

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

**ALASKA  
AMERICAN SAMOA  
ARIZONA  
CALIFORNIA  
COLORADO  
GUAM  
HAWAII  
IDAHO  
MICRONESIA  
MONTANA  
NEVADA  
NEW MEXICO  
NORTHERN MARIANA ISLANDS  
OREGON  
UTAH  
WASHINGTON  
WYOMING**



**Image Not  
Available**

**UNIVERSITY OF ALASKA  
FAIRBANKS, ALASKA  
JULY 18-20, 1994**

# SUMMARY OF ACTIONS

1.0	Approved the agenda as amended .....	1
2.0	Approved the minutes of March 8-9, 1994 Western Directors Association meeting .....	2
3.0	Approved the Treasurer’s Report .....	2
4.0	Approved the revisions to the <i>Supplementary Manual for Western Regional Research</i> ...	6
5.0	Approved inclusion on information for Administrative Advisor Orientation and a CSRS Check List for Administrative Advisors for Regional Research Technical Committees in the <i>Supplementary Manual of Procedures for Western Regional Research</i> .....	6
6.0	Heard the RIC Report and approved recommendations for:	
	a. revised projects	
	W-171 “Germ Cell and Embryo Development and Manipulation for the Improvement of Livestock” .....	59
	W-180 “Identification, Behavioral Ecology, Genetics, and Management of African Honey Bees” .....	59
	W-181 “Modifying Milk Fat Composition for Improved Manufacturing Qualities and Consumer Acceptability” .....	59
	b. rejected new projects	
	NRSP- “National Weather and Climate Information System for Agriculture and Natural Resources Research.” .....	60
	c. established new projects	
	W- “Water Conservation, Competition and Quality in Western Irrigated Agriculture”	60
	W- “Natural Products Chemistry as a Resource for Biorational Methods of Insect Control” .....	60
	d. extended or renewed WRCC/s	
	WRCC-27 “Potato Variety Development” .....	61
	WRCC-37 “Maximizing the Effectiveness of Bees as Pollinators of Agricultural Crops”	61
	WRCC-51 “Application Technology Related to Plant Protection and Pest Management” .....	62
	WRCC-60 “Science and Management of Pesticide Resistance” contingent on receipt of a revised objectives section .....	62
	WRCC-66 “Biology and Control of the Russian Wheat Aphid (RWA)” .....	63
	WRCC-69 “Coordination of Integrated Pest Management Research & Extension Programs for the Semiarid Regions of the Western US” .....	63
	WRCC-81 “Systems to Improve End-Use Quality of Wheat” .....	64
	e. rejected or deferred renewal/extension of WRCC’s	
	WRCC-40 “Western Rangeland Research.” .....	61
	WRCC-47 “Climatic Data and Analyses for Applications in Agriculture and Natural Resources.” .....	62

	WRCC-62 “Decision Support Systems for Agriculture and Natural Resource Management.”	62
	WRCC-65 “Adaptive Control of Surface Irrigation Systems.”	63
	WRCC-67 “Coordination and Support for Sustainable Agriculture Research and Education in the Western Region.”	63
	WRCC-79 “Grazing Behavior and Nutritional Status of Domestic Ruminants.”	64
	WRCC-80 “Alternative Crops for the Western Region”	64
	WRCC- “Nutrient Management and Soil Fertility.”	65
f.	established new WRCC’s	
	ad hoc WRCC- “Integrated and Ecological Rangeland Research and Management Assessment.”	61
	WRCC-101 “Assessing the Chinese Market for US Agricultural Products”	65
g.	terminated WRCC’s	
	WRCC-088 “Evaluation of Alfalfa Hay Quality in the Western Region“	68
h.	assigned new Administrative Advisors for:	
	W-185 “Biological Control and Pest Management Systems of Plants”— C. W. Laughlin (CO) to replace B. J. Jacobsen (MT).	65
	WRCC-67 “Coordination and Support for Sustainable Agriculture Research and Education in the Western Region”— J. J. Jacobs (WY) to replace D. E. Schlegel (CA-S).	65
	WRCC-69 “Coordination of IPM Research Programs for the Semiarid Regions of the Western United States”— T. McCoy (MT) to replace B. J. Jacobsen (MT).	65
	WRCC-81 “Systems to Improve End-Use Quality of Wheat” — R. Witters (OR) to replace A. Betschart (ARS-CA).	65
	WRCC-89 “Potato Virus Disease Control” — R. C. Heimsch (ID) to replace B. J. Jacobsen (MT).	66
	WRCC-101 “Assessing the Chinese Market for US Agricultural Products” — V. McCracken (WA) to serve as Administrative Advisor.	66
	ad hoc WRCC- “Integrated and Ecological Rangeland Research and Management Assessment” — G. Cunningham (NM) to serve as Administrative Advisor.	66
6.0	Unanimously approved three resolutions	8
7.0	Approved the slate of nominations for officers and committee assignments	9
8.0	Adjourned the meeting	11

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**WESTERN ASSOCIATION OF  
AGRICULTURAL EXPERIMENT STATION DIRECTORS**

University of Alaska  
Fairbanks, AK  
July 18-20, 1994

MINUTES

*ATTENDANCE:*

ALASKA	James V. Drew	N. MARIANAS	Aubrey Moore
	G. Allen Mitchell	OREGON	Thayne R. Dutson
ARIZONA	C. Colin Kaltenbach		V. Van Volk
CALIFORNIA	Henry J. Vaux		L. J. (Kelvin) Koong
	Barbara Schneeman	UTAH	H. Paul Rasmussen
	David E. Schlegel	WASHINGTON	James R. Carlson
	Lanny Lund		Vicki McCracken
COLORADO	Charles W. Laughlin	WYOMING	James J. Jacobs
HAWAII	N. P. (Ned) Kefford	AGRI. RES. SERV.	Robert J. Reginato
IDAHO	Richard Heimsch	CSRS	E. M. (Ted) Wilson
	Gary A. Lee	EXECUTIVE DIR.	Robert D. Heil
	Greg Moller	FOREST SERVICE	Richard Krebill
NEVADA	Ronald S. Pardini	W. SARE/ACE	V. Philip Rasmussen
NEW MEXICO	Gary Cunningham	OFFICE-EXEC. DIR.	Harriet Sykes
	Dinus M. Briggs		

1.0 *Call to Order*

The meeting was called to order by Chair Rasmussen.

2.0 *Introduction of New Members*

The attendees introduced themselves.

3.0 *Approval of the Agenda*

The motion was made and seconded *to approve the agenda as amended. MOTION CARRIED.* The agenda is attached as Appendix A, pp. 12-13.

