

MINUTES OF
WESTERN DIRECTORS' MEETING
Berkeley, California

March 6-8, 1961

The meeting was called to order by Chairman Thorne. The following were present during all or part of the meeting:

R. K. Frevert	Arizona
A. M. Boyce	California
F. N. Briggs	California
S. H. Cameron	California
D. E. Jasper	California
E. G. Linsley	California
P. F. Sharp	California
H. J. Vaux	California
S. S. Wheeler	Colorado
M. M. Rosenberg	Hawaii
R. D. Ensign	Idaho
J. A. Asleson	Montana
R. E. Ely	Nevada
A. S. Curry	New Mexico
P. J. Leyendecker	New Mexico
R. M. Alexander	Oregon
F. E. Price	Oregon
D. W. Thorne	Utah
M. T. Buchanan	Washington
L. W. Rasmussen	Washington
N. W. Hilston	Wyoming
B. F. Beacher	SESD
C. G. Grey	SESD

J. O. Gerald

Recording Secretary

[For list of WURDD, ARS, personnel attending the morning sessions on March 7, 1961, see page 24.]

Introductions

Curry was asked to introduce possible initiates to the Directors. He introduced P. J. Leyendecker, Dean and Director at New Mexico, to the group. He explained that the introduction of this potential initiate at the November, 1960 meeting probably had not "taken" because the short sessions at that time had not given the novitiate an opportunity to advance beyond the tyro stage. Following a demonstration of the novice's ability (to pass cigars), he was declared duly initiated to the Association of Western Agricultural Experiment Station Directors.

Curry's call for other "volunteers" resulted in the introduction of S. H. Cameron, Dean and Assistant Director at California (Los Angeles campus) by Sharp. Cameron also proved himself (by passing cigars and candy), and was declared in.

Corrections in
November, 1960
Minutes

Three errors in the November, 1960 minutes were called to the attention of the Recording Secretary, these were:

1. Page 1, omission of the name of S. S. Wheeler of Colorado in the attendance list.
2. Page 6, the digests of the Western Directors' minutes (1948 through July, 1960) were not distributed at the November, 1960 meeting by the secretary of the Committee of Nine. Copies were distributed to members of the RRC in November, but distribution to all Directors is to be done at this March, 1961 meeting.
3. Page 9, the Technical Committee meeting, proposed to be held in Hawaii, was for the W-34, Range Livestock Nutrition project, rather than for the W-49, Cattle Breeding Failure group.

Price moved, Curry seconded, that corrections be made and that the minutes be approved as amended.
Passed.

Comments of
SESD Repre-
sentatives

Grey reported that he had been traveling extensively on station reviews and other SESD affairs. He asked Beacher to report on recent developments in Washington and elsewhere.

"Budgets"

Beacher reported that SESD defended within USDA budget requests for an increase of \$3.0 M. under the "Payments to States" item, instead of the \$2.0 M. of the current budget. However, the Bureau of the Budget has not requested that the current budget before Congress be amended to allow the \$3.0 M. increase.

"Reorganiza-
tions"

Beacher stated that proposed reorganizations in the Department would increase the number of groupings of program agencies in the Office of the Secretary from four to five, namely: Assistant Secretary for Federal State Relations; Assistant Secretary for Marketing and Foreign Agriculture; Assistant Secretary for Agricultural Stabilization; Director for Agricultural Credit; and Director for Agricultural Economics. Names of the persons serving as Assistant Secretaries and Director of Agricultural Credit have been printed

in SESD's "pink sheet"; the fifth position, Director of Agricultural Economics, will be occupied by Dr. Willard W. Cochrane of Minnesota, known to Directors and SESD through his participation on the IRM-1 technical committee; economic research at the Minnesota station; consultant to various Department groups; past president of the American Farm Economic Association; economic adviser to the Democratic presidential nominee during the 1960 campaign; and currently economic adviser to the Secretary of Agriculture, Honorable O. F. Freeman. His status will be the same as that of an Assistant Secretary. He will direct two new Services - Economic Research Service and Statistical Reporting Service, with about 1,500 persons in these two Services.

Other proposed shifts of functions between Services and Groups involve ACPS, CSS, and FAS agencies. Task forces now are at work on all proposed reorganizations to determine what transfers of records, property, and personnel will be necessary. They are expected to determine these by March 31.

"SES"

Beacher reported on the reorganization study by Dr. George Selke of the place in the Department of what is now SESD. Dr. Selke suffered a heart attack about the first of March, so results from his study will not be available soon.

"ARPC"

Beacher reported that the Secretary's former Agricultural Research Policy Committee has been reactivated in form but without title. Six of its 11 members will represent producers' interests. Meetings will be held quarterly.

"1963 Budget Justifications"

Beacher stressed the importance to Directors and SESD of listing specific problems, and some aspects of these problems requiring basic research for any progress toward solutions, in justifying budget requests for fiscal 1963. He reminded the group that Buchanan and the Legislative Subcommittee of ESCOP will send information on what is desired and requests for justifications soon, if they have not already done so.

"S-714, Utilization Research"

Several bills (some reintroduced, some new) of interest to Directors were commented on. In particular, S-714 to provide for an expansion of utilization research proposes to add this function to existing agencies and to allow grants to States for such research. The merits of such grants and of alternative methods for making grants were discussed by Beacher, Price, Buchanan, and other Directors.

"SES-Form 20"

Reviewers are now clarifying what is to be inserted on the Project Abstracting form, SES-Form 20. Instructions are to describe each project in 200 words or less, and to attach one "clean" copy of SES-Form 20 to one of the three contributing projects submitted to SESD, for all Federal grant projects this year and both Federal and State supported projects subsequently. SESD will reproduce by offset enough copies of the forms to supply a complete set to each station in the United States.

"Chemical Residue Deposits in Meat and Milk"

Beacher reported that ARS had received Resolution 10 of the Entomological Society of America requesting an interregional project on this question. There were discussions among the Directors concerning the urgency of this particular aspect of the overall residue problem; the merits of an interregional project vs. interregional coordination of regional projects on the problem; and whether the Directors as a group should respond to the resolution; ask Boyce and Administrative Advisers in other regions with companion projects to W-45, Pesticide Residues, to advise SESD, ARS and ESCOP; and other aspects of this problem. The question was left open for Boyce to approach Andre, chairman of the Chemical Residue Subcommittee of ESCOP, about the need for an inventory of State and Regional residue research, and to write to other Administrative Advisers for regional residue projects suggesting that they individually write to Price no later than April 1 concerning their views on this subject. *residue*

"Experimental Animals"

This subject, discussed at length by the Western Directors in July, 1960, is still being considered by Congress, according to Beacher. If hearings are held on the need for legislation or on a bill, SESD and ARS will testify, giving the views of the State experiment stations and the Department.

"Two Problems"

Beacher reminded the Directors that supplies purchased with Hatch funds cannot in turn be billed to the Department under any cooperative agreement. He also commented on correct procedures to follow in responding to requests from the Russian Embassy for publications, etc. Further instructions are being forwarded by letter to each Director.

"Forestry Research Support"

Beacher presented some comparisons on growth in Federal and non-Federal support of forestry research at State experiment stations. These were:

<u>Year</u>	<u>Federal</u>	<u>Non-Federal</u>
1955	\$256,969	\$ 686,098
1959	617,205	1,128,400
1960	659,958	1,328,484
1961 (est'md.)	803,580	(not available)

He also commented on comprehensive reviews to be made in 1961-62; the support available from the Iowa Agricultural Adjustment Center for attendance in June at the Agricultural Adjustment Workshop to be held at Fort Collins; and on the status of the survey of opinion on regional research made last fall by Director Farrell. SESD hopes that a report on the survey will be available for review by the Western Directors at their July, 1961 meeting.

Chairman Thorne thanked Beacher for his "very good report."

Financing
Patterns in
Regional
Research

Rasmussen discussed a report he had prepared and distributed to the Western Directors. He attributed some of the growth in numbers of Western regional projects, as contrasted to numbers in other regions, to the diversity of agriculture in the West. He commented on the large decline in RRF per regional and per contributing project in the West since 1957. Others raised questions about the basic philosophy underlying the regional research concept, was it intended that regional research would dictate or guide use of Hatch and State funds as well as RRF? Several Directors commented on the productivity of Western regional projects, per dollar spent, contrasting this to the productivity of non-regional projects in the West, regional projects in other Regions, etc. Question of the relationship of this report to the Farrell report, tentatively scheduled for SESD distribution to Directors by July 1, was raised.

Curry moved, Ensign seconded, that further discussion of the subject be tabled for the remainder of this meeting, and that discussion of it and Director Farrell's pending report on regional research be placed on the agenda for the July, 1961 meeting of the Western Directors. Passed.

ESCOP

Price reported on several matters now being pursued or of concern to ESCOP: 1963 budget request; organization of SESD; the 5-5-4 restrictions on budgeting any increases; increased research costs; lowering costs of production as a research subject; and other matters were discussed.

Legislative
Subcommittee

Buchanan reported on recent and contemplated activities of ESCOP's Legislative Subcommittee. Some discussion of the agricultural commission proposals, of reorganizing the Executive Committee of AAGC&SU, and of appropriate levels of budget requests, of basis for justification of these, and other matters ensued.

ESMRAC

Alexander reported that he was planning to attend his first meeting with ESMRAC the week of March 13, and consequently would defer remarks until the July, 1961 meeting of the Directors.

