

AD-514  
(10-57)

U. S. DEPARTMENT  
OF AGRICULTURE

DATE

May 13/58

REFERENCE SLIP

REFERRED TO

E. J. Woolfolk

- Action.
- Approval.
- Attention.
- Commission.
- Consideration.
- Copying.
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- Initials.
- Investigate and advise.
- Memorandum.
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- Per request.
- Per telephone call.
- Previous correspondence.
- Recommendation.
- Record.
- Rush.
- Reply for signature of
- See me.
- To be rewritten.
- Your signature.

REMARKS:

Attached is the  
progress report I  
promised you.

Caule's preaching  
at Harney Valley  
has been changed  
to June 9 to 11 inclusive  
Pokey couldn't make  
it earlier.

Copies dist: Yes  
2 - SRC Files  
1 - A. L. Hervey

(NAME OF SENDER)

GPO : 1957 O - F - 445524



A. L. HORMAY

May 16, 1958

E. J. WOOLFOLK

RR-CAL, RESEARCH PROGRAM, Harvey Valley

I have read with a good deal of interest your progress report on the effects of handling on livestock weight gains.

A couple of points warrant comment I think. In the case of your Burgess Spring experience I get the impression that the differences in gain were attributed to the handling of the cattle even though it was held to a minimum. The cattle were moved from one range type to another--different composition of plants, more shade in one, a new set of conditions to become acquainted with, etc. In other words, it might have been entirely these factors that affected the gains.

In the case of Harvey Valley cattle in 1956 and 1957, these same factors hold to some extent, but in addition you lack weights on the moving dates. It seems unlikely, I admit, that the same trend would hold accidentally for all classes of cattle, but on the other hand a lot of other factors operated during the grazing season to affect the weights of the animals.

What I am getting at is the point that handling and these other factors appear to be confounded. On northern Great Plains ranges cattle consistently perform better under a continuous grazing system than under any kind of rotation, providing of course that range stocking is conservative and overall management good. This is because the particular combination of range plants provide continuously a good balance of green and dry herbage. Deferred or rested areas have a different composition and run too strong to dry herbage. This holds for the southern Great Plains, too, and for the mixed prairies of the Dakotas.

At Miles City one time we conducted a study of the effects of handling. Through a 2-year period half the cows in 6 lots (total, 30 cows) were weighed and bled every 28 days. The others (total, 30) were only weighed. Bleeding required squeezing the animals individually and raising their heads to expose the position of the jugular vein. The animals fought the squeeze and chute viciously and became very difficult to corral and handle. Over the 2 years this kind of rough handling did not affect significantly their weights, gains, or calf production compared to the other 6 groups.



2-A. L. Horsey-5/16/58

I have probably taken too much space for this subject but I wouldn't want our cooperator or the Lassen folks to become upset over this handling thing. We might wind up without any cattle weight data if they do.

The point on weight gains is well taken but let's be sure we have it nailed down firmly and then relate it to grazing management, range type, and factors other than handling.

EJWoolfolk:ehe

ALH-SRC

File

UNITED STATES DEPARTMENT OF AGRICULTURE  
Forest Service  
Washington

I  
PUBLICATIONS  
Production

May 27, 1958

EDITOR'S MONTHLY REPORT ON STATUS OF PUBLICATIONS

Note: Digits at left of each item indicate month and year of our first record. Requisitions for publications should not be submitted until article is listed as issued. Only items to be sent to the central GPO are listed.

Publications Issued Since Last Report

9/57 I&E Control of White Pine Blister Rust Issued 4/21/58  
(PA 352)

At Printing Office

3/55 RFI Keen  
Cone & Seed Insects of W. Forest Page proof rec'd 4/1/58  
Trees (TB 1169)

7/57 RFI Jaynes & MacAloney  
White-Pine Weevil (FPLft. 21) Page proof ret'd 5/20/58

7/57 RFI Struble  
Lodgepole Needle Miner (FPLft. 22) Page proof ret'd 5/20/58

9/57 RFI Bennett  
The Texas Leaf-Cutting Ant (FPLft.23) Page proof ret'd 5/20/58

10/57 RFI Lyon  
California Flatheaded Borer(FPLft.24) Page proof ret'd 5/20/58

7/57 RFE Cunningham, et al.  
Minnesota's Forest Resources(FRR 13) Galley rec'd 4/17/58

12/57 RFD Kimmey  
The Heart Rots of Redwoods(FPLft. 25) Galley rec'd 5/2/58

12/57 RFD Verrall  
Fusiform Rust of So. Pines(FPLft.26) Galley rec'd 4/30/58

12/57 RFD Hepting  
Southern Cone Rust (FPLft. 27) To GPO 4/10/58; galley  
rec'd 5/22/58

2/58 RFD Boyce  
Needle Cast of So. Pines (FPLft. 28) To GPO 4/15/58; galley  
rec'd 5/26/58

3/58 RFD Fowler  
Oak Wilt (FPLft. 29) To GPO 4/10/58

1/57 SS Bennett  
This Is Alice Frontalis (PA ) To GPO 4/15/58

4/57 RFD Spaulding  
Diseases of Foreign Forest Trees To GPO 4/17/58  
Growing in the U.S. (AH )

(Over)

At Department

8/57	RFD	Toole	Decay After Fire Injury . . . (TB )	To Dept. 3/28/58
6/57	RFE	Larson	Timber in North Carolina (MP )	To Dept. 3/31/58
4/58	RFI	St. George	Soil Treatment, An Aid in Termite Control (L. 324, Rev.)	To Dept. 4/9/58
9/57	Ext.	Williams	Fraser Fir as a Christmas Tree (M- )	To Dept. 5/15/58
2/56	RFI	Schaffner	Microlepidoptera & Their Parasites	To Dept. 5/16/58
5/57	RI	Lull	Soil Compaction on Forest & Range...	To Dept. 5/13/58
1/58	RFI	Whitten (FS) & Swingle (ARS)	Dutch Elm Disease & Its Control	To Dept. 5/13/58
3/58	RFD	Wagener & Bega	Heart Rots of Incense-Cedar (FPLft.30)	To Dept. 5/13/58
10/56	RS	Schreiner	Production of Poplar Timber in Europe	To Dept. 5/15/58
10/57	RR	Hayes & Garrison	Keys to ... Woody Plants ... (AH )	To Dept. 5/16/58
4/58	RR	Blaisdell	Seasonal Development & Yield of Native Plants ... (TB )	To Dept. 5/16/58
10/56	RS	Hallin	The Application of Unit Area Control .... (TB )	To Dept. 5/16/58
5/58	S&FF		Selling Black Walnut Timber (FB 1459, rev.)	To Dept. 5/6/58
4/58	I&E		Highlights in the History of Forest Conservation (AIB 83, slight rev.)	To Dept. 5/26/58
5/57	R-7		Allegheny NF map folder	To Dept. 5/15/58
4/58	R-6		Wenatchee NF map folder	To Dept. 5/16/58
4/58	R-6		Willamette NF map folder	To Dept. 5/21/58
4/58	R-3		Tonto NF map folder	To Dept. 5/21/58
2/58	FC		Fire Control Notes (July issue)	To Dept. 5/23/58

At DSO

4/58 RFE Hair  
 Historical Forestry Statistics  
 of the U. S. (Stat. Bul. 228) To DSO 5/12/58

In Process of or Awaiting Editing

5/58 FPL American Woods Series Lifts.  
 Maple Rec'd 5/19/58  
 Oaks (eastern) Rec'd 5/26/58

5/58 RFI Downing  
 Hemlock Sawfly (FPLft. 31) Rec'd 5/12/58

5/58 I&E Organizational Directory Material still coming in

In Divisional Office for Review

2/58 RS Limstrom  
 Forestation of Strip-Mined Land  
 in Central States Rec'd 2/24/58; Bd. of  
 Rev. 2/27/58

8/57 RS Reynolds, R. R.  
 18 Years ... Timber Mgt. .. Crossett Rec'd in Div. 3/18/58

4/58 RFI Drooz, A. T.  
 The Larch Sawfly: Its Biology &  
 Control Rec'd 4/24/58; Bd. of  
 Rev. 5/5/58

5/58 PM Training Guide for Crew Leaders ... Ms. edited 5/19/58

In Preparation or Process of Revision by Author

1/58 RP Byrne, Nelson, & Googins  
 Cost of Hauling Logs by Motor  
 Truck & Trailer Ret'd to Sta; to be  
 revised by R-6 (4/4/58)

6/57 RR Reynolds, Hudson G.  
 Managing ... Grass-Shrub Cattle  
 Ranges Ret'd to Sta. 2/27/58

11/57 RR Klipple & Costello  
 Vegetation & Cattle Responses ...  
 Central Great Plains (TB ) Ret'd to Sta. 2/27/58

7/57 RS Cooper, et al.  
 Sand Pine on the Ocala NF Ret'd to Sta. 9/19/57

4/57 RS Watt  
 Site Index & Species Changes ... Ret'd to Sta. 8/2/57

8/56 RR Hormay & Talbot  
 Increasing Forage & Livestock  
 Production ... NE Calif. Ret'd to Sta. 11/13/56

In Preparation or Process of Revision by Author (cont'd)

7/55	RFI	Miller & Keen	
		Biology & Control of W. Pine Beetle	Ret'd to Sta. 12/1/55
10/53	RS	Barnes	
		Yield of Even-Aged ... Hemlock	Ret'd to Sta. 2/4/54