4.0 *Interim Actions by the Chair*

Rasmussen reported that, as recommended at the Spring Meeting by the Directors, he had approved a 2.7 percent salary increase based on the regional average salary increase for the Executive Director, effective July 1.

5.0 *Executive Committee Report*

Rasmussen reported that the Executive Committee had met the previous evening. Some items discussed during their meeting are on the agenda and will be covered at that time.

ESCOP has asked the Western region to identify an individual from the Western Region to serve as Chair-Elect of ESCOP for 1995. The Executive Committee recommended that Rasmussen serve in that role.

At the Spring Meeting there was not current information presented to support off-the-top funding for W-185. However, the funding request was approved pending receipt of updated information. That information was received and off-the-top funding in the amount of \$30,000 was approved for FY1995.

The Executive Committee also discussed future meetings at NASULGC. As NASULGC changes its meeting format, the associations are slowly being closed out of meeting time. The Executive Committee discussed the possibility of focusing the greatest content of the Western Directors meetings at the Spring Meetings and at Fall Meetings held separately from the NASULGC Meeting. The Summer Meeting would continue to go with the communication and interaction with the Deans and other Directors. There would need to be enough time at the Spring and Fall meetings to have an agenda that includes expanded discussion about regional research activities.

#### 6.0 *Approval of Minutes of March 8-9, 1994 Meeting*

The motion was made and seconded ***to approve the minutes of March 8-9, 1994 Western Directors Association meeting. MOTION CARRIED.***

#### 7.0 *Treasurer's Report*

The Treasurer's Report is attached as Appendix B, pp. 14-15. As new committees have been established by ESCOP, the Executive Committee will address what ESCOP committee travel is to be covered by the Western Directors Special Account at the November 1994 Meeting.

The motion was made and seconded ***to approve the Treasurer's Report. MOTION CARRIED.***

#### 8.0 *Liaison Group Reports*

##### 8.1 *Forest Service Report*

Krebill reported that Jack Ward Thomas has been named as the new Chief of the Forest Service. Even though the position is nonpolitical, the Clinton Administration and the administrators of the Forest Service were not in harmony and the Forest Service was being excluded from activities. The previous administrator stepped aside and the Assistant Secretary for Agriculture appointed Jack Ward Thomas as the replacement.



It is difficult for someone from the science community to take the leadership of an agency where the land management side is such a controversial situation. Therefore, the National Forest System is the area to which Thomas is giving his greatest attention. All of the line officers, from administrators in Washington, DC through the forest supervisor level and including assistant directors of stations, were convened at a meeting. Thomas reaffirmed the Forest Service mission guiding principles. The essence of the program is telling the truth and staying within the law. A broad assessment of current conditions will be used to sustain and manage healthy forests and manage endangered species. A major change will be toward ecosystem management. The approach on ecosystem management is a major change in the way the Forest Service is operating. The research organization has taken a lead role in the assessment in the Northwest. The Forest Service intends to take a lead role in a study in the central Northwest states, in addition to the environmental impact assessment (EIS) of the Columbia River Basin. The study will be done in Idaho and western Montana. If these assessments continue across the country for all of the major areas, it is questionable whether research will continue to take the lead role. The strategic plan for the nineties for the research side of the Forest Service has three major thrusts: understanding ecosystems; understanding people and natural resource relationships; understanding resource options.

The Forest Service applied for and gained the status of a reinvention laboratory which means that they have the opportunity to redesign themselves within certain criteria and constraints. A team was formed that was lead by the past director of the Rocky Mountain Station, Hank Montrey, to look at reinvention of the Forest Service. A report has been developed that includes input from employees and town meetings around the country.

## 8.2 *ARS Report (Regional)*

Reginato commented that Dr. Dean Plowman is continuing as the Acting Assistant Secretary for Science and Education.

With regards to the FY95 Budget the four administrators of the S&E agencies will not present their budgets to the Department. They will be presented to the Assistant Secretary who will present the budgets to the Deputy Secretary.

Location closure: There were nineteen proposed closures; the House and Senate put back eleven. In the West, the location still scheduled for closure is the fruit and vegetable laboratory at Pasadena, CA. Three that were scheduled for closure and will probably remain open are: Sydney, MT - Brawley, CA - and Fairbanks, AK. There are to be no reductions in force. All affected employees will be offered positions elsewhere.

There will be a relatively flat FY95 Budget. The FY96 Budget will be prepared using guidelines released by Jack Gibbshot and to fit in their goals.

Regionally, in FY94, the Pacific West Area Arizona received \$1 million in new funds for whitefly research and for irrigation. The Albany, CA laboratory is going to pick up \$600,000 to \$700,000 for work on food safety. These are new base funds.

For FY95 in the Senate version, there was new money for Oregon for the hops program, small fruits and also nursery crops. In Hawaii, funds are being redirected out of fruitfly eradication into some university programs. In Arizona the Senate has \$500,000 to start planning a new laboratory at the University of Arizona Maricopa Experimental Farm. If that proceeds, eventually a new \$30 million laboratory will house both the water and the cotton laboratories from Phoenix with approximately 30 SYs.

In Pullman, WA, several of the research groups are reorganizing into more of a systems approach in solving some major agricultural problems in the Pacific Northwest.

In Idaho, the Boise lab has been without a research leader for the past two years. The position is to be filled by the fall.

ARS has a summer program for science teachers in elementary and secondary schools. ARS is trying to help these teachers get more university credit for their activities.

Lee (ID) commented on concern of the erosion of weed scientist programs in ARS. Reginato indicated that ARS is currently looking at filling a vacant position for a research leader in weed science.

### 8.3 *CSRS Report*

The CSRS Report was presented by Wilson and is attached as Appendix C, pp. 16-21.

## 9.0 *ESCOP Reports*

### 9.1 *ESCOP Executive Committee*

Heil reported that, under ESCOP Chair Wyse, there has been a reduction in number of committees. There is more of a focus on a few priorities.

ESCOP has been heavily involved in the USDA reorganization plans. Major emphasis has been put on linkages with other agencies at the national level. More collaborative efforts need to be built with other agencies. Another major effort, joint with Extension, has been made on image enhancement. There has been an extensive effort by 12-13 working groups on development of Farm Bill white papers.

The theme of the next joint meeting of ESCOP/ECOP will be to look at closer experiment station - extension linkages that relate to reorganization and also image enhancement.

### 9.2 *ESCOP FY95 Budget*

The ESCOP FY95 Budget Report presented by Cunningham is attached as Appendix D, p. 22. Rangeland Research has been deleted from the Senate budget recommendation.

All Directors are encouraged to contact their congressional representatives to get it restored.

### 9.3 *ESCOP FY96 Budget*

The ESCOP FY96 Budget Development Report presented by Rasmussen is attached as Appendix E, pp. 23-24.