WAERC

Frevert reported on his attendance at the WAERC meeting in January. He called attention to the report of the WAERC to the Directors, and stated that he would attempt to answer any questions the Directors might have on the report. Chairman Thorne requested that Frevert be prepared for questions on budget recommendations of WAERC when budgets are reviewed.

WSWRC

Thorne reported that WSWRC had nothing requiring action or consideration by the Directors at the moment.

Committee
of Nine

According to Rosenberg, some of the Western Region's 1961 RRF remained uncertified at the time the Committee of Nine met in November; Hawaii and Washington on WM-44; Idaho on W-70. He reported that the Committee has asked SESD to modify rules so that within-station transfers of up to \$1,000 can be made. The maximum had been \$500 formerly.

"Marketing
Require-
ments"

Rosenberg also reported on the requirement that all objectives of regional projects must be concerned with marketing to qualify as marketing. He also gave a summary of committee disposition of project outlines from the Western Region.

"Project
Review
Subcom-
mittee"

Jasper reported on the February, 1961 meeting of the project review subcommittee of the Committee of Nine, and gave a resume of weak spots for each Western Regional project. He also commented on the request to Ensign to prepare W-40 in his proposed joint regional-contributing project format.

Jasper requested that Beacher apply a counter-irritant, if available, to remove any stings caused by his report of "weak spots." Beacher responded by reporting that the comments on projects arise following a five-minute or less informational review of each project's difficulties with the SESD member of

the technical committee. These SESD members, he reminded Directors, are not infallible, may be biased, and can only report extremely condensed versions of each project. He reported that, in his opinion, Western Regional projects are no more subject to criticism, perhaps less so, than those of the other three regions.

In discussions, Wheeler commented that the annual report for a typical project is written by a busy chairman from written reports submitted by station representatives. He stated that this should be a technical committee effort at the annual meeting, but timing of the meetings and other activities cause a complete lack of attention to this job.

Rasmussen reported on some discussions RRC members had with Jasper and Beacher concerning the project reviews. Chairman Thorne asked that Beacher's written description of regional research projects be included in these minutes. These follow:

"Types of
Regional
Research
Projects"

Group A -- Regional Project Centered

1. Closely coordinated, unified or concerted study - one or two distinct phases with definite centering of leadership and assignment of responsibilities to committee members - definite plan toward completion of objectives within limited time period - usually marketing research on specific commodities and urgent problems which are amenable to the application of known principles (developmental research) - completion of objectives likely. /Perhaps 20 per cent of West's projects fit here, according to Beacher./
2. Well-coordinated series of subprojects or studies each with unified planning, uniform schedules and procedures - specific assignment of responsibilities - definite plans toward completion of objectives all contributing toward solution of a general problem, development of knowledge of a specific phenomenon, or explanation of an event - adapted to programming in definite time period - completion of objectives likely. /About 10 per cent./
3. Central facility with "coordinated" program or collaborators - cooperators conducting related or supplementary lines of investigation which may or may not be focused on project objectives which are usually broad - little or no attempt to program - often criticized as "self-perpetuating" - completion of objectives uncertain or unlikely. /3-4 per cent./

Group B -- Contributing Project Centered /Remaining 66-67 per cent./

4. Generally related group of studies with some group evaluation, concerted effort, or uniform procedural development but without adaptation to definite plan for completion of objectives - often basic research not adapted to programming - completion of objectives fortuitous but possible.
5. Separate lines of investigation relating to a general subject or discipline - no effective unified planning or procedural development - principle benefits of exchange of information, control of duplication, stimulation of ideas, training, competitive challenge, improvement of quality and quantity of research - often dubbed "umbrella" or "Mother Hubbard" projects - no attempt to program - completion of objectives uncertain or unlikely.

Ruminant
Physiology

Ely reported on this project area. Eight States have expressed interest in participating with or without RRF; 11 technical representatives have been appointed; and some planning through correspondence has been done. In further discussion, Ely pointed out that funding at the \$3.5 M. increment level was recommended by Western Directors in July, 1960, but that by motion of the Directors in November, 1960, the technical committee was asked to defer further developments until the Directors could see a budget situation that was more favorable for activations of new areas. He asked if the technical committee should proceed to firm up the outline.

Thorne asked if RRC was recommending funding of this project area at the \$2.0 M. increase level 7/1/61. He was informed by Rasmussen that such recommendation for either Ruminant Physiology or Soil-Water-Forestry Range was not encompassed in the forthcoming RRC report. Thorne thereupon ruled that the November, 1960 action /deferral of any further developments/ was still binding upon Ruminant Physiology.

Soil-Water-
Forestry
Range

Frevert was asked to describe the status of this second new area. He reported that nine States were interested in the area, but that in view of the November, 1960 action, he had not called an organizational meeting. The preceding ruling /deferral of any further developments, for the present/ was extended to cover this area, and no further discussion ensued.

Price commented that the budget situation certainly was not favorable to new activations since even a

\$3.5 M. increment would not cover increased re-search costs of active projects.

Meetings
in Hawaii

Hilston explained that the W-34, Range Livestock Nutrition, technical committee had proposed to meet in Hawaii by supplementing P&C funds with State funds, or funds from private sources. He had advised the committee that no policy existed whereby the technical committee could decide such a question for itself, but agreed to carry the question to the Directors on behalf of the committee.

Hilston and several other Directors expressed the view that some general policy to guide technical committees in this matter was needed. Discussion of the merits of holding technical committee meetings on occasion in Hawaii; of the general inadequacy of P&C funds to cover the costs; of the difficulties that would be encountered in some States in authorizing such travel; of the concern the Directors might have about ensuing "funds searches"; and of public reaction to such travel indicated the intensity of the policy problem faced.

The change in Hawaii's status to that of full Statehood, of the small addition to necessary travel time requirements for meetings there, and other arguments were voiced by Rosenberg and a few others. Beacher stated that enforced absence of some technical committee representatives, due to meetings of committees in Hawaii, should be considered in any decision reached.

The chairman appointed a committee to determine State regulations and policies that might restrict travel to Hawaii by some representatives, even if private or personal funds were used, and to develop a policy statement for the group to consider at the July, 1961 meeting. Hilston, Chairman; Rosenberg and Wheeler were appointed.

The chairman called upon Rasmussen to present RRC's report. /Note: The following RRC report was presented in three separate sessions. For continuity, it is recorded in full at this point. Bracketed material following each item of the report is a record of the discussion and action by Directors on the RRC recommendation or comment./

RRC Report

REPORT OF THE COMMITTEE ON REGIONAL RESEARCH (RRC)

to
THE WESTERN DIRECTORS
Berkeley, California

March 4-5, 1961

The following were present:

L. W. Rasmussen, Chairman
J. A. Asleson
N. W. Hilston
D. E. Jasper
B. F. Beacher, SESD
J. O. Gerald, Recording Secretary

A. PROJECT OUTLINES RECOMMENDED FOR APPROVAL

As Revisions

W-25, Ecology and Improvement of Brush Infested Rangelands. This project outline was reviewed and approved by RRC and the Directors in March, 1960 and recommended for approval to June 30, 1965. However, the Committee of Nine asked the technical committee to clarify its regional approach. The technical committee has done so by specifying in each instance how each State will be contributing to the solution of the regional problem. RRC recommends approval of the revised regional project outline for completing the project packet submitted earlier. RRC recommends a duration of five years to June 30, 1966, any work beyond that time to be done under a new project.

/Rasmussen moved, Rosenberg seconded, that the RRC recommendation be adopted. Passed./

W-34, Range Livestock Nutrition. The critical review has been revised and publications listed as requested by RRC in March, 1960. Objectives have been cross-referenced for assignment of responsibilities, and RRC believes these were reconciled with personnel and facilities available. RRC recommends acceptance of the critical review and approval of the revised outline to June 30, 1966. However, RRC requests that the technical committee amend the procedures section to show how the pooling of data mentioned in the justification section will be accomplished.

/The technical committee should do this prior to the April, 1961 meeting of the Committee of Nine.

/Rasmussen moved, Leyendecker seconded, adoption of the recommendation. Passed./

W-45, Pesticide Residues...Their Nature, Distribution and Persistence in Plants, Animals, and Soils. RRC feels that the critical review is well prepared but this project outline needs further development, and recommends that the current project be extended to June 30, 1962, to give the technical committee time for this development. The section on past work is very good, and RRC felt the outline represented a needed area of work. Nonetheless, RRC requests the committee to define more clearly the need for a regional approach; to reevaluate the amount of effort to be devoted to Objective 2; to indicate the assignment of responsibilities in the procedures; and to consider if Objective 1 might be subdivided for better coordination of the work. If more effort cannot be put on Objective 2 to develop analytical methods, it should perhaps be eliminated from the project. Also, ARS and HEW contribution of data and co-operation should be invited and/or encouraged.

/Rasmussen moved, Rosenberg seconded, adoption of the recommendation. Boyce commented that study under Objective 2 was so basic and necessary for completion of Objective 1, that the technical committee had not attempted to specify exact procedures for its accomplishment. He also stressed that the project was regional and that a concerted group effort would assuredly be made.

/The question of how carefully a committee should be required to document its plans and hopes was raised, and also, one, as to what extent project packets must meet certain detailed requirements. Price commented that technical committees have to be informed if they are to satisfy such requirements. Rosenberg stated that the Directors have specified these requirements in the past and that RRC has the responsibility of seeing that these requirements are met.

/The chairman at this point deferred action on the motion with the suggestion that RRC

members and the Administrative Adviser of W-45 take the opportunity of the overnight recess to review in greater detail the recommendation of RRC.

