

ASSOCIATION OF WESTERN AGRICULTURAL EXPERIMENT STATION DIRECTORS  
AND  
UNITED STATES DEPARTMENT OF AGRICULTURE  
211 POST OFFICE BUILDING  
BERKELEY 1, CALIFORNIA

OFFICE OF THE  
RECORDING SECRETARY

May 4, 1960

TO : Western Directors  
FROM : Robert E. Olson, Recording Secretary  
SUBJECT: Minutes of Western Directors' Meeting  
March, 1960

*REO*

Copy of the minutes of the March 1960 meeting at Las Cruces, New Mexico, is enclosed. Included in these minutes is the report of the Committee on Regional Research.

Enclosures

cc: Associate and  
Assistant Directors  
Secretaries of: North Central Region  
Northeastern Region  
Southern Region

MINUTES OF  
WESTERN DIRECTORS' MEETING  
Las Cruces, New Mexico  
March 2-4, 1960

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

R. K. Frevert	Arizona
Harold E. Myers	Arizona
A. M. Boyce	California
D. E. Jasper	California
Paul F. Sharp	California
S. S. Wheeler	Colorado
Morton M. Rosenberg	Hawaii
R. D. Ensign	Idaho
W. E. Ogg	Iowa
W. G. Stucky	Iowa
J. A. Asleson	Montana
Roy E. Huffman	Montana
J. E. Adams	Nevada
C. E. Fleming	Nevada
R. H. Black	New Mexico
A. S. Curry	New Mexico
Morris D. Finkner	New Mexico
A. E. Triviz	New Mexico
R. M. Alexander	Oregon
F. E. Price	Oregon
Wynne Thorne	Utah
Lowell W. Rasmussen	Washington
N. W. Hilston	Wyoming
John R. Vaughn	Wyoming

Harry C. Trelogan	AMS
M. J. Copley	ARS
E. C. Elting	ARS
H. O. Rodenheiser	ARS
B. F. Beacher	SESD

Robert E. Olson                      Recording Secretary

Approval  
Minutes of  
November 1959

Price moved, Black seconded, that the Minutes of November be approved as distributed, except that on page 14 in the discussion of W-23 the word "Psychological" be changed to "Physiological". Passed.

Report on Current  
Developments of  
General Interest  
by E. C. Elting

Elting reported that tables summarizing the 1961 budget items relating to research had been completed and copies of the tables provided to each director. In brief, operating fund increases of approximately \$5 million for Department research agencies and an increase of \$1 million in payments to State experiment stations were included.

With reference to the hearing before the House Subcommittee on Agricultural Appropriations, held February 16-18, he indicated that each increase item had been challenged by the chairman and at this stage there was no assurance that any of the above increase items would be included in the Appropriation Bill. He noted also that the chairman of the House Committee had inquired about the feasibility of organizing a Regional Research Project on increasing the efficiency of tobacco production, and that a report on the feasibility of this suggestion was to be made to the Committee by March 10.

He reported that no action had been taken on Senate Bill 690 and cited a statement from Assistant Secretary, E. L. Peterson, appearing in the Congressional Record on March 1, 1960, indicating that the Department favored the enactment of S 690 in the form in which it passed the House last year.

He described the three publications recently released which related to the activities of the Committee on Research Evaluation, commonly referred to as the CORE Report. These included USDA Miscellaneous Publication No. 816, the detailed report -- An Evaluation of Agricultural Research; a popular summary, USDA Agriculture Information Bulletin No. 221 -- An Appraisal of Agricultural Research; and A Detailed Analysis of Research in the U. S. Department of Agriculture -- as related to the report An Evaluation of Agricultural Research. Copies of the last named had not been given general distribution but will be available on request by those concerned.

He explained the functions of the newly appointed coordinator for utilization research as announced in the Department release of February 24. Dr. Roy Newton was appointed to this position and probably will visit a number of experiment stations to familiarize himself with utilization research in progress.

He also referred to the introduction of Senate Joint Resolution No. 156 by Senator Anderson on January 29, which would provide for basic research on certain water-wasting trees and plants in the West.

He explained SESD's role in sending out the questionnaire on public relations activities at the specific request of the Joint Committee on Public Relations, headed by Dean Butz.

Similar questionnaires were sent out by the Extension and Resident Teaching Sections and the results of the three surveys are to be summarized into a single report.

He stated that the SESD examiner would have check lists of all Memorandums of Understanding and Cooperative Agreements now on ARS records which should be useful in reconciling with files at the experiment stations.

He stated that there was still opportunity to request comprehensive reviews during the 1960-61 fall and winter season. He noted further that of some 60 reviews conducted to date, 21 had been at Western experiment stations.

Legislative  
Subcommittee

Thorne reported for the Legislative Subcommittee supplementing points included in Dr. Elting's statement. He indicated support was needed for the requested one million dollar increase in Federal Grant appropriations. He discussed the legislative history of the Facilities and Utilization bills, and indicated there was division of opinion among members of the Legislative Subcommittee on the stand that State Experiment Stations should take on proposed legislation relating to Utilization and Physical Facilities.

There was considerable discussion in the group on the pros and cons of courses of action the Western Directors might take on this, after which

Price moved, Wheeler seconded, that the House version of S 690 most nearly approaches the philosophy of the recommendations of the Western Directors at their meeting of July, 1958, as amended in November, 1958, that they believe it would be desirable to provide that any extension of activities within the areas of utilization of agricultural products at the Federal level be carried on within the framework of Department of Agriculture; the Western Directors suggest to the legislative subcommittee that favorable consideration be given to House version of this bill. Passed.

Thorne pointed out the need of the Legislative Subcommittee for more information about basic research conducted by the experiment stations in various subject matter fields. He cited the California report on this subject as being very helpful and hoped that other States would pick up the idea and develop similar statements. He emphasized the need for this information soon.

Request for  
Suggestions on  
Experiment Station  
Program

Black referred to the following telegram from Director Krauss requesting suggestions on program for the next meeting of the Experiment Station Section and Division of Agriculture.

"WOULD APPRECIATE HAVING YOU SOLICIT SUGGESTION FROM WESTERN DIRECTORS REGARDING PROGRAM FOR EXPERIMENT STATION SECTION AND DIVISION OF AGRICULTURE."

Rodenheiser Reports  
on the Status of  
ARS Research at  
Field Locations

H. A. Rodenheiser, Deputy Administrator of ARS for Farm Research, presented a summary of research at field stations in the Western Region. Using large-scale charts and tables depicting the research and personnel stationed at each field location and the category of the location, he discussed the present status and gave indications of possible future plans indicating in general where adjustments may be made and the kind of research conducted at each location.