### 9.4 *ESCOP Leadership Development*

The ESCOP/ACOP Leadership Development Program Report was presented by Laughlin and is attached as Appendix F, p. 25.

### 9.5 *Rangeland Working Group*

Laughlin reported that representatives from the Agricultural Experiment Station faculties from Utah State University, University of Wyoming and Colorado State University met to discuss potential collaborative efforts that relate to the whole issue of sustainable rangeland development and rangeland ecosystem management. Following the meeting, the three faculty representatives have started to put together work groups at their home institutions looking at how to assess internally strengths and weaknesses and what are areas for collaboration. It should be noted that the work groups include people from departments of sociology and political science in addition to county extension people and people from traditional departments in agriculture as well as recreation and tourism. This group is going to look at how a regional research activity might be developed that would particularly focus on the whole area of environmental law, rangelands plant breeding, and watershed management. The intent is to see how it can be developed into a regional research activity but developing in a different way than done previously and looking at how resources can be shared across state boundaries.

## 10.0 *Regional Reports*

### 10.1 *Linkages Subcommittee*

Cunningham reported on activities of the Linkages Subcommittee that was appointed at the 1994 Spring Meeting, included as Appendix G, p. 26.

### 10.2 *Western Supplementary Manual Revisions*

Heimsch reported that revisions had been undertaken on revision of the *Western Supplementary Manual for Western Regional Research*. Some of the recommended changes are: (1) Non-substantive items such as separation of the Western Research Coordinating Committee information section from the Regional Research information section and other editorial changes; (2) Items that represent significant changes in the *Manual*. One of which is a change in the protocols for coordinating committees, including a change in format for petitions and a PI contribution form for WRCCs. Secondly, to

embody the concept of inviting Extension to participate as they see fit in all regional projects and coordinating committees. The instructions in the *Manual* would be to notify Extension Directors, in addition to all the Experiment Station Directors, of new projects and coordinating committees so that they could circulate and garner interest for participation in the Extension quarter of the system.

The motion was made and seconded ***to approve the revisions to the Supplementary for Western Regional Research. MOTION CARRIED.***

### 10.3 *Biofuels Subcommittee*

Carlson reported on the Biofuels Subcommittee that was appointed at the 1994 Spring Meeting, attached as Appendix H, pp. 27-51. Also included in Appendix H is an inventory of Biofuel/Biomass Activities in the Western Region.

### 11.0 *Executive Director Report*

The Executive Director Report, presented by Heil, is attached as Appendix I, pp. 52-57. Recommendations about administrative advisor orientation are also included in Appendix I. The motion was made and seconded ***to include information for Administrative Advisor Orientation and a CSRS Check List for Administrative Advisors for Regional Research Technical Committees in the Supplementary Manual. MOTION CARRIED.***

Heil reported that he is developing a Western Regional Research Portfolio. The objectives for all Western regional projects and coordinating committees are to be linked to the initiatives in the ESCOP Strategic Plan. Also shown will be the relationship between the priorities that were developed at the 1993 Summer Meeting and the ESCOP Initiatives. The Western Directors will be asked to do a paired comparison analysis of the Western objectives associated with the ESCOP Initiatives. A section has been developed on the relationship of the Western Regional Initiatives with the Western Regional Council Initiatives that go into the Joint Council. The purpose is to have a portfolio that shows what we have established as priorities that is done on an objectives basis, rather than an initiative basis, and still show our diversity.

### 12.0 *RIC Report*

The RIC Report and related WDA actions, presented by Pardini, is included as Appendix J, pp. 58-69. Pardini commented that this was the first RIC meeting since the Committee of Nine one-stage project review process was established.

### 13.0 *Regional Research Report/Committee of Nine*

The Committee of Nine Report as submitted by Walter Woods and presented by Volk is attached as Appendix K, pp. 70-73. Volk reported that the Committee of Nine still has its main role of being advisory to the Secretary of Agriculture. Some activities and recommendations from the last Committee of Nine meeting are:

- (1) All regional research projects that had been approved by the regional associations were approved by the Committee of Nine. There were some letters sent to Administrative Advisors advising them to endeavor to work on interdependency and asking for clarification of resources.
- (2) Decisions on resources allocated for the NRSP projects were made. That information has been circulated to directors.
- (3) Second year review of regional research projects was conducted to evaluate progress. Of 33 committees that were reviewed, 11 were flagged. Volk emphasized that timely submission of reports is essential.
- (4) Guidelines are being developed for the Committee of Nine oversight responsibilities.
- (5) A new mission and goal statement for the Committee of Nine will be developed.
- (6) The role of the CSRS representative to regional research projects will be more clearly defined.
- (7) Guidelines for preparation of the Form 89 for evaluation of regional research projects are being developed.
- (8) Scientist contributions to regional research projects should be a minimum of 0.1 SY.
- (9) The reports required for regional research projects sometimes are not submitted or are in poor form. The Executive Directors from each of the regional associations are asked to oversee submission of reports.
- (10) Extension participation in regional research projects is encouraged. Also, as meetings are held, local extension people may be invited to sit in, even though they are not official members of the project. Even though the project is research oriented, it would be beneficial to incorporate technology transfer.

The Committee of Nine requested specific input from the regional associations regarding items 3, 4, and 6 itemized in Appendix K.

Discussion resulted in approval of "Outcome/Impact Expectations" becoming part of the research process and requiring a one paragraph news release type statement for sharing with news organizations in the fourth and fifth year of a project.

#### 14.0 *State Reports*

Rasmussen indicated that the policy has been established to provide written state reports at the Spring Meetings and present verbal reports at the Summer Meetings.

The following states gave brief verbal reports: Idaho, Hawaii, Arizona, Wyoming, Alaska, Northern Marianas, Colorado, Oregon, Nevada, California, Washington, New Mexico, and Utah.

#### 15.0 *Discussions on Joint Meetings*

The Western Academic Heads of Agriculture have requested that the joint session with the Experiment Station Directors be increased to two hours at the 1995 Joint Summer Meeting.

#### 16.0 *Future Meetings*

##### 16.1 *NASULGC — November 5-8, 1994*

The Fall WDA meeting will be held on November 8 during the NASULGC Meeting in Chicago, IL.

##### 16.2 *Spring Meeting — March, 1995 – Tucson, AZ*

The 1995 Spring Meeting is scheduled for March 13-15, 1995 in Tucson, AZ. RIC will meet on March 13 and the WDA will meet March 14-15.

##### 16.3 *Summer Meeting — 1995 – ?*

The 1995 Joint Summer Meeting will be held in Leavenworth, WA.

#### 17.0 *Resolutions*

The following resolutions were *UNANIMOUSLY APPROVED*.

