

MINUTES OF THE MEETING
OF THE WESTERN ASSOCIATION
OF AGRICULTURAL EXPERIMENT STATION DIRECTORS

Salt Lake City, Utah

March 28, 1984

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SUMMARY OF ACTIONS

March 28, 1984

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1. Adopted agenda as distributed.	1
2. Approved McIntyre proposal for awarding the PL 89-106 funds for integrated pest management research in the West.	3
3. Approved recommendation that Administrative Advisers of W-84, W-147, and W-161 organize a mechanism for distribution of possible FY 1985 PL 89-106 funds for biocontrol.	4
4. Recommended off-the-top funding for the IR projects.	4
5. Recommended off-the-top funding for W-6, W-84, W-106 and W-161.	5
6. Elected four members to various committees.	5
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f. change sections of the <u>Supplementary Manual</u>	30
8. Requested Chairman write Western Extension Directors indicating WDA would not be participating in the Western Computer Consortium.	10

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9. Approved motion to hire a DAL, finalize a job description by mail, and review candidates at August meeting.	15
10. Approved motion to locate the WDAL in the Western Region.	15
11. Authorized Chairman to take steps to get additional assistance for the Administrative Analyst.	16
12. Approved one Resolution of appreciation.	16

WESTERN ASSOCIATION OF AGRICULTURAL EXPERIMENT STATION DIRECTORS

MINUTES

March 28, 1984
Marriott Hotel
Salt Lake City, Utah

ATTENDANCE:

Alaska	- J. V. Drew	New Mexico	- M. H. Niehaus
Arizona	- L. W. Dewhirst	Oregon	- J. R. Davis
California	- L. N. Lewis		- M. J. Woodburn
Colorado	- R. D. Heil	Utah	- C. E. Clark
	- F. Johnson		- D. J. Matthews
Idaho	- L. A. Bulla	Washington	- L. L. Boyd
	- R. J. Miller	Wyoming	- C. C. Kaltenbach
Micronesia	- I. Lebehn	OWD	- J. E. Moak
Montana	- J. R. Welsh	CSRS	- C. I. Harris
	- A. W. Hovin	FS	- R. R. Bay
Nevada	- L. Koong	ARS	- H C Cox

1.0 Call to Order

Chairman Dewhirst called the meeting to order at 8:10 a.m., Wednesday, March 28, 1984, in a meeting room of the Marriott Hotel, Salt Lake City, Utah.

2.0 Introductions and Announcements

Dewhirst introduced Dr. Merle H. Niehaus, Director of the New Mexico Experiment Station. Heil introduced Frank Johnson, Administrative Officer for the Colorado Experiment Station.

3.0 Adoption of Agenda

MOTION CARRIED to adopt the agenda dated March 19, 1984 and contained herein as Appendix A.

4.0 Report of Chairman -- L. W. Dewhirst

4.1 Interim Actions of the Chairman

4.1.1 Closing of DAL Office at NASULGC

We had intended to store the office furniture, files, and equipment from our DAL office until a successor to Dr. Buchanan was hired. However, we determined the cost of doing so would be greater than the value of the furniture. Consequently, in November Jill Moak sorted the files and shipped the permanent ones to

Berkeley, discarding the remainder. The furniture was sold to a used office furniture dealer. The telephone answering machine and dictation equipment were shipped to Berkeley. The computer was left in the NASULGC offices pending a decision on the DAL.

4.1.2 WDA Luncheon Account at NASULGC

The WDA Treasurer transferred \$1,500 to NASULGC to administer as a luncheon/ entertainment account for Buchanan. We have received a statement from NASULGC indicating that \$862.47 was disbursed and \$542.11 remains in the account. Directors agreed the remainder should be sent to the Treasurer in Montana to be placed in the DAL Account there.

4.1.3 Buchanan Recognition

Jill Moak solicited letters and monetary contributions in December and has had the letters bound in leather. About \$150 remains for the purchase of a gift and then the WDA plaque, the book, and the gift will be shipped to Dr. Buchanan in Tanzania.

4.1.4 Appointments

Dewhirst appointed Dr. V. Van Volk (OR) to replace Dr. J. P. Jordan through May 1984 as western representative to the ESCOP Communications Committee.

4.2 PL 89-106 Funds for National/Regional IPM Program

CSRS has \$1,244,756 available under PL 89-106 in FY 1984 for support of the National/Regional IPM Program. The amount available to the West is \$290,402. The funds can either be managed competitively by CSRS or by the regions on behalf of CSRS. Dr. Gary McIntyre, coordinator of the Western Regional IPM Program, was asked to prepare a proposal for use of the Western Funds. He recommends the commodity coordinating committees under regional project W-161 solicit proposals from SAES scientists in their commodity areas, subject the proposals to peer review, and award the funds as follows: tree fruits \$46,000, small grains \$60,000, alfalfa \$45,000, range-land and potatoes \$20,000, reserved \$119,402 (for later allocation to the highest priority research in any of the five commodity areas).

Miller reviewed the history of the Western Regional IPM program, beginning with the establishment of WRCC-34 in October 1978, and the approval of W-161 in October 1981. The original program adopted an agroecosystem approach focusing on semiarid dryland and irrigated land, and selecting the following commodities: cotton, sugarbeets, corn, potatoes, alfalfa, small grains, and range. From the beginning, the WDA, Extension

Directors, ARS and ERS contributed funds to support a part-time coordinator of the Western program. The program has concentrated on prioritizing the problems in the commodity areas and developing manuals dealing with the management of pest complexes based on existing information, in the process discovering where there are information gaps. W-161 is in the process of being revised and will shift focus slightly, dropping sugarbeets and corn and adding tree fruits.

About 10-12 years ago, a national entomology project (the Huffaker project) was initiated with federal funding separate from the Experiment Stations. This was followed by the Adkisson or Consortium for Integrated Pest Management (CIPM) project. Initial funding was from EPA and USDA. CIPM is receiving \$1.8 million (of a total of \$3.1) in FY 1984 PL 89-106 funds and is due to terminate in April 1985.

CSRS and the "COPs" appointed a National IPM Coordinating Committee to help bring a regional perspective into the IPM funding decisions. There are actually two subcommittees -- an administrative committee composed of representatives from the COPs and USDA agencies, and a technical committee composed of the chairmen of the four regional IPM projects with USDA technical representatives. The National IPM Coordinating Committee has been developing a national plan, which is in draft form and based upon the four regional projects. There are some commodity overlaps between the regions and these will have to be monitored by the national committee. In addition, the national committee will be working to encourage continuation of these federal funds.

Miller indicated he felt part of the success of the Western program was due to the willingness of the major components in the program to fund the coordinator's office and that this should continue alongside the \$290,000 in PL 89-106 funds.

During discussion Directors requested the guidelines for submitting proposals to be funded should specify a format (preferably limiting proposals to a few pages) and indicate a minimum award size.

MOTION CARRIED to approve the McIntyre proposal for a regional competitive program using the W-161 commodity coordinating committees to award the PL 89-106 funds for integrated pest management research. The Colorado Agricultural Experiment Station will serve as the pass-through agency managing the funds.

4.3 Biocontrol Special Grants

Welsh distributed a handout on the western biocontrol special grants for FY 1982 and 1983, contained herein as Appendix B. He indicated that Montana may at some future time request off-the-top funds to support the MSU biocontrol of weeds

facility.

Funds were appropriated under PL 89-106 in FY 1982 and 1983 to support the regional programs, but was not appropriated in FY 1984. Funding is requested in the Division's FY 1985 budget but is not included in the Executive Budget request. In the Western Region, representatives from three regional projects, W-84 "Establish, Improve, and Evaluate Biological Control in Pest Management Systems", W-147 "Use of Soil Factors and Soil-Crop Interactions to Suppress Diseases Caused by Soil-Borne Plant Pathogens", and W-161 "Integrated Pest Management for Semiarid Dryland and Irrigated Agroecosystems in the Western Region" identified project activities and recommended distribution of the funds to projects. If funding is approved for FY 1985, how does the WDA wish to proceed?

MOTION CARRIED to request the Administrative Advisers and technical committee chairmen of regional projects W-84, W-147, and W-161 to organize and establish a regional mechanism for distribution of possible FY 1985 PL 89-106 funds for biocontrol.

4.4 RRF Off-the-Top Funding Requests

Directors had a difficult time evaluating the IR off-the-top requests because detailed information was not received for IR-4, IR-6 or IR-7. Directors reviewed the following requests:

<u>Project</u>	<u>Authorized FY 1984</u>	<u>Requested FY 1985</u>	<u>Percentage Increase</u>
W-6 Plant Introduction (WA)	\$189,119	\$201,404	6.5
W-84 Biological control (CA)	24,571	30,000	22.1
W-106 Research coord. (CA)	43,780	43,780	0
W-161 Western IPM (CO)	50,000	50,000	0
IR-1 <u>Solanum</u> (WI)	124,024	137,400	10.8
IR-2 <u>Virus-free tree fruit</u> (WA)	198,468	211,925	6.8
IR-4 <u>Pesticide clearance</u> (NJ)	254,128	289,218	13.8
IR-5 CRIS (CSRS)	198,700	208,700	5.0
IR-6 Research evaluation (6 states)	217,570	240,000	10.3
IR-7 NADP (CO)	62,924	?	?

MOTION CARRIED that with respect to FY 1985 off-the-top funding of the IR projects, the WDA recommends funding increases be limited to the following: for existing project personnel,

the annual percentage increases in salaries and benefits at the host institutions be covered; all other increases (either in salaries or operating costs) be limited to the percentage increase in Hatch funds appropriated by the Congress.

MOTION CARRIED that the western regional projects be funded in the requested amounts with the following notes: the W-106 request for the office of the administrative analyst may be changed following the WDA summer meeting; the W-84 request includes \$5,000 for foreign exploration by Riverside scientists with the remaining \$25,000 to be divided equally between the Berkeley and Riverside campuses.

