Mr. John R. McGuire  
Director, Pacific Southwest Forest  
and Range Experiment Station  
P. O. Box 245  
Berkeley, California

Dear Mr. McGuire:

The range training sessions to be conducted by Mr. Hormay have been firmly established as originally proposed and our field offices have been notified.

Financing for the detail will be handled slightly different than originally proposed. Mr. Hormay's salary and the indirect costs will be handled by 1081 billing procedure; however, the travel and per diem expenses will be handled directly by the Bureau. We will issue the necessary travel authorization and forward to Mr. Hormay a book of TR's in advance. If this arrangement is unsatisfactory, please advise.

We will appreciate your sending instructions on the kinds of information and data needed to conduct the training, directly to our State Offices, as suggested. The State Director in the State in which the training will be held will be responsible for all arrangements for the meetings and you may correspond directly with him for any arrangement details you desire.

Enclosed is a list of our State Offices.

Sincerely yours,

Glen D. Fulcher  
Chief, Range Management

Enclosure
<table>
<thead>
<tr>
<th>TO</th>
<th>SUBJECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jack Keppert</td>
<td>Harvey Valley Evaluation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FROM</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Jerry Dunford</td>
<td></td>
</tr>
</tbody>
</table>

**MESSAGE**

Jack - In case you haven't heard from John or another source, I thought I'd let you know that the W.O. Division of Range Management has taken action to allocate $2000 to 2.5 for pooling with their (2.5) $2500 for assistance on the Harvey Valley project. This assures $4500 total for completion of the current phase.

**SIGNATURE**

[Signature]

(DESTROY THIS PART, 3 UPON RECEIPT OF REPLY)
August 7, 1964

Instruction Memo No. 64-408
Expires: 12/31/64

To: All SD's and DM's (except Alaska)

From: Assistant Director - Resource Management

Subject: Range Management Training Schedule - Grazing Systems

The services of Mr. G. Hormay, who is employed with the Forest Service in the Pacific Southwest Forest and Range Experiment Station, have been obtained to conduct a series of training sessions for Bureau employees on grazing systems. During the limited time he will be available, only five sessions will be possible and the following schedule has been developed:

<table>
<thead>
<tr>
<th>States</th>
<th>Location</th>
<th>Preparation Period</th>
<th>Training Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Idaho &amp; Oregon</td>
<td>Boise</td>
<td>9/14-18</td>
<td>9/21-25 →</td>
</tr>
<tr>
<td>Montana &amp; Wyoming</td>
<td>Billings</td>
<td>10/5-9</td>
<td>10/12-16</td>
</tr>
<tr>
<td>Utah &amp; Colorado</td>
<td>Salt Lake City</td>
<td>10/26-30</td>
<td>11/2-6</td>
</tr>
<tr>
<td>California &amp; Nevada</td>
<td>Reno</td>
<td>11/9-13</td>
<td>11/16-20</td>
</tr>
<tr>
<td>Arizona &amp; New Mexico</td>
<td>Albuquerque</td>
<td>11/30-12/4</td>
<td>12/7-11</td>
</tr>
</tbody>
</table>

The preparation period will be utilized by Mr. Hormay for field trips to observe first-hand the conditions and problems on several allotments in each State; he should be accompanied by State Office and District personnel as necessary to acquaint him with local conditions. The training sessions will be conducted as formal classroom training following the preparation period. During the last two or three days of each classroom session, trainees will be analyzing and preparing grazing plans for selected allotments from their States. Three or four men will work as a group on an allotment, so data and maps on vegetative types, utilization, etc. will be needed on several allotments, depending on the number of participants. This information should be assembled in time for Mr. Hormay's field trip prior to the training sessions.

Instructions will be forthcoming from Mr. Hormay on the kind of information needed and he will make other final arrangements for the meeting as necessary. The instructions will be sent directly to the State Offices.
It is suggested that the Chief, Division of Range and Forest Management and the State Range Specialist attend the sessions along with the District Manager and two range management personnel from each district. If prior commitments and funds will permit, additional personnel may participate. Personnel who have previously attended training sessions conducted by Mr. Hormay will not be expected to attend the Bureau sessions.

The Bureau is very fortunate in being able to obtain the services of Mr. Hormay on this very important grazing management system. It is imperative that Bureau personnel acquire the maximum benefits possible from this training and that any requested information be assembled and made available for Mr. Hormay's use.

The State Director in whose State the training session will be held will be responsible for securing space for the conduct of the training. The participating State Director will supply the host State Director with the names of the personnel who will attend. The names of all participating personnel should also be furnished this office.

Each district office should begin preparation for the training by assembling data on at least one allotment for use in the training sessions.

Distribution:
FAO's, FCR's, HE's
Per
B&F
IA - 15
D&RM - 5
712a - 15
INSPL
Memorandum

To: Assistant Director - Resource Management

From: State Director, Utah

Subject: Range Management Training Schedule - Grazing Systems

Reference is made to Instruction Memo No. 64-408, on the above subject.

In the rest rotation grazing system, which will be the principal system discussed by Mr. Normay, there is a need to have a record of total usable forage on allotments without reference to proper use factors. If Mr. Normay wishes to have this data available on the allotments to be analyzed we should be so informed in order that we can take our type writeup sheets and estimate total usable forage from the data available there.
August 17, 1964

Your reference: 4412.4

(45a)

AIR MAIL

Dr. Glen D. Fulcher
Chief, Range Management
Department of Interior
Bureau of Land Management
Washington 25, D. C.

Dear Dr. Fulcher:

Your suggested arrangements for financing Mr. Hormay's detail are entirely satisfactory with us. We will look forward to receiving a travel authorization and a book of Travel Requests from your office.

We appreciate receiving the list of State Directors. Mr. Hormay is corresponding directly with those people concerning arrangements for the meetings.

We feel that the training sessions should be of considerable direct benefit to your people, and we are certain that we will gain from Mr. Hormay's association with the range scientists that he will meet in the Bureau of Land Management.

Sincerely yours,

JOHN R. McGUIRE

cc:  Parker, W.O.
     DeNio, W.O.
     Bacon
     Keller
     Hormay
BIA State Directors: Idaho, Oregon, Montana, Wyoming, Utah, Colorado, California, Nevada, Arizona and New Mexico

Dear Sirs:

Dr. Fulcher's memorandum of August 7, 1964 to you outlines arrangements for conducting range training classes for Bureau of Land Management personnel.

The training course will be presented in terms of cattle range management. However, the management principles developed can be applied to sheep and game ranges as well.

During the latter part of the training course, trainees will practice preparing management plans for specific allotments in their state. A group of four men will work on an allotment and each group will handle two allotments. Thus where there is a total of 16 trainees in a state, 8 allotments would be studied.

Information needed on these ranges include: (1) inventory data, (2) a vegetation type map, and (3) a range utilization map. Forms are enclosed for the inventory data. Please fill them out completely, estimating (or even guessing) values where recorded or measured data are lacking.

Also please prepare a colored type map for each allotment on a scale of 2 inches equal 1 mile or greater showing natural vegetation types, artificially reseeded areas, and areas, 160 acres in size or larger, devoid of vegetation (water, rock, bare soil). Show existing fences and water developments.
In addition, please prepare a range utilization map on the same scale as the vegetation type map showing the following:

1. Area grazed by livestock at present.

   Show 6 degrees of use within this area as follows:

<table>
<thead>
<tr>
<th>Utilization percent</th>
<th>Utilization description</th>
<th>Map color</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>No use for practical purposes</td>
<td>Blue (light)</td>
</tr>
<tr>
<td>3-25</td>
<td>Light</td>
<td>Blue (dark)</td>
</tr>
<tr>
<td>26-50</td>
<td>Moderate</td>
<td>Green</td>
</tr>
<tr>
<td>51-75</td>
<td>Heavy</td>
<td>Yellow</td>
</tr>
<tr>
<td>76-97</td>
<td>Very heavy</td>
<td>Orange</td>
</tr>
<tr>
<td>98-100</td>
<td>Complete use for practical purposes</td>
<td>Red</td>
</tr>
</tbody>
</table>

   1/ Of total tonnage of available forage. Delineate areas 10 to 20 acres in size in utilization classes 50 percent and greater.

2. Area producing livestock forage and usable by livestock but not grazed at present because of lack of water or other factor. Color brown.

3. Area not usable by livestock under any practical circumstance--waste range. Leave uncolored.

If you do not have the information for these maps in your files, we suggest that the ranger or one familiar with the range sketch them out on the basis of his best judgment. Great accuracy is not vital for the present purpose.

Mr. Hormay would appreciate seeing 2 or 3 of the study allotments in each state prior to the classroom sessions. We hope you can assemble the background information on the allotments by that time.

The study allotments should be representative of average conditions and problems. Do not include obviously over-stocked or under-stocked ranges, or those presenting unusual situations. But do include lightly- or moderately-stocked and heavily-stocked ranges and those exhibiting moderate and heavy deterioration.

The following teaching aids will be needed in the classroom:

1. Two - 35 mm. slide projectors (same focal length lenses) Kodak carousel type.
2. Two - Projection screens for above.
3. Two - Easels to accommodate paper sheets 3' x 4' (approx.) in size. Supply of paper - 100 sheets - for above.

4. Four - Black and red ink marking pencils.

5. One - Pointer.

Mr. Hormay will notify you of his arrival at a future date. Please let us know where you would like him to report. When his arrival date is settled, will you kindly reserve needed lodging accommodations for him and notify us of arrangements.

Sincerely yours,

[Signature]

E. G. DUNFORD
Assistant Director

Enclosures

/cc: G. D. Fulcher
This is in reply to Rummell's memorandum of July 31 relating to a training guide and a Grazing Systems Brochure which we have agreed that Mr. Hormay will prepare.

On August 4 we wrote to the appropriate regions stating that the training guide was in preparation and would be ready within the current fiscal year. We assume the copy of this memorandum sent to Mr. DeMio's office must have crossed in the mail with Mr. Rummell's memorandum.

The Grazing Systems Brochure presents a slightly different problem. Mr. Hormay has not been able to proceed with this task on the agreed schedule for two reasons. One is the matter of time available for its preparation; he has had a set-back this spring and early summer due to illness, and now he is involved in a training assignment with the NIM, as you know. This assignment will involve him fully until the end of the calendar year. A second problem relates to Mr. Hormay's doubts about his ability to give objective treatment to all grazing systems in accordance with suggestions in Mr. DeMio's memorandum of March 21, 1963, and comments in a follow-up dated January 15, 1964.

Despite these problems, Mr. Hormay will proceed with the Brochure as soon as possible. In view of his reservations, however, it may be desirable to consider a joint effort in which descriptions of systems other than rest-rotation be supplied by people in other stations having more direct knowledge of these alternate systems. We are not sure of what Mr. Woolfolk had in mind when the original commitment for the Brochure was made. We presume he intended to assist in its preparation and assure full and objective treatment. None of our present staff has sufficient experience with various management systems to provide this help.

cc: Parker
Hormay

EGDunford:etr

ego (a)
United States 
Department of the Interior
Bureau of Land Management
State Office
2002 Capitol Avenue
Cheyenne, Wyoming 82001

August 27, 1964

Mr. E. C. Dunford
Assistant Director
Pacific Southwest Forest & Range
Experiment Station
P. O. Box 245
Berkeley, California 94701

Dear Mr. Dunford:

I appreciated receiving your letter of August 18th. We are looking forward to Mr. Hormay's training course with considerable pleasure.

With regard to Mr. Hormay's proposed trip to Wyoming, it will probably be more convenient for him to meet one of my staff in Casper, Wyoming rather than in Cheyenne due to the location of our District Offices. Casper is serviced by both Frontier and Western Airlines.

As we do not know how long Mr. Hormay will be in the state, we have not prepared a detailed itinerary. However, we tentatively suggest having him visit two or three districts and terminating the tour in either Riverton or Worland, Wyoming -- both of which are serviced by Frontier Airlines with direct connections to Billings and Denver. I will contact you further when his arrival date is known.

Sincerely yours,

[Signature]

Ed Pierson
State Director

cc:
SD, Montana
Director, Wash. D.C.