crew departs

9/19: Jeff departs w/ Topper, Tody, & Miya for Big Creek
trailhead; unfortunately, Rocky & Top decide to
bulldoze through fence opposite Kuch Cr &
join. Jeff returns w/ full crew to Taylor
Ranch

9/20 1/4 curd ram seen by fishermen below ranch
crossing Big Creek

9-21 Dave Hunter, 10FC vet, flew in briefly spotted 1/2 curd
ram on 1st bench of Cliff la twice

Sat Sept 22 8 hrs. driving day

Sun Sept 23 Helped Jeff get ready to leave and listened to any last minute instructions. Rocky got out soon after Jeff had left. Crossed stream to fence, then over to 1st bench pack into Ranch. Made some saw Horses, and tried to plan how and what to do

Mon. ^{Sept} 24
8-6:30
(10)

Mules still in corral, a lot quieter today. Seen 7 deer in field by cabin, 1 golden eagle in afternoon. Worked on blocking for gable end of cabin, chinking, built new ladder. One one's rungs were splitting and giving out. We got 3 propane tanks delivered from ^{Ray} Arnold in AM.

Tues Sept 25
8-6:30 (10)
dealt with mules till 11

Chased mules, chinked, stacked some knotty pine indoors ready for use in case of rain. Saw @ 25+ sheep today. Afternoon mostly views of Ranch went over slope down into cr. bottom irrigated.

Weds. Sept 26
8-5 (8 1/2)

Fixed fuel tank, side of fuel bin, chinked. Some of logs chinked from last time are coming apart due to no nails holding screen in. Ray Arnold and I guests stopped by Chatter for a bit and Ray used radio.

Th. ^{Sept} 27
8-5 (8 1/2)

Frustrating day! worked on Table Saw, angle arm was stuck and saw wouldn't cut straight, generator still sounds rough, changed oil in it, cleaned fuel reservoir. tinkered with idle speed adj. sounds better no much need for it yet. worked on jig by doing miter cuts on knotty pine. 3 diff sheep hunters came in. One called to verify lift from Soldier Bar. Got set up to do knotty pine in cabin.

Fri 28 Sept
8-5 (8 1/2)

Finally nailed some knotty pine. 2 hunters came in to verify a flight out of soldier bar. Path Schwinn a Forest Service Back country Ranger stopped by.

Sat. 29 Sept
8-5

Walked to cabin Cr. to get mules, as I was @ 1/2 hr from there Dennis Johnson came by with both of them. He said he had to go by here to one of Cons camps anyway so he brought them. So now the mules are back. Worked on cabin. Knotty pine rest of afternoon. Dennis stopped by needed a couple of spoes for one of his horse. He stayed for dinner and left. Fixed up corral a bit and also beefed up fences on other side of Big Cr.

Sun Sept 30
5 hrs. x
mostly caretaker
stuff not work on cabin

Painted weather station and started to make door for back of cabin (where water heater is). Then I decided to take rest of day and read and relax. Then Bill Hickry shows up with Mitch Richardson. They were working on trail @ Mclellan Fork and said they talked to you or someone else at VofI and they were gonna have 4 mules and 2 horses with us. So I headed down to lower pasture to see what needed to be done. They left their Stock tied so as not to follow. Lower pasture was gonna take a while so I came back and closed up good upper one till I could get lower one straightened out. They're supposed to come back the 15th work on trail for 4 days come back the 19th then back again on & off till end of Oct. You & someone else are supposed to know the schedule.

Cobalt Ranger
Stan. jif Stock
run off. Tell
them they can't
be found.

✓ on dolly for
moving full tanks.

Smelt gas when I came back up. @ 7:00pm and pilot lights on stove and water heater were out. Moved full one up and reset pilots. bitch of a time getting full one up here.

Mon Oct 1

8-5 (8 $\frac{1}{2}$)

Worked on lower pasture fencing $\frac{1}{2}$ day. Chinking $\frac{1}{2}$ day.
 Con came by to return Saddle Travis came down
 from burn.

Tues. Oct 2

8-4

Chased horses in A.M. They had crossed river but
 didn't run off. Worked more on fencing in lower
 pasture Steve & Travis came by dropped blanket
 off. Lower pasture should be all set. Moved
 some knotty pine indoors

Weds Oct 3

8-4:30

Fixed empty ^{propane} side of propane fuel bin. got duplex
 ready for putting fire wall behind. Couldn't find any
 hooks or light chain for tanks. used rope for now.
 Covered lumber piles - heavy wind and some drizzle
 thought it might storm

Thurs Oct 4

8-6

prepared and chinked back side of cabin $\frac{1}{2}$ done

Fri Oct 5

Day off Wind Heavy Steady Rain.

Sat. Oct 6

8-5

knotty pine, made door for H₂O heater, heat reflectors
 for duplex

Sun Oct 7

9-5

Doors, misc cleanup.