Dewhirst noted that Rolston had requested Kupelian, the IR-4 Project Director, be allowed to speak at the March WDA meeting. This was not possible but he has been invited to attend the summer WDA meeting in Hawaii.

Davis questioned supporting the CRIS system through the mechanism of off-the-top funding. Harris responded that CSRS would have to list CRIS as a line item in the budget to fund the SAES cost, and noted that the SAES now pay 23% of the total cost but are the biggest users of the system. It might be appropriate for the CRIS Policy Committee to look at different ways of funding CRIS.

4.5 Nominations

MOTION CARRIED to elect the following individuals to serve as WDA representatives through December 31 of the years indicated:

Co-chairman, CRIS Policy Comm.	D. M. Briggs (NM)
ESCOP Home Economics Research Subcomm. (1988)	R. R. Rice (AZ)
" Alternate (1988)	M. J. Woodburn (OR)
ESCOP Communications Subcomm. (1986)	R. E. Witters (OR)

5.0 RIC Report -- L. L. Boyd

The RIC Report is contained as Appendix C.

6.0 Progress Report on Plant-Water Stress Task Force -- R. R. Bay

Bay distributed the following written report, prepared by Drs. Van Volk and Bower.

The Plant-Water Stress Task Force evolved from an Interagency Planning Meeting on Water Research in the Southwest. The meeting, held in Phoenix, Arizona, on July 5, 1983, involved Agricultural Experiment Station Directors or their representatives and personnel from ERS, ARS, and FS. This ad hoc group unanimously agreed to request

that the Western Agricultural Research Committee (WARC) establish a task force, with RPG-1 providing the leadership, that would select an area of water-related research listed in the WARC report and (1) identify loci of strength by agency and individual, and (2) develop an implementation and coordination plan for the selected area. The task force should include membership from state and federal agencies. If authorized by WARC at its meeting on August 3, 1983, the planning group suggested that the task force be organized within one month and provide a final written report to WARC by February 1, 1984.

The WARC and WDA authorized the formation of the task force at the Corvallis, Oregon meeting (August 3-5, 1983) as requested by the ad hoc planning group. Subsequently, Dennis Oldenstadt and Roger Bay, Co-chairmen of WARC, called a meeting of WARC and co-chairmen of RPGs-1, 2, 3, 4, and 5 to help select members and identify the charge to the task force. After discussion of several water-related research topics, the plant-water stress area was selected for principal focus. The RPG-1 co-chairmen solicited, by mail, SAES Directors and state and federal agencies for the names of persons appropriate for the task force. Names of approximately 75 persons were suggested. The WARC and RPG-1 co-chairmen identified nine persons to serve on the task force, with Drs. R. J. Reginato (ARS, AZ) and W. R. Gardner (SAES, AZ) to serve as co-chairmen. Other members of the task force include: H. W. Ayer (ERS, AZ), G. S. Campbell (WA), R. J. Hanks (UT), B. A. Melton (NM), T. C. Hsiao (CA-D), E. V. Maas (ARS, CA), J. E. Quisenberry (ARS, TX).

The Task Force assembled in Phoenix, Arizona at the U.S. Water Conservation Laboratory on December 5, 1983 and were provided orientation and charge by L. W. Dewhirst (WDA Chairman) and H. E. Bower and V. V. Volk (RPG-1 Co-chairmen). The Task Force was charged: to identify areas of research strength, topic and location; to identify research needs and where/how it would best be accomplished; and to suggest implementation and coordination procedures. The Task Force subdivided the topic and individual responsibilities were identified: Instrumentation -- Campbell, Reginato; Modeling -- Hanks, Gardner; Genetics and breeding -- Melton, Quisenberry; Physiology -- Hsiao; Production functions -- Ayer, Gardner; Salinity -- Maas.

Rough drafts of five sections have been distributed to Task Force members. A second draft which incorporates the initial review comments is to be distributed to Task Force members by February 15, 1984. Final drafts are to be submitted to the Task Force co-chairmen by March 15, 1984. The final document will be compiled by the co-chairmen and is to be completed by March 31, 1984.

A final report will be written for research scientists, coordinators, and planners. It should serve as an excellent resource document when decisions are made for resource reallocation and for procurement of new resources.

7.0 SAES-ARS Coordination of Cotton Research -- L. W. Dewhirst

Dewhirst, as WDA Chairman, and two other Western Directors, L. N. Lewis (CA) and J. R. Welsh (MT) (representing the other two ARS areas) attended the February 15, 1984 meeting of the western ARS administrators. Discussion concentrated on how to do a better job of communicating intentions and plans in order to avoid surprising each other with program shifts and personnel moves. ARS has made a number of redirections in the past two years and anticipates others as proposed in the six-year plan. Plowman shared data he had compiled several years ago on wheat research in the Northwest, including production figures by type of wheat and growing region, and research effort by scientific discipline, performing agency, and location.

It was agreed to attempt a similar inventory and assessment of cotton research by California, Arizona, New Mexico, and ARS, and Lewis was assigned the task of compiling the information. Lewis distributed two handouts which showed the level of research by the four performers both by Research Problem Area (RPA) and by scientific discipline.

It was agreed that scientific discipline gave a better idea of the actual numbers of personnel involved in research on cotton. The value of the data lies in its use as a discussion aid when sharing information on proposed program changes. It was agreed that the cotton group should meet together and go through the data. With a little more information, the data could be broken down by type of cotton and growing areas. Kinney is supportive of this type of interaction and believes NPS should be involved as well. Are Western Directors interested in broadening this exercise to ten regionally-important commodities and use this as a mechanism for joint planning?

Directors agreed information of this type would be helpful. Perhaps information on the other commodities could be gathered before the summer meeting and time during the meeting could be devoted to small group discussions centered on the commodity data. The cotton group could meet for several hours. Other commodities to be included (in priority order) are: alfalfa, beef cattle, wheat, dairy, cotton, grapes, potatoes, barley, and deciduous fruits.

It was agreed to include this as an activity at the summer meeting. Jill Moak will get the CRIS data on the commodities by field of science, performing agency, and location. H C Cox's staff will put this together with production data and distribute it prior to the meeting.

8.0 ESCOP Report -- L. L. Boyd

Most of ESCOP's activities have been reported in the Minutes. The Research 1984 pamphlet (aka the "red, white, and blue report") was printed and distributed by ESCOP Chairman Neville Clarke's office.

ESCOP would like feedback from Directors about the report. Huston feels ESCOP should take a more active voice in Joint Council planning activities and reports. One of the activities this year of the ESCOP Special Initiatives Subcommittee will be reviewing the roles of the participants in the planning process.

Kaltenbach voiced concern that the Special Initiatives Subcommittee is undertaking a number of longterm policy activities that may detract from its major role of quickly responding to emerging needs and issues.

8.1 FY 1985 Budget

Dewhirst reported that Directors should have received a copy of the Division of Agriculture's budget request from NASULGC under date of February 15, 1984.

8.2 FY 1986 Budget

Donoho circulated a revised copy of the FY 1986 ESCOP Budget request March 5, 1984. It contains a couple of changes from the version distributed at Land Grant. ESCOP Interim Subcommittee requested additional changes, especially the removal of footnote 2 on page 3. If there are other suggested changes, please contact Kaltenbach. The FY 1986 budget will go "behind the curtain" the middle of June.

8.3 FY 1987 Budget

Dewhirst is chairman of the FY 1987 Budget Committee. He will probably meet with CSRS and some of the liaison representatives prior to his scheduled meeting with the committee in September. Send him your ideas on items to be included in the budget.

9.0 Reports from WDA Representatives to Regional and National Committees

9.1 Committee of Nine Report -- H. F. McHugh

The Committee of Nine met in St. Louis, Missouri, December 7, 1984. L. W. Dewhirst and H. F. McHugh attended.

The Committee reviewed an expanded draft of recommendations for the improvement of regional research. Following suggestions from that meeting, a revised draft was submitted to the members for review. The statement as it now stands has been submitted to the Regional Research Committees. This should be an agenda item for the March 27th meeting of RIC.

Copies of the statement have been submitted to the chairmen of the regional associations. The Committee of Nine would welcome comments prior to its meeting in May. Therefore, your suggestions should be sent to Ted Hullar (Cornell), Chairman,

as soon as possible and by the end of April at the latest.

9.2 National Agricultural Research Committee -- H. F. McHugh

The NARC met February 28-29, 1984 in Washington, D.C. Helen McHugh and Jill Moak attended. The Committee received an overview of Joint Council activities as they pertain to the interests and responsibilities of the National Agricultural Research Committee. Of particular interest was the major conclusions of the needs assessment conducted on behalf of the Joint Council. It is our understanding that a slide/tape series will be available in a few weeks about the needs assessment process and conclusions. The co-chairmen of the Western Agricultural Research Committee are considering using the slide/tape presentation with the WARC at a meeting tentatively set for June 11 and 12 in the Bay Area. Both a comprehensive reference document on needs assessment and a summary statement have been prepared.

The Committee undertook an exercise to rank research priorities and the results were as follows:

<u>FY86 Rank</u>	<u>Topic</u>	<u>Average Score</u>	<u>FY85 NARC Rank</u>
1	Basic research	1.7	1
2	Water management	6.4	2
3	Sustaining soil productivity	7.2	3
4	Cropping and pest management systems	7.6	4
5	Human nutrition	8.3	6
6	Integrated reproductive management	9.4	9
6	Forest and range productivity	9.4	7
8	Analyses of foreign demand and trade	9.6	5
9	Analyses of price and income policies	9.8	13
10	Processing and marketing efficiencies	10.3	11
11	Food safety and quality	10.5	10
12	Alternative production systems	12.4	14
13	Livestock and poultry diseases	12.7	8
14	Environmental stress on plants	13.3	12
15	Land use policy alternatives	14.5	17
16	Energy	14.9	18
17	Applied computer technology	15.0	19
18	Input/output efficiency	15.1	15
19	Germplasm resource enhancement	15.3	--
20	Family resource management	16.2	6
20	Aquaculture	16.2	--
22	Rural community issues	17.2	16

The Committee developed plans for the next cycle of projections. Jill Moak served on an ad hoc subcommittee to refine the procedures and time schedule. This information will be utilized by the Western Agricultural Research Committee in its work with the Directors and RPGs of the region.