##### *Resolution #1*

**WHEREAS** the Western Association of Agricultural Experiment Station Directors successfully completed their 1994 Summer Meeting in conjunction with the Western Region Joint Summer Meetings on the campus of the University of Alaska — Fairbanks, July 17-20, 1994, and

**WHEREAS** the Association was able to conduct its business in a beautiful, sunny Alaska setting after being most adequately fortified with Alaska River Cuisine, and

**WHEREAS** Jim and Marilyn Drew and Hollis and Darlene Hall graciously opened their beautiful homes to members, spouses and guests to a most enjoyable evening of food, drinks and visiting, and

**WHEREAS** the opportunity to visit the spectacular sights of our most northern state prior to and following the meeting was most appreciated, therefore be it

**RESOLVED** that the Western Association of Agricultural Experiment Station Directors express their sincere appreciation to Dean and Director Drew and his wife Marilyn, to Associate Director G. Allen Mitchell, and to all members of their faculty and staff for their hospitality and considerable effort to make the 1994 Summer Meeting both enjoyable and productive, and therefore be it further

**RESOLVED** that this resolution be included in the minutes of the 1994 Summer Meeting and distributed appropriately.

*Resolution #2*

**WHEREAS** Mr. Pemerika Tauiliili has served the Western Association of Agricultural Experiment Station Directors representing the Community College of American Samoa, and

**WHEREAS** Mr. Tauiliili has brought leadership and expertise to the Association, and

**WHEREAS** Mr. Tauiliili has distinguished himself and American Samoa through his accomplishments as a faculty member and Director of his Agricultural Experiment Station, and

**WHEREAS** Mr. Tauiliili retired in January of this year, therefore be it

**RESOLVED** that the members of the Western Association of Agricultural Experiment Station Directors at their meeting in Fairbanks, Alaska express their appreciation to Mr. Pemerika Tauiliili for his distinguished service to agriculture and to the Western Association of Agricultural Experiment Station Directors, and be it further

**RESOLVED** that the original of this resolution be sent to Mr. Tauiliili with a copy made part of the minutes of this meeting.

*Resolution #3*

**WHEREAS** Dr. Barry J. Jacobsen has served the Western Association of Agricultural Experiment Station Directors representing the Agricultural Experiment Station and the College of Agriculture, and

**WHEREAS** Dr. Jacobsen has brought leadership and expertise to the Association, and

**WHEREAS** Dr. Jacobsen has distinguished himself and Montana State University through his accomplishments as Dean and Director of the College of Agriculture and the Agricultural Experiment Station, therefore be it

**RESOLVED** that the members of the Western Association of Agricultural Experiment Station Directors at their meeting in Fairbanks, Alaska express their appreciation to Dr. Barry J. Jacobsen for his many significant contributions to and support of the Western Association of Agricultural Experiment Station Directors and wish him every future success, and be it further

**RESOLVED** that the original of this resolution be sent to Dr. Jacobsen with a copy made part of the minutes of this meeting.

18.0 *Election of Officers & Committee Assignments*

The motion was made and seconded *to accept the following slate of nominations for officers and committee assignments. MOTION CARRIED.*

Chair ..... G. Cunningham, NM  
 Chair-Elect ..... G. A. Mitchell, AK  
 Secretary ..... H. J. Vaux, CA-S  
 Treasurer ..... T. McCoy, MT

WDA Executive Committee:

Chair ..... G. Cunningham, NM  
 Chair-Elect ..... G. A. Mitchell, AK  
 Past Chair ..... H. P. Rasmussen, UT  
 Secretary ..... H. J. Vaux, CA-S  
 Treasurer ..... T. McCoy, MT  
 Senior ESCOP Representative ..... T. R. Dutson, OR  
 At-large member ..... J. R. Carlson, WA  
 At-large member ..... S. Horn, WY  
 Research Implementation Committee ..... R. C. Heimsch, ID (Chair)  
 ..... C. T. Lee, GU (96)  
 ..... L. J. Lund, CA-R (97)  
 ..... J. J. Jacobs, WY (98)  
 ..... R. Krebill, FS  
 ..... W. D. Carlson, CSRS  
 ..... P. E. Johnson, ARS  
 ..... O. E. Smith, OR - Extension

Committee of Nine ..... R. S. Pardini, NV (95)  
 ..... R. C. Heimsch, ID (96)  
 ..... C. T. Lee, GU (alternate)

Board of Directors, Western ..... T. R. Dutson, OR  
 Rural Development Center ..... H. F. McHugh, CO (95)  
 ..... C. C. Kaltenbach, AZ (96)

Experiment Station Committee ..... T. R. Dutson, OR (95)  
 on Organization and Policy ..... H. P. Rasmussen, UT (96)  
 (ESCOP) ..... G. A. Mitchell, AK (97)  
 ..... R. D. Heil, W. Exec. Dir. (alternate)



19.0 *Other Business*

19.1 *Regional Rural Development Centers*

The Report on Regional Rural Development Centers, provided by H. F. McHugh, is attached as Appendix L, p. 74.

19.2 *Western Sustainable Agriculture and Education Program (SARE)*

V. P. Rasmussen reported that Utah State University had been chosen as the new host institution for the Western SARE program and he is the Coordinator for the program. Chapter 3 of Section 1629 of the Farm Bill, the extension education program, was only recently officially approved and is now being implemented. The training coordinator, Jill Auburn of University of California – Davis, will be responsible for training extension agents. The Administrative Council will be conducting a strategic planning session in August. The call for proposals for the research section of Chapter 1 of Section 1629 will be released by the end of September and will be due by early December. The reviews of the proposals will start in January 1995.

20.0 *ADJOURNMENT*

The motion was made and seconded *to adjourn the meeting. MOTION CARRIED.*

**AGENDA**

Western Association of Agricultural Experiment Station Directors  
 Joint Summer Meeting, University of Alaska, Fairbanks, AK  
 July 17-20, 1994

**Sunday, July 17, 1994**

8:00 am – 5:00 pm .....  
     RIC meeting  
 5:00 – 8:00 pm .....  
     Registration/Reception  
 8:00 pm .....  
     WAAESD Executive Committee