/At a later session, Rasmussen reported that RRC and the Administrative Adviser for W-45 had reviewed the recommendation; that an informational addendum to the regional outline was suggested by the Administrative Adviser; that RRC found the addendum to answer satisfactorily the questions RRC had raised; and, therefore, that RRC wished to amend its recommendation so as to grant approval of the revised project with addendum included in the packet, to June 30, 1966.

/In the absence of any objection to the procedure, the chairman ruled the amended recommendation to be in order. The amended recommendation was adopted./

As New Projects

W-73 (W-32), Basic Hydrologic Factors in Precipitation Disposal Related to Water Conservation. A proposed revision of W-32 was reviewed last year and was returned to the technical committee for several revisions. The present outline defines needed work, and represents a well-planned program. However, RRC was concerned about the magnitude of the work specified by the objectives, but recognized that the procedures narrowed the scope to reasonable proportions. Contributing projects were well prepared. RRC recommends approval of this proposal as W-73 and acceptance of the critical review on W-32. However, RRC recommends that this project be approved only to June 30, 1964, with review called for at that time. RRC also requests the technical committee, prior to June, 1961 meeting of the Committee of Nine, to review and furnish supplemental information as to how the Oregon and Colorado projects contribute to the regional project and encourages the technical committee to seek and/or document some participation by Federal agencies.

/Rasmussen moved, Ely seconded, adoption of the recommendation. In discussion, Rosenberg asked if W-73 was considered on its merits as a competitor for funds with Ruminant Physiology

and other proposed and/or important areas. He also asked if the three-year duration was a terminal date. Rasmussen responded to both questions, indicating the considerations RRC had in mind and stating that 1964 was not necessarily a terminal date so far as the RRC recommendation was concerned. The motion passed.

W-74 (W-43), Seed Chalcids Attacking Leguminous Crops. The justification for this research was well documented. Although Objective A was somewhat broad and Objective B may require the participation of plant breeders, which is not adequately specified in the procedures, RRC recommends approval of the outline as W-74 to June 30, 1966, and acceptance of the summary review of work done under W-43. However, RRC recommends that the title be changed to "Seed Chalcids Attacking Small-seeded Leguminous Crops," and requests the technical committee to furnish further information prior to June, 1961 meeting of the Committee of Nine as to how the individual efforts of the contributing researchers will be translated into the "combined research effort" mentioned on page 2 of the outline.

Rasmussen moved, Hilston seconded adoption of the recommendations. Passed.

WM-46, Effects of Changes in Marketing Methods and Systems on Milk Marketing in the Western Region. This outline incorporates the November, 1960 suggestions of RRC, except that cross-referencing to show assignment of responsibilities for completion of objectives has not been done. Also, procedures for accomplishing Objectives 1 and 4 were not well specified. RRC recommends approval to June 30, 1966, but requests the technical committee to submit supplemental information to show assignment of responsibilities for accomplishing the objectives. RRC also suggests that Objective 4 be deleted since it is implicit in the other three, and requests clarification of the procedure on Objective 1. The supplemental information is to be supplied prior to the June, 1961 meeting of the Committee of Nine.

Rasmussen moved adoption of the recommendation. Adopted.

B. PROJECTS RETURNED FOR FURTHER DEVELOPMENT

W-24, The Design and Application of Machines to Establish and Maintain a Stand of Cotton. RRC

found the critical review of W-24 to be satisfactory, but did note that most of the publications were in article form rather than in more permanent bulletin form. The proposed project outline had an adequate justification and previous work section although mention of the companion project S-2 was not amplified. RRC recommends that this project be returned to the technical committee. While it is a good project and should be competitive for funds with new projects, it did not justify the requisites for a regional approach, nor did it show how W-24 has contributed to the definition of establishing and maintaining a stand of plants as a regional problem. RRC further recommends that W-24 be extended to June 30, 1962, to give the technical committee time to further develop the new project.

/Rasmussen moved, Frevert seconded, adoption of the recommendation. Curry requested that RRC chairman amplify for the guidance of the technical committee, by letter, RRC comments and suggestions for revisions.

/Rosenberg asked if it is wise to devote regional funds to the design of machines inasmuch as commercial concerns currently have much invested in design activities. Frevert agreed that overall machine design is well advanced and further progress seems assured, but stated that development of component parts adapted to regional, State, or local soil, and other conditions, could be of public concern.

/In response to a comment that "contributing project centered" regional outlines should not necessarily be rejected, Asleson stated that RRC had reviewed the outlines to determine if regional problems were involved, first; and to evaluate the extent to which the outline reflected an awareness of the regional problem and a plan for attacking it on the part of the technical committee, second. In the case of W-24, the second consideration was the factor that caused RRC to recommend as it had, according to Asleson.

/The question was called for, and the motion passed./

WM-42, The Market Structure and Marketing Practices Associated with Initial Processors of Timber

from Small Woodlands. RRC recommends that the proposed amendment be returned with the instruction that it be reframed as a procedure to accomplish objectives of the currently approved outline, particularly the latter part of Objective 1.

/Rasmussen moved, Asleson seconded, adoption. So ruled./

W-ai, Economic Analysis of Integrated Ground-surface Water Resource Management. RRC felt that this project outline needs further development. The area is worthy of study, and RRC recommends that Director Wheeler be named as Administrative Adviser to organize a technical committee. This technical committee should meet to complete project development for early approval and activation. For the guidance of the technical committee, RRC observed that the procedures are vague, cross-referencing to show assignments of responsibilities has not been done, and the terminology is not easily understood. For example, what is "an institution," "management"? The proposed study areas should be definitely located. The regional importance of the problem is indicated but the need for a concerted regional effort should be clarified.

/Ensign moved, Rosenberg seconded, adoption of the recommendation. Passed./

C. PROJECT EXTENSIONS

WM-20, Hay and Feed. RRC noted the requests for extension of this project from WAERC and the technical committee. The several factors contributing to the delay in completion of this project were unavoidable, and RRC recommends its extension to June 30, 1964.

/Rasmussen moved, Rosenberg seconded, extension as recommended. Passed./

WM-23, Wool Marketing. RRC recommends extension to June 30, 1962, as a terminal date. Any proposal for further work beyond that date should be considered on its merits as a new project.

/Rasmussen moved, Hilston seconded, extension as recommended. Passed./

WM-36, Dairy Consumption. In view of the fact that the technical committee may not have been

fully informed concerning termination date on this project, RRC recommends its extension to June 30, 1962, as a terminal date. This extension seems warranted to permit the committee to complete the project in an orderly manner.

/Rasmussen moved, Alexander seconded, extension as recommended. Passed./

W-56, Nematodes and Root Diseases. As this project was not funded adequately prior to this year, RRC recommends that it be extended to June 30, 1963, to give it a full three-year duration.

/Rasmussen moved, Rosenberg seconded, extension as recommended. Passed./

W-41, Urinary Calculi. RRC in November, 1960 returned a proposed revision of this project for further work. It noted at that time that an extension to June 30, 1962, might be required for the revision. RRC recommends extension to June 30, 1962.

/Rasmussen moved, Alexander seconded, extension as recommended. Passed./

W-27, Sheep Vibriosis. RRC acknowledges the clarification of the status of W-27. Its continuation to June 30, 1962, is adequately documented.

/No action required./

D. OTHER PROJECT RECOMMENDATIONS AND NOTES

W-55, Fruit Virus Disease. RRC received the request for activation of this project. In view of the five-year lapse since review and approval of the original proposal, RRC feels that funding is not justified. RRC recommends that the number be removed from consideration as a part of the Western regional research program.

/Rasmussen moved, Rosenberg seconded. Carried./

WM-24, Horticultural Specialties. RRC reviewed the termination report for this project, and recommends its acceptance.

/Rasmussen moved; accepted./

Status

WM-32, Market Potential for Cotton. RRC acknowledges clarification of the dates of the termination report for this project. It had been reviewed and approved at an earlier date.

W-39, Fluorine Effects. The five-year review for this project is very good. It shows that significant progress has been made, and that the project has a good record of publications and findings.

/Accepted./

W-48, Weather and Crops. The technical committee has made progress along the lines outlined by the Directors in July, 1960. RRC recommends that the technical committee proceed to completion of outlines for review by RRC in the Fall 1961 meeting.

/Rasmussen moved, Curry seconded. Carried./

W-72, Forest Insects. The master project outline reviewed by RRC is reasonably well prepared, and it appears that much preliminary work has been done. RRC recommends that the W-72 technical committee proceed with organization and preparation of project packets including contributing project outlines, so that activation July 1, 1962, may be considered.

/Rasmussen moved, Aselson seconded. Carried./

W-71, Tree Seedling Establishment. RRC reviewed the Arizona contributing project and found it suitable to W-71.

/See Section E, General Comments of RRC, for discussions prompted by this item and others of a similar nature./

WAERC request for July 1, 1962, activations. RRC reviewed the WAERC request for July 1, 1962, activation of work in two areas. RRC recommends that one of these areas, Labor Requirements of Western Agriculture and Labor-Capital Substitutions, be authorized for planning, commencing July 1, 1961, as a replacement for W-62, Farm Power and Machinery, which is due to terminate June 30, 1962. An Administrative Adviser to organize a technical committee and to advise planning activities will be recommended at the Summer 1961 meeting of the Directors.

/Rasmussen moved, Rosenberg seconded. Carried./

E. GENERAL COMMENTS OF RRC

1. To avoid any confusion on the part of technical committees and Administrative Advisers, RRC recommends that SES Form 117, Termination Report, be adopted by the Western Directors to supersede former termination requirements of this group.

/Rasmussen moved, Frevert seconded, adoption of SES Form 117 as recommended. Carried./

2. RRC believes clarification of procedures on adding contributing projects to ongoing regional projects is needed (see Memorandum on Procedures from Western Directors' Secretary, February 1, 1960, page 2, Section 2, first sentence). Some of the stations circulate these to all Western Directors for approval.

/Discussions among the Directors indicated clearly that the Western Directors as a group does not assume, nor does it wish to assume, responsibility for approving individual contributing projects, and that distribution of final contributing project outlines to all Western Directors is not required. Informational copies may, of course, be distributed to other Directors, if the Station Director so desires. The Recording Secretary should receive a copy (see Western Directors' minutes, July 16-18, 1958, pages 12-13, Item 6 in the list of duties).

/The chairman asked the Recording Secretary to search Western Directors' minutes and other sources, and record or restate in these minutes of this meeting any actions of the past that will clarify procedures. These are:

- a. From Western Directors' minutes, March 4-6, 1957, page 9. "Regional project proposals should go to all Directors and not just to the review committee."
- b. From a letter of July 21, 1960, to Sharp from Farris: "I believe the SESD requirement for contributing project outlines is the principal source of confusion and this can be resolved in brief with the statement that the three copies needed for the SESD files are those submitted by each Station Director to SESD for approval and not those copies submit-

ted with the regional outlines. The latter are used for information purposes only."

- c. From ARS 23-3, Manual of Procedures, Section 4.21 (3), page 12: "One copy of each proposed and available contributing project outline should be attached to the regional project outline in order that the committee on regional research and the Committee of Nine will be able to determine....These contributing project outlines need not be the final approved copies, but they should at least have had the tentative acceptance of the technical committee and the preliminary approval of the Director concerned.

"Without the contributing project outlines, the regional project outline will have to be reasonably complete to enable the committee to make an evaluation."

- d. From ARS 23-3, Section 4.12, page 10: "The same procedure is followed for revisions of regional project outlines...."
- e. From Western Directors' minutes, March 3-5, 1958, pages 12-13: "The Project Review Committee recommended that a critical report be prepared...and be a part of or accompany any proposed revision or new project proposal evolving from a regional project."
- f. The following restatement of Section 2, page 2, of the Secretary's Memorandum on Procedures is based upon the above citations and other references: "Revisions of the regional project should be prepared and distributed in the same manner as are new projects (see Section 1 above) except that a critical review of the project up to the time of the revision should be appended (see Western Directors' minutes, March 3-5, 1958, pages 12-13, for a description of the items to be covered in critical reviews). If the revision of the regional outline does not require revisions of contributing projects, or additional contributing projects for accomplishment of new phases, there is no need to include contributing outlines in the packets. However, the regional outline should so state these facts.

"Any contributing project proposal submitted to the technical committee after the regional project has been approved and is underway is reviewed by the technical committee for conformity

with the objectives and procedures of the ongoing regional project. If the proposal is accepted by the technical committee, the Administrative Adviser informs the Director and SESD. The proposal is then prepared in final form; three copies are signed by the Director indicating his approval and forwarded to SESD in the usual manner for projects to be supported under RRF or other Hatch funds. These copies should bear a certification by the Station Director that the proposal has been accepted for conformity by the technical committee. An additional copy of the final contributing project statement should be sent to the Recording Secretary."7

3. RRC noted that Committee of Nine actions and many of its own recommendations are directly influenced and perhaps determined by the amount of attention given to activities, minutes, and meetings of the technical committees by the Administrative Advisers. RRC also raised a question of how best to inform a Station Director that his contributing project may not be completely acceptable or not showing progress.

/Discussion emphasized the responsibilities of all parties - the technical committee, the Administrative Adviser, the Director(s) of the Station(s) affected, RRC, Western Directors, Committee of Nine, and SESD. The merits of placing responsibilities as specified in ARS 23-3, Manual of Procedures, especially Section 3.10 (4), upon the Administrative Adviser were commented upon by several Directors.

/Price suggested that technical committees should be informed of the reactions of the Administrative Advisers' to committee actions and review processes and that time should be provided at technical committee meetings for cross-exchanges and clarifications of views. He also commented that only the technical committees can ease the difficulty now faced by RRC and the Directors in connection with contributing and regional project write ups.

/Boyce stated that some committee members did not seem capable of specifying adequate objectives and procedures, and asked who should be a technical committee representative - the direct supervisor of the work or an administrative supervisor? Beacher cited ARS 23-3, Section 3.12, page 5, to the effect that this should be "...a technical representative of each cooperating experiment station." The consensus was that, unless some special con-

ditions make this not feasible, the representatives should be the technical personnel working on the particular project.

/Ensign asked the chairman to consider a motion at this point. In view of its relationship to the the subject under discussion, i.e., the heavy responsibilities and work assignments of technical committees, Administrative Advisers, Directors, and so on, the motion was accepted for consideration.

/Ensign moved that the Western Experiment Station Directors go on record to limit the total number of Western Regional Marketing and non-marketing research projects supported by RRF not to exceed sixty-five (65). Ensign was asked to amplify his reasons for making the motion so that a second could be considered. He cited (1) Committee of Nine comments on the large number of regional projects, (2) Rasmussen's earlier presentation on financing patterns, (3) others' statements of inadequate funding of projects, (4) the number of projects per Administrative Adviser, technical persons, etc., and (5) his desire that the Directors as a group face up to the problems presented by the "proliferation" of projects.

/The subject was opened for general expressions of views. The arbitrariness of any specific number restriction; the possible high, rather than low, level of the number specified in the motion; and other opinions were given.

/No second was given to the motion, and the subject was closed with an offer from F. P. to finance from personal sources a case study to be made by R. E. of the eating qualities of steak in the event that in March, 1963 the number of active regional projects in the West is less than 75. The Recording Secretary did not, however, get down the qualifications connected with this offer.

4. RRC wishes to call to the attention of Administrative Advisers the following listing of projects by termination dates. The listing is current, and takes into account actions of Directors during this meeting.

RRC Records of Termination Dates as of 3/18/61 on all Western Regional Research Projects

Never activated - W-10, W-13; W-14; W-15; W-17,
W-18, W-19, W-20; W-21, W-26; W-53, W-55, WM-10,

WM-11, WM-28, WM-29, WM-30, WM-34

Now terminated - W-2, W-3, W-4, W-8, W-9, W-11,
W-22, W-23, W-28, W-29, W-30, W-33, W-36, WM-2,
WM-3, WM-4, WM-5, WM-6, WM-7, WM-8, WM-9, WM-12
WM-13, WM-14, WM-15, WM-18, WM-19, WM-21, WM-22,
WM-24, WM-25, WM-27, WM-31, WM-32

Of indefinite duration ("viewed comprehensively by
the Administrative Adviser and RRC at the end of each
10 years of activation")
W-6, W-54

Definite terminal dates specified -
6/30/61 -- W-32, W-42, W-43

6/30/62 -- WM-23, WM-36

Termination dates now in effect -

6/30/62 -- W-12, W-24, W-27, W-41, W-47, W-48,
W-51, W-52, W-58, W-62, WM-17, WM-33, WM-35, 38, WM-38
6/30/63 -- W-39, W-46, W-56, W-57, W-70, WM-37
6/30/64 -- W-5, W-7, W-16, W-59, W-60, W-63, W-64,
W-65, W-66, W-67, W-68, W-69, W-73, WM-16, WM-20,
WM-43
6/30/65 -- W-31, W-38, W-50, W-71, WM-26
6/30/66 -- W-25, W-34, W-35, W-37, W-40, W-44, W-45,
W-49, W-74, WM-44, WM-46
6/30/73 -- W-61

/Ensign moved, Vaux seconded, that the Western Direc-
tors instruct RRC to review annually existing West-
ern Regional projects and present an annual recom-
mendation (at the Summer meeting) for termination of
existing projects on June 30 of the following year and
for possible activations of new areas July 1 of the
following year. The question was raised if the Summer
meeting was the appropriate one. It was also suggested
that a listing of projects, similar to the current RRC
listing, in the minutes of the Winter or Spring meeting
preceding the one at which the review is to be held,
would put committees on notice that they should clearly
state progress and hopes for the future in annual re-
ports or through the Administrative Advisers for RRC
review purposes. The motion passed.

Summary of Actions on Projects

Revision approved -

- ✓W-25 to 6/30/66
- ✓W-34 to 6/30/66, with stipulations
- ✓W-32 (W-73) to 6/30/64, with stipulations
- ✓W-43 (W-74) to 6/30/66, with stipulations
- ✓W-45 to 6/30/66
- ✓WM-46 to 6/30/66, with stipulations

Proposals returned for further development -

- ✓W-24
- ✓WM-42
- W-ai (WAERC designation)

Extensions -

- ✓W-24 to 6/30/62
- ✓W-27 duration to 6/30/62, documented
- ✓W-41 to 6/30/62
- ✓W-56 to 6/30/63
- ✓WM-20 to 6/30/64
- ✓WM-23 to 6/30/62, terminal
- WM-36 to 6/30/62, terminal

Termination Reports accepted -

- ✓WM-24, accepted
- ✓WM-32, clarified status of termination report

Critical Reviews accepted -

- ✓W-39

Other actions on -

- ✓W-48, reviewed progress on revision
- ✓W-55, rescinded approval and number
- ✓W-71, reviewed contributing project
- ✓W-72, authorized activation 7/1/62, if outlines approved
- W-ak, (WAERC designation) authorized planning during 1961-62

Meeting at the Western Utilization Research and Development Division

The meeting convened at 9:00 a.m. on March 7 in the Regional Laboratory Building in Albany, California. The program was opened by Chairman Thorne, who introduced M. J. Copley, Director, WURDD, ARS, and expressed to him the appreciation of the Western Directors for the fine working relations enjoyed between the two organizations and for the opportunities this meeting afforded the Directors.

Copley introduced Laboratory personnel present at the meeting, commented upon the effects of PL-480 on Utilization Research; and upon the organization within ARS for conducting utilization and development research.

The following personnel of WURDD were present:

M. J. Copley, Director
 F. Stitt, Assistant Director
 C. H. H. Neufeld, Assistant Director
 R. H. Nagel, Assistant to Director
 H. P. Binger, Assistant to Director
 J. E. Simpson, Assistant to Administrator, Washington,
 D. C., ARS
 I. C. Feustel, Fruit and Vegetable Extension Specialist,
 FES
 R. V. Enochian, Agricultural Economist, AMS
 W. D. Ramage, Chief, Engineering and Development
 Laboratory
 G. O. Kohler, Chief, Field Crops Laboratory
 H. Lineweaver, Chief, Poultry Laboratory
 W. L. Stanley, Chief, Fruit Laboratory
 H. K. Burr, Chief, Vegetable Laboratory
 F. DeEds, Chief, Pharmacology Laboratory
 H. P. Lundgren, Chief, Wool and Mohair Laboratory
 A. N. Booth, Pharmacologist, Pharmacology Laboratory
 L. A. Goldblatt, Chemist, Field Crops Laboratory
 L. Kline, Chemist, Poultry Laboratory
 Mrs. Marjorie Heid, Food Technologist, Field Crops
 (In charge of luncheon)

The program consisted of a review of the Widdowson-McCance Wheat Nutrition Studies by A. N. Booth of the Pharmacology Laboratory; of Factors Affecting Egg Quality by Leo Kline of the Poultry Laboratory; of the New Crops Program of WURDD by L. H. Goldblatt of the Field Crops Laboratory; and of the Wool Program of WURDD by H. P. Lundgren of the Wool Laboratory.

The Directors also enjoyed a tour of the new Wool Processing Laboratory where much of the testing is done of chemical additives and other processes designed to improve the wearing qualities, consumer appeal, and processing ease of wool; a delicious "Wheat Products Smorgasbord Luncheon" featuring the use of bulgur and gluten, both as seasoned, non-extended menu items and as extenders for meat and other food items was served. Mrs. Marjorie Heid, who supervised the preparation of the luncheon, described the preparations of various items. Following the luncheon, a round-table discussion of the Laboratory's program was pursued. The meeting recessed at 2:15 p.m., and was resumed back in the Conference Room, 150 University Hall, Berkeley, at 2:35 p.m.

Presentation of
RRC Recom-
mended
Budgets

After completion of the RRC report (recorded earlier in the minutes), Rasmussen distributed copies of RRC recommended budgets. He explained the basis used by RRC in arriving at these recommendations. The recommendations were premised on July, 1960 budget

projections of the Western Directors; on the no increase and \$2.0 M. increase levels for Federal Grant funds specified by SESD; and on RRC actions to approve, send back, extend, and in other ways to affect the regional program. Directors were asked to study the budget recommendations during the overnight recess.

"No Increase Budgets"

Rasmussen moved, Frevert seconded, acceptance of RRC budget recommendations at the no increase level. Passed.

"\$2.0 M. Increase Budgets"

Boyce raised a question about the recommendation on W-45 Pesticide Residues at the \$2.0 M. increase level. He contrasted the budgets (RRF) on pesticide residue projects in the North Central, North East, and South to that on W-45. Rasmussen reminded the Directors that the figures presented had been premised on the unamended RRC recommendation for W-45, i.e., an extension of the current project for one year.

Alexander raised a question as to increases on forestry and soil and water projects. Increases were tabulated, and it was suggested that RRC and Administrative Advisers for W-45, soil and water and forestry projects review the distribution of increases shown.

Rosenberg suggested that some RRF at the \$2.0 M. increase level be allocated for a study of the accomplishments of regional research in the West.

Following discussion of the implications of tentative motion submitted by Rosenberg, Rosenberg moved, Jasper seconded, that the Western Directors recommend to ESCOP that a summary be compiled of the 15-year record of regional research in the Western States. This summary should provide information on funds by years, projects started and completed, major accomplishments and dollar estimates where feasible of the value of these accomplishments, and a compilation of publications resulting therefrom. Passed.

Rasmussen reported for RRC on the \$2.0 M. increase budget recommendations. He reported that, as a result of the review with W-45, soil and water, and forestry Administrative Advisers, RRC revised a few of its budget compilations. Revisions were presented for W-31, W-45, W-65, W-66, W-71, and WM-23. Recommended allotments for all of these except for W-31 were presented.

Rasmussen then moved, Asleson seconded, that the RRC recommendations on allotments at the \$2.0 M. increase level, as revised, be accepted by the Western Directors; that plans for the \$9,000 remaining unallocated in W-48, Weather and Crops, and the seemingly large P&C fund,

be explained by the Administrative Adviser, and subsequent action taken thereon, if necessary; and that the Administrative Adviser to W-31 be authorized to specify the distribution among the participating States and P&C of the (\$36,500 total) recommended budget. Passed.

Asleson explained that the technical committee for W-48 wishes to have all 12 Western States collect some data on weather patterns, the cost to be paid from the \$9,000 allocated fund. He also explained that the P&C fund would be used to get representatives from all 12 States to attend a meeting.

Asleson moved, Price seconded, that authorization be granted for the Administrative Adviser to invite representatives from all 12 States to a meeting to develop plans for collecting data on weather patterns, and to request that the planned work be carried out in all 12 States. The representatives to be invited are not necessarily on experiment stations' staffs, and the letter of invitation is to give a full explanation of purposes of the meeting. Passed.

Poultry
Respiratory
Disease
Research

Rasmussen reported on republication plans for an inter-regional report, the new report to include W-5 and State research results.

Regional
Laboratories

Beacher reported on legislative proposals which, if passed, would provide several new regional laboratory facilities.

SFS

Price reported on recent developments with regard to organization of SES. He canvassed the group on ideas.

Meeting of
Home Economists

Sharp reported that results from his mail survey to determine if the Directors would approve a meeting of Heads of Home Economics on March 16-17, 1961, were inconclusive, and asked if there were need to clarify the subject. After discussions of who might attend; the need for a specific agenda to guide the group's discussions; the small likelihood that RRF-financed projects could be started any time in the near future; expressions from several Directors that discussions should be primarily on research needs other than nutrition, and other facets; the consensus was that Sharp should correspond with the group, suggesting the general nature of the discussions as brought out above, and ask that an agenda for such a meeting be prepared through correspondence. Directors could then individually decide if it appears that the discussions would be along useful lines for Station Home Economists, and decide upon

attendance. It was agreed among the Directors that any persons attending should be research leaders.

East-West
Center at
University
of Hawaii

Rosenberg commented on a contract the University of Hawaii has negotiated with the State Department. This contract provides a grant of \$30 million to the University with which to finance living and tuition expenses of students from countries of East Asia and elsewhere. Following this, he commented on the budget and legislative situation in Hawaii. Sharp and other Directors commented on the situations in their States also.

July Agenda
Item

The question of research administration of experiment stations in relation to University administration, in general, was raised. The chairman asked that discussion of this question be deferred to the Summer 1961 meeting.

Dates for
Summer
1961
Meeting

Hilston reported on dates he and Wheeler had discussed and found to be agreeable with their institutions. Several conflicts were resolved, and the dates of July 10-12, 1961, were agreed upon by consensus. Tentatively, the first sessions will be at the University of Wyoming, Laramie, and the latter at the Colorado State University, Fort Collins.

Soil Survey
and Soil
Survey
Reports

Thorne reported that a letter from Soil Conservation Service regarding State contributions to help defray the costs of publishing soil survey reports would be answered by ESCOP. In discussion, it was brought out that SCS ask that experiment stations pay from 25 to 50 per cent of publications' costs connected with reporting the results of basic soil surveys. This would not affect current station activities in identifying and reporting on "bench-mark soils"; of conducting experiments primarily on such soils; or of management and interpretive-type studies based on the soil maps published by SCS.

The question was raised as to whether the request could be legally met; also, some thought the request should be directed to Extension Services rather than to experiment stations. It was pointed out that experiment stations could purchase copies of reports, if free supplies were inadequate.

Following discussion, Curry moved, Price seconded that the Directors of the agricultural experiment stations of the 12 Western States agree that soil survey is an important part of the programs of State agricultural experiment stations, and that station soil survey activities should be carried out in close cooperation with the Soil Conservation Service and other Federal agencies

having programs in this area. State programs in soil survey are varied, including such areas as training soil scientists; conducting research on the genesis and morphology of soils, the chemical and physical properties of soils, and the fertility and management of soils; assisting in field mapping of soils; and in preparing and publishing information pertaining to the above activities and the interpretation of soil survey information for practical use. The Western Directors do not agree, however, with the statement in the Soil Conservation Service memorandum on Policy on Soil Survey Publications, that State experiment stations should make direct financial contributions to the publication of technical soil survey reports. Many of the States would have difficult legal problems in transferring funds to the Federal Government for such purposes. States can purchase copies of reports as may be mutually agreed on. The Western Directors are favorable toward States publishing supplemental interpretive reports to accompany technical survey bulletins. Passed.

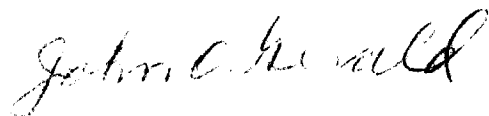
Appreciation

Curry moved that the chairman express the appreciation of the Western Directors to Sharp, his colleagues and staff, and the University of California for the excellent facilities and arrangements provided for the Directors' meeting, particularly for the excellent meeting room and for refreshments at breaks. The Directors wish to thank Dr. and Mrs. Sharp for the refreshments and dinner given for Directors and their wives on Monday evening, and for the diversions arranged for wives during the course of the meetings. Carried by acclamation.

Adjournment

The meeting adjourned.

Respectfully submitted,



John O. Gerald
Recording Secretary

1961-62 ALLOCATIONS TO WESTERN REGIONAL PROJECTS RECOMMENDED BY THE WESTERN DIRECTORS

March 6-8, 1961

		:W-1, Beef Cattle Breeding		:W-5, Poultry Disease		:W-6, New Plants		:W-7, Turkey Breeding	
STATE :		1960-61:	1961-62	1960-61:	1961-62	1960-61:	1961-62	1960-61:	1961-62
: Allot- :		No	: \$2.0 M. :	No	: \$2.0 M. :	No	: \$2.0 M. :	No	: \$2.0 M. :
: ment :		increase:	increase:	ment :	increase:	ment :	increase:	ment :	increase:
		\$ 4,000	\$ 4,000	\$	\$	\$ 4,000	\$ 4,000	\$	\$
Ariz.									
Calif.		5,300	5,300	8,000	11,000			2,650	2,650
Colo.		8,300	8,300					2,650	2,650
Haw.		4,100	4,100			750	750		
Ida.		5,300	5,300						
Mont.		6,600	6,600			1,000	1,000		
Nev.		5,400	5,400						
N.M.		8,300	8,300						
Ore.		8,300	8,300	1,000	1,000	1,500	1,500	2,650	2,650
Utah		6,600	6,600	3,500	2,000			2,650	2,650
Wash.		5,600	5,600	6,500	5,000	27,050	27,050	2,650	2,650
Wyom.		7,100	7,100					2,650	2,650
P&C		2,300	2,300	1,300	1,000	1,700	1,700	1,100	1,100
Trust									
TOTAL		\$77,200	\$77,200	\$20,300	\$20,000	\$36,000	\$36,000	\$17,000	\$17,000

* Includes \$300 for expenses of Recording Secretary I/ Included \$300 for expenses of Recording Secretary

W-12, Bean Breeding		W-16, Range Economics		W-24, Cotton Mechanization		W-25, Rangeland Improvement	
STATE : 1960-61 : 1961-62		: 1960-61 : 1961-62		: 1960-61 : 1961-62		: 1960-61 : 1961-62	
: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :		: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :		: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :		: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :	
: ment : increase : increase :		: ment : increase : increase :		: ment : increase : increase :		: ment : increase : increase :	
Ariz.	\$	\$	\$ 1,000	\$ 1,000	\$ 1,000	\$ 6,900	\$ 5,600
Calif.			2,500	2,500	3,200	4,700	5,500
Colo.	2,800	2,800					4,800
Haw.			2,000	1,500	1,500		2,400
Ida.	7,400	7,400					6,900
Mont.			2,000	2,000	2,000		3,700
Nev.			2,000	2,000	2,000		3,500
N.M.			2,000	2,000	2,000	6,250	3,200
Ore.	2,800	2,800	1,000	1,000	2,200		8,700
Utah			1,500	1,500	1,500		5,500
Wash.							3,700
Wyo.	5,900	5,900	3,000	3,000	3,000		4,500
P&C	1,600 ¹	1,300	2,000	1,800	2,000	300	2,000
Trust							
TOTAL	\$20,500	\$20,200	\$20,200	\$18,300	\$20,400	\$17,000	\$60,000

* Includes \$300 for expenses of Recording Secretary

13

:W-27, Sheep Vibriosis		:W-31, Soil Nitrogen		:W-32, Water Conservation 2/		:W-34, Range Lvstk Nutrition:	
STATE : 1960-61:		1961-62		1960-61:		1961-62	
: Allot- : No		: \$2.0 M. : Allot- : No		: \$2.0 M. : Allot- : No		: \$2.0 M. : Allot- : No	
: ment : increase: increase:		: ment : increase: increase:		: ment : increase: increase:		: ment : increase: increase:	
Ariz.	\$	\$	\$	\$	\$	\$	\$
Calif.							
Colo.	7,300	7,300	7,300	4,000	4,500	6,000	3,900
Haw.				3,500	4,000		3,900
Ida.	4,800	4,800	4,930				3,900
Mont.	10,100	10,100	10,100			1,500	4,400
Nev.							5,100
N.M.				--	--		4,400
Ore.				4,500	5,000		5,100
Utah	6,170	6,170	6,170	5,000	5,500	4,000	5,100
Wash.				5,500	6,000		3,900
Wyo.	5,500	5,500	5,500			4,000	4,400
P&C	1,000	1,000	1,000	1,500	1,500	1,800 ^{1/2}	2,400
Trust							
TOTAL	\$34,870	\$34,870	\$35,000	\$33,000	\$36,500	\$24,300	\$56,000

* Includes \$300 for expenses of Recording Secretary 2/ (W-73)

	\$ 3,500	\$ 3,300	\$ 3,300	\$ 3,300	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Ariz.																	
Calif.	7,300	7,000	7,000	7,000	2,800	2,800	2,800	2,800	5,200	5,200	5,200	5,200	7,000	7,000	7,000	7,000	7,000
Colo.	4,500	4,700	4,700	4,700	2,800	2,800	2,800	2,800	4,400	4,400							
Haw.	4,300	4,400	4,400	4,400													
Ida.	3,200	2,200	2,200	2,200	2,800	2,800	2,800	2,800	3,000	3,000	3,000	3,000	2,000	2,000	2,000	2,000	2,000
Mont.	5,800	5,600	5,600	5,600	2,800	2,800	2,800	2,800	3,500	3,500	3,500	3,500					
Nev.	4,500	4,500	4,500	4,500													
N.H.			0						2,000	2,000	2,000	2,000					
Ore.		3,200	3,200	3,200					5,000	5,000	5,000	5,000	6,000	6,000	6,000	6,000	6,000
Utah	5,800	5,300	5,300	5,300									9,000	9,000	9,000	9,000	9,000
Wash.	5,200	5,200	5,200	5,200					2,600	2,600	2,600	2,600	6,000	--	--	--	--
Wyo.	4,400	3,100	3,100	3,100	2,800	2,800	2,800	2,800	2,500	2,500	2,500	2,500					
P&C	2,400	2,400	2,400	2,400	1,000	1,000	1,000	1,000	1,800	2,100	2,100	2,100	1,000	1,000	1,000	1,000	1,000
Trust																	
TOTAL	50,900	50,900	50,900	50,900	\$15,000	\$15,000	\$15,000	\$15,000	\$30,000	\$30,000	\$30,000	\$30,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000

*Includes \$300 for expenses of Recording Secretary

STATE		W-40, Breeding Forage Plants:		W-41, Urinary Calculi		W-43, Leguminous Forage		W-44, Cholesterol Metabolism:	
		1961-62	1960-61	1961-62	1960-61	1961-62	1960-61	1961-62	1960-61
	Allot-	No	\$2.0 M.	Allot-	No	\$2.0 M.	Allot-	No	\$2.0 M.
	ment	increase:	increase:	ment	increase:	increase:	ment	increase:	increase:

Ariz.	\$	\$ 2,500	\$ 5,000	\$	\$	\$	\$ 2,500	\$ 2,500	\$ 2,500	\$ 5,000	\$ 4,500	\$ 4,500
Calif.		1,000	1,000	3,500	3,500	3,500	3,500	3,500	3,500	5,000	4,500	4,500
Colo.	4,600	1,000	1,000	6,200	6,200	6,200				4,000	3,500	3,500
Haw.		1,000	5,200								2,500	2,500
Ida.		1,000	2,100	4,100	4,100	4,100	2,150	2,150	2,150	4,000	2,600	2,600
Mont.		2,700	4,100	7,200	7,200	7,200				5,000	4,500	4,500
Nev.	5,000	2,500	5,000									
N.M.		3,000	3,000				1,500	1,800	1,800			
Ore.	5,500	7,000	7,000							5,000 ²	4,500	4,500
Utah	6,000	1,000	5,000				3,750	3,750	3,750	1,500	5,000	5,000
Wash.							1,000	1,500	1,500	2,500		
Wyo.	3,000	1,000	1,000	4,300	4,300	4,300	3,000	2,500	2,500			
P&C	1,200 ¹	1,300	1,300	1,000 ¹	700	700	1,600	1,600*	1,600*	1,300 ¹	1,100	1,100
Trust												
TOTAL	\$25,300	\$25,000	\$40,700	\$26,300	\$26,000	\$26,000	\$19,000	\$19,300	\$19,300	\$33,300	\$32,700	\$32,700

*Includes \$300 for expenses of Recording Secretary

3/ W-43 (W-74)

:W-45, Pesticide Residues :W-46, Stresses, Cattle, Sheep:W-47, Root Responses :W-48, Weather and Crops :													
STATE : 1960-61 : 1961-62 : 1960-61 : 1961-62 : 1960-61 : 1961-62 : 1960-61 : 1961-62 :													
: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :													
: ment : increase : increase : ment : increase : increase : ment : increase : increase : ment : increase : increase : ment : increase :													
Ariz.	\$ 3,630	\$ 4,800	\$ 6,150	\$ 2,400	\$ 2,400	\$ 2,600	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$	\$	\$
Calif.	4,720	4,450	4,500	2,200	2,200	2,800							
Colo.	3,340		4,000	2,000	2,000	2,300	3,800	3,800	3,800	3,800			
Haw.		3,000	4,000				700	700	700				
Ida.				1,900	1,900	2,200							
Mont.				1,900	1,900	2,100				4,000	4,000	4,000	4,000
Nev.				2,400	2,400	2,800							
N.M.				2,100	2,100	2,300							
Ore.	4,290	4,500	5,650	2,200	2,200	2,400	3,000	3,000	3,000				
Utah				2,100	2,100	2,500							
Wash.	3,720	2,750	5,650										
Wyo.				1,800	1,800	2,000							
P&C	1,915	2,415*	2,350*	2,300 ^{1/2}	2,000	2,000	800	800	800	1,000	1,300*	2,300*	
Trust												9,000 ^{4/}	
TOTAL	\$21,615	\$21,915	\$32,300	\$23,300	\$23,000	\$26,000	\$11,800	\$11,800	\$11,800	\$ 5,000	\$ 5,300	\$15,300	

* Includes \$300 for expenses of Recording Secretary

4/ Unallocated portion to be used for precipitation probability analysis.

W-49, Cattle Breeding Failures: W-50, Stresses & Perform-Hens: W-51, Drainage Design : W-52, Biochem. Herbicidal Action													
STATE : 1960-61 :		1961-62 :		1960-61 :		1961-62 :		1960-61 :		1961-62 :		1960-61 :	
Allot- : No :		\$2.0 M. :		Allot- : No :		\$2.0 M. :		Allot- : No :		\$2.0 M. :		Allot- : No :	
ment :		increase :		ment :		increase :		ment :		increase :		ment :	
Ariz.		\$ 2,800		\$ 4,300		\$ 1,360		\$ 1,360		\$ 1,360		\$	
Calif.		6,300		6,000		2,300		2,300		2,300		4,000	
Colo.		6,400		5,900		2,300		2,300		2,300		4,600	
Haw.													
Ida.		4,500		4,600									
Mont.		4,400		4,100		1,850		1,850		1,850		2,000	
Nev.		2,700		2,200									
N.M.						1,360		1,360		1,360			
Ore.		4,100		4,600		1,360		1,360		1,360		3,900	
Utah						1,850		1,850		1,850			
Wash.		7,500		7,000		1,360		1,360		1,360			
Wyo.						1,360		1,360		1,360		2,000	
P&C		1,300		1,300		1,450		1,455		1,500		900*	
Trust													
TOTAL		\$40,000		\$40,000		\$16,550		\$16,555		\$16,600		\$ 7,000	
												\$ 7,300	
												\$ 9,300	
												\$17,000	
												\$ 7,300	
												\$ 9,300	
												\$ 7,300	
												\$ 9,300	

* Includes \$300 for expenses of Recording Secretary

:W-54, Adjusting Farming												:W-55, Fruit Virus Disease												:W-56, Nematodes & Root												:W-57, Amino Acid Utilization:																																			
STATE : 1960-61:												1961-62												1960-61:												1961-62												1960-61:												1961-62											
: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :												: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :												: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :												: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :																																			
: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:												: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:												: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:												: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:																																			
Ariz.	\$ 2,500	\$ 2,500	\$ 2,900									\$	\$	\$	\$ 3,250	\$ 4,000	\$ 4,000	\$ 4,000																																																					
Calif.	2,700	2,700	2,700												3,250	4,000	4,000	4,000																																																					
Colo.	3,800	6,000	6,000									1,000			6,000 ¹	5,000	5,000	5,000																																																					
Haw.	3,000	3,500 2,500	4,800 3,000									2,000	2,300	2,300	5,500	4,000	4,000	4,000																																																					
Ida.	1,900	2,000	2,000													---	---	---																																																					
Mont.	1,000	1,000	1,000													5,000	5,000	5,000																																																					
Nev.	2,000	2,000	2,100													---	---	---																																																					
N.M.	1,000	1,000	1,000									2,000	2,700	3,000	2,000	2,500	2,500	2,500																																																					
Ore.	2,900	2,900	2,900									3,000	3,000	3,700	5,000	4,500	4,500	4,500																																																					
Utah	1,500	1,500	1,500											1,600	5,000	---	---	---																																																					
Wash.	2,900	3,100	4,100												6,000	8,000	9,500	9,500																																																					
Wyo.	1,500	1,500	1,900												5,000	4,000	4,500	4,500																																																					
P&C	2,215	2,400	2,800									2,000	2,300*	2,300*	2,000	2,000	2,000	2,000																																																					
Trust																																																																							
TOTAL	\$28,915	\$31,100	\$33,900									\$10,000 ¹	\$10,300	\$12,900	\$43,000	\$43,000	\$45,000	\$45,000																																																					

* Includes \$300 for expenses of Recording Secretary

:W-58, Forage Crop Production:W-59, Price & Income Policy:W-60, Textiles :W-61, Sheep Breeding :									
STATE :	1960-61:	1961-62	1960-61:	1961-62	1960-61:	1961-62	1960-61:	1961-62	1961-62
: Allot- :	No	: \$2.0 M. :	Allot- :	No	: \$2.0 M. :	Allot- :	No	: \$2.0 M. :	No
: ment :	increase:	increase:	ment :	increase:	increase:	ment :	increase:	increase:	ment :
Ariz.	\$ 4,000	\$ 4,000	\$		\$		\$		\$ 1,220
Calif.	4,500	4,500					1,125	2,500	1,220
Colo.							875 ¹	1,300 ¹	1,220
Haw.	3,500	3,500							
Ida.									
Mont.	3,600	3,600							
Nev.	3,500	3,500					875	1,200	1,220
N.M.							1,325	1,300	1,220
Ore.							1,075	1,000	1,220
Utah							925		1,220
Wash.	3,000	3,000							2,000 ⁶
Wyo.	4,000	4,000							1,220
P&C	1,200	1,500*							
Trust									
TOTAL	\$27,300	\$27,600	\$11,700	\$12,300	\$13,100	\$10,000	\$10,000	\$10,000	\$16,200

* Includes \$300 for expenses of Recording Secretary

5/ Cloth

6/ Includes \$765 for processing data.

:W-62, Farm Power & Machinery:W-63, Weed Control										:W-64, Fruit Viruses										:W-65, Irrigation Hydraulics:									
STATE : 1960-61: 1961-62 : 1960-61: 1961-62										: 1960-61: 1961-62										: 1960-61: 1961-62									
: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :										: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :										: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :									
: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:										: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:										: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:									
Ariz.	\$ 2,500	\$ 2,500	\$ 2,800	\$ 2,900	\$ 2,900	\$ 2,900	\$ 3,100	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Calif.				3,300	3,300	3,300	3,500	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300
Colo.				3,900	3,900	3,900	4,100																						
Haw.	1,000	1,000	1,000																										
Ida.	1,100	1,000	1,500	4,700	4,700	4,700	4,900	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300
Mont.				3,100	3,100	3,100	3,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300
Nev.				3,500	3,500	3,500	3,700																						
N.M.	1,000	1,000	1,000	2,800	2,800	2,800	3,000																						
Ore.	1,900	1,900	1,900	3,600	3,600	3,600	3,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800
Utah	1,500	1,500	1,700	2,800	2,800	2,800	3,000	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500
Wash.	2,550	2,600	2,600	3,800	3,800	3,800	4,000	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700	4,700
Wyo.	1,500	1,500	1,500	3,900	3,900	3,900	4,100																						
P&C	1,800	1,900	1,900	1,700	1,700	1,700	1,600	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Trust																													
TOTAL	\$14,850	\$14,900	\$15,900	\$40,000	\$40,000	\$40,000	\$42,100	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000	\$26,000

* Includes \$300 for expenses of Recording Secretary

:W-66, Soil Structures :W-67, Soil-Plant-Water:W-68, Soil-Moisture Movement W-69, Housing													
STATE : 1960-61:		1961-62		1960-61:		1961-62		1960-61:		1961-62		1960-61:	
: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :		: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:		: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:		: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:		: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:		: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:		: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:	
Ariz.	\$ 3,500	\$ 3,500	\$ 3,600	\$ 2,000	\$ 2,000	\$ 3,200	\$ 500	\$ 500	\$ 800	\$ 4,500	\$ 4,750	\$ 4,750	\$ 4,750
Calif.	2,500	2,500	2,600	5,000	5,000	5,000	500	500	800	4,000	4,750	4,750	4,750
Colo.	3,000	3,000	3,100	5,500	5,500	5,500	500	500	1,100	5,000	5,000	5,000	5,000
Haw.	2,400	2,400	2,400				500	500	1,450				
Ida.													
Mont.	2,600	2,600	2,600	2,000	2,000	3,200	500	500	1,550				
Nev.	2,600	2,600	2,700										
N.M.	3,600	3,600	3,700										
Ore.				5,000	5,000	5,000	500	500	1,550				
Utah	3,000	3,000	3,100	5,500	5,500	5,500	500	500	800				
Wash.				5,000	5,000	5,000	500	500	1,650	6,500	5,500	5,500	5,500
Wyo.	2,600	2,600	2,600	3,000	3,000	3,600							
P&C	1,300	1,300	1,400	1,500	1,500	1,500	1,000	1,000	1,300	1,000	1,000	1,000	1,000
Trust													
TOTAL	\$27,100	\$27,100	\$27,800	\$34,500	\$34,500	\$37,500	\$ 5,000	\$ 5,000	\$11,000	\$21,000	\$21,000	\$21,000	\$21,000

* Includes \$300 for expenses of Recording Secretary

		:W-70, On-Farm Water Use		:W-71, Tree Seedling.....		:W-72, Forest Insects		:W- , Water Resource Mgmt	
STATE :		1960-61:	1961-62	1960-61:	1961-62	1960-61:	1961-62	1960-61:	1961-62
: Allot- :		No	:\$2.0 M. :	Allot- :	No	:\$2.0 M. :	Allot- :	No	:\$2.0 M. :
: ment :		increase:	increase:	ment :	increase:	ment :	increase:	ment :	increase:
Ariz.	\$	\$	\$	\$	\$	\$	\$	\$	\$
Calif.		3,000	3,000	1,000	1,000	3,150	3,150	2,500	3,400
Colo.				---	---	2,500	2,500	2,300	3,500
Haw.									
Ida.	1,000	1,000	1,400	3,000	3,000	3,000	3,000	2,000	2,900
Mont.									
Nev.	2,000	2,000	2,000						
N.M.	1,000	1,000	1,700						
Ore.				3,150	3,150	3,150	3,150		
Utah	1,500	1,500	1,800	3,000	3,000	3,000	3,000		
Wash.	1,000	1,000	1,000	---	---	---	---		
Wyo.				---	---	---	---		
P&C	800	1,000	1,000	900	900	1,000	1,000	692	700
Trust									
TOTAL	\$ 7,300	\$10,500	\$11,900	\$11,050	\$11,050	\$18,300	\$18,300	\$ 7,492	\$10,500

* Includes \$300 for expenses of Recording Secretary

WM-16, Grain Insect Control: WM-17, Froz. Frts. & Vegts. : WM-20, Hay and Feed : WM-23, Wool											
STATE : 1960-61: 1961-62			: 1960-61: 1961-62			: 1960-61: 1961-62			: 1960-61: 1961-62		
: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M.			: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M.			: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M.			: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M.		
: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:			: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:			: ment : increase: increase: ment : increase: increase: ment : increase: increase:			: ment : increase: increase: ment : increase: increase: ment : increase: increase:		
Ariz.	\$ 2,200	\$ 2,500	\$ 3,300	\$	\$	\$ 3,500	\$ 5,000	\$ 5,500	\$	\$	\$
Calif.	3,300	3,300	3,300	11,100	12,000	13,500					
Colo.									3,450	3,450	3,450
Haw.											
Ida.	3,500	3,500	3,500								
Mont.						5,000	3,500	3,500	4,350	4,350	4,350
Nev.						2,700	2,700	2,700			
N.M.						3,400	1,500	1,500	4,875	4,475	4,475
Ore.	2,500	2,700	3,400	7,700	7,700	8,800			3,450	3,450	3,450
Utah						3,000	3,000	3,400	3,100	3,100	3,100
Wash.	3,500	3,500	3,500	2,500	2,500	2,500	1,100	3,100			
Wyo.						5,000			4,275	4,275	4,275
P&C	1,500	1,000	1,000	400	700*	700*	1,500 ¹	1,000	1,500	1,900	1,900
Trust											
TOTAL	\$16,500	\$16,500	\$18,000	\$21,700	\$22,900	\$25,500	\$24,100	\$20,700	\$25,000	\$25,000	\$25,000

* Includes \$300 for expenses of Recording Secretary

: VM-26, Consumer Purchases... : VM-33, Meat : VM-35, Seed Marketing : VM-36, Dairy Consumption :
 STATE : 1960-61 : 1961-62 : 1960-61 : 1961-62 : 1960-61 : 1961-62 : 1960-61 : 1961-62 :
 : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :
 : ment : increase : increase : ment : increase : increase : ment : increase : increase : ment : increase : increase :

Ariz.	\$	\$	\$ 3,300	\$ 3,300	\$ 3,300	\$ 3,300	\$	\$	\$	\$ 2,200	\$	\$
Calif.	10,900	6,400	5,000	5,000	5,000	3,200	3,200	3,200				
Colo.	2,100					2,700	2,900	2,900	5,100	5,100	5,400	
Haw.									2,000			
Ida.									3,000	3,500	3,500	
Mont.									2,600			
Nev.	1,400								1,500			
N.M.												
Ore.		2,900	5,000	5,000	5,000	3,200	3,200	3,200				
Utah									2,500			
Wash.		5,100							5,100			
Wyo.									1,800	1,600	1,600	
Alas.									5,000	5,000	5,000	
P&C	1,900	1,600	500	800*	800*	900	700	700	1,800	500	500	
Trust												
TOTAL	\$16,300	\$16,000	\$13,800	\$14,100	\$14,100	\$10,000	\$10,000	\$10,000	\$32,600	\$15,700	\$16,000	

* Includes \$300 for expenses of Recording Secretary

: VM-37, Lvstk Transportation: VM-38, Mgmt. & Orgn., Coops : VM-39, Direct Buying, Lvstk : VM-40, Retail Procurement :													
STATE : 1960-61: 1961-62 : 1960-61: 1961-62 : 1960-61: 1961-62 : 1960-61: 1961-62 :													
: Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. : Allot- : No : \$2.0 M. :													
: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase: ment : increase: increase:													
Ariz.	\$ 2,800	\$ 3,600	\$ 4,000	\$	\$	\$	\$ 3,800	\$ 4,000	\$ 4,500	\$	\$	\$	\$
Calif.	2,900	3,000	3,000	3,000						6,400	3,000	3,000	
Colo.				4,000	4,000	5,300	5,100	5,800	6,300	5,200	5,200	5,500	
Haw.				2,500	2,000	3,200				3,500	3,000	3,000	
Ida.	3,500	3,600	4,100				3,600	3,600	4,100	4,000	4,000	4,500	
Mont.	2,350	2,050	2,050	4,000	4,000	4,200	2,000	1,800	2,600				
Nev.	1,700	1,900	1,900	1,500	1,500	1,300	2,200	1,900	1,900				
N.M.	4,000	3,600	3,600	3,100	2,500	2,700		1,800	2,500				
Ore.				3,800	2,600	3,000				3,200	3,200	3,200	
Utah	2,700	2,400	2,400	1,700	3,000	3,650							
Wash.	3,400	3,600	4,600	5,400	6,000	6,400	3,700	2,900	2,900	4,900	7,000	7,000	
Wyo.	3,500	1,600	1,600				1,500	3,200	3,500	1,400	1,800	2,200	
P&C	1,600	1,500	1,500	1,600	1,600	1,632	1,400	1,700*	1,600*	1,500	1,400	1,400	
Trust	3,000	3,000	3,000				3,000	3,000	3,000				
TOTAL	\$31,450	\$29,850	\$31,750	\$30,600	\$27,200	\$30,622	\$26,300	\$29,700	\$32,900	\$30,100	\$28,600	\$29,800	

* Includes \$300 for expenses of Recording Secretary

7/ Action recommended by RRC on 4/3/61; concurrence of Directors still pending.

	WM-41, Cotton Marketing		WM-42, Timber Processors		WM-43, Bulk Handling		WM-44, Promotion & Utilization	
STATE :	1960-61 :	1961-62 :	1960-61 :	1961-62 :	1960-61 :	1961-62 :	1960-61 :	1961-62 :
: Allot- :	No :	\$2.0 M. :	Allot- :	No :	\$2.0 M. :	Allot- :	No :	\$2.0 M. :
: ment :	increase :	increase :	ment :	increase :	ment :	increase :	ment :	increase :
Ariz.	\$ 2,500	\$ 2,500	\$	\$	\$	\$	\$	\$
Calif.			4,600	4,500	4,500	7,500	9,000	
Colo.			6,000	5,500	6,000			
Haw.								
Ida.			4,000	4,000	4,200			
Mont.							2,000	3,200
Nev.								
N.M.	2,500	2,500	1,000	2,400	3,100			
Ore.			5,000	5,000	5,000	6,000	6,000	1,800
Utah				1,800	1,800			
Wash.			4,300	4,000	4,000		2,400	3,600
Wyo.								
P&C	200	200	1,300 ^{1/2}	1,400	1,800	400	400	1,000
Trust								
TOTAL	\$ 5,200	\$ 5,200	\$ 26,200	\$ 28,600	\$ 30,400	\$ 12,900	\$ 13,900	\$ 15,400
						\$ 8,000	\$ 12,100	\$ 14,700

* Includes \$300 for expenses of Recording Secretary

:VN-45, Utilization		:VN-46, Milk Market Orgn.		: 1961-62 totals		: 1961-62 totals		: 1961-62 totals	
STATE : 1960-61:		: 1961-62		: 1960-61:		: 1961-62		: for Marketing RRF:	
: Allot- : No		: \$2.0 M. : Allot- : No		: \$2.0 M. : No		: \$2.0 M. : No		: \$2.0 M. : No	
: ment : increase:		: increase:		: increase:		: increase:		: increase:	
Ariz.		\$	\$						
Calif.			5,000	5,000					
Colo.									
Haw.			2,000	2,000					
Ida.									
Mont.			4,000	4,400					
Nev.			1,500	1,700					
N.M.									
Ore.									
Utah									
Wash.			4,000	4,000					
Wyo.									
P&C			1,100	1,100					
Trust									
TOTAL		\$17,600	\$18,200	1,143,982	1,242,900	330,750	354,332	1,474,732	1,597,232

* Includes \$300 for expenses of Recording Secretary