9.3 Western Regional Council -- H. F. McHugh

The Committee met March 6-7, 1984 in Reno. H. F. McHugh, J. Moak and D. J. Matthews attended.

An extensive report on rangeland resources was presented by Bill Krueger of Oregon State University. This was built on the work of WRCC-40 and the WUREC. A summary statement will be prepared on behalf of WRC and submitted to the Joint Council.

An informational item that may be of interest to some of the directors is that the guidelines for the graduate fellowships (FY 1984) should appear in the Federal Register sometime in mid April. These fellowships are intended NOT to build a graduate program so much as to train people in specific areas of need where programs are in place. A fellowship will be for \$15,000. Fellowships will be institutional; that is, the institution will be granted x-number and the institution will select the recipients. The turn around time for applications will be relatively short. Areas for funding are highly targeted.

After considerable discussion and some minor editing, the Western Regional Council voted to support the same priorities list that the Council submitted to the Joint Council for the previous year.

9.4 Proposed Western Computer Consortium -- L. Koong

Koong distributed, on behalf of Jones, a copy of the proposed Western Computer Consortium budget approved by Western Extension Directors. The WED would like Western Experiment Station Directors to become financially involved in the activity but will proceed alone if necessary. Discussion indicated Directors feel the activity has little application to research at this time.

MOTION CARRIED that Chairman Dewhirst write Western Extension Directors expressing WDA endorsement of the Western Computer Consortium but indicating the WDA would not become financially involved in the Consortium at this time.

9.5 Division of Agriculture Biotechnology Committee -- L. A. Bulla

Bulla distributed prior to the meeting the section of a proposed manual being prepared by the Committee dealing with patents. He requested Directors send him their comments on the manual.

9.6 National Atmospheric Deposition Program -- L. A. Bulla

Bulla circulated a letter prior to the meeting requesting the names of scientists who would like to participate in a western advisory committee to IR-7. Directors should send names of their interested scientists to Bulla as soon as possible.

Bulla reported there is an interagency intergovernmental task force to coordinate the NADP and Bentley is a member. The initial thrust of the project was monitoring and measuring, with Illinois doing all the analytical work. However, research now is needed on effects and states are encouraged to participate. In 1984 \$28 million was available for the program (mostly through USGS), and \$55 million is proposed for 1985. CSRS is in the second year of a \$695 thousand program under competitive grants for effects research.

10.0 Reports from Federal Liaison Representatives

10.1 CSRS Report -- C. I. Harris

Harris distributed the following written report.

1. FY 1985 Executive Budget: Hearings for this budget have taken place before the House Committee on Appropriations, Agriculture Subcommittee (Mr. Whitten's Committee) on March 1 and before the Senate Appropriations Committee, Agriculture and Related Agencies Subcommittee (Mr. Cochran's Subcommittee) on March 7, 1984. The ESCOP/Citizen Response is scheduled for March 28, 1984. The principal items in the budget have been reported in Station Letter 2947, dated February 1, 1984. The key issue for the moment is that many parties are interested in moving funds from the 33 million dollar increase in competitive grants to meet other desired goals. It is important to encourage the Congress members and Senators to hold fast to the competitive grants increase, along with the modest percentage increase in base (formula) funds.

2. FY 1986 Budget Request: The May-June timeframe will be busy so far as preparing this budget request is concerned. Items under discussion include an increase in funds for biotechnology up to 75 million dollars and an overall increase in competitive grants of approximately 50 million dollars above the FY 1985 budget request. This is the ESCOP recommendation for the FY 1986 budget request. Additionally, the ESCOP budget recommendation contains some equipment monies. The Department and ESCOP will work out a strategy in the May-June timeframe.

3. CSRS and the Atmosphere at the Department of Agriculture: There is a new atmosphere in the Department of Agriculture ... a sense of urgency about the role of research in meeting the needs of America and contributing to the maintenance of world peace. In prior reports, comments were made about the key role carried out by Assistant Secretary Bentley, Secretary Block, Deputy Secretary Lyng, and others within the Department and in addition to Dr. George Keyworth and Dr. Gordon Wallace, in the Office of Science and Technology Policy, plus a positive reception for recommendations to increase agricultural research funding in OMB, the National Academy of Sciences, and sister agencies such as NSF or NIH. In addition, there is a new Deputy Assistant Secretary for Science and Education, Dr. Bruce W. Cone, who will assist Dr. Bentley in his efforts to build science and education within the Department.

Further, the report of Dr. Jean Lipman-Blumen, entitled The Paradox of Success: The Impact on Priority Setting in Agricultural Research and Extension, is due off the press in the very near future and concludes that the system, although in need of tuning from time to time, is exceptionally effective. The same comments come from a project which focuses on technology transfer, carried out at Pennsylvania State University by Erwin Feller. The latter report is due in August 1984 and is especially positive in its evaluation of the agricultural research system in the State Agricultural Experiment Stations. Overall, the environment, including that at NASULGC, in the relationships of the DALs to the leadership of the Department of Agriculture, plus the interplay among the Department, ESCOP, and the Division of Agriculture, has never been better.

4. The Joint Council's Needs Assessment document brings the Department of Agriculture from a perceived position of being an organization without a clear picture of the future to perhaps the Federal cabinet-level Department with the best picture of the future so far as research and extension type activities are concerned. The five-year plan will be off the press shortly and is a list of prioritized goals, complete with specific objectives underneath those goals. The plan of action is actually contained in the Priorities Report for each fiscal year. The FY 1985 Priorities Report, for example, focuses on that fiscal year, but no one expects that those priorities will be completed during that fiscal year. So you will expect to see many of the same priorities in the FY 1986 booklet. Thus the Priorities Reports constitute the action plan so far as research, extension and teaching are concerned. Additionally, by FY 1984 the first fully synchronized relationship will be seen between the Priorities Report and the Annual Accomplishments Report. The latter is a measure of how close the system has come to accomplishing the priorities identified in the appropriate priorities report.

5. Who is Agriculture: A key factor in the Department so far as science and education is concerned involves addressing the question of who is agriculture and who are to be involved in agricultural research, extension and teaching considerations. Clearly, the role of veterinary medicine is the medical arm of agriculture, the role of forestry in the natural resources, the role of human nutrition and the role of home economics are unique in primary areas in which the Department hopes to make significant strides.

6. The "Red, White and Blue Report" which has been recently released cooperatively between ESCOP and CSRS entitled Research 1984 is an attempt to bring a strategic type document out as soon as possible. Final materials in a strategic plan should be developed as a follow-up to this effort. Your comments on it are solicited. The report was done in less than 90 days out of Texas A&M University.

7. Electronic Mail via Dialcom has proven to be an effective means of communicating with directors. I would like to encourage those not already on Dialcom to at least get an address assigned to them. Even if the director of the experiment station depends on the Extension Service for delivery of electronic mail, it is better to have your own address. It is relatively inexpensive to get your own terminal. With the upcoming revision of the Farm Bill and other very important and time-dependent matters, the closer the SAES system can come to having a complete electronic mail system, the better we will be able to communicate.

8. Miscellaneous Matters:

- a. The Cooperative Management Staff has been challenged to discover some new approaches that will encourage and make easy the movement of SAES leadership into the USDA for periods as short as three months to as long as five years, as well as those coming in on a more permanent basis. The ~~review~~ is also important, namely, to make it easy for CSRS permanent staff to go to the SAES system for periods of time. We hope that the current system can be improved. reverse
- b. The issue of quality of science and quality of scientists is being addressed for the current fiscal year. More than fifty members of the National Academy of Science are on the staffs of the State Agricultural Experiment Stations this year. Several hundred function as members of review panels at the NSF and study sections at the NIH.
- c. The first supergrade has been appointed in CSRS ... Dr. John Fulkerson. This opens up the opportunity for superior performance in CSRS to be recognized in a way similar to other major agencies in Federal government. Dr. Mary Heltsley joined the CSRS staff in the fall from an

assistant deanship at Iowa State University. Dr. Don Wood is on a ten-month IPA from Colorado State University. Dr. William Carlson, former President of the University of Wyoming, is on a contract arrangement between Colorado State University and CSRS; hopefully, a longer term relationship will be worked out.

- d. The position of Deputy Administrator for Plant and Animal Sciences will be publicly announced as of Monday, March 26. Invitation to submit applications will be open for six weeks, and then will be closed. ESCOP will be asked to participate in the selection process.
- e. The position of Deputy Administrator for Program Planning, Budgeting and Public Communications is in the final stages of approval and, hopefully, will be announced fairly soon.
- f. The bottom line for CSRS faculty is to focus on performance with satisfaction and high-level productivity. I'm very pleased to receive the large number of letters from directors, specifically about the quality of reviews currently going on this spring. It indicates the development of an esprit de corps within CSRS and within the SAES system.
- g. The plan for IPM (February 27, 1984) prepared by the National Coordinating Committee is well done. Letters have gone to Regional Administrative Advisors for IPM Committees and the Chairmen of the Regional Associations requesting a plan for implementation that will involve competitive funding of projects.
- h. The Integrated Reproductive Management idea continues to receive attention. A firm plan, something analogous to the IPM one, is very desirable and useful at this stage. Hopefully, regional associations will cooperate in the development of such a document.
- i. The IR-6 revised proposal is under consideration. CSRS is interested in receiving the views of all associations with regard to this proposal. It is well prepared and includes some new dimensions for the project in the future.
- j. Animal and Plant Health Inspection Service (APHIS) is very interested in effective communication with the SAES directors. CSRS has agreed to bring issues to the directors' meetings as they arise.