**Monday - July 18, 1994****Morning Session**

8:30 – 12:00 noon    Joint Session  
  
 12:00                JOINT LUNCH

**Afternoon Session**

1:30	1.0	Call to Order .....	H. P. Rasmussen
	2.0	Introduction of New Members .....	H. P. Rasmussen
	3.0	Approval of the Agenda .....	H. P. Rasmussen
	4.0	Interim Actions by the Chair .....	H. P. Rasmussen
	5.0	Executive Committee Report .....	H. P. Rasmussen
	6.0	Approval of Minutes of March 8-9, 1994 Meeting .....	H. P. Rasmussen
	7.0	Treasurer's Report .....	H. P. Rasmussen
	8.0	Liaison Group Reports	
1:50	8.1	Forest Service Report .....	D. Burns
2:00	8.2	ARS Report (National & Regional) .....	R. J. Reginato
2:10	8.3	CSRS Report .....	E. M. Wilson
	9.0	ESCOP Reports	
2:20	9.1	ESCOP Executive Committee .....	T. R. Dutson
2:30	9.2	ESCOP FY95 Budget .....	G. Cunningham
2:40	9.3	ESCOP FY96 Budget .....	H. P. Rasmussen
2:50	9.4	ESCOP Leadership Development .....	C. W. Laughlin
3:00		BREAK	
	10.0	Regional Reports	
3:15	10.1	Linkages Subcommittee .....	G. Cunningham
3:30	10.2	<i>Western Supplementary Manual</i> Revisions .....	R. C. Heimsch

- 3:45 10.3 Biofuels Subcommittee ..... J. R. Carlson
- 4:00 11.0 Executive Director Report ..... R. D. Heil
- 4:10 12.0 RIC Report ..... R. S. Pardini
- 4:45 13.0 Regional Research Report/Committee of Nine ..... E. M. Wilson/V. V. Volk
- 5:00 ADJOURN FOR THE DAY
- 7:00 Salmon Bake Dinner

**Tuesday, July 19, 1994**

Joint Sessions with Other Functions/Groups (WAAESD, WED, CAHA, WIADA, CARET, ACOP)

- 8:30 – 12:00 noon Rotating Group Meetings
- 1:00 – 1:30 Aesop Conference Call
- 1:30 – 4:00 pm Rotating Group Meetings

**Afternoon Session**

- 4:00 13.0 Regional Research/Committee of Nine (cont.) ..... E. M. Wilson/V. V. Volk
- 4:20 14.0 State Reports
- 5:00 ADJOURN FOR THE DAY

ions in Private Homes.

**Wednesday, July 20, 1994**

**Morning Session**

8:30 – 11:00 Joint Session – All Groups

**11:00 – 12:00 noon WAAESD meeting (continued)**

- 11:00 15.0 Discussions on Joint Meetings ..... H. P. Rasmussen
- 11:20 16.0 Future Meetings
  - 16.1 NASULGC — November 5-8, 1994
  - 16.2 Spring Meeting — March, 1995 – Tucson, AZ
  - 16.3 Summer Meeting — 1995 – ?
- 11:40 17.0 Resolutions
- 11:50 18.0 Election of Officers & Committee Assignments
- 11:50 19.0 Other Business
  - 19.1 Regional Rural Development Centers ..... H. F. McHugh
- 12:00 20.0 ADJOURNMENT OF SUMMER 94 WAAESD MEETING

WAAESD Agenda

12:00        LUNCH

1:30 - 5:00    TOURS

END OF SUMMER MEETINGS

14  
**APPENDIX B**  
**WESTERN DIRECTOR AT LARGE ACCOUNT**  
**FINANCIAL REPORT**  
 FY 1994

10-Jul-94

**ASSESSMENTS**

Item	Assessment	Payment	Balance due
AM.SAMOA *	600.00		600.00
MICRONESIA *	600.00		600.00
NORTHERN MARIANAS	600.00	600.00	0.00
ALASKA	7,260.59	7,260.59	0.00
ARIZONA	12,957.54	12,957.54	0.00
CALIFORNIA	20,116.08	20,116.08	0.00
COLORADO	14,535.42	14,535.42	0.00
GUAM	7,069.60	7,069.60	0.00
HAWAII	9,494.53	9,494.53	0.00
IDAHO	11,471.03	11,471.03	0.00
MONTANA	12,135.38	12,135.38	0.00
NEVADA	9,328.45	9,328.45	0.00
NEW MEXICO	9,668.94	9,668.94	0.00
OREGON	14,718.13	14,718.13	0.00
UTAH	12,334.69	12,334.69	0.00
WASHINGTON	14,120.19	14,120.19	0.00
WYOMING	10,881.43	10,881.43	0.00
 SUB TOTAL	 167,892.00	 166,692.00	
 COLORADO RENT	 (7,800.00)	 (7,800.00)	
<b>Total</b>	<b>\$ 160,092.00</b>	<b>\$ 158,892.00</b>	<b>\$ 1,200.00</b>

**INCOME AND EXPENSES**

Date	Transaction	Income	Expense	Balance
July 1, 1993	June 30, 1993 Balance	\$	\$	\$ 59,353.84
07/10/94	FY 1994 Assessments Received	158,892.00		218,245.84
July 26, 1993	U of WY-Heil salary & benefits		29,013.93	189,231.91
July 30, 1993	Montana AES for accounting expenses		1,500.00	187,731.91
August 30, 1993	Wash State-Boyd salary & benefits		7,871.23	179,860.68
September 21, 1993	CSU-transfer of funds-July-December		23,802.00	156,058.68
October 21, 1993	U of WY-Heil salary & benefits-July-Sept,1993 -		28,642.87	127,415.81
January 31, 1994	CSU-transfer of funds January-March		25,000.00	102,415.81
January 31, 1994	U of WY - Heil salary & benefits-Oct-Dec,1993 -		27,221.79	75,194.02
February 28, 1994	Summer 1993 meeting carryover	2,451.41		77,645.43
May 2, 1994	U of WY - Heil salary & benefits-Jan-Mar, 1994 -		28,745.83	48,899.60
May 10, 1994	CSU-transfer of funds April -June		25,000.00	23,899.60
	U of WY - Heil salary & benefits-Apr-June, 1994			24,245.72
Aug 93	July Interest	346.12		24,586.91
Sept 93	August Interest	341.19		24,927.22
Oct 93	September Interest	340.31		25,258.18
Nov 93	October Interst	330.96		25,582.74
Dec 93	November Interest	324.56		25,917.85
Jan 94	December Interest	335.11		26,271.15
Feb 94	January Interest	353.30		26,585.70
Mar 94	February Interest	314.55		26,931.54
Apr 94	March Interest	345.84		27,278.06
May-94	April Interst	346.52		27,666.27
Jun-94	May Interest	388.21		27,666.27
Jun-94	June Interest			27,666.27
<b>Total</b>		<b>\$ 165,110.08</b>	<b>\$ 196,797.65</b>	<b>\$ 27,666.27</b>