Joint Committee on  
Cooperative  
Research

Frevert reported on the activities of this Committee. He indicated that he felt the Committee was in no position to speak for the Directors in discussing cooperative research with ARS. He emphasized the fact that any changes in arrangements for cooperative research must be worked out by ARS with the individual stations or group of stations directly concerned. Frevert asked for discussion among the Directors on how the Committee should operate. There was some discussion about the work of this Committee by the Directors and by Dr. Elting, chairman of the Committee.

Among the points brought out in the discussion were statements by Drs. Elting and Rodenheiser to the effect that Dr. Rodenheiser's presentation covered little more than a presentation of current status and was but a starting point toward any changes which will in any case be discussed with the Directors concerned. One of the Directors suggested that the whole program, as it affects each State, be discussed with each of the station Directors. It was indicated this would be done.

Work of the  
Agricultural  
Adjustment  
Center at Iowa  
State University

Drs. Stucky and Ogg of the Agricultural Adjustment Center at Iowa State University presented an informative summary of present work and future plans for research. The presentation centered on three major points:

1. Explanation of the background which led to the establishment of the Center,
2. Analysis of the adjustment problem, and
3. Some of the implications for agricultural research.

After the presentation there was a general discussion of the agricultural adjustment problem by the Directors of the implications for the research programs of the agricultural experiment stations.

Agricultural  
Adjustment  
Workshops

Price explained the plans that have been developed for a workshop on problems of agricultural adjustment at Moscow, Idaho. There was discussion of a workshop tentatively planned for the Southwest. After discussion of plans for the workshops,

Ensign moved, Rosenberg seconded, that the Western Directors go on record as supporting the agricultural adjustment workshops, as proposed for the Northwest and Southwest, with the understanding that participation be left to individual western states. Passed.

Utilization Research

After the reports of Dr. Elting and Dr. Thorne relating to legislation proposed for organizing research on utilization and discussion by the Directors, Chairman Myers appointed a subcommittee to draft a proposed resolution.

WHEREAS, the House version of S 690 most nearly approaches the philosophy of the recommendations of the Western Directors at their meeting of July, 1958, as amended in November, 1958, that they believe it would be desirable to provide that any extension of activities within the areas of utilization of agricultural products at the federal level be carried on within the framework of Department of Agriculture; the Western Directors suggest to the legislative subcommittee that favorable consideration be given to House version of this bill.

Report of Dr. Copley  
Western Utili-  
zation Research  
Development  
Division

Dr. M. J. Copley explained to the group the new staff function to the Deputy Administrator for Utilization Research and Development established in ARS under Dr. Matchett. The purpose is to analyse information regarding the economic feasibility of products proposed to be manufactured from agricultural commodities and of processes proposed to be applied to them.

He explained the research planned under the provisions of Public Law 480 which provides for support of research by foreign currencies under certain conditions. He indicated the problem of getting enough proposals that meet all the requirements. Dr. Copley announced that the Wool Laboratory was dedicated last November and the equipment is now in operation. He discussed the development of an oil seed program and the research in progress at the WUR Laboratory relating to the requirements of the Food and Drug Act on food additives.

The next Collaborators' conference at the Laboratory will be a joint program of experiment station and Laboratory staff on the subject of Chromatographic Separations.

Report of  
Dr. Trelogan  
AMS

Dr. H. C. Trelogan explained the recent reorganization of the AMS. He indicated the changes in the research budget of Marketing Services, pointing out the reduction in the amount allocated to Consumer Preference work. He discussed the planned changes in emphasis of the new work contemplated by AMS during the coming year. Among these changes he mentioned study of new methods of crop estimating in the western states, work on quality evaluation as related to grades and standards, research on vertical integration, new product development, market testing of new products, new produce centers in certain large produce terminal markets and the work on costs and margins. He explained the increased coverage under the Packers and Stockyards Act and the change in the grading standards for lamb.

Regulations  
Relating to Agri-  
culture Chemical  
Residues and  
Tolerances

Boyce presented a thorough summary of present problems confronting the experiment stations presented by the laws and regulations relating to the use of chemicals with agricultural products.

Chairman Myers appointed Boyce, Frevert, Asleson and Alexander to draft a resolution expressing the viewpoint of the Western Directors. Boyce presented the proposed resolution:

WHEREAS, it is recognized that regulation is necessary to safeguard human health against indiscriminate use of chemicals with food products; and

WHEREAS, the State Agricultural Experiment Stations have a responsibility for conducting research for the purpose of making recommendations to insure the production of an adequate amount of safe and wholesome food for the American people; and

WHEREAS, the use of pesticide and plant control chemicals is vital for economical production of food, feed and fiber; and

WHEREAS, present legislation and governmental policies of administration unduly restricts the use of certain available chemicals militates against the development of useful new compounds; and

WHEREAS, the present legislation and regulations make it difficult, if not impossible, to make recommendations based on research findings for the use of many chemicals that are needed for efficient crop production and hence limits the Agricultural Experiment Stations and Extension Service in continuing to meet their responsibilities fully;

NOW THEREFORE, The Association of Western Experiment Station Directors endorses the current study and reappraisal of existing laws and regulations by President Eisenhower's Science Advisory Committee AND FURTHER, recommends the designation of a panel of distinguished scientists within the framework of The National Academy of Sciences to make a continuing study of the functioning of legislation in this area, and when appropriate, to make recommendations for new legislation to provide for the use of the latest scientific knowledge in developing criteria for the safe use of agricultural chemicals and food and feed additives.

Adams moved, Vaughn seconded, that the Directors accept the resolution relating to use of chemicals in agriculture prepared by Dr. Boyce and his committee, with commendation to the group. Passed.

Support of  
Agricultural  
Research

Rasmussen reported on the status of the data which he and Buchanan have assembled and are in the process of analyzing showing by States the relationship of support for agricultural research and total income, tax revenue and value added by manufacturing. He indicated the experiment stations will be ranked in order of total funds available, number of publications, number of workers and by amount of State appropriations. The analysis will be sent to the Directors as soon as completed.

[Subsequent to the March meeting, this material was circulated by Director Buchanan to all Directors.]