10.2 Forest Service Report -- R. R. Bay

Bay reported a 5% decrease is proposed for the FS research budget in FY 1985. No location closures are contemplated, but some work units will be eliminated. This reflects a continuing erosion of FS research support over the past few years.

11.0 Future WDA Staffing Needs -- C. E. Clark, L. W. Dewhirst

Clark distributed a handout entitled "A Perspective of the WDAL Position -- Past-Present-Future" contained herein as Appendix D, which was discussed by Directors.

Dewhirst described his activities as acting DAL for the past five months, indicating the responsibilities had not been very time-consuming to date. He also recommended Directors not try to set budgets for the DAL and Administrative Analyst's offices until decisions are made on whether to hire a DAL.

Kaltenbach noted that the only information we now have that we didn't have in September is that the other three regions definitely wish to retain their current configuration of staffing and do not wish for us to continue to rely on their staffs.

Davis recommended that the WDA decide to hire a DAL and have the Executive Committee prepare a job description for review at the August WDA meeting. This recommendation was discussed.

MOTION CARRIED (one opposed) that the WDA hire a DAL, that a ~~job~~ position description be finalized by mail and a search initiated so that there are candidates who can be considered at the August meeting.

Koong questioned whether a DAL was needed, noting that Jordan indicated in November CSRS could carry out most DAL duties except lobbying. Further discussion centered on the public relations and proactive roles of a DAL, and the need for a western perspective to be injected at the national level.

Just as the DAL roles changed over time to handle some things that had formerly been the responsibility of CSRS, so it is important that the western DAL position should be allowed flexibility to evolve with changing needs.

Johnson pointed out that future increases in federal funds will mostly likely come from sources other than Hatch and even from outside the Department, and the DAL must give greater attention to those sources of funding.

MOTION CARRIED that the Western DAL be located somewhere in the Western Region.

It was agreed that the DAL job description should include a look at the entire WDA staffing needs. The Executive Committee should get the job descriptions of the other three DALs to review when preparing the new western job description.

MOTION CARRIED to empower Chairman Dewhirst to take whatever steps are necessary to get additional clerical assistance for the Administrative Analyst at University of California-Berkeley.

12.0 Future WDA Meetings

Directors agreed on the following schedule of future meetings:

Summer	August 1-4, 1984	Hilo, HI
Fall	November, 1984	Denver, CO
Spring	March-April 1985	Unknown
Summer	August 5-9, 1985	Logan, UT

Boyd invited Directors to hold the spring 1985 meeting in Washington, but no action was taken.

13.0 Resolutions

MOTION CARRIED to approve unanimously the following resolution:

WHEREAS, the Western Association of Agricultural Experiment Station Directors has had a productive and enjoyable meeting in Salt Lake City on March 28, 1984, and

WHEREAS, the accommodations, meeting arrangements and other items were handled in a highly efficient and satisfactory manner,

NOW THEREFORE BE IT RESOLVED that the Western Association of Agricultural Experiment Station Directors does express appreciation to Dean Doyle Matthews and Associate Director Elmer Clark, Utah State University, and their staffs for their fine efforts on our behalf.

14.0 Other Business

14.1 Treasurer's Report -- A. W. Hovin

Hovin distributed financial statements for the DAL Account and the WDA Special Fund for the fiscal year to date. The reports are contained as Appendix E.

15.0 Adjournment

The meeting was adjourned by Chairman Dewhirst at 4:30 p.m.

APPENDIX A

WESTERN ASSOCIATION OF AGRICULTURAL EXPERIMENT STATION DIRECTORS

Wednesday, March 28, 1984
8:00 am - 5:00 pm
Marriott Hotel
Salt Lake City, Utah

AGENDA

- 1.0 Call to Order
- 2.0 Introductions and Announcements
- 3.0 Adoption of Agenda
- 4.0 Report of Chairman -- L. W. Dewhirst
 - 4.1 Interim Actions of the Chairman
 - 4.1.1 Closing of DAL Office at NASULGC
 - 4.1.2 WDA Luncheon account at NASULGC
 - 4.1.3 Buchanan recognition
 - 4.1.4 Appointments
ESCOP Communications Subcommittee
 - 4.2 PL 89-106 Funds for National/Regional IPM Program
 - 4.3 RRF Off-the-Top Funding Requests
 - 4.4 Nominations
 - 4.4.1 Co-chairman of CRIS Policy Committee
 - 4.4.2 ESCOP Communications Subcommittee
 - 4.4.3 ESCOP Home Economics Research Subcommittee
- 5.0 RIC Report -- L. L. Boyd
- 6.0 Progress Report on Plant-Water Stress Task Force -- R. R. Bay
- 7.0 SAES-ARS Coordination of Cotton Research -- L. W. Dewhirst, H C Cox
- 8.0 ESCOP Report -- L. L. Boyd
 - 8.1 FY 1984 Budget -- L. W. Dewhirst
 - 8.2 FY 1985 Budget -- L. W. Dewhirst
 - 8.3 FY 1986 Budget -- C. C. Kaltenbach
 - 8.4 FY 1987 Budget -- L. W. Dewhirst
- 9.0 Action Items from Representatives to Other Western and NASULGC Committees (e.g., ESCOP Subcommittees, National Agricultural Research Committee, Joint Council, Users Advisory Board, Western Regional Council, Western Agricultural Research Committee, Committee of Nine, Division Biotechnology Committee)
- 10.0 Action Items from Federal Liaison Representatives
 - 10.1 CSRS -- C. I. Harris
 - 10.2 ARS -- H C Cox
 - 10.3 FS -- R. R. Bay
 - 10.4 ERS -- M. L. Cotner
- 11.0 Future WDA Staffing Needs -- C. E. Clark, L. W. Dewhirst
- 12.0 Future WDA Meetings
- 13.0 Resolutions
- 14.0 Other Business
- 15.0 Adjournment

APPENDIX B

BIOCONTROL SPECIAL GRANTS

Biocontrol of Selected Weed Pests in Western Rangelands

This is a brief update on the activities of the biocontrol special grants project in the Western Region for FY 1982 and FY 1983.

1. Project Direction

The project organized under the IPM umbrella was designed to address western rangeland weed pests.

2. Organization

A "regional committee" of scientists was organized to identify project activities, recommend fund distribution and insure appropriate reporting. J. R. Welsh, MT, has acted as Administrative Advisor. The committee has met three times.

3. Research Emphasis

University of Wyoming

Herbarium storage of spurge samples.

Montana State University

Enhancement of techniques to increase population levels and foster rapid establishment of biocontrol of weed agents.

University of California

Facilities improvements at the University of CA-Berkeley and Riverside insectaries.

University of Hawaii

Biological control of exotic Hawaii weeds with plant disease causing organisms.

Montana State University

Distribution, establishment and impact of Urophora affinis and U. quadrifasciata on spotted knapweed.

University of Wyoming

Enhancement of the role of two native insects for the control of canada thistle in Wyoming.

University of Idaho

Evaluation of the distribution and impact of Urophora spp. on diffuse and spotted knapweed in Idaho.

Utah State University

Comparative chemotaxonomy of North American and

May 1, 1984

European members of the Euphorbia esula complex in relation to biological control.

Montana State University

Cytotaxonomic analysis of the Euphorbia virgata complex of leafy spurge.

University of Wyoming

Upkeep and maintenance of insect collection deposited in Rocky Mountain Entomological Lab.

Oregon State University

Biological control of diffuse and spotted knapweed in Oregon.

Commonwealth Institute of Biological Control--
Zurich, Switzerland

Collection and evaluation of insects for spotted knapweed.

Montana State University

Plant pathogens as a control method for leafy spurge.

Washington State University

Distribution and impact evaluation of the knapweed gall flies in Washington.

4. Total Funds to be Expended -- \$232,567

5. Final Report

A final report of all activities will be compiled by the Regional Committee by September 30, 1985.

James R. Welsh
Administrative Advisor

JRW:sak
520/#63

APPENDIX C

RESEARCH IMPLEMENTATION COMMITTEE REPORT

RIC met Tuesday, March 27, 1984, in Salt Lake City, Utah. Members present were: L. L. Boyd, A. W. Hovin, M. J. Woodburn, L. A. Bulla, H C Cox, R. R. Bay, R. G. Garner, J. E. Moak. Members absent: M. L. Cotner

1.0 Regional Research Projects and Coordinating Committees Scheduled to Terminate September 30, 1984

- W-6 Introduction, Multiplication, Maintenance, Evaluation, and Cataloguing of Plant Germ Plasm
- W-82 Processes Affecting Pesticides and Other Organics in Soil and Water Systems
- W-84 Establish, Improve, and Evaluate Biological Control in Pest Management Systems
- W-124 Optimum Utilization of Sewage Sludge on Agricultural Land
- W-128 Trickle Irrigation to Improve Crop Production and Management
- W-131 Development of Integrated Strategies for Management of Mosquito Populations
- W-132 Genotype-Environment Interactions Related to End-Product Uses in Small Grains
- W-134 Development of the Basic Parameters for Nematode Pest Management Decisions
- W-135 Limiting Stress of Food Producing Animals to Increase Efficiency
- W-136 Improving Poultry House Environments
- W-150 Genetic Improvement of Beans (*Phaseolus vulgaris*, L.) for Yield, Pest Resistance, and Nutritional Value
- W-151 Optimization of the Use of Range and Complementary Forages for Red Meat Production
- W-153 Food Supplement Usage and Effects on Nutritional Status
- W-154 Crop Yield Potential as Affected by the Rhizosphere, Soil, and Other Environmental Factors
- W-155 Soil Water Properties, Spatial Variability, and Implications in Soil Management
- W-156 Timber and Forage Interrelationships in Western Montane Forests
- W-157 Development of New and Improved Crops for Water Conservation in Arid Lands
- W-158 Determination of the Causes of and Corrections for pH Imbalance in Grapes for Processing
- W-161 Integrated Pest Management for Semiarid Dryland and Irrigated Agroecosystems in the Western Region
- IR-1 Introduction, Preservation, Classification, Distribution, and Evaluation of *Solanum* Species
- IR-6 National and Regional Research Planning, Evaluation, Analysis, and Coordination
- WRCC-11 Turfgrass
- WRCC-17 Control of Fruiting
- WRCC-21 Reclamation of Land Displaced by Coal, Oil Shale,

and Other Mining Activities
WRCC-23 Clothing and Textiles
WRCC-27 Potato Variety Development
WRCC-28 Developing, Implementing, and Coordinating Research
on Crop Loss Appraisals
WRCC-46 Ram Epididymitis

2.0 Requests for Project Extensions

2.1 W-84 Establish, Improve, and Evaluate Biological Control in Pest Management Systems

A request for a one-year extension of W-84 was received from Administrative Adviser L. G. Weathers.