\* Was rebilled in March, 1994

15  
**WESTERN DIRECTORS' SPECIAL ACCOUNT**  
**FINANCIAL STATEMENT**  
FY1994

**ASSESSMENTS**

10-Jul-94

Item	Assessment	Payment	Balance Due
ALASKA	\$ 473.33	\$ 473.33	\$ 0.00
ARIZONA	844.73	844.73	0.00
CALIFORNIA	1,311.40	1,311.40	0.00
COLORADO	947.59	947.59	0.00
GUAM	460.88	460.88	0.00
HAWAII	618.97	618.97	0.00
IDAHO	747.82	747.82	0.00
MONTANA	791.13	791.13	0.00
NEVADA	608.14	608.14	0.00
NEW MEXICO	630.34	630.34	0.00
OREGON	959.50	959.50	0.00
UTAH	804.12	804.12	0.00
WASHINGTON	920.52	920.52	0.00
WYOMING	709.38	709.38	0.00
<b>Total</b>	<b>\$ 10,827.84</b>	<b>\$ 10,827.84</b>	<b>\$ 0.00</b>

**INCOME AND EXPENSES**

Date	Transaction	Income	Expense	Balance
July 1, 1993	June 30, 1993 Balance	\$	\$	\$ 21,172.16
07/10/94	FY1994 Assessments Received	10,827.84		32,000.00
July 26, 1993	Kaltenbach, ESCOP-Dallas		563.03	31,436.97
August 19, 1993	Zuiches, Szabo, ESCOP-Seattle		1,603.21	29,833.76
August 30, 1993	Kaltenbach, ESCOP-Texas		616.76	29,217.00
September 9, 1993	Lee, ESCOP-Seattle		725.12	28,491.88
September 14, 1993	Rasmussen, ESCOP-Texas		880.35	27,611.53
October 5, 1993	McHugh, ESCOP-Texas		667.18	26,944.35
October 25, 1993	Rasmussen, ESCOP-D. C		1,841.82	25,102.53
Aug 93	July Interest	56.33		22,621.35
Sep 93	August Interest	55.53		22,676.88
Oct 93	September Interest	55.39		22,732.27
Nov 93	October Interest	53.86		22,786.13
Dec 93	November Interest	52.82		22,838.95
Jan 94	December Interest	54.54		22,893.49
Feb 94	January Interest	57.50		22,950.99
Mar 94	February Interest	51.19		23,002.18
Apr 94	March Interest	56.29		23,058.47
May-94	April Interst	56.40		23,114.87
Jun-94	May Interest	63.18		23,178.05
Jun-94	June Interest			23,178.05
<b>Total</b>		<b>\$ 11,440.87</b>	<b>9,434.98</b>	<b>\$ 23,178.05</b>

## COOPERATIVE STATE RESEARCH SERVICE

WESTERN DIRECTORS REPORT  
STATE AGRICULTURAL EXPERIMENT STATION DIRECTORS  
JULY 17-21, 1994  
FAIRBANKS, ALASKA**1. Assistant Secretary for Science and Education:**

Dr. R. Dean Plowman continues to represent us on an acting basis. However, President Clinton has nominated Dr. Jose M. Amador to be the next Assistant Secretary for Science and Education. Dr. Amador has been director of the Texas A&M Research and Extension Center in Weslaco, Texas, since 1991. Amador spent more than 26 years working with the Cooperative Extension Service and has done extensive research in the areas of plant pathology. A native of Cuba, Amador did undergraduate work at the University of Havana before completing his bachelor's degree and doctorate at Louisiana State University. The date for his confirmation hearing has not yet been scheduled.

**2. Reorganization:** On June 17, Congressman Kika de la Garza's Committee on Agriculture passed H. R. 3171, legislation to provide the Secretary with broad authority to reorganize the Department of Agriculture, by a vote of 27-21. The Committee was consistent with Congressman Stenholm's Subcommittee recommendation for research and extension by requiring the establishment of an independent Cooperative State Research and Education Service which would report directly to the Under Secretary for Research, Education and Economics. The next step in the legislative process is for H. R. 3171 to be considered by the full House of Representatives. At present, no date has been set for this action. As you may recall, the Senate passed S. 1970, its legislation to reorganize USDA, on April 13. Consequently, if the full House of Representatives passes H. R. 3171, House and Senate conferees will be designated to work out the differences between the House- and Senate-passed bills. Then one piece of legislation, which has been agreed upon by the conferees, will go back to both the House and the Senate for a final vote. I will keep you posted on any new developments.

**3. FY 1995 Budget:** On June 17, the House passed their version of the FY 1995 Agriculture Appropriations bill. The Senate Appropriations Committee reported out their version of the bill on June 23, 1994. The attached table reflects their actions.

**4. Higher Education Programs:**

**USDA Education Coordinating Council** -- The first meeting of the newly formed Education Coordinating Council took place Monday, June 20, 1994. The Council is composed of senior level policy officials from all USDA agencies. It will assist the Office of Higher Education Programs, CSRS, which represents the Department on several interagency bodies charged with promoting excellence

in education, particularly for traditionally underrepresented groups. The Council will make it possible to secure broad-based information and coordinate the preparation of comprehensive reports on USDA policies, programs, budget requests, and resource allocations for a wide range of formal and informal education initiatives. At the first meeting, Mike Alexander, Executive Assistant, USDA, Angela Phillips Diaz, Executive Secretary, National Science and Technology Council (NSTC), and Nancy Davis, Special Assistant to the Executive Director of the White House Initiative on Historically Black Colleges and Universities (HBCU's), addressed the group.

**National Excellence In Teaching Awards Program** -- A panel of experts met in Washington, D.C., June 24, 1994, to select eight regional and two national winners for the USDA National Excellence in College and University Teaching in the Food and Agricultural Sciences Program. This prestigious program, now in its third year, recognizes and honors the role teachers play in preparing the next generation of scientists and professionals who must meet the challenges of the 21st Century. A total of 71 proposals were received this year. Winners will be announced in November 1994 at NASULGC's national meeting in Chicago.

**Higher Education Multicultural Scholars Program** -- The new Higher Education Multicultural Scholars Program will be launched on July 15, 1994, when the solicitation for proposals will be mailed to approximately 4,500 faculty members, deans, and other academic personnel at 4-year and 2-year colleges and universities. The solicitation will announce a combined program for FY 1994 and FY 1995. Funds for both years, an estimated \$1.9 million, will be awarded from that one solicitation. As a result, applicants will have half the work, and twice the chance of receiving an award from a single proposal. The deadline for submitting proposals is September 16, 1994. A peer review panel will meet November 1-4 to rate the merits of eligible proposals, and awards will be announced by early 1995. It is anticipated that approximately 200 proposals will be received and that 40 to 50 grants will be made to support the recruitment and four years of study for 80 to 100 scholars. Scholarships will be awarded in the fields of agriculture, natural resources, forestry, veterinary medicine, and home economics.