Proposal for  
Summarizing Carlot  
Unloads of Fresh  
Fruits and  
Vegetables

Myers read to the group Director Lyle's letter of December 22, 1959, recommending that an amount of \$10,000 be assigned from RRF for the support of a project designed to summarize data on carlot unloads of fresh fruits and vegetables. This proposal had been circulated to the Directors prior to the meeting.

Thorne moved, Sharp seconded, that the Western Directors not look sympathetically on the proposal to use \$10,000 in regional funds to summarize carlot unloads of fresh fruits and vegetables. Passed.

Report of Committee  
on Regional  
Research

Rosenberg reported for the Committee on Regional Research. Consensus was that the Directors would vote separately on each recommendation of the RRC. Report of the RRC follows. Actions of the Western Directors relating to the recommendations are included in parentheses following the item to which they pertain.



REPORT OF THE COMMITTEE ON REGIONAL RESEARCH (RRC)  
to  
THE WESTERN DIRECTORS

February 29 - March 1, 1960  
Las Cruces, New Mexico

The following were present:

M. M. Rosenberg  
R. H. Black  
L. W. Rasmussen  
B. F. Beacher, SESD  
R. E. Olson, Recording Secretary

A. REVISED PROJECT OUTLINES

W-25, Ecology and improvement of brush infested range lands... The outline of this project is acceptable, although the objectives are comprehensive. The State Contributing Projects tie in well and appear to fall within the scope of the problem. This project has been fruitful to date and gives promise of yielding a proportionately greater return if continued for an additional five years. Some of the preliminary work might be misleading if not followed up by additional research. The RRC believes the justification for continued research is well founded and recommends approval of the revised project to June 30, 1965.

(Rosenberg moved, Black seconded, that the recommendation be approved.  
Passed.)

W-31, The conservation and improved use of nitrogen in western soils.... Accomplishments to date have been noteworthy, having provided basic information and especially the standardization of techniques for further studies. The objectives have been reasonably well accomplished. The proposed revised project outline is well developed throughout. It is sufficiently related to the original W-31 that it should be accepted as a revision and retain that number. Approval to June 30, 1965, is recommended.

(Rosenberg moved, Black seconded, that the recommendation be approved.  
Passed.)

W-32, Basic hydrologic factors in precipitation disposal related to water conservation.... The RRC recommends one year continuation of this project, to June 30, 1961, during which current work should be brought to completion. Any proposed new work on some selected problem within the area of hydrology may be outlined in a new project proposal for consideration and activation based upon the merits of the proposal and available funds. This recommendation is based upon the following reasons:

1. The critical review report states a new approach should be aimed at concentrating upon basic principles rather than upon watershed measurements.

2. The project outline currently submitted cites in the section on previous work and present status only the work on existing W-32 and makes no reference to background or foundation information for the new more basic approach.
3. The procedure outlined and the contributing projects aimed at objective one are not consistent with the objective; and in fact show little relationship to it.
4. The procedure and contributing projects for objective two are much more limited than the objective implies. Perhaps the objective is too broad. Conceivably this objective could be a large project if such work is deemed necessary.
5. The proposed work to accomplish objective three is closely related to and dependent upon knowledge developed under Regional Projects W-66, and W-67. In fact, the contributing project for the accomplishment of this objective might more properly be tied into one of these projects.
6. Objective four is not clearly stated. There are four rather diverse contributing projects aimed at this objective, one of which is very definitely aimed at studies of mulches in summer-fallow fields. The overall problem implied by this objective is too large to expect solution by work outlined in the other three contributing projects.

(Rosenberg moved, Curry seconded, that the recommendation be approved.  
Passed.)

W-34, Range livestock nutrition....W-34 is presently scheduled to be terminated June 30, 1960. A proposed revised outline was presented in support of extension of this project. It is the consensus of the RRC that the objectives presented in the revision encompass too great an area of research to be completed in a reasonable period of time. The Technical Committee recognizes this by suggesting a ten to twenty year project. It is recommended that the project be extended one year to enable the Technical Committee to more precisely define objectives that may reasonably be completed within a period of five years. The contributing projects should be revised accordingly. The critical review enclosed with the revised project outline also requires revision. As presented, it is difficult to evaluate the degree to which each objective was accomplished. Areas needing further research were not included. The bibliography contains reference to work undertaken previous to approval of the regional project.

(Rosenberg moved, Thorne seconded, that the recommendation be approved.  
Passed.)

W-37, Biology, ecology, and control of rangeland grasshoppers....The RRC reviewed a progress and evaluation report as well as a proposed revision of the regional project outline "Natural Factors Responsible for Grasshopper Population Changes." The committee believes the project is worthy of continuation. However, the revised regional project outline does not adequately develop the proposed physiology approach to the problem of predicting grasshopper infestation. Inasmuch as the regional

project is not due for termination until June 30, 1962, it is recommended that the Technical Committee redraft the regional project outline to state more specifically their plans for future research. It is recommended the Technical Committee acknowledge the work of the GP-4 Committee and coordinate their future activities with that Committee. It is noted that Colorado and Wyoming are contributors to GP-4.

(Rosenberg moved, Adams seconded, that the recommendation be approved. Passed.)

W-46, The effects of environmental stresses on range cattle and sheep production....This project was activated July 1, 1956, and funded at the present level of support July 1, 1958. The Technical Committee has submitted an excellent amendment of its regional project. An amendment, rather than a revision; was submitted in order to more precisely describe procedures and to extend the duration of the project for a time sufficient to permit accomplishment of the present objectives. The RRC commends the Technical Committee for an outstanding critical review. Although supported by a modest budget, the list of publications resulting from this study is truly noteworthy. Because of the fine accomplishments of the Technical Committee during the short time the project has been funded at the current level and the fact that the changes in the regional project outline are minor, it is the consensus of the RRC that the project should be extended to June 30, 1963.

(Rosenberg moved, Curry seconded, that the recommendation be approved. Passed.)

W-50, Atmospheric stresses on the performance of laying chickens....It is recommended that Project W-50 be extended to June 30, 1965. In general, it is a very good project and should be granted an opportunity to reach a fruitful conclusion. This recommendation is qualified, however, subject to the completion of the following procedures:

1. The Technical Committee be instructed to prepare a critical review of work completed to date, including an explanation of the changes incorporated into the revised project outline;
2. The justification in the revised project outline should be revised to include the work proposed under objective four. No mention is made of the exogenous influences (e.g. nutrition and inheritance) that affect the response of chickens to atmospheric stress.

(Rosenberg moved, Black seconded, that the recommendation be approved. Passed.)

IRM-1, Impact of present and proposed agricultural price and income programs. A revised project for IRM-1 was received and reviewed by the RRC. The interregional committee is encouraged to prepare a critical review of research conducted to date based upon the objectives of the project outlines. The review on hand is a presentation of State accomplishments and, as such, does not provide a measure of the degree of completion of each of the objectives of this interregional study.

It was noted by the RRC during the November, 1959, meeting that the objectives were too broad and that consideration be given to concentration on areas considered by the Committee to be most important. There are five major objectives in the revised project outline. It is the consensus of the RRC that objective five might be deleted without detracting from other objectives.

(Huffman reported on IRM-1 as representative of the Western Directors. The Interregional Technical Committee for IRM-1 has prepared a revision which supersedes the one reviewed by the RRC. The committee has already deleted objective five and contributing projects have been revised or terminated so that completed work is no longer included in the project outlines. The IRM-1 Committee has contributed the material published as House Document 77.

Rosenberg moved, Sharp seconded, that the RRC review the revised version of the regional project outline for IRM-1. Passed.

Copy of the revision was received from Director Dow during the meeting and reviewed by the RRC. The RRC made the following recommendation:

"The RRC recommends acceptance of the revised project outline for IRM-1 that was submitted to the Committee on March 3, 1960. The major objection pertaining to accomplishments has been met in the revised outline. An acceptable comprehensive review of accomplishments to date, by objectives, has been prepared, providing a succinct picture of work completed and work remaining to be done. The fifth major objective dealing with an overall appraisal of postwar agricultural price and income policy has been deleted from the revised project outline. The outline now includes four major areas of investigation each of which is assigned by projects and stations."

Rosenberg moved, Black seconded, approval of the RRC recommendation with respect to IRM-1. Passed.)

#### B. TERMINATION REPORTS RECEIVED AND ACCEPTED

W-29, Soil-water-plant relationships under irrigation....The project was activated July 1, 1954, and completed June 30, 1959. The termination report is excellent. The RRC recommends that it be accepted.

WM-13, Wheat price policy in the Western Region....The final report for this project was reviewed by the RRC during the November, 1959, meeting. At that time it was recommended that the report be returned to the Technical Committee via the Administrative Advisor and also be referred to the WAERC for review. A revised final report has been received and in the opinion of the RRC the report is now acceptable. The Committee recommends acceptance of the final report.

WM-18, Short-time adjustment to changes in supply-demand relationships for eggs....This report was reviewed in the light of the recommendation of the RRC, submitted on November 8, 1959. (Page 13, Minutes of the Western Directors.)

All suggestions of the RRC were met by the Technical Committee. Under Summary of Accomplishments, the material in paragraph 1 was re-edited and paragraph 6 deleted. Paragraph 6 was supposed to be reworded, but dropping it improved rather than detracted from the report. The California report on the wholesale phase of the study was added and the reference to California not answering correspondence was deleted. The RRC recommends approval of the revised final report.

WM-19, Economic and engineering studies of fruit and vegetable handling, packing, and packaging....This project was activated July 1, 1954, and was completed effective June 30, 1959. A termination report for WM-19 was received too late to be reviewed by the RRC during the November, 1959, meeting. Having reviewed the report, the RRC recommends acceptance of the termination report.

WM-25, Case studies of the economic effects of new marketing technologies.... The RRC at its November, 1959, meeting recommended that the final report for WM-25 be returned to the Technical Committee for revision. The revised termination report has been received. It is recommended that this report be accepted.

(Rosenberg moved, Frevert seconded, that termination reports for W-29, WM-13, WM-18, WM-19 and WM-25 be accepted as recommended by the RRC. Passed.)

#### C. NEW PROJECT PROPOSALS

W-70, Economics of on-farm use of irrigation water....The RRC recommends approval of the regional project outline and the State Contributing Projects for W-70. The Technical Committee has prepared an adequate project proposal. Two qualifications are suggested:

1. That the project be initially approved through June 30, 1963, inasmuch as the Technical Committee has indicated a probable revision at the end of three years; and
2. That the contributing project outline for Nevada develop more adequately the previous work and present status section; and that the Nevada and Utah contributing projects be amended to include a list of literature citations appropriate to their respective objectives.

It is noted that the WAERC recommended funding at the no increase level, subject to the adjustments in the allocations assigned to the other W projects in the economic non-marketing group.

(Rosenberg moved, Thorne seconded, that the recommendation of the RRC for W-70 be approved. Passed.)

WM-43, Bulk handling of agricultural products....WM-43 has been approved for planning by the Western Directors and the WAERC has projected funds for possible activation July 1, 1960. A regional project outline and three contributing project outlines were reviewed by the RRC. The RRC is concerned that the project as developed embraces two distinct areas of investigation. The first objective is aimed at the development of improved bulk containers as well as methods and equipment for their use in marketing selected agricultural products. This implies an engineering study. Provision for its accomplishment is made by a proposed AMS

project to be done under contract. The other two objectives will endeavor to assess the effect of bulk containers and the impact of their use on the marketing functions of various firms and organizations. Whereas both areas are worthy of study, the RRC raises the question whether these two should be conducted in a single cooperative study.

As outlined in the proposed project, the cooperative work planned on efficiency and impact of bulk containers seems to be well coordinated. In view of the importance of this work, the RRC recommends approval of this area of the project and asks Directors' expression as to the propriety of including the engineering phase, as proposed, in the study.

(There was some discussion of whether to include the engineering phase as proposed. Alexander moved, Frevert seconded, that the project outline for WM-43 be approved as written. Passed.)

WM-44, Economics of expanded markets for agricultural products through promotion and new methods of utilization...On the basis of Director Huffman's memorandum of February 3, 1960, to the Western Directors, concerning the development of WM-44, the RRC recommends favorable endorsement of the WAERC recommendation that WM-44 be developed and presented to the Western Directors at the July, 1960, meeting. Funds in the amount of \$8,000 as recommended by the WAERC can be tentatively assigned to that project on the basis that the project is approved. If the project is not approved at the July meeting, the sum of \$8,000 can be allocated in support of other WM projects.

(Sharp moved, Rosenberg seconded, that the Directors give authority to the Technical Committee to proceed with the development of the regional project at State project outlines for WM-44, "Economics of expanded markets for agricultural products through promotion and new methods of utilization," and to present them by mail to all Directors by May 1, that they be reviewed by the RRC, that the RRC transmit its recommendation to all Western Directors and that each of them send his vote by mail to the Chairman, Western Directors. Passed.)

Forestry...The RRC acknowledges a report from Director Henry J. Vaux dated February 19, 1960, regarding certain proposals for research in forestry. He and his committee are to be commended for an outstanding contribution in proposing three areas from among the many which were submitted. For the record his committee recommended:

1. Improvement of tree seedling establishment
2. Genetic characteristics of Western forest trees
3. The identification and biologies of insects destructive to cones and seeds of forest trees

In his communication Director Vaux recommended that each of the projects be developed to a point where a Technical Committee would be appointed for each project to draft a regional project outline and State Contributing Project outlines. In view of the limited funds available for new research, the RRC recommends P & C funds be allocated to one of the projects.

Thorne moved, Ensign seconded, that the RRC review the budget and allocate not less than \$10,000 to the area of W- , Forestry. Motion lost 5 - 7.

Alexander moved, Rasmussen seconded, that \$17,500 of new RRC be allocated to forestry research (W- ) including \$2,000 already assigned.

Wheeler moved, Rasmussen seconded, that the motion be amended so as to change the amount to \$11,050 and allocate that amount to the first priority proposal "Improvement of tree seedling establishment" (later numbered W-71). Motion passed as amended.7

#### OTHER PROPOSALS

The RRC acknowledges receipt of three proposed areas for cooperative research. These are:

1. Identification and occurrence of clay and associated minerals in selected soils of the Western Region;
2. Pulmonary emphysema of cattle;
3. The Yellow Dwarf Virus disease of cereals and grasses.

For each proposed area of research a project outline has been presented, obviously resulting from many hours of intensive effort on the part of self appointed committees. The RRC is concerned that so much effort has been expended in the development of project outlines that were not requested by the Western Directors. Fifteen areas of research have already been selected in descending order of priority. Two of these proposals are on their list but are not included in the top five. It is the policy of the Western Directors to invite new research proposals after considering problems and then appointing an Administrative Advisor to initiate the development of the regional project.

We recommend that we continue to follow existing policies and procedures in developing regional projects.

#### D. TERMINATION REPORTS DUE

W-33, Economics of alternative methods of water application....It is noted that W-33 is scheduled to terminate June 30, 1960.

WM-21, Livestock information....For the record, this is to note that WM-21 terminated June 30, 1959. No termination report has been received to date.

WM-24, Market development for selected horticultural specialty crops.... It is noted that this project is scheduled to terminate June 30, 1960.

#### E. OTHER RECOMMENDATIONS ON REGIONAL PROJECTS

W-42, Economic analysis of ground water laws in the western states....In November, 1959, the Western Directors accepted the recommendation of the RRC that the California Contributing Project not be funded with RRF because its duration will extend beyond the presently recommended

termination date for the regional project. On the basis of a communication from Director Sharp assuring that the work on the California Contributing Project will be completed by June 30, 1961, the planned termination date for the regional project, the RRC recommends that the California Contributing Project be funded for 1960-61 in the amount of \$5,500. The WAERC recommended this amount by assigning \$3,500 currently allocated to states that will complete their work on W-42 by June 30, 1960, and by transfer of \$2,000 presently allocated to California on W-16, Range Economics.

(Rosenberg moved, Price seconded, that the California Contributing Project for W-42 be funded at \$5,500 for 1960-61 as recommended. Passed.)

W-53, Insects and mites of grass seed....This project was approved in 1957 but never funded by the Western Directors. On the basis of information contained in communications from the Technical Committee the RRC recommends that the project be dropped. We should reconsider our needs for regional research in this particular area. If such research is desired a new project proposal should be solicited when it is anticipated it could be financed.

(Rosenberg moved, Ensign seconded, that W-53, "Insects and mites of grass seed" be dropped as a regional project. Passed.)

W-55, Fruit virus diseases....This project was approved March, 1957, but has not been funded to date. The RRC recommends that P & C funds in the amount of \$1,000 be assigned if it is the intention of the Directors to support this project as funds become available.

Either this project should be funded or dropped.

(Rosenberg moved, Vaughn seconded, that a Planning and Coordination fund of \$1,000 be assigned for 1960-61 provided it is the intention of the Western Directors to fund the project in future years. Passed.)

WM-26, Factors which affect consumer purchase and utilization of fruits and vegetables....The RRC recommended at the spring meeting of 1959, that the Technical Committee for WM-26 proceed in accordance with the original outline, which continues to June 30, 1961. The RRC did not consider the submission presented at that time to be a revised outline, but merely reorientation material. The WM-26 Technical Committee has presented additional material, including a proposed calendar of work through 1964. Neither a revised regional project outline nor a critical review of progress to date has been presented. It is therefore not possible to evaluate the status of this project for the purpose of extension beyond the present termination date. It is recommended that the Technical Committee proceed in accordance with the objectives contained in the present outline and that it be instructed to submit a request for extension in accordance with established procedures of the Western Directors.

(Rosenberg moved, Sharp seconded, that the recommendation of the RRC be approved. Passed.)



S U M M A R Y

A. REVIEW OF REVISED PROJECT OUTLINES

	<u>Recommendation</u>
W-25	Extend to June 30, 1965
W-31	Extend to June 30, 1965
W-32	Extend to June 30, 1961
W-34	Return for revision
W-37	Return for redrafting
W-46	Extend to June 30, 1963
W-50	Extend to June 30, 1965
IRM-1	Recommend acceptance revised project

B. TERMINATION REPORTS RECEIVED AND ACCEPTED

W-29  
WM-13  
WM-18  
WM-19  
WM-25

C. NEW PROJECT PROPOSALS

W-70	Approval to June 30, 1963
WM-43	Approval qualified
WM-44	Approval qualified
Forestry	Funds for one project
Other Proposals	Acknowledged - Continue Western Directors policy in developing regional projects

D. TERMINATION REPORTS DUE

W-33  
WM-21  
WM-24

E. OTHER RECOMMENDATIONS ON REGIONAL PROJECTS

W-42	Fund California Project
W-53	Terminate
W-55	Fund P & C
WM-26	Submit revision

GENERAL COMMENT

There appears to be a uniform comment among the final reports that the objectives of the projects were too broad to be accomplished in entirety within the time allotted to the studies.

It is the belief of the RRC that each Administrative Advisor should guide Technical Committees toward the selection of specific objectives that may be attainable in a reasonable period of time.

It is recommended that the report of the RRC be accepted and included in the Minutes of the Western Directors.

(Rosenberg moved, Sharp seconded, that the report of the RRC be included in the Minutes of the Western Directors. Passed.)

1960-61 Budgets

Rosenberg presented the recommendations of the RRC for budgets for Western Regional Projects for 1960-61 at the No Increase and 1 Million Increase levels.

Alexander moved, Rasmussen seconded, that at the 1 Million Increase level \$17,500 of new RRF funds be allocated to forestry research, including \$2,000 already assigned.

Wheeler moved, Rasmussen seconded, that the above motion be amended so as to change the amount from \$17,500 to \$11,050. Motion as amended passed.

Alexander moved, Rosenberg seconded, that these funds be derived by deleting the increase recommended by the RRC for W-6 and W-70. Passed.

Rosenberg moved, Sharp seconded, that the budget recommendations of the RRC, as amended, be approved. Passed.

Joint Meeting of  
Livestock Breeding  
Committees

Wheeler moved, Rosenberg seconded, that the Western Directors approve the proposed joint meeting of W-1, The Improvement of Beef Cattle Through the Application of Breeding Methods, with NC-1 and S-10 at Stillwater, Oklahoma. Passed.

W-71, Tree Seedling  
Establishment

Black moved, Frevert seconded, that Improvement of Tree Establishment, as recommended by the foresters, be designated as W-71 and that Director Vaux be assigned as Administrative Advisor. Passed.

The Regional and State contributing project outlines for W-71 are to be developed and presented by mail to all Directors by May 1, and then reviewed by the RRC. The RRC will transmit its recommendation to all Western Directors and each of them will send his vote by mail to the Chairman, Western Directors.

Wheeler moved, Adams seconded, that the third priority, The Identification and Biologies of Insects Destructive to Cones and Seeds of Forest Trees, recommended by the foresters be given second priority rather than the proposal on Genetic Characteristics of Western Forest Trees. Passed.

Ensign moved, Black seconded, that the project area, The Identification and Biologies of Insects Destructive to Cones and Seeds of Forest Trees, be designated as W-72 and that Dean Vaux be appointed Administrative Advisor. Passed.

Interdisciplinary  
Work in Soil,  
Water, Forestry  
and Range

Thorne moved, Ensign seconded, that an administrative advisor be appointed for the interdisciplinary project in soil-water-forestry-range with authorization to set up a technical committee and prepare a project proposal. Passed.

Ensign moved, Price seconded, that Director Frevert be appointed Administrative Advisor for the group planning work in the area of The Hydrologic Characteristics of the Ponderosa Pine and Associated Forest types. Passed.

#### Ruminant Physiology

Hilston moved, Wheeler seconded, that the Directors authorize planning of the project proposal in the area of ruminant physiology and that Director Black be appointed Administrative Advisor. Passed (7 to 4).

#### Regional Soil Map

Thorne discussed plans for preparation of the regional soil map for the 11 western states to be ready by 1961. The group would like to have a regional publication showing soil associations of the western states. Thorne asked for suggestions for such a publication and reaction concerning the possibility of regional support by the western experiment stations. Several Directors commented, suggesting that advance orders could be taken from the interested States to pay for this publication, the procedure which has been used for other publications.

Thorne also discussed plans for western representation at the National Soil Survey Conference in St. Louis, indicating the possibility of Dr. Carradine of California and/or Dr. Starr attending.

#### Dr. Kraus

Ensign reported on the status of Dr. Kraus' health since his illness. He is recovering well and was, at the time of the meeting, at work 5 or 6 hours a day and is planning a stepped up schedule.

Ensign conveyed Dr. Kraus' appreciation of the communications received from the Western Directors during his illness.

#### ESMRAC

ESMRAC meets April 21-22, 1960. Huffman referred to copies of a memorandum from Bennett S. White to the Directors urging that some time each year meetings be held to coordinate the work of marketing personnel in research, extension and State Departments of Agriculture.

#### Committee of Nine

The Committee of Nine meets in Washington, D. C., April 4-5, and at Sturgeon Bay, Wisconsin, June 15-17, 1960. Material going to the Committee of Nine should be in Washington by June 1. The deadline for project revisions requiring the signature and so forth of the Chairman of the Western Directors is May 1 for circulation to Dr. Myers.

#### Comments of Dr. Beacher

Dr. Beacher reported that Federal Division heads are now notified as well as agency heads when a project is approved. Dr. Beacher expressed his thanks to the Western Directors for their note sent to him at the time when there was illness in his family.

Policies on Out-of-State Travel

Each of the station Directors presented a short summary on out-of-State travel policies of his station.

1960 Summer Meeting

The next meeting of the Western Directors is scheduled for Moscow-Pullman, July 12-13-14, 1960. Rasmussen discussed the possibilities for short or long tours, in connection with the Directors' meeting. Consensus of opinion favored a short tour.

Recognition of Charles E. Fleming

Wheeler moved, Curry seconded, that:

In recognition of Charles E. Fleming's long and faithful service to the University of Nevada, extending over a period of 44 years, for his loyal and efficient service as a member of the Association of Western Agricultural Experiment Station Directors - particularly as immediate past chairman - and for his true and loyal friendship, BE IT RESOLVED that the Western Directors express to him their sincere thanks and appreciation, and wish for him and his gracious wife many happy years of association with their friends and professional colleagues.

Passed.

Appreciation to New Mexico

Wheeler moved, Rasmussen seconded, that:

The Association of Western Agricultural Experiment Station Directors wishes to express its sincere thanks for the hospitality and courtesies extended to us by New Mexico State University and particularly for the dinner provided by President Corbett, the social hour provided by Dean Black and Director Curry, and the transportation furnished by the staff.

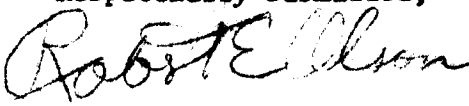
Passed.

W-6, New Plants

Consensus was that the project W-6, New Plants, be placed on the agenda of a future meeting as an item for discussion.

Adjournment

Meeting adjourned.

Respectfully submitted,  
  
Robert E. Olson  
Recording Secretary

1960-61 ALLOCATIONS TO WESTERN REGIONAL PROJECTS RECOMMENDED BY THE WESTERN DIRECTORS

March 2 - 4, 1960

STATE	W-1 #:	W-5 #:	W-6 #:	W-7 #:	W-12 #:	W-16 #:	W-24 #:	W-25 #:	W-27 #:	W-31 #:	W-32 #:	W-34 #:
	Beef	Poultry	New	Turkey	Bean	Range	Cotton	Range	Sheep	Soil	Water	Range
	Cattle	Disease	Plants	Breeding	Breeding	Eco-	Mechani-	land	Vibri-	Soil	Conser-	Live-
	Breeding					nomics	zation	Improve-	osis	Nitrogen	vation	stock
						ment						Nutri-
												tion
Ariz.	4,000		4,000			1,000	6,900	5,600		4,500	1,250	4,400
Calif.	5,300	8,000		2,650		2,500	3,550	5,500		4,500	6,125	5,100
Colo.	8,300			2,650	2,800			4,800	7,300	4,000	3,875	3,900
Haw.	4,100		250			2,000		2,400		3,500	1,750	3,900
Idaho	5,300				7,400			6,900	4,800			3,900
Mont.	6,600		1,000			2,000		3,700	10,100		1,125	4,400
Nev.	5,400					2,000		3,500				5,100
N.Mex.	8,300					2,000	6,250	3,200				4,400
Ore.	8,300	1,000	1,000	2,650	2,800	1,000		8,700		4,500	3,250	5,100
Utah	6,600	3,500		2,650		1,500		5,500	6,170	5,000	3,875	5,100
Wash.	5,600	6,500	27,050	2,650				3,700		5,500		3,900
Wyo.	7,100		1,000	2,650	5,900	3,000		4,500	5,500		1,250	4,400
P & C	2,300	1,300*	1,700	1,100	1,600*	2,000	300	2,000	1,000	1,500	1,800*	2,400
Other												
TOTAL	77,200	20,300	36,000	17,000	20,500	19,000	17,000	60,000	34,870	33,000	24,300	56,000

# Same, No Increase over 1959-60 and One Million Increase  
 \* Includes \$300 for expenses of recording secretary

(Continued)

STATE	W-35 # :Ruminant: : Para- : sites	W-37 # : Range- : land : Grass- : hoppers:	W-38 # : Fungus : Root : Diseases:	W-39 # : Breeding: : Forage : Plants	W-40 # : Urinary: : Calculi:	W-41 # : Ground : Water : Laws	W-42 # : Legumi- : nous : Forage : Insects:	W-43 # : Choles- : terol : Metab- : olism	W-44 # : Pesti- : cide : Residues	W-45 # : Stresses: : Cattle : and : Sheep	W-46 # : Root : Re- : sponses:	W-47 # : Weather : and : Crops	W-48 #
Ariz.	3,500						2,500	5,000	3,630	2,400	3,500		
Calif.	7,300	2,800	5,200	7,000	3,500	5,500	3,500	5,000	4,720b	2,200			
Colo.	4,500	2,800	4,400		6,200	4,500		3,000	3,340	2,000	3,800		
Haw.	4,300										700		
Idaho	3,200	2,800	3,000	2,000	4,100		2,150	5,000		1,900			
Mont.	5,800	2,800	3,500		7,200	2,000		5,000		1,900			4,000
Nev.	4,500									2,400			
N.Mex.			2,000				1,500			2,100			
Ore.			5,000					5,500a	4,290	2,200	3,000		
Utah	5,800			9,000			3,750	2,000		2,100			
Wash.	5,200		2,600	6,000			1,000	1,000	3,720				
WYO.	4,400	2,800	2,500	3,000	4,300		3,000			1,800			
P & C	2,400	1,000	1,800	1,000	1,000*	1,000	1,600	1,800*	1,915	2,300*	800	1,000	
Other													
TOTAL	50,900	15,000	30,000	25,000	26,300	13,000	19,000	33,300	21,615	23,300	11,800		5,000

a - \$500 for referee investigations

b - Increased to cover cost of producing final report in a form and quantity sufficient for interregional distribution.

(Continued)

STATE	W-49 #: Cattle Breeding: Failure:	W-50 Stresses and Performance-- Hens	W-51 Drainage Design	W-52 Biochemistry Herbicides Action	W-54 #: Adjusting Farming:	W-55 Fruit Virus Disease	W-56 Nematodes and Root Diseases	W-57 #: Amino Acid Utiliza- tion	W-58 #: Forage Crop Produc- tion
	: No Inc.:	: No Inc.:	: No Inc.:	: No Inc.:	: No Inc.:	: No Inc.:	: No Inc.:	: No Inc.:	: No Inc.:
Ariz.	2,800	1,360			2,500			3,250	4,000
Calif.	6,300	2,300	2,000	4,000	2,700			3,250	4,500
Colo.	6,400	2,300	2,600	2,500	3,800			6,000c	
Haw.					3,000		2,000	5,500	3,500
Idaho	4,500				1,900				
Mont.	4,400	1,850			1,000				3,600
Nev.	2,700				2,000				3,500
N.Mex.		1,360			1,000				
Ore.	4,100	1,360	1,800	4,400	2,900		2,000	2,000	
Utah		1,850			1,500			5,000	
Wash.	7,500	1,360			2,900			6,000	3,000
Wyo.		1,360			1,500			5,000	4,000
P & C	1,300	1,450	600	600	2,215	1,000	2,000	2,000	1,200
Other									
TOTAL	40,000	9,750	2,000	5,000	28,915	1,000	2,000	43,000	27,300

c - Includes \$1,000 for publication cost

(Continued)

STATE	W-59 #:	W-60 #:	W-61 #:	W-62 #:	W-63 #:	W-64 #:	W-65 #:	W-66 #:	W-67 #:	W-68 #:	W-69 #:
Price and Income: Policy:	Textiles: Breeding:	Sheep: No Inc.: M Inc.:	Farm: Power & Machinery: Costs:	Weed: Control:	Viruses: Hydraulics:	Fruit: Irrigation:	Hydraulics: No Inc.: M Inc.:	Soil: Structure:	Plant: Water: Relation: ships:	Soil: Moisture: Movement:	Housing: No Inc.: M Inc.:
Ariz.		685	1,220	2,500	2,900			3,500	2,000	500	4,500
Calif.	1,125	685	1,220		3,300	4,300	3,500	2,500	5,000	500	4,000
Colo.	875	685	1,220		3,900		4,000	3,000	5,500	500	5,000
Haw.				1,000			1,000	2,400		500	
Idaho	2,000	685	1,220	1,100	4,700	2,300	1,000				
Mont.	1,000	685	1,220		3,100	2,300	1,000	2,600	2,000	500	
Nev.		875	1,220		3,500			2,600			
N.Mex.	1,000	685	1,220	1,000	2,800			3,600			
Ore.	2,500	685	1,220	1,900	3,600	5,800	2,000		5,000	500	
Utah		925	1,220	1,500	2,800	5,500	3,000	3,000	5,500	500	6,500
Wash.	4,200		2,000e	2,550	3,800	4,700	4,000		5,000	500	6,500
Wyo.			685	1,500	3,900		2,000	2,600	3,000		
P & C	1,000	1,300	2,000	1,800	1,700	1,100	1,500	1,300	1,500	1,000	1,000
Other		2,500d									
TOTAL	11,700	10,000	10,300	14,850	40,000	26,000	23,000	24,500	34,500	5,000	16,000
			16,200					27,100			21,000

d - Cloth  
e - Includes \$765 for processing data. (Continued)



STATE	W-70 #: : On-Farm	W-71 : Use of Tree Seedling : Establishment	W-72 #: : Forest : Insects	TOTAL OTHER RESEARCH	MM-16 #: : Grain : Insect Control	MM-17 #: : Frozen : Fruits & Vege-	MM-20 #: : Hay : and Feed	MM-23 #: : Consumer : Purchases : Fruits & Vege-	MM-26 #: : Consumer : Purchases : Fruits & Vege-	MM-33
	No Inc.:	l M Inc.:	No Inc.:	l M Inc.:	No Inc.:	l M Inc.:	No Inc.:	l M Inc.:	No Inc.:	l M Inc.:
Ariz.				81,315	83,210	2,200	3,500			3,300
Calif.				135,905	138,440	3,300		10,900	4,100	5,000
Colo.				113,725	124,360			3,450	2,100	
Haw.				39,800	41,800					
Idaho	1,000			71,635	72,170	3,500				
Mont.				85,160	85,695		5,000	4,350		
Nev.	2,000			43,160	46,295		2,700		1,400	
N. Mex.	1,000			44,160	48,055		3,400	4,875		
Ore.				103,250	109,445	2,500	7,700	3,450	2,900	5,000
Utah	1,500			101,805	102,340		3,000	3,100		
Wash.	1,000			127,520	129,430	3,500	5,000			
Wyo.				81,285	83,180			4,275		
P & C	800			64,580	66,180	1,500	1,500*	1,500	1,900*	500
Other				2,500	2,500					
TOTAL	7,300	11,050		1,095,800	1,144,150	16,500	24,100	25,000	16,300	7,000
										13,800

(Continued)

f - Total "l M Inc." includes \$11,050 assigned to W-71 not allocated to States.

STATE	WM-35 #: Seed	WM-36 #: Dairy	WM-37 #: Livestock	WM-38 #: Mgt and Org	WM-39 #: Direct Buying	WM-40 #: Retail	WM-41 #: Cotton	WM-42 #: Initial Processors	WM-43 #: Bulk Handling	WM-44 #: Promotion	WM-45 #: Utilization
	Consumption	Transportation	Cooperatives	Cooperatives	Livestock	Procurement	Marketing	Timber	Utilization	Utilization	Utilization
	No Inc.	No Inc.	No Inc.	No Inc.	No Inc.	No Inc.	No Inc.	No Inc.	No Inc.	No Inc.	No Inc.
Ariz.	2,200	2,800	2,800		3,800	3,800	2,500				
Calif.	3,200	2,900	2,900	3,000		6,400		4,000	4,600	6,500	
Colo.	2,700	5,100		4,000	5,100	5,200		5,500	6,000		
Haw.		2,000		2,500		3,500				2,000	
Idaho	3,000	3,500	3,500		3,600	4,000		4,000	4,000		
Mont.	2,600	2,350	2,350	4,000	2,000					1,500	
Nev.	1,500	1,700	1,700	1,500	2,200						
N.Mex.		4,000	4,000	3,100			2,500	1,000	1,000		
Ore.	3,200			3,800		3,200		3,800	5,000	6,000	1,000
Utah		2,500	2,700	1,700							2,400
Wash.	5,100	3,400	3,400	5,400	3,700	4,900		1,000	4,300		
Wyo.	1,800	3,500	3,500		1,500	1,400					
P & C	900	1,400	1,600	1,600	1,200	1,500	200	1,200*	1,300*	400	1,100
Other		3,000	3,000		3,000						
Alas.	5,000										
TOTAL	10,000	32,600	31,250	30,600	26,100	30,100	5,200	20,500	26,200	12,900	8,000

(Continued)

STATE	TOTAL MARKETING		GRAND TOTAL
	No Inc. : I M Inc.	No Inc. : I M Inc.	
Ariz.	17,000	20,300	98,315
Calif.	55,400	56,900	191,305
Colo.	33,150	33,650	146,875
Haw.	10,000	10,000	49,800
Idaho	21,600	21,600	93,235
Mont.	21,800	21,800	106,960
Nev.	11,000	11,000	54,160
N.Mex.	18,875	18,875	63,035
Ore.	37,550	40,850	140,800
Utah	15,400	15,400	117,205
Wash.	34,500	37,800	162,020
Wyo.	12,475	12,475	93,760
P & C	18,100	19,100	82,680
Other	6,000	6,000	8,500
Alas.	5,000	5,000	5,000
TOTAL	317,850	330,750	1,413,650
			1,474,900f

f - Total "I M Inc." includes \$11,050 assigned to W-71 not allocated to States.

Revisions in the  
Budget Recommended  
After the March  
Meeting

	W-6 <u>1/</u>	W-32 <u>2/</u>	W-44 <u>3/</u>
	<u>New Plants</u>	<u>Water Conser- vation</u>	<u>Choles- terol Metab- olism</u>
Arizona	4,000	1,000	5,000
California		6,000	5,000
Colorado		6,000	4,000
Hawaii	750		
Idaho			4,000
Montana	1,000	1,500	5,000
Nevada			
New Mexico			
Oregon	1,500		5,000
Utah		4,000	1,500
Washington	27,050		2,500
Wyoming		4,000	
P & C	<u>1,700</u>	<u>1,800 *</u>	<u>1,000</u>
TOTAL	36,000	24,300	33,000

\* Includes \$300 for Recording Secretary

1/ Recommended by Director Sharp, Administrative Advisor, subject to approval of Directors.

2/ Recommended by Director Thorne, Administrative Advisor, subject to approval of Directors.

3/ Recommended by Director Myers, Administrative Advisor, subject to approval of Directors.

/Chairman Myers has requested Directors disapproving of any of the above recommendations to notify him by May 1, 1960./