RIC recommends project W-84 be extended for one year, from October 1, 1984 to September 30, 1985, with Dr. L. G. Weathers (CA-R) to continue as Administrative Adviser. If the committee prepares a project revision, RIC recommends it be submitted by the February 1, 1985 deadline and that the objectives be clearly achievable in a five-year period.

(Action of WDA: APPROVED)

2.2 W-135 Limiting Stress of Food Producing Animals to Increase Efficiency

A request for a one-year extension of W-135 was received from Administrative Adviser R. D. Plowman.

RIC recommends project W-135 be extended for one year, from October 1, 1984 to September 30, 1985, with Dr. R. D. Plowman (ARS, CO) to continue as lead-Adviser and Dr. R. D. Heil (CO) to replace Dr. D. J. Matthews as co-Adviser.

(Action of WDA: APPROVED)

2.3 W-157 Development of New and Improved Crops for Water Conservation in Arid Lands

A request for a one-year extension of W-157 was received from Administrative Adviser M. H. Niehaus.

RIC recommends project W-157 be extended for one year, from October 1, 1984 to September 30, 1985, with Dr. M. H. Niehaus (NM) to continue as Administrative Adviser. RIC recommends the committee submit a revised project outline by the February 1, 1985 deadline.

(Action of WDA: APPROVED)

3.0 Requests for Project Revisions

3.1 W-82 Processes Affecting Pesticides and Other Organics in Soil and Water Systems

A revised project outline entitled "W-82 Pesticides and Other Organics in Soil and Their Potential for Groundwater Contamination" was received from Administrative Adviser N. P. Kefford.

RIC recommends the project revision entitled "W-82 Pesticides and Other Organics in Soil and Their Potential for Groundwater Contamination" be approved for five years, from October 1, 1984 to September 30, 1989, with Dr. N. P. Kefford (HI) to continue as Administrative Adviser. RIC requests ARS scientists W. Spencer (Riverside) and H. Bower (Phoenix) be added as latecomers to the project, and supports the RPG-1 review comments that the project should obtain independent data for the research and management models. The committee should maintain regular liaison with the proposed project entitled "W- Chemistry and Bioavailability of Waste Constituents in Soils" (see agenda item 4.1, below).

(Action of WDA: APPROVED)

3.2 W-128 Trickle Irrigation to Improve Crop Production and Management

A revised project outline entitled "W-128 Water and Nutrient Management of Crops Under Micro-Irrigation" was received from Administrative Adviser J. R. Davis.

RIC recommends the proposed revision of project W-128 be returned to the technical committee for rewriting. The revised outline should be responsive to the concerns of the RPG reviewers, have the excessive verbiage deleted, be more specific about "the model" (who will develop it and how will the data fit into it?), and list the resources by scientist rather than by state. RIC requests the revised outline be resubmitted by June 1, 1984.

(Action of WDA: APPROVED)

3.3 W-131 Development of Integrated Strategies for Management of Mosquito Populations

A revised project outline entitled "W-131 Development of Integrated Strategies and Tactics for Management of Mosquito Populations" was received from Administrative Adviser I. W. Sherman.

RIC recommends the proposed revision of project W-131 be rejected. With the limited involvement of all but two states, and the breadth and seeming lack of coordination of the

individual projects, RIC perceives the broad and longrange goals of the members could best be accomplished by a WRCC. RIC suggests the committee prepare a WRCC petition by the June 1, 1984 deadline.

(Action of WDA: APPROVED)

3.4 W-134 Development of the Basic Parameters for Nematode Pest Management Decisions

A revised project outline entitled "W-134 Quantifying the Parameters of the Nematode Pest Management Decision Process" was received from Administrative Adviser D. E. Schlegel.

RIC recommends the project revision entitled "W-134 Quantifying the Parameters of the Nematode Pest Management Decision Process" be approved for five years, from October 1, 1984 to September 30, 1989, with Dr. D. E. Schlegel (CA-B) to continue as Administrative Adviser. RIC requests resource commitments for ARS scientists Steele and Thyr be included before the project is forwarded to the Committee of Nine.

(Action of WDA: APPROVED)

3.5 W-150 Genetic Improvement of Beans (Phaseolus vulgaris, L.) for Yield, Pest Resistance, and Nutritional Value

A revised project outline entitled "W-150 Genetic Improvement of Beans (Phaseolus vulgaris L.) for Yield, Pest Resistance and Food Value" was received from Administrative Adviser J. R. Welsh.

RIC recommends the project revision entitled "W-150 Genetic Improvement of Beans (Phaseolus vulgaris L.) for Yield, Pest Resistance and Food Value" be approved for five years, from October 1, 1984 to September 30, 1989, with Dr. J. R. Welsh (MT) to continue as Administrative Adviser. RIC strongly recommends the coordination of each subobjective be assigned to separate coordinators, as suggested in the RPG review.

(Action of WDA: APPROVED)

3.6 W-151 Optimization of the Use of Range and Complementary Forages for Red Meat Production

A revised project outline entitled "W-151 Utilization of Range Forage for Rangeland and Domestic Ruminant Animal Production" was received from Administrative Adviser L. W. Dewhirst.

RIC recommends the project revision entitled "W-151 Utilization of Range Forage for Rangeland and Domestic Ruminant Animal Production" be approved for five years, from October 1, 1984 to September 30, 1989, with Drs. L. W. Dewhirst (AZ) and

R. D. Plowman (ARS, CO) to continue as lead- and co-Advisers, respectively. Before the outline is submitted to the Committee of Nine, RIC requests the proposal indicate how the coordination with the SPUR model will be accomplished, preferably by identifying an individual to serve as the coordinator. Other, minor, changes in the outline also are needed.

(Action of WDA: APPROVED)

3.7 W-153 Food Supplement Usage and Effects on Nutritional Status

A revised project outline entitled "W-153 Rationale for and Consequence of Vitamin/Mineral Supplement Usage in the Western Region" was received from Administrative Adviser H. F. McHugh. The project was withdrawn by the Administrative Adviser from RIC consideration until the August WDA meeting.

3.8 W-154 Crop Yield Potential as Affected by the Rhizosphere, Soil, and Other Environmental Factors

A revised project outline entitled "W-154 Crop Productivity as Limited by the Rhizosphere and by Water and Nutrient Use Efficiencies" was received from Administrative Adviser L. N. Lewis.

RIC recommends the project proposal entitled "W-154 Crop Productivity as Limited by the Rhizosphere and by Water and Nutrient Use Efficiencies" be approved for five years, from October 1, 1984 to September 30, 1989, with Dr. L. N. Lewis (CA) to continue as Administrative Adviser. RIC would like to compliment the committee for including the section on regionality under each procedure.

(Action of WDA: APPROVED)

3.9 W-158 Determination of the Causes of and Corrections for pH Imbalance in Grapes for Processing

A revised project outline entitled "W-158 Determine Causes of and Corrections for pH Imbalance in Grapes for Processing" was received from Administrative Adviser D. E. Schlegel.

RIC recommends the project proposal entitled "W-158 Determine Causes of and Corrections for pH Imbalance in Grapes for Processing" be approved for five years, from October 1, 1984 to September 30, 1989, with Dr. D. E. Schlegel (CA-B) to continue as Administrative Adviser. RIC feels the objectives are well defined and the project is well written, but requests minor alterations in the organization section before it is submitted to the Committee of Nine.

(Action of WDA: APPROVED)

3.10 IR-6 National and Regional Research Planning, Evaluation, Analysis, and Coordination

A revised project outline entitled "IR-6 National and Regional Analysis, Evaluation and Financing of Agricultural Research" was received from western Administrative Adviser C. E. Clark.

RIC recommends the project revision entitled "IR-6 National and Regional Analysis, Evaluation and Financing of Agricultural Research" be approved for five years, from October 1, 1984 to September 30, 1989, with Dr. C. E. Clark (UT) to continue as western Administrative Adviser. RIC feels the work is important and should focus on socio-economic and environmental aspects, but has the following concerns about the proposal: several of the contributing projects appear to have a state rather than regional or national focus, and it is unclear whether the WDA needs to appoint a western representative to the technical committee as indicated in the section on "organization".

The following substitute motion was offered and accepted:

The WDA recommends that the proposed revision of project IR-6 not be accepted and that the existing IR-6 project be extended for one year, from October 1, 1984 to September 30, 1985, with Dr. C. E. Clark to continue as the western Administrative Adviser. During the period of extension, the WDA recommends no new projects be undertaken by IR-6 and the project be revised as follows: (1) The contributing projects should be national and regional rather than local in nature. (2) The project should have a socio-economic and environmental focus, emphasizing new technologies applied to agricultural systems. (3) The redefinition of the objectives and goals of the project might best be accomplished by having the administrative representatives and several of the technical committee representatives meet with the Division of Agriculture Committee on Biotechnology's Subcommittee on Social/Ethical Issues. (4) After the objectives and goals are defined, the administrative representatives should select the most appropriate personnel to conduct the identified studies. The WDA further recommends that these concerns be transmitted to the chairs of the other regional associations and the members of the Committee of Nine.

(Action of WDA: APPROVED)

4.0 Requests for Establishment of New Projects

4.1 W- Chemistry and Bioavailability of Waste Constituents in Soils

A project outline bearing the above title was received from Administrative Adviser R. J. Miller on behalf of "W-124 Optimum Utilization of Sewage Sludge on Agricultural Land".

RIC recommends the proposed project entitled "W- Chemistry and Bioavailability of Waste Constituents in Soils" be approved for five years, from October 1, 1984 to September 30, 1989, with Dr. R. J. Miller (ID) to serve as Administrative Adviser. RIC requests the Adviser heed the comments of the RPG reviewers during the conduct of the project. The committee should maintain regular liaison with revised project W-82 "Pesticides and Other Organics in Soil and Their Potential for Groundwater Contamination."

(Action of WDA: APPROVED)

4.2 W- Characterization and Management of Soil Water and Solutes in Field Soils

A project outline bearing the above title was received from Administrative Adviser J. R. Davis on behalf of "W-155 Soil Water Properties, Spatial Variability, and Implications in Soil Management".

RIC recommends the proposed project outline be returned to the Administrative Adviser. The work appears to be more of a coordinating mechanism than a regional project, and RIC suggests the committee consider WRCC status. If the committee rewrites the outline, RIC recommends the sections conform to the order specified by the format in the CSRS Manual, the objectives be narrowed, and the procedures indicate how the work will be coordinated among the participants.

(Action of WDA: APPROVED)

4.3 W- Germ Cell and Embryo Development and Manipulation for the Improvement of Livestock

A project outline bearing the above title was received from Administrative Adviser D. A. Price on behalf of ad hoc technical committee "W- Use of Germ Cell and Embryo Manipulation and Transfer in Livestock Improvement".

RIC recommends the proposed project entitled "W- Germ Cell and Embryo Development and Manipulation for the Improvement of Livestock" be approved for five years, from October 1, 1984 to September 30, 1989, with Dr. D. A. Price (ARS, OR) and Dr. R. E. Witters (OR) to serve as lead- and co-Advisers, respectively. RIC compliments the committee on the quality of the project outline and suggests it be used as an example of a well-written project.

(Action of WDA: APPROVED)

4.4 W- Poultry Environmental Quality and Production

A project outline bearing the above title was received from Administrative Adviser R. E. Moreng on behalf of "W-136 Improving Poultry House Environments".

RIC recommends the proposed project outline be rejected. RIC believes the outline shows no real joint effort or coordination of the work and suggests the committee prepare a WRCC petition by the June 1, 1984 deadline.

(Action of WDA: APPROVED)

5.0 Requests for Establishment of Ad Hoc Technical Committees

6.0 Requests for WRCC Extensions

6.1 WRCC-11 Turfgrass

A request for a three-year extension of WRCC-11 was received from Administrative Adviser J. D. Johnson.

RIC recommends the extension of "WRCC-11 Turfgrass" for three years, from October 1, 1984 to September 30, 1987, with Dr. J. D. Johnson (AZ) to continue as Administrative Adviser.

(Action of WDA: APPROVED)

6.2 WRCC-17 Control of Fruiting

A request for a three-year extension of WRCC-17 was received from Administrative Adviser C. J. Weiser.

RIC recommends the extension of "WRCC-17 Control of Fruiting" for three years, from October 1, 1984 to September 30, 1987, with Dr. C. J. Weiser (OR) to continue as Administrative Adviser.

(Action of WDA: APPROVED)

6.3 WRCC-21 Reclamation of Land Displaced by Coal, Oil Shale, and Other Mining Activities

A request for a three-year extension of WRCC-21 entitled "Reclamation of Lands Impacted by Mineral Development and Other Drastic Land Disturbances" was received from Administrative Adviser J. M. Vetterling.

RIC recommends the extension of "WRCC-21 Reclamation of Lands Impacted by Mineral Development and Other Drastic Land Disturbances" for three years, from October 1, 1984 to September 30, 1987, with Dr. F. E. Busby (WY) to replace Dr. J. M.

Vetterling (ARS, CO) as Administrative Adviser. RIC requests the new Adviser pay attention to the RPG review comments, in particular the suggested addition of other disciplines and the manner of conducting the annual meeting.

(Action of WDA: APPROVED)

6.4 WRCC-23 Clothing and Textiles

A request for a three-year extension of WRCC-23 entitled "Textile and Clothing Research Coordination" was received from Administrative Adviser L. L. Boyd.

RIC recommends the extension of "WRCC-23 Textile and Clothing Research Coordination" for three years, from October 1, 1984 to September 30, 1987, with Dr. D. J. Matthews (UT) to replace Dr. L. L. Boyd (WA) as Administrative Adviser.

(Action of WDA: APPROVED)

6.5 WRCC-46 Ram Epididymitis

A request for a three-year extension of WRCC-46 entitled "Ram Epididymitis (RE)" was received from Administrative Adviser L. D. Koller.

RIC recommends the extension of "WRCC-46 Ram Epididymitis (RE)" for three years, from October 1, 1984 to September 30, 1987, with Dr. L. D. Koller (ID) to continue as Administrative Adviser.

(Action of WDA: APPROVED)

7.0 Requests for Establishment of New WRCC's

8.0 Follow-up of Ad Hoc Technical and Coordinating Committees

8.1 W- Development of Marketing Strategies for Maximizing Returns to Alfalfa Producers in the Western United States

There has been no reported activity since the November WDA meeting.

8.2 W- Use of Germ Cell and Embryo Manipulation and Transfer in Livestock Improvement

See item 4.3 above.

8.3 WRCC- The Rural Elderly in the Western Region

A WRCC petition entitled "Community Participation, Work, and Retirement Among the Elderly" will be reviewed at the summer meeting.

8.4 WRCC- Wool Research and Marketing

The committee met January 4, 1984 in Reno and will be preparing a WRCC petition.

8.5 WRCC- Monitoring Condition and Trend on Diverse Rangelands

The committee met with "WRCC-40 Western Rangelands Research" on October 19, 1983. RIC accepts the committee's recommendation to continue as a subcommittee of WRCC-40.

8.6 WRCC- Production, Handling and Reestablishment of Woody Nursery Stock

A WRCC petition entitled "The Production, Transition Handling, and Reestablishment of Perennial Nursery Stock" will be reviewed at the summer meeting.

9.0 Administrative Adviser Reassignments

RIC recommends approval of the following Administrative Adviser and other reassignments:

IR-1 Introduction, Preservation, Classification, Distribution, and Evaluation of Solanum Species -- Dr. A. R. Mosley (OR) to replace Dr. W. C. Sparks (ID) as the western technical committee representative

W-147 Use of Soil Factors and Soil-Crop Interactions to Suppress Diseases Caused by Soil-Borne Plant Pathogens -- Dr. J. R. Davis (OR) to replace Dr. L. L. Boyd (WA) as the co-Adviser; Dr. N. I. James (ARS, OR) to continue as the lead-Adviser

(Action of WDA: APPROVED)

10.0 Other Business

10.1 WRCC Petitions Requested by RIC

10.1.1 WRCC-50 Soil Moisture and Temperature Regimes as Predictors of Western Range and Forest Land Potentials

A petition supporting the establishment of WRCC-50 was received from Administrative Adviser R. D. Heil.

RIC recommends the supporting petition for "WRCC-50 Soil Moisture and Temperature Regimes as Predictors of Western Range and Forest Land Potentials" be approved, with Dr. R. D. Heil (CO) to continue as Administrative

Adviser.

(Action of WDA: APPROVED)

10.2 Other Reports Requested by RIC

10.2.1 W-84 Report on Biological Control Quarantine Facilities

RIC thanks the W-84 committee for the report on the biological control quarantine facilities.

10.3 Revised Supplementary Manual of Procedures

RIC recommends the following policy changes be incorporated in the revised Supplementary Manual of Procedures:

(a) In view of the difficulties involved in verifying the resource commitments to new and revised regional research projects, RIC recommends current verification procedures be changed and a form be developed which must be completed by each principal investigator specifying the project objectives, the PI's procedures related to those objectives, and his resource commitments. The PI will be responsible for obtaining the signatures on the form of his department chairman (or research leader) and his SAES director (or equivalent USDA research administrator) and submitting the form to the Administrative Adviser and the project writing committee. The signed forms will be attached to the project outline when it is submitted to the OWD.

(b) RIC recommends the form used by the RPGs for recording their regional project review comments be modified. Dr. Bulla has agreed to draft a new form by May 1 which will be sent to the RPGs for their comments and suggestions. A new form will be finalized at the summer WDA meeting.

(c) RIC recommends the section on technical committee travel omit the suggestion concerning possible airfare savings by travelling on Saturdays.

(Action of WDA: APPROVED)

10.4 Committee of Nine draft recommendations for Improvement of Regional Research

RIC will forward a number of editorial comments to Dr. Hullar for consideration in revising the draft document. RIC assumes the document should be viewed as a guide rather than mandatory requirements.

One recommendation in the report is that projects be approved and go into effect at any time of the year. RIC sees no problem with projects starting at times other than the beginning

of the federal fiscal year (October 1) but will continue to adhere to a twice yearly schedule for western regional project review and approval.

Another recommendation in the draft concerns the inclusion in the project outline of a statement on the project's priority and how it is reflective of regional and/or national priorities. RIC believes the WDA should discuss whether there should be explicit linking of regional projects with regional and national priorities and that a consensus view on this topic be conveyed to Dr. Hullar.

Discussion indicated that the WDA sees no harm in including mention of a project's relationship to identified regional or national priorities provided there is no implication that there should only be projects in regional or national priority areas.

APPENDIX D

A PERSPECTIVE OF THE WDAL POSITION-- PAST-PRESENT-FUTURE

C.E. Clark -- March 1984

Past

Early in the 1960s the agricultural research community was under criticism for lack of a coordinated effort in addressing the needs of the agriculture in the United States. In attempting to meet this challenge a long range study was sponsored jointly by NASULGC and USDA. A report of this study was "A National Program of Research for Agriculture", October, 1966. This was followed by "An Inventory of Agricultural Research", and was coordinated and compiled by Research Program Development and Evaluation Staff, USDA, June 1967.

The activities of the Long Range Plan exposed the complex nature of the agriculture research system with its many interacting parts and players. It placed new demands on research administrators to improve research planning and coordination. The Western Experiment Station Directors took early action in the situation and recognized that additional staff assistance was needed to provide leadership in improving the system both regionally and nationally.

It was in this setting that the Western Director at Large (WDAL) was appointed, April 1, 1967. There was a general understanding of the WDAL job assignment and a cooperative agreement was established among the Western SAES to hire the WDAL. Considerable freedom was given to WDAL to use his professional judgement in developing the job assignment and in working regionally and nationally to improve the system in an effort to meet the demands being imposed.

The WDAL found talented people to assist in his office. He trained them well and delegated many day-to-day tasks -- first with Nancy Raphael (Dec. 13, 1967 to April 1974), followed by Carol Brown (April 1974 to Dec. 1974) and Jill Moak (December 16, 1974 to present).

As need to update the Long Range Plan approached there was considerable involvement of the WDAL in developing task force studies on various commodity topics such as the Whatley-Warwick proposal for Beef Cattle Research, Physical Facilities Needs, Soil and Water Research, etc. After much discussion both regionally and nationally it was determined that a continuous planning process be initiated which would encompass the updating of the Long Range Study, include the special commodity studies and all would become part of an overall, continuing planning process. The Current Research Information System (CRIS) and the Regional-National Planning and Implementation System evolved to help meet the concerns of critics and objectives of the Long Range Plan.

The WDAL played a major role in the design and implementation of these activities and worked both regionally and nationally in behalf of the SAES system to establish better coordination in agricultural research. The boundaries of activity of the WDAL became extended to encompass the total system and all of its interacting parts.

When it became obvious that research from private industry was a necessary link to be involved in the research coordination chain the WDAL played an important role in establishing NISARC.

Following "Hard Tomatoes, Hard Times" (1972) there was a 20 percent cut proposed in Hatch funds. The DALs were asked to pursue the issue of restoring the cut to the 1973 level. They organized a campaign and made

suggestions to SAES directors on whom to see, whom to assign to whom, etc. in order that an organized approach would be made in contacting key congressmen and commodity groups to sell the SAES concept. This network of activity organized by the quick and talented action of the DALs caused the cut to be restored by Congress. This start in the "lobbying" process evolved into employing Jaenke and Associates for a period of time and recently CARET was established.

Following the signing of the 1977 Farm Bill and the announcement of USDA reorganization of its science and education activities there was an immediate need for a staff person to provide a broadened and intensified interaction among the various state and federal interests. The WDAL was "loaned" to NASULGC from October 16, 1977 to October 1, 1978 to assume these responsibilities. The WDAL provided an interim liaison and focal point of interaction between USDA, the several research and education agencies, Universities, Division of Agriculture--NASULGC, in the implementation of Title XIV of the Farm Bill and in the USDA reorganization process.

This appointment required moving the WDAL office to Washington, D.C., assigning the day-to-day business of WDA to Jill Moak and assigning various WDA directors to represent WDA at regional and national meetings that WDAL would otherwise attend. It was agreed with NASULGC that WDA retain "reasonable use" of WDAL during his interim appointment as USDA Liaison Officer. He continued to attend WDA meetings and provide other interactions as was needed.

During this interim period advantages were perceived for continuing to locate the office of WDAL in Washington, D.C. and WDAL continued to function in a dynamic role of representing the interests of the Western

Experiment Stations and the SAES system from his Washington office.

Substantial progress was made nationally during the 1970s to improve communications within the USDA-SAES system and with other federal agencies on various procedural and policy issues. Many of the original ideas evolved in the Western Region under the leadership and promptings of the WDAL and were eventually implemented through CSRS, ESCOP, ARPAC, NARC and other groups. The DALs provided a focal point in these developments and helped CSRS to represent the interests of the States to the USDA and to Congress.

Present

Today, considerable credit must be given to the DALs, as staff officers of the SAES system, for their efforts in keeping that system visible in the national scene, for help with ESCOP business, for substantial involvement in the design of Title XIV of the Agricultural and Food Act of 1981, for input in the federal budget process by developing information, strategies and justifications in behalf of SAES, for improving communications between SAES-CSRS and USDA administrators, for interacting on a continuing basis with individuals and groups needing information to influence policies and actions at the federal level, for helping SAES directors to serve effectively on regional and national committees by providing staff assistance as needed, for keeping Regional Associations informed and involved in the national issues which affect them, and for a myriad of other important activities.

There is ample evidence that we have come a long ways during the past 15 years toward a more unified and visible agricultural research system. However, it must be quickly added: "But, baby, there is a long ways to go".

Future

Attention must be given now by WDA to identify future needs for staff assistance. The challenge is to maintain effective communications among ourselves, with our associates and cooperators, with the publics we serve, and with those who control the resources we hope to have come our way.

A general description of WDA staff needs was outlined in a cooperative agreement when the WDAL was appointed in 1967. Although the system has changed some, many of these tasks may still be needed. A copy of the cooperative agreement established at that time is attached.

In more specific terms some of the current and future responsibilities for WDA staff may include the following:

1. Keep WDA affairs (official business matters, regional projects, RIC, regional planning, research coordination, etc.) moving smoothly;
2. Maintain a familiarity with current research programs, facilities, objectives and needs of the individual Western States in order to provide meaningful assistance and to represent the collective interests and needs of WDA nationally;
3. Facilitate and strengthen cooperative relationships within the Western States on regional and subregional research programs.
4. Provide information which could be used by each Western AES director to evaluate State programs and priorities in terms of programs in adjacent states, the region and the nation;
5. Facilitate communications between the states and federal agencies;
6. In cooperation with other DALs, maintain contact with Washington-based congressional and governmental agencies and staffs (OTA, staffs of committees important to WDA and other regions, NSF, NIH, OSTP, OICD, AID, et al.);
7. Keep abreast of national issues which impinge upon agricultural research and report these regularly to WDA members;
8. Represent WDA in matters relating to national plans and goals and interregional matters;

9. Be of service to ESCOP by preparing supporting statements for congressional hearings developing position papers and documents for legislation, strengthening and encouraging the leadership talents of ESCOP members, and providing relevant information for policy considerations;
10. Assist WDA representatives on ESCOP in legislative and other matters as they relate to the Western Region such as budget proposals and projections;
11. Serve in turn with other DALs as Executive Vice Chairman of ESCOP;
12. Maintain a continuous liaison with national farm organizations, commodity groups, federal agencies and congressional staff;
13. Represent interests of WDA in preparation of program projections and associated national budget activities -- coordinate as needed with other DALs, USDA, JC, UAB, NASULGC, etc.;
14. Collaborate with other DALs in advancing and publicizing the purposes and programs of the SAES system and in compiling and furnishing information and data for special uses, as for legislative bodies, committees, etc.;
15. Maintain influential relationships with USDA personnel in Washington, D.C., including the Assistant Secretary, Science and Education;
16. Conduct other activities as assigned by WDA chairman and Executive Committee.

COOPERATIVE AGREEMENT
Among the
Western Agricultural Experiment Stations
Relative to the
Position of Director-at-Large for the Region

The Western Association of Agricultural Experiment Station Directors (hereinafter referred to as "Association") consists of those agricultural experiment stations affiliated with the American Association of State Universities and Land Grant Colleges located in Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming, pursuant to the Manual of Procedures for Cooperative Regional Research, CSRS-OD-1082, United States Department of Agriculture, November, 1963, as authorized by Section 3(c)3 of the Hatch Act.

In order to provide a more effective, regionally and nationally coordinated research program, and without infringing in any way upon the recognized autonomy and rights of the directors of said experiment stations;

IT IS HEREBY MUTUALLY AGREED by the parties hereto to establish and maintain an office and position of Director-at-Large for the Association in the following manner:

1. Selection. The Director-at-Large shall be selected by the Association upon recommendation of its Executive Committee. Such Executive Committee shall be composed of the elected Chairman, immediate Past Chairman, and Secretary of the Association, and the Chairman of the Regional Research Committee.
2. Responsibilities. The Director-at-Large shall be an ex officio member of the Association and shall be primarily responsible to its Chairman. The functions of the Director-at-Large shall include:
 - (a) Gathering, analyzing, interpreting and utilizing on behalf of the Association information on research allocations, programs, and facilities within and between regions, and develop alternative proposals and recommendations for consolidation, improvement, opportunities, future direction, and cooperation.
 - (b) Compiling, recasting, supplying, evaluating and utilizing on behalf of the Association data and other pertinent information for special uses such as for legislative and executive committees and bodies of government, farm organizations and commodity groups, trade organizations, and review panels.
 - (c) Encouraging the development of criteria, measurements, and uniform methods for accumulation, retrieval, summarization, and dissemination of research information.

- (d) Maintaining such liaison with directors of other regional associations and external bodies as may be required to facilitate the execution of his responsibilities.
- (e) Carrying out all other assignments made by the Association, or its representatives.

3. Operations.

- (a) The Director-at-Large shall have an office on the campus of one of the experiment stations in the Association.
- (b) A director of one of the experiment stations in the Association shall serve as Fiscal Clearing Agent for all other experiment stations in the Association with respect to receiving funds from each station for the purpose of paying the salary and other operating expenses of the Director-at-Large. This director need not be the director of the experiment station at which the Director-at-Large is located. The Fiscal Clearing Agent shall be responsible for the establishment of a separate account for these funds so that all financial transactions can be identified and examined by any cooperating institution.
- (c) The annual budget for the Director-at-Large position shall not exceed \$60,000 without specific review and vote by all institutions. In the event a budget in excess of \$60,000 is desired, prior to March 20 preceding the fiscal year concerned, each institution shall be advised of the amount desired and given the opportunity of approval or disapproval as an amendment to the Agreement.

Any unobligated fund balance at the end of the fiscal year shall be applied as part of the total annual budget of the following year and institution shall be given pro rata credit. This annual budget, together with a financial report for the previous year, shall be submitted to each station at the time of submitting the claim for the following year's contribution.

- (d) The pro rata distribution of costs under the annual budget for this position shall be on the same basis as the percentage distribution of the regional research funds is to each experiment station which is a party to this agreement. The Fiscal Clearing Agent, as hereinabove defined, shall charge each such experiment station for its respective share of the cost.
- (e) Subject to the approval of the Fiscal Clearing Agent, as hereinabove defined, the experiment station where the Director-at-Large is located may credit against its pro rata share of the budget, as provided in paragraphs (c) and (d) above, any prepayments it makes in the form of salary, secretarial assistance, supplies and materials, vehicles for travel, or other direct costs for the benefit of the Director-at-Large and which are consistent with the budget.

4. Duration and Amendments. This agreement shall become effective as of the last date of approval by the participating stations. The agreement may be amended or terminated by a vote of a two-thirds majority of the Association present in official session at any time. Any institution may withdraw from this agreement on formal, written notice; provided however, such notice must be given prior to April 1, preceding the beginning of the year for which such withdrawal is effected. If no notice is given by April 1, each institution shall be considered obligated for its pro rata assessment for the following fiscal year.

If and when this agreement is terminated, any funds remaining shall be returned to the participating stations in proportion to the contribution of each.

ACCEPTED AND APPROVED:

Date <u>9-24-67</u> Ariz.	<u>[Signature]</u> Director	<u>[Signature]</u> Comptroller
Date <u>4/19/67</u> Calif.	<u>[Signature]</u> The Regents of the Univ. of Calif.	<u>[Signature]</u> by
Date <u>2/22/67</u> Colo.	<u>[Signature]</u> Director	
Date <u>3/6/67</u> Ill.	<u>[Signature]</u> Director	<u>[Signature]</u> V.P. for Business Affairs Kenneth A. Dick Financial Vice President
Date <u>3/26/67</u> Ida.	<u>[Signature]</u> Director	<u>[Signature]</u> V.P. of Financial Affairs
Date <u>11-10-67</u> Mont.	<u>[Signature]</u> Director	<u>[Signature]</u> President
Date <u>4/12/67</u> Nev.	<u>[Signature]</u> Director	<u>[Signature]</u> President
Date <u>5/1/67</u> N. Mex.	<u>[Signature]</u> Director	<u>[Signature]</u> K. R. Hafen Vice Pres. - Finance <u>[Signature]</u> R. L. Collins, Secretary
Date <u>7/5/67</u> Ore.	<u>[Signature]</u> Director, Agricultural Experiment Sta.	<u>[Signature]</u> Vice Chancellor for Business Affairs Ore. State Board of Higher Education
Date <u>5/18/67</u> Utah	<u>[Signature]</u> Director	<u>[Signature]</u> V.P. for Business Affairs S.W.S.
Date <u>7/9/67</u> Wash.	<u>[Signature]</u> Dean, College of Agriculture	<u>[Signature]</u> Vice President - finance
Date <u>6-5-67</u> Wyo.	<u>[Signature]</u>	

APPENDIX A

Job Description for Director-at-Large
Western Region Association of Experiment Station Directors

It is probable that most of the duties envisioned by the Western Directors for the Director-at-Large can be classified under six headings. These are listed below. Under each heading is provided a brief description.

With experience, it is anticipated that the concept of the position will evolve such that some of the current facets may be further elucidated, some changed, and some placed in lower priority. This document is intended to reflect understandings as of the time of appointment of the Director-at-Large, April 1, 1967. Subsequent documents may be necessary to reflect modified and refined understandings as these evolve.

I. Planning-Programming-Budgeting System, and related or successor approaches to budget proposals.

This will involve participation in the preparation, in cooperation with and on behalf of the Western Directors, of both short and long-range program projections and associated budget materials. Such studies will be made in association with other regional directors and where appropriate, with the United States Department of Agriculture. The Director-at-Large will represent the Western Directors in these activities.

II. Support of Budget

The Western Director-at-Large and the other regional directors will actively assist in supporting legislative programs developed within and approved by the National Association of State Universities and Land-Grant Colleges. They will assist the Legislative Committee of the Experiment Stations Committee on Organization and Policy via the preparation of materials and, on request, by participating in hearings before appropriate officials of the United States Department of Agriculture, the Bureau of the Budget, and committees of Congress.

The function described under I above would involve the development of information that might influence program plans and budgets within the United States Department of Agriculture; the function under II, however, is to support the program agreed upon within the NASULGC. In the long run the goals should be the same. Within individual years, however, the NASULGC approved budget may well differ from the approved by the Bureau of the Budget. In such cases the USDA support would be limited to the budget as approved within the executive branch. The Legislative Committee would not be so limited; it would support the full program approved by NASULGC.

III. Liaison with important regional and national groups

The Director-at-Large and his counterparts from the other regions will assist in establishing a process to identify those significant organizations that may have an influence on legislative programs and budget support, regionally and nationally. Information then will be assembled concerning the methods by which these organizations conduct their business, including dates and places of annual or special meetings, the process by which resolutions are developed and adopted, and the like. A roster of those Directors or members of faculties of Land-Grant Colleges best qualified to participate in educational programs with these groups will be established and provisions made to encourage these people to attend appropriate meetings. Via this means, and otherwise, up-to-date information and alternatives with respect to matters that impinge upon agricultural research would be brought before such groups. Provision also would be made for exchange of information, follow-up and evaluation.

IV. Intra-regional activities

The Director-at-Large will become acquainted with the agricultural research activities undertaken within each of the Western States; he will serve as a catalyst to communication and cooperation among the States. Such improved communication and cooperation, in turn, might well result in improved coordination of state efforts and in improved effectiveness in the use of available resources.

V. Consulting

It is probable that there will be opportunity from time to time for the Director-at-Large to serve in a consulting role within or among the universities cooperative to this agreement.

VI. Other duties

The above duties may be modified and others added at the request of the Western Directors.

APPENDIX E
WESTERN DIRECTOR AT LARGE ACCOUNT
FINANCIAL STATEMENT FY1984

ITEM	ALLOCATION	INCOME	EXPENSE	BALANCE
JULY 1 BALANCE				2934.76
ALASKA	1716.18	1716.18		4650.94
ARIZONA	9102.69	9102.69		13753.63
CALIFORNIA	19260.59	19260.59		33014.22
COLORADO	12616.21	12616.21		45630.43
GUAM	1472.66	1472.66		47103.09
HAWAII	4615.12	4615.12		51718.21
IDAHO	7166.19	7166.19		58884.40
MONTANA	8024.28	8024.28		66908.68
NEVADA	4394.80	4394.80		71303.48
NEW MEXICO	4835.44	4835.44		76138.92
OREGON	11375.46	11375.46		87514.38
UTAH	8290.98	8290.98		95805.36
WASHINGTON	16002.18	16002.18		111807.54
WYOMING	7085.02	7085.02		118892.56
TOTAL	115957.80			118892.56
101183	REGENTS OF CALIFORNIA		20000.00	98892.56
101783	NASULGC-RENT		9000.00	89892.56
113083	REGENTS OF CALIFORNIA		20000.00	69892.56
10984	SEMI-ANNUAL INTEREST	788.83		70681.39
22884	TRAVEL-DEWHIRST-D.C.		779.15	69902.24
31684	DAL DINNERS		139.10	69763.14
BALANCE 3/26/84				69763.14

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WESTERN DIRECTORS SPECIAL ACCOUNT
FINANCIAL STATEMENT FY1984

ITEM	ALLOCATION	INCOME	EXPENSE	BALANCE
JULY 1 BALANCE				6455.77
ALASKA	52.45	52.45		6508.22
ARIZONA	278.22	278.22		6786.44
CALIFORNIA	588.70	588.70		7375.14
COLORADO	385.61	385.61		7760.75
GUAM	45.01	45.01		7805.76
HAWAII	141.06	141.06		7946.82
IDAHO	219.03	219.03		8165.85
MONTANA	245.28	245.28		8411.13
NEVADA	134.33	134.33		8545.46
NEW MEXICO	147.79	147.79		8693.25
OREGON	347.69	347.69		9040.94
UTAH	253.41	253.41		9294.35
WASHINGTON	489.10	489.10		9783.45
WYOMING	216.55	216.55		10000.00
TOTAL	3544.23			
101983	CENTURY LAMINATING		125.04	9874.96
103183	ESCOPE-L. BOYD		999.35	8875.61
11283	ESCOPE-KALTENBACH		531.55	8344.06
11283	ESCOPE-MC HUGH		706.84	7637.22
11283	ESCOPE-KALTENBACH		496.75	7140.47
11283	ESCOPE-DEWHIRST		748.53	6391.94
10984	SEMI-ANNUAL INTEREST	441.81		6833.75
11584	INTEREST PURCHASED		38.10	6795.65
31684	ESCOPE-DEWHIRST		730.79	6064.86
BALANCE 3/26/84				6064.86

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