**National Needs Graduate Fellowships Program** -- Almost \$3.4 million were available in FY 1994 to fund the USDA National Needs Graduate Fellowships Program. The Office of Higher Education Programs received 97 proposals which were peer reviewed on June 8-10, 1994. It is anticipated that approximately 30 grants will be made to support the recruitment and three years of training for 63 doctoral fellows. The national needs areas supported in FY 1994 are Animal Biotechnology; Food Science and/or Human Nutrition; and Marketing or Management--Food, Forest Products, or Agribusiness. Awards will be announced this summer.



**Higher Education Challenge Grants Program** -- One hundred six proposals were submitted to the Higher Education Challenge Grants Program in FY 1994, representing a total funding request of \$7.8 million. On March 8-11, a peer review panel of 25 university administrators and educators, scientists, business and industry professionals, and government officials met in Washington, D.C., to review the applications. Out of the 106 proposals reviewed, the panel recommended funding 24 proposals, a 23 percent success rate. Awards totaling \$1.44 million will be announced this summer.

5. **Current Research Information System (CRIS):** Timeliness and Accessibility of CRIS Technical Data -- New CRIS projects which are submitted on hard copy take, at minimum, between two and three weeks to be added to the inhouse database. Progress reports, due to the volume and processing required, take a bit longer. New projects and progress reports that are submitted electronically are added within one week. The CRIS technical file, accessible online through DIALOG and Internet, is updated monthly. In other words, material submitted electronically is usually available on the CRIS technical file via the online retrieval services the month following receipt in the CRIS office. Material submitted on hard copy is usually not accessible for at least two months.

6. **USDA's Forestry Research Advisory Council to Meet July 14-15, 1994:** The Forestry Research Advisory Council (FRAC) will meet July 14-15, 1994, in CSRS Conference Rooms 338 A, B & C, the Aerospace Center, Washington, D.C. The agenda will include Federal science planning and implementation of the National Research Council report: Forestry Research: A Mandate for Change. The meeting is open to the public. FRAC members are appointed by the Secretary of Agriculture to advise the Secretary on planning and coordination of forestry research within Federal and State agencies, forestry schools, and the forest industries. For more information or to file written comments before or after the meeting, contact Colien Hefferan, Executive Secretary, Forestry Research Advisory Council, USDA-CSRS, Room 329 Aerospace, Washington, D.C., 20250-2210; telephone (202) 401-4555, fax (202) 401-1706.

7. **Science and Education National Research Initiative Advisory Committee:** CSRS has published a Federal Register notice of intent to reestablish the Science and Education National Research Initiative Advisory Committee. This Committee will advise on areas of agricultural research to be supported, priorities to be adopted, and procedures to be followed in implementing programs of research grants to be awarded competitively through the National Research Initiative Competitive Grants Program. The Committee will meet annually in Washington, D.C. A list of potential nominees is now being collected.

8. **The National Research Initiative Competitive Grants Program (NRICGP):** The NRICGP of CSRS received approximately 3,450 proposals in response to the 1994 solicitation that included 31 program areas. Four new programs were begun in 1994: Biological Control Research, Assessing Pest Control Strategies, Water Resources Assessment and Protection, and Agricultural Systems. Thirty-three review panels were constituted for evaluation of NRICGP proposals, the last of which met the week of June 27, 1994. Awards made in the program will become official as of October 1, 1994. It is anticipated that the 1995 Solicitation of Application will be published on or around September 1, 1994.

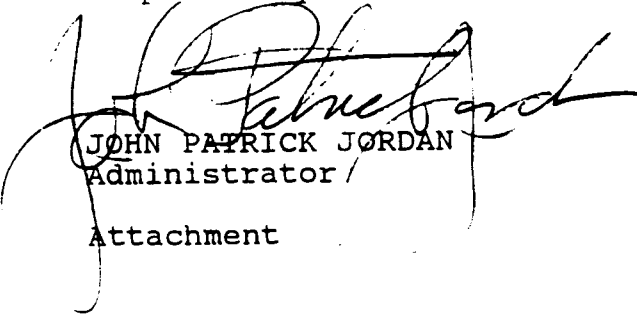
The Small Business Innovative Research Program (SBIR) has released its 1995 Program Solicitation. The deadline for Phase I applications is September 1, 1994.

9. **Agricultural Materials:** Field testing of products derived from crop materials is an increasing emphasis in the Office of Agricultural Materials. The Department of Defense is funding a portion of these tests with the Advanced Materials from Renewable Resources program. This program is jointly operated by the U.S. Army Natick Laboratory and the Office of Agricultural Materials in CSRS. It was funded with approximately \$10 million in FY 93 and \$5 million in FY 94. Tests are now in progress at the Army Proving Ground in Yuma, Arizona, for biodiesel and guayule rubber truck tires. Tests of guayule rubber aircraft tires are planned for late summer. It is expected that the testing of materials derived from agricultural products will expand to include natural fiber absorbents for spilled oil, guayule rubber retreads, and uses for biodiesel as a solvent and fuel oil. These joint activities are facilitated by the technology insertion program out of the U.S. Army Tank-Automotive Research, Development and Engineering Center in Warren, Michigan, and under the guidance of the Deputy Secretary for Environmental Security in DoD.

10. **Aquaculture:** The Joint Subcommittee on Aquaculture met on June 16, 1994. Meeting highlights included updates on the Regional Aquaculture Centers (RACs) by RAC Industry Advisory Council chairs/representatives; a presentation on a major mariculture project, linked to offshore oil drilling platforms, planned for Federal waters in the Gulf of Mexico by Sea Pride Industries; a description of defense technologies that could be applied to aquaculture by a representative of Allied-Signal Aerospace Co.; an overview of a newly established Aquaculture Network Information Center (AquaNIC); an update on aquaculture activities of the Sea Grant College Program; and a briefing on the National Science and Technology Council. The meeting was well attended by members of Federal and State agencies, industry officials, and scientists. On June 16-17, industry leaders convened at the Farm Bureau headquarters for a meeting of the National Aquaculture Industry Forum. The Forum is a coalition of

aquaculture associations and allied groups dedicated to promoting industry growth through coordinated activities and public education. Representatives of Federal and State agencies are invited to attend Forum meetings as resource personnel.

Respectfully submitted,



JOHN PATRICK JORDAN  
Administrator

Attachment

## Attachment

Cooperative State Research Service  
(Dollars in Thousands)

Program	FY 1994 Revised Appro.	FY 1995 President's Budget	FY 1995 House Action	FY 1995 Senate Committee
Hatch Act .....	171,304	171,304	171,304	171,304
McIntire-Stennis .....	20,809	20,809	20,809	20,809
Evans-Allen .....	28,157	28,157	28,157	28,157
Animal Health & Disease .	5,551	5,551	5,551	5,551
NRI Competitive Grants ..	103,071	130,000	103,123	103,123
Special Research Grants .	70,892	29,718	44,969	52,295
Critical Ag. Materials ..	500	- -	400	500
Rangeland .....	475	475	475	- -
Aquaculture Centers .....	4,000	4,000	4,000	4,000
Sustainable Agriculture .	7,400	8,825	7,400	8,825
Supplemental & Alt. Crops	1,818	1,818	1,818	650
HE-Challenge Grants .....	1,500	1,500	4,350	4,350
HE-Graduate Fellowships .	3,500	3,500	3,500	3,500
HE-Multicultural Scholars	1,000	1,000	1,000	1,000
HE - Morrill-Nelson .....	2,850	2,850	- -	- -
Direct Federal Admin. ...	21,296	11,891	19,954	19,019
Subtotal .....	444,123	421,398	416,810	423,083
Buildings & Facilities ..	53,977	- -	34,148	59,836
TOTAL .....	498,100	421,398	450,958	482,919

**WDA AGENDA BRIEF**

**Meeting Date:** Monday, July 18, 1994

**Agenda Item:** 9.2

**Presenter:** G. Cunningham

**Agenda Item Title:** ESCOP FY 95 Budget

**Background Information:**

By this time, you have all seen actions taken on the FY 95 budget by both the House and Senate. We only await action of the conference committee. Essentially level funding appears to be a major victory given congressional action in other research funding areas.

**Action Requested:** None

**Action Taken:**

**ESCOPE AGENDA BRIEF****Meeting Date:** JULY 26-28**Agenda Item:** 9.3**Presenter:** H. PAUL RASMUSSEN**Agenda Item Title:** 1996 BUDGET DEVELOPMENT**Background Information:**

The budget development process for 1996 has taken some new paths. Dr. Heil and I have met with USDA agency heads on 2 or 3 occasions with the result being a better understanding and direction for the budgeting process. The meetings have resulted in the better coordination of programs which will allow us all to be more consistent in the budget requests to be sent forward to the hill. The Board on Agriculture has just completed their first attempt at establishing numbers for the 1996 budget. The practice of concurrent membership by ESCOP and ECOP on each others budget committees has lead to a better understanding and coordination between the two groups. It has also resulted in development of lines which are supportive and which will show as common priorities when the budgets arrive on the hill.

We are still developing the verbiage to support the numbers we have developed. The ESCOP 1996 Budget Committee is now taking a look at the preliminary numbers that were presented at the Board on Agriculture meeting in Washington D.C. in June. Each member of the committee has had the opportunity to submit priorities as we began the process of number development. The committee will now analyze the numbers and make further refinement.

The first draft numbers include a 6% increase in the base programs and have focussed on some new areas for consideration. These new areas have received the support of the Board on Agriculture Budget Committee but are still subject to further modification as we get a better feel for what the mood of congress is in the future.

New program focuses include: Long term forest productivity, that has been added into the base program of McIntire-Stennis (the addition, rather than a new line, makes the McIntire-Stennis base go beyond the 6%); NRI is increased by removing the add on's such as global warming, water quality and etc., we feel that we must keep the NRI focussed on the original 6 items or it will continue to be eroded by adding more and larger items which should be independent line items. Another new program focus is on Rangeland Research, a western regional priority, with a recommended increase from the current \$475,000 to \$ 5 million. If we are going to be moved off of public lands, in part or in total, for animal production we must provide alternatives if many ranchers are to stay in business. IPM is a high priority with a large increase in recommended funding. ESCOP has also gone on record as supporting a

significant increase in funding of higher education through the CSRS budget.

The 96 Budget Committee has been assigned writing responsibilities to justify the budget numbers. They have been asked to document reallocation and elimination of programs no longer considered vital or which have had resolution. We think it is important to clearly state the impact of investment in agricultural research, therefore impact examples will be part of the documentation.

As the material is presented to congress it will be important to indicate the consequences of not receiving requested funding as well; for example, solid waste disposal research funds will impact society for many years to come as the waste accumulates and contaminates the ground water.

Writing assignments are also given within the Board on Agriculture. This provides an opportunity for a new format if that is desirable. We welcome input from the ESCOP leadership as we further refine the 1996 ESCOP and Board on Agriculture budgets. We have made excellent progress to this point and anticipate that the refining process will be positive, bringing the budget into good shape for submission.

**Action Requested:** None, for information only. A copy of the current draft of the budget is available for ESCOP leadership consideration and comment.

**Action Taken:**

## WDA AGENDA BRIEF

**Meeting Date:** July 18-20, 1994

**Agenda Item:** 9.4

**Presenter:** Charles W. Laughlin

**Agenda Item Title:** ESCOPE/ACOP Leadership Development Program

**Background Information:** \_\_\_\_\_

Class 3 of the ESCOP/ACOP Leadership Development Program completed its Phase III activities in Washington, DC on June 7-9, 1994. Class 4 will begin its Phase I activities on September 24-30, 1994 in Indianapolis, IN. Class 4 has 75 participants representing 33 states.

**Action Requested:**

None. Information only.

**Action Taken:**



## WDA AGENDA BRIEF

**Meeting Date:** Monday, July 18, 1994

**Agenda Item:** 10.1

**Presenter:** G. Cunningham

**Agenda Item Title:** Linkages Subcommittee

### **Background Information:**

A subcommittee was appointed at the spring meeting of the WAAESD at Ft. Collins, CO. The charge to the committee was to begin investigation of ways to improve linkages between WAAESD and other organizations with interests in conducting or using results of regional research. Members of the committee (G. Cunningham, V. Volk, J. Carlson and C. Laughlin) met by conference phone along with E. Wilson and R. Heil. Potential linkages with a number of organizations were discussed. In general the committee feels that linkages that already exist need to be strengthened and moved from a "reporting" mode to a "collaborative" mode which would include joint regional research projects. Organizations with which this kind of strengthening of linkages might be appropriate include; CES, USFS, and ARS. Efforts should be made to identify appropriate individuals or offices to begin to strengthen other linkages that have been intermittent or non-functional in the past such as those with Vet. Med., NAPFSC, and ERS. Our greatest need is to work on linkages with potential user organizations and their research and/or research funding arms such as EPA, SCS, BLM, BIA, NBS, DOE, DOD, USGS. The subcommittee will meet during the week of July 18 to make contact assignments for specific organizations.

**Action Requested:** None

**Action Taken:**

## WDA AGENDA BRIEF

**Meeting Date:** Monday, July 18, 1994  
**Agenda Item:** 10.3  
**Presenter:** J.R. Carlson  
**Agenda Item Title:** Biofuels Subcommