

File Please

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
SOUTHWESTERN REGION
517 GOLD AVENUE, SW
ALBUQUERQUE, NEW MEXICO

IN REPLY REFER TO

2260

July 1, 1968

Mr. A. L. Hormay
Range Conservationist
Bureau of Land Management
P. O. Box 245
Berkeley, California 94701

9/20/68

Dear Gus:

We will be looking forward to seeing you on November to conduct the Rest Rotation Grazing Course on November 5 - 7. The transfer of funds to take care of your travel expenses will be completed at that time.

The equipment requested will be at the training center.

Sincerely yours,

Frank

FRANK J. SMITH
Assistant Regional Forester





UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Portland Service Center
P. O. Box 3861
Portland, Oregon 97208

IN REPLY REFER TO:

11400-410
(P-712a)

1604

July 3, 1968

Memorandum

To: A. L. Hormay, Range Conservationist, Berkeley, California
From: Director, Portland Service Center
Subject: Training, Rest-rotation grazing - Alaskan Range and
Wildlife Personnel

During the Range Studies training session at Nome last week, Kay Wilkes of our Range Management staff discussed further with Alaskan personnel details of a training session in Rest-rotation grazing during 1969. These people are very enthusiastic about the prospects of such a training session, and I'm sure you will find the tundra - lichen types particularly challenging.

The State Director will contact you further on specific dates and other details.

Edward H. Bygland

cc: WO 712a
cc: SD, Alaska

File Please



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO:
3: 1400-410R2

STATE OFFICE
316 NORTH 26TH STREET
BILLINGS, MONTANA 59101

2003 10/1

Elect

Memorandum

To: A. L. Hormay, Range Conservationist - Berkeley

From: State Director - Montana

Subject: Montana Watershed Planning Workshop - September 16-20, 1968

This will confirm earlier correspondence we have had with you concerning your participation in our Watershed Workshop. Because of the conflict in scheduling, you are on the agenda for Thursday morning. We trust you will be able to make plane connections so as to arrive in Rapid City by Wednesday evening, or Thursday morning. We will arrange to pick you up in Rapid City and get you to Fort Meade.

We will have an opportunity to discuss further your participation in this training session when you are here in late August.

A copy of the agenda is enclosed for your information. I have also enclosed a list of the trainees we anticipate. Most have had, or will have the rest-rotation training. The three engineers and two foresters are perhaps exceptions.

Donald Lysk

Enclosures - 2
Encl. 1-Agenda
Encl. 2-List of Nominees

File



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON, D.C. 20240

IN REPLY REFER TO:
1400-330 (712a)

JUL 8 1968

Memorandum

To: A. L. Hormay, Range Conservationist

From: Chief, Division of Resource Standards and Technology

Subject: Request for Secretarial Service

Your memorandum of June 14 and your need for secretarial assistance has been discussed with the Budget Officer and staff.

We regret it is not possible to take any further action on this matter at this time. The Bureau's operating funds and personnel complement will be constrained this fiscal year in relation to FY 1968. Further constraints may be forthcoming; therefore, requests for additional personnel will receive very low priority consideration and added personnel costs will require further reductions in operating funds.

We will further consider your needs when the budgetary situation eases. In the meantime, perhaps you can work out a more satisfactory solution with Assistant Director Gaines.

George C. Turrent

P. O. Box 245
Berkeley, California 94701

July 8, 1968

AIRMAIL

Memorandum

To: Chief, Range Management Staff (712a), Wash., D. C.
From: A. L. Hormay, Range Conservationist, Berkeley
Subject: Monthly Report, June 1968

Calif.
1. I conducted the range management training session in Sacramento June 4-6 as scheduled. Thirty trainees attended including representatives from the California Department of Fish and Game and Soil Conservation Service, as well as the Bureau. The meeting was quite satisfactory. It became evident that more time should be devoted to annual type ranges in sessions presented in California.

2. On June 18 and 19, I visited the Cumberland Unit, Rock Springs District, Wyoming with the following people:

Wyoming
Rock Springs District
Frank Noll
Jimmie Whiting
Salt Lake District
Dick Hoffman
State Office
Neal Morck
Denver Service Center
Tom Heller
Soil Conservation Service
George Thatcher
Brent Harrison
Rock Springs District Advisory Board
Leonard Hay (Rancher)
Sheepmen and cattlemen representatives
- about 10
Ed Bown, Attorney, cattle interests

On the evening of June 20 most of the stockmen using the Cumberland Unit, Attorney Bown, the agency people just listed and Jim Franks, District

Manager, attended a meeting in the Court House in Kemmerer to discuss management of the Cumberland Unit. I participated by giving my appraisal of the condition of the range, its potential for production, and management possibilities. I briefly outlined the principles of rest-rotation management with the aid of slides.

The attached memorandum to Director Pierson summarizes my impression of the situation.

3. I spent June 24-27 with Paul Rigtrup and Royal Holl, Denver Service Center, reviewing the video tape of the range training session held in Denver May 14-16.

Eighteen reels were taped. Sixteen are satisfactory with minor editing. The equivalent of two reels will have to be redone. A portion of the course on spraying and reseeding was not presented at Denver, so was not taped. This and the other portions will be taped at the next earliest convenient training session. The next three sessions are scheduled as follows: Montana, August 27-29; Utah, September 11-13; Wyoming, October 9-11.

A. L. Hormay

P. O. Box 245
Berkeley, California 94701

July 8, 1968

Memorandum

To: State Director, Wyoming

From: A. L. Hornay, Range Conservationist, Berkeley

Subject: Management Cumberland Unit, Rock Springs District

Satisfactory management of the Cumberland Unit depends on allotting manageable areas to the various stockmen and cooperatively working out a management plan for each area with the user. The type of management to be used has a strong bearing on the delineation of manageable areas, so must be clearly in mind at the start.

Development of a sound management plan, essentially a grazing plan, depends on the stockman having a clear understanding of Bureau objectives (multiple-use) and management proposals, and the Bureau in turn being fully aware of the problems of the stockman, especially those related to the practicability of operations. At the meeting in Kemmerer, June 20, 1968, I gained the impression that such common understanding has not been adequately realized yet. As a first step toward achieving it, the Bureau should make its objectives and management methods more clear to the users.

In most cases sheep and cattle will probably have to be managed on different areas because the animals are handled differently. Each sheepman will probably need a separate allotment. On the other hand several cattlemen may run in common on a single allotment.

Three- or four-treatment rest-rotation grazing systems on cattle allotments and three- to five-treatment systems on sheep allotments should produce good results on the Unit. Boundary and cross fences will be needed on cattle allotments. Fences will probably not be needed on sheep ranges because the sheep are herded.

The Unit is heavily deteriorated overall, but especially on the west side. Sagebrush, rabbitbrush and other inferior plants have thickened on the Unit. Desirable plants have been reduced greatly decreasing grazing capacity. Good forage plants generally lack vigor on principal grazing sites. Soil is eroding over extensive areas because of inadequate vegetation cover.

There appears to be adequate forage on the Unit for the livestock now permitted and for a considerable number of deer as well. However, production of livestock and other multiple-use values can be increased substantially by better management of livestock grazing. Also, additional desirable vegetation can be generated on a large acreage by spraying.

Investments in improved management should pay off handsomely on the Unit. The Bureau should present a concrete management plan to ^{each} the user for his consideration. Then the Bureau and the user should sit down together and work on the plan until it is satisfactory to both parties.

A. L. Hormay

cc: Wash., D.C. (712a)
DSC, George Lea (712a)

P. O. Box 245
Berkeley, Calif. 94701

July 9, 1968

Howard Foulger, Chief
Division of Range and
Wildlife Management
Forest Service
Federal Building
Missoula, Montana 59801

Dear Howard:

The week of May 19, 1969 for the range training school in Missoula fits into my schedule best. However, I can conveniently hold the school the following week if desired. Unless I hear from you to the contrary, I will plan to conduct the school May 20-22 and travel on May 19 and 23.

I would like to have the trainees practice preparing restoration grazing plans for allotments the third day. If possible, please have each trainee come to class with information on an allotment. The information and equipment needed for the school is shown in the enclosed.

Sincerely,

A. L. Hormay

A. L. HORMAY
Range Conservationist

Enclosures

cc: SD, Montana

P. O. Box 245
Berkeley, Calif. 94701

July 9, 1968

Mr. Gene deReus
Land Management Supervisor
Idaho Fish and Game Department
P. O. Box 25
Boise, Idaho 83707

Dear Gene:

I will plan to hold a three-day range school for your group in Boise, August 5-7, 1968. Classroom equipment needed for the session is shown in the enclosed.

I would like to have the trainees practice preparing rest-rotation grazing plans for big game ranges the third day of the school. Can you get the trainees to bring information on 5 or 6 game ranges to class for this purpose? The information needed is shown in the enclosed. In most cases livestock ranges will probably be involved.

Sincerely,

A. L. Hormay

A. L. HORMAY
Range Conservationist

Enclosures

cc: SD, Idaho

P. O. Box 245
Berkeley, Calif. 94701

July 9, 1968

Mr. Frank J. Smith
Assistant Regional Forester, R-3
Federal Building
517 Gold Ave. SW
Albuquerque, New Mexico 87101

Dear Frank:

I plan to have the trainees practice preparing rest-rotation grazing plans for specific allotments the third day of the range school at the Continental Divide Training Center in November. If possible, have each trainee come to class with information on an allotment. The information needed is indicated in the enclosed.

Sincerely,

A. L. Hormay

A. L. HORMAY
Range Conservationist

Enclosures

cc: SD, New Mexico

P. O. Box 245
Berkeley, Calif. 94701

July 9, 1968

Mr. Jack V. Inman
Wallowa-Whitman National Forest
P. O. Box 471
Baker, Oregon 97814

Dear Jack:

I am obligated on the dates you suggested for a range training school in Baker. But I will be finishing a school for BLM in Vale, Oregon on October 18, 1968 and can conveniently meet with you the following week. This is the only free time I have off this year. I am conducting a range school in Region 3 the week of November 4, 1968.

If your meeting can be arranged I would like to see the Pritchard Creek and Goose Creek allotments with the group as you suggested, and then spend the next two days in the classroom. Could the field trip be made on October 21?

The indoor sessions would run from 8:00 AM to 5:00 PM each day. The equipment, materials and information needed for the classroom work are shown in the enclosed lists. The allotment information will be needed the second day when the trainees will practice preparing grazing plans for specific ranges.

If the school materializes please make motel reservations for me from October 19 through the 23rd and let me know of the place. I will be driving.

Sincerely,

A. L. Hormay

A. L. HORMAY
Range Conservationist

Enclosures

cc: SD, Oregon



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON, D.C. 20240

IN REPLY REFER TO:

4112 (712a)

P. O. Box 245
Berkeley, California 94701

July 10, 1968

Memorandum

To: State Directors, Montana, Utah, Wyoming, Oregon and Nevada
From: A. L. Hormay, Range Conservationist, Berkeley
Subject: Rest-Rotation Grazing Training

I am checking on the date and location of Bureau sponsored range training schools to be held the remainder of the calendar year. I have the following information:

State	School	Field Trips	
	<u>Dates</u>	<u>Location</u>	<u>Dates</u>
Montana	Aug. 27-29	Billings	Aug. 20-23 and 26
Utah	Sept. 11-13	Price?	Sept. 9 and 10
Wyoming	Oct. 9-11	Worland?	Oct. 7 and 8
Oregon	Oct. 16-18	Vale	Oct. 14 and 15
Nevada	Nov. 19-21	Elko	None

Please notify me of any discrepancies.

During the third day of the school trainees will practice developing grazing plans for specific allotments. Each Bureau (or Forest Service) trainee should bring information on a range allotment to class for this purpose. The allotment information, equipment and materials needed for the school are shown on the attached lists. Please excuse if you have received some of this information before.

Enclosures + *Bibliography*
Biographical Sketch

A. L. Hormay

P.S. - Montana

A Bureau wildlife conference previously planned for Reno, Nevada, July 1968 is now going to be held in Glenwood Springs or Vale, Colorado, August 21-27, 1968. I have been scheduled to participate in this meeting from the beginning. I am now involved on August 24, Saturday and August 26, Monday.

There is a conflict on the 26th. I was to spend this day in the field in Montana prior to the range training school there. I talked to Rex Cleary about this on the telephone, July 8, 1968 and suggested starting the proposed 5-day field tour in Montana one day early to make up for the 26th. I hope the change in plans does not cause you any material inconvenience.

I plan to attend the Watershed Workshop at Fort Meade Thursday, September 19 and participate as outlined in your memorandum of July 3, 1968.

AIH



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

State Office
3022 Federal Building
Phoenix, Arizona 85025

IN REPLY REFER TO:

RPM 4112.15

July 11, 1968

Memorandum

To: A. L. Hormay, Range Conservationist, Berkeley

From: Chief, Division of Resource Program Management, Arizona

Subject: Rest-rotation grazing training and Allotment Management Plans

Arizona is exploring possible dates this fall for a training course on the above subject. Denver Service Center is also anxious to conduct a training program on allotment management plans. The same people will be involved in these closely related subjects and, as an economic move, we would like to set up a week to cover both subjects.

If this is agreeable with you, could you give us a date or dates in October (except the week of the 7th) or November when you could be available. Your cooperation is greatly appreciated.

cc: Denver Service Center

ROUTING
TO:

PAY CHANGE FOR (NAME)

HORMAY AUGUST L

NATURE OF ACTION
CODE

099 EXEC ORDER 11413

Supervisor's Determination of Employee's Level of Competence

NOT APPLICABLE FOR THIS ACTION

☐ The employee's work is of an acceptable level of competence.

SUPERVISOR'S SIGNATURE (IF APPROVED)

DATE

SIGNATURE

PERSONNEL OFFICER OR APPROVING OFFICER
FED SAL ACT 1967- SECT. 212

ORGANIZATION CODES
REGION BLOCK ORGANIZATION

30 00 08321

EXCESS LWOP
(IF ANY)

SOCIAL SECURITY NUMBER

560640772

EFFECTIVE DATE *
* STEP INCREASE
DELAYS (SEE BELOW)

07-14-68

DATE OF LAST
EQUIV. INCREASE

OLD SALARY

15307.00

GRADE OR LEVEL

13

STEP OR
RATE (ENT. STEP)

05

01

NEW SALARY

16329.00

LEVEL OF COMPETENCE INQUIRY - NOTICE OF PAY CHANGE

*STEP INCREASE
DELAYS

Step increases may be delayed if an excessive amount of Non-Pay-Status time occurs during the 52, 104, or 156-week waiting period. Generally the total Non-Pay-Status time must exceed an average of 80 hrs./year during the waiting period before an increase is delayed.

P. O. Box 245
Berkeley, Calif. 94701

July 15, 1968

Memorandum

To: State Director, Arizona
Attention: Chief, Div. Resource Program Management

From: A. L. Hornay, Range Conservationist, Berkeley

Subject: Rest-rotation grazing training

I am obligated completely with range training sessions and research through this calendar year, so regret I will not have time to participate in a range training school in your State during the period you suggested.

I will be in Phoenix the week of January 6, 1969 at a stockmen's school arranged by the Agriservices Foundation. If it fits your plans, I could stay over and conduct a rest-rotation grazing session for the Bureau the following week, January 13-17. I will have time to conduct such a course later on next spring as well.

Please let me know what you decide.

A. L. Hornay

cc: DSC (712a)
Wash., D.C. (712a)



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
P. O. Box 1048
Dillon, Montana 59725

IN REPLY REFER TO:
4115.16

July 17, 1968

Mr. A. L. Hormay
Pacific Southwest Range & Forest Experiment Station
P. O. Box 245
Berkeley, California 94704

Dear Mr. Hormay:

Enclosed are evaluation sheet for Barretts and Jerry Creek Allotment Management Plans. These evaluations were omitted from our original report submitted to you on April 11, 1968.

Sincerely yours,


R. McEldery
District Manager

Enclosure

cc: State Director, Montana



Management

See page 2

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

District Office

Box 940

Miles City, Montana

59301

IN REPLY REFER TO:

3: 4112.15

July 18, 1968

Memorandum

To: A. L. Hormay, Pacific SW Range & Forest Exp. Station
P.O. Box 245, Berkeley, California 94704

From: District Manager - Miles City

Subject: Allotment Management Plan Evaluation

In accordance with Instruction Memo No. 68-130, attached are several evaluations that were omitted from the original submission dated April 11, 1968.

Allen Whitten

Acting

Attachments

CC - MSO w/forms

Memorandum

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

4114.2B

DATE: July 18, 1968

TO : State Multiple Use Advisory Board Members and Alternates

FROM : State Director, Nevada

Platt

SUBJECT: Cancellation of Summer meeting and field tour

The subject meeting and tour were initially scheduled to allow Advisory Board members the opportunity to examine first hand some of the Bureau's range management and range improvement programs with special emphasis on rest-rotation grazing systems.

Drouth conditions which prevail over much of the Northern part of the State have resulted in an extreme shortage of livestock water and short supplies of range forage. In view of such conditions, both the District Manager and the Winnemucca District Advisory Board have recommended that the meeting and tour be postponed until such time as conditions improve.

In view of this critical situation, we will forego our summer meeting for this year.

Ralla E. Christensen
Acting

cc: District Managers, Nevada
District Manager, Susanville, Calif.
Director
Director, PSC
✓ Gus Hormay
David P. Tidwell, Cal-Neva Project Chairman



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

3: 4112.15

State Office
316 North 26th Street
Billings, Montana 59101

Memorandum

To: Director 711c
From: State Director - Montana
Subject: South Dakota Section, ASNM Tour Conducted by
Joe Wichman

Joe Wichman, Range Conservationist at the Belle Fourche Resource Area Office, conducted the South Dakota Section ASNM summer tour on July 12. The tour covered the Crago Bros. rest-rotation grazing system.

I have attached copies of the two handouts Joe prepared, plus a copy of the Section newsletter announcing the tour. The tour was attended by approximately 80 society members and ranchers from South Dakota and southeastern Montana. Notable attendees included James K. (Tex) Lewis, Head of the Range Management Department, South Dakota State University; Chuck Schumacher, Section President, who is also the Range Conservationist on the Soil Conservation Service State Office staff; James Courtney, President-elect of the Montana Woolgrowers Association; and Ernie Taylor, Secretary of the C&B Cooperative State Grazing District.

Tex Lewis has in the past been an outspoken critic of the rest-rotation concepts. At the conclusion he discussed at length the striking success indicators he had observed throughout the tour. He stated the system was producing dramatic results and was one of the best planned and well thought out grazing systems he has observed.

Also in attendance were several members of the Moreau Grazing Association, including Secretary Jerry Heinbaugh. At one point, Jerry stated that he thought one pasture did not look as good as it should after one and one-half years' rest. Chester Crago defiantly challenged this stating it had made tremendous improvement, and he asked Jerry to take him back and show him what was wrong with it. That ended Jerry's discussion.

I thought you might be interested in a recap of this event. Joe Wichman did an outstanding job of preparing and conducting the tour. I fully expect considerable spillover benefit to our AMP program in both South Dakota and Montana.

I am requesting that a copy of this memo be placed in Joe Wichman's Official Personnel File.

Enclosure - 1
Encl. 1-Handouts

cc:
Director 712a w/enclosure
Gus Horney, Range Conservationist,
Berkeley, California
DM - Miles City
PM - Belle Fourche

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

WALLOWA-WHITMAN NATIONAL FOREST

POST OFFICE BLDG. (P. O. BOX 471)
BAKER, OREGON 97814

IN REPLY REFER TO

July 19, 1968

6140

Mr. A. L. Hormay, Range Conservationist
U. S. Department of Interior
Bureau of Land Management
P. O. Box 245
Berkeley, California 94701

Dear Mr. Hormay:

We received your reply on July 9 and we are glad to hear that you will be able to conduct the Range School for us during the week of October 21.

We will arrange to have a field trip on the 21 and will provide the desired allotment information and lecture equipment for the training school as requested. We will check out the equipment prior to the time the school is to start, as you suggest.

We understand from your letter that October 21 will be spent on the Pritchard and Goose Creek grazing allotments and that October 22 and 23 will be the indoor classroom sessions. Do you anticipate that more than the three days schedule will be necessary to cover all the materials you wish to present? If you do not, then we will notify the District Rangers and their Range and Wildlife Assistants to schedule only October 21 to 23 for this training school.

You enclosed forms to provide allotment inventory data for the second day when trainees will practice preparing grazing plans for specific ranges. There will probably be about 25 trainees and we wonder how many allotments you would wish to have this data prepared for and whether or not it would be desirable to include maps of allotments. We will appreciate your advice on these matters and any others that you think desirable.

When arrangements for the school have been completed, we will make motel reservations for you and inform you of the place.

Sincerely yours,

G. D. CRY
Range Staff



G. D. Cry

Form 1542-4
(August 1965)
(formerly 4-1123)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ROUTING AND TRANSMITTAL SLIP

CODE	TO		ACTION	ROOM NO.
	NAME	ORGANIZATION		
	A. L. Horman, Range Conservationist		5	
	P.O. Box 245			
	Berkeley, California 94701			

Indicate Action by Number

- | | |
|----------------------------|---------------------|
| 1. Necessary action | 6. Note and surname |
| 2. Approval | 7. Note and return |
| 3. Signature | 8. Your information |
| 4. Prepare reply | 9. See me |
| 5. Your comment and return | 10. |

From	Date	Room No.
Bob Jennings	7/19/68	
Office		Phone
Bakersfield District		

Remarks

Gus,

Please review the attached draft of the AMP for Wells Meadow. We would appreciate any comments or suggestions you may have. We'd like to get a final plan typed by August 15th, so the sooner you can review it, the better. Hope all is well with you.

Bob.

P. O. Box 245
Berkeley, Calif. 94701

July 25, 1968

Mr. Jack V. Inman
Wallowa-Whitman National Forest
P. O. Box 471
Baker, Oregon 97814

Dear Jack:

I believe I will have ample time to cover the classroom part of the training course in Baker in two days--October 22 and 23. I'd like to have each trainee handle an allotment in the planning session. That means getting data for about 25 allotments. You may not have information on this number, but have as many cases brought to class as possible.

Do not have the trainees spend a lot of time digging for information or making calculations. Assemble information that is readily available. Estimates and approximations will be sufficient in most cases. Yes, allotment maps will be needed.

I'm looking forward to the meeting.

Sincerely,

A. L. Hormay

A. L. HORMAY
Range Conservationist



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO:

3: 4112.16

State Office
316 North 26th Street
Billings, Montana 59101

JUL 25 1966

Memorandum

To: A. L. Hormay, Range Conservationist - Berkeley

From: State Director - Montana

Subject: Rest-Rotation Grazing Training

I have attached a copy of the itinerary (Attachment A) for your visit the week of August 19. We accepted your offer to start this field tour one day early in view of your conflict on the 26th. In so doing, we assume you will be able to arrive in Billings on Sunday, August 18, in order to be ready to depart at 8:00 a.m. Monday morning. Let us know if you wish reservations for Sunday night, August 18. In any event, let us know where you will be staying and we will arrange to pick you up Monday morning.

The commercial room rate at the Northern Hotel is \$8.00 for a single. The training session (August 27-29) will be conducted in the Rimrock Room of the Northern Hotel. You might also let us know if you would like a room reservation at the Northern during the training session and for what nights.

You might also let us know where in Colorado you will fly to on Friday, August 23 and what time you need to arrive there. There is a good choice of late afternoon flights to Denver. If you can determine what flight you will take that would be helpful as it would indicate how much time we can spend on the Milk River Allotment that morning.

We have several specific problems that we are hopeful you can elaborate on during the training session. The field tour has been designed to give you an on-the-ground perspective of as many of these problems as possible. The problems include:

1. How to develop grazing systems to favor the browse and tree species in the prairies.
2. How to develop grazing systems to favor the emergent vegetation species in the prairies.

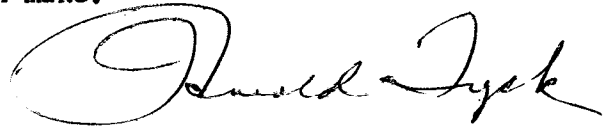
3. How to develop grazing systems to favor commercial timber reproduction.
4. How to develop grazing systems to favor Missouri Breaks deer habitat and still provide fall and winter grazing for livestock.
5. How to develop grazing systems to overcome the clubmoss problem in the Malta District.
6. How to develop and implement grazing systems in sagebrush grass types without spraying the sagebrush. The Dillon District has adopted the philosophy that they cannot implement a grazing system without spraying. They also insist that if a system is implemented, they can never expect to make any significant vegetative composition changes without spraying.
7. How to develop grazing systems that provide enough forage for livestock at turnout time without sacrificing rest for seedling establishment. The Dillon District insists that each grazing formula must provide for the early grazing treatment to follow the rest treatment. They feel this is necessary so that the old growth grass from the rest treatment will be available to start on. Without it they contend the livestock will, in all cases, suffer intolerably. They will not consider developing a grazing formula in any other fashion.
8. Difference between rest-rotation and deferred-rotation. A school of thought has evolved among some of our fellows which holds that there is no difference between the two systems, except the time span required to accomplish the vegetative changes. In other words, every range site has a decreed site potential, and no matter what kind of a grazing system you apply, you will eventually get to the same successional stage. They believe the only difference between rest-rotation and deferred-rotation is that rest-rotation will take you to the ultimate successional stage quicker. Strangely enough, some of our best work is being done in the Malta District, yet some of these same fellows are the strongest devotees to this school of thought.
9. Correlation between plant flowering stage and adventitious root growth. Some of our fellows are unwilling to accept at face values the theory that maximum adventitious root growth has been attained at the time of flowering. We have attempted to obtain a description of the physiological processes which explain this from various plant physiology texts. We can only find general statements concerning the role that the auxins play as growth regulators. It would be beneficial if our fellows could be furnished a concise description of the physiological processes that relate the flowering stage to root growth.

I have furnished a letter from Buck Compton to Joe Wichman (Attachment B) and a response to Buck Compton from Joe Townsend (Attachment C). They demonstrate some of the controversial apprehensions and interpretations that exist concerning the browse species in the prairies. Buck Compton is District Game Manager for the Montana Fish and Game Department in Miles City and he will be attending the training session August 27-29. Doug West is a Wildlife Biologist for the South Dakota Fish and Game Department in Buffalo, South Dakota and you will note he received a copy of Buck's letter. Doug will also attend the training session.

I have also attached a copy of a memo to the Malta District Manager (Attachment D), which asks him to establish specific livestock food habitat studies on the Square Butte Allotment in advance of the field trip. We asked that this be done in hopes that it would be beneficial to analyzing the browse and emergent vegetation problems in the prairies.

I have authorized 48 district personnel to attend the training session. Additionally, I have extended invitations to the outside interests shown on Attachment E. We will apparently have close to 100 per cent acceptance and participation from the outside interests.

We are looking forward to your two weeks in Montana. All the equipment and facilities you requested will be available. Let us know if there are any other arrangements we can make.



Enclosures - 5

- Encl. 1-Attachment A
- Encl. 2-Attachment B
- Encl. 3-Attachment C
- Encl. 4-Attachment D
- Encl. 5-Attachment E

cc:

Director (712a) w/attachments

Attachment A

ITINERARY

REVIEW OF WILDLAND MANAGEMENT PROBLEMS

August 19 - 23, 1968

<u>Participants</u>	<u>Dates</u>
James Linne	8/19 - 23
Gus Hormay	8/19 - 23
Gerald Hillier	8/19 - 23
Don McIntosh	8/19 - 23
Rex Cleary	8/19 - 23
Wes Morrison	8/19 - 23

Monday - 8/19

1. Depart Billings - 8:00 a.m. via chartered plane.
2. Arrive Red Rock Lake Refuge in Centennial Valley approximately - 9:00 a.m. Airplane will hold over until late afternoon.
3. Dillon District personnel will meet the plane at the Red Rock Lake Refuge landing strip at 9:00 a.m. with vehicle transportation.
4. Balance of day will be spent touring problems in developing grazing system for this allotment. A grazing system is desired which, in addition to other objectives, will favor Douglas Fir timber reproduction, moose habitat, elk habitat, and deer habitat.
5. Late in the afternoon at the conclusion of the tour, the plane will fly the group of six to Missoula. The airplane will hold over at Missoula until late afternoon Tuesday.

Tuesday - 8/20

1. The Missoula District will provide transportation to tour the McElwain Creek Allotment in the Garnette Mountains to observe problems in developing a grazing system for this allotment. A grazing system is desired which, in addition to other objectives, will favor Ponderosa Pine reproduction and deer habitat.
2. Late in the afternoon the plane will fly the group of five to Malta. The plane will be released after arriving in Malta.

Wednesday - 8/21

1. The Malta District will provide transportation to tour the Square Butte Allotment. This is the fifth grazing season that a rest-rotation grazing system has been in effect on this allotment. Specific problems to be observed include how to design grazing systems to favor browse and emergent vegetation plus how to overcome the clubmoss problem in the prairies.
2. Return to Malta for the night.

Thursday - 8/22

1. The Malta District will provide transportation to tour the John Robinson Allotment to observe problems in developing a grazing system for this allotment. Two AMP's, each of which had deferred rotation grazing systems, are being combined into one rest-rotation grazing system embracing approximately 3 townships. A grazing system is desired which will favor Missouri Breaks deer habitat and at the same time provide year round grazing for livestock.

2. Return to Malta for the night.

Friday - 8/23

1. The Malta District will provide transportation to tour the Milk River Association Allotment. This is the second grazing season that a rest-rotation grazing system has been in effect on this allotment. Items to be observed include a review of the cooperative waterfowl habitat research project that is being conducted by the Montana State University. The purpose of the research project is to evaluate the ecological effects of rest-rotation grazing systems on waterfowl and waterfowl habitat.

2. The group of five will leave the Milk River Allotment in time to arrive in Billings for Gus Hormay to make flight connections to Colorado on Friday evening. The Malta District will furnish a sedan to drive to Billings.

Attachment B

MAR 6 '68

Townsend

J. FH

Missoula City, Montana
February 21, 1968

Mr. Joe Wickman
Bureau of Land Management
Belle Fourche, South Dakota

Dear Joe:

I have some comments to make on your Cargo Rest Rotation setup. I realize that the system is in South Dakota and out of my jurisdiction. However, I understand there are some systems planned in Montana for the very near future; therefore, I believe my comments are in order.

First off, let me say that the Horney thinking is still quite new in this part of the country and subsequently I think everybody will do some learning in the next few years. What applies in California doesn't necessarily apply here should be a well recognized ecological fact.

As is quite often the case in multiple-use planning, wildlife and recreational values are talked about and considered in the objectives of a plan but methodology to attain these objectives is noticeably lacking in the techniques section. This is demonstrated by your cargo plan. How are you going to re-establish browse species for deer and antelope on the major portions of the allotments with a grazing system geared to graze? The same holds true for sage grouse, when it's documented that Big Sage and not Silver Sage is key to these birds. Big Sage brush is not listed in your plant growth stage chart.

Specifically referring to your grazing treatment diagram: there will be fall grazing during five years of the six year cycle, with three of these years also having spring grazing. By intensive fall and spring grazing on browse plants, food storage and terminal bud areas can both be eliminated. I question whether three years of summer deferment and one year total deferment will be sufficient for recovery. This is the same problem we have on some of our over-stocked deer winter ranges.

Your narrative treatment sequence under F. indicates "rest until flowering, etc." While your chart shows grazing until April.

Apparently this range was badly over-grazed to begin with. Your outline states livestock numbers need not be cut providing the range is not over-stocked to begin with. I believe you mentioned that livestock numbers were increased by 100+ head in 1967, the second year of the program.

Mr. Joe Wichman
February 21, 1968
Page 2

I present these observations to you in view of your request for such and in view of the apparent expansion of the rest rotation systems into Montana. Here again, I was under the impression that the Crago Program was a pilot study. I doubt very much whether enough data has been gathered in two year's time to evaluate the system and provide guidelines for others.

Very truly yours,

H. O. Compton
District Game Manager

cc: Lee Laftala
Dick Ellison
Joe Townsend
Wynn Freeman
Doug West

We are just now starting to plan for the training phase of implementing this program. We hope that it will be entirely operational a year from now. Thus, instead of merely considering wildlife values within the framework of livestock grazing, timber management, soil and water conservation, etc., we will be making long-range plans for wildlife management and implementing these plans in a systematic manner.

Again, I certainly appreciate your comments on the Crago system, and, I am sure that our district personnel in Miles City would be glad to discuss the plan with you.

Sincerely yours,

Joseph E. Townsend

Joseph E. Townsend
Wildlife Management Biologist

cc: DM, Miles City

W. Freeman, Montana Fish & Game, Helena, Montana

Attachment D

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JUL 12 1968

Memorandum

To: District Manager - Malta

From: State Director - Montana

Subject: Rest Rotation Training

We plan to take Gus into the field the week of August 19 before the training session. Two problems we want him to review for specific discussion during the training session, are how to develop grazing systems to favor both browse plants and emergent vegetation.

We have decided that the Square Butte Allotment would probably be as good a place as any to take him to illustrate the problems. Some detailed plant development and livestock food habit information would be extremely helpful in advance of taking Gus out there. Would you please assign at least one individual to make some detailed readings between now and the week of August 19. We would suggest three readings, commencing immediately and spaced about 10-12 days apart--that would provide a total of four readings for Gus's benefit. You would make three on approximately July 16, July 29, and August 9. Then all of us, including Gus, could make the final reading during the week of August 19. What we would like is for you to locate some simple ocular estimates or Cole (if applicable) transects to observe:

1. The degree of livestock utilization, and
2. the plant development stages.

What we are searching for concerning utilization, is what point in time the livestock start utilizing these particular species during the growing season.

The plant species we would like you to observe include:

skunkbrush	chokecherry
winterfat	rabbitbrush
saltbush	silver sage
snowberry	currant
rose	young cottonwood trees
willow	all emergent vegetation species

Please include readings on all the broadleaf browse species if we have omitted some. We cannot remember if you have some of the species like plum and buffaloberry in the allotment. You should also make a note of the plant development stage of some of the more abundant grass species. This latter is for the purpose of looking for a correlation between the change from grass to browse preference, with the plant development or curing stage of the grasses.

[Signed] Harold A. ...

CRCleary:dl 7/12/68

Attachment E Outside Imitations

<u>Association or Agency</u>	<u>Number</u>
1. Montana State Advisory Bd Chairman	1
2. NABC Chairman	1
3. Mont. Assoc SWCD	1
4. Montana SCS	2
5. CM Russel Game Range - BSFW	1
6. Mont. F & G. Dept	2
7. S. Dak F & G. Dept	1
8. Montana Stockgrowers	1
9. Montana Woolgrowers	1
10. Montana Grass Conservation Commission	1
11. Mont. Assoc Coop State Grazing Dist	1
12. S. Dakota SCS	1
13. Rest-Rotation Grazing System Ranches	1
14. Midland National Bank Agric Loan Dept	1
15. Montana Farm Bureau	1
16. Montana Dept of State Lands & Invest.	1
17. Univ of Minnesota - Range Mgt Dept	1

*Idaho Range Use Coordinating Committee
Tour in Utah*

1968

IDAHO RANGE USE COORDINATING COMMITTEE TOUR

July 28-31, 1968

3

Idaho Fish and Game Department - Boise, Idaho

John R. (Dick) Woodworth, Director

Levi Mohler, Research Coordinator

Ray J. Holmes, Member, Idaho Fish and Game Commission
Twin Falls, Idaho

2

Bureau of Land Management

A. L. (Gus) Hormay, Range Conservationist
Berkeley, California

Maurice W. (Scoop) March, Chief, Division of Resource Program
Management, Boise, Idaho

Delbert Fallon, Range Conservationist
Boise, Idaho

5

Forest Service

+ 3

Joseph F. Pechanec, Director
Intermountain Forest and Range Experiment Station, Ogden, Utah

8

James P. Blaisdell, Assistant Director
Intermountain Forest and Range Experiment Station

Selar S. Hutchings, Project Leader
Desert Experimental Range

Frank C. (Jack) Curtiss, Assistant Regional Forester
Region Four, U.S. Forest Service, Ogden, Utah

Robert B. Ferguson, Wildlife Habitat Project Scientist
Intermountain Forest and Range Experiment Station, Boise, Idaho

Others

3

Jackman

John A. (Jack) Pierce, Chairman, Idaho Range Use Coordinating Committee,
Malta, Idaho

L. M. (Bud) Purdy, Picabo Livestock Company
Picabo, Idaho

R. M. (Bob) Henderlinder, Executive Secretary, Idaho Cattlemen's Association,
Boise, Idaho

1

Behrouz Malekpoor - *Foreign visitor* from Iran (FAO fellow)

Part-time Participants

Neil C. Frischknecht, Project Leader
Benmore Experimental Area

FS

A. Perry Plummer, Project Leader
Great Basin Experimental Range, Ephraim, Utah

F.S

(3) { Donald R. Christensen,
Utah Division of Fish and Game, Ephraim, Utah

Stephen B. Monsen
Utah Division of Fish and Game, Ephraim, Utah

Ralph C. Holmgren, Project Scientist
Desert Experimental Range

F.S

{ Donald M. Beale
Utah Division of Fish and Game,
Desert Experimental Range

Owyhee Cattlemen's Association



Marsing, Idaho

July 27, 1968

Mr. Gus Hornum
Pacific NW Range & Forest Expt. Station
P.O. Box 245
Berkeley, California 94726

Dear Gus:

The Board of Directors of the Owyhee Cattlemen's Association have requested that you be given a hearty thanks for your participation in our 20th Owyhee Cattlemen's Convention at Silver City. We were extremely pleased with the way that you presented the material at the meeting and we felt quite badly that our power source was not adequate for your projector.

We hope that you are successful in making your views felt throughout the western part of the United States for we feel that you have a great deal to offer the cattlemen.

Thanking you again for your cooperation, I remain,

Yours truly,

Jesse
Jesse Wilson
Secretary

RM:jh

Enc: Items left at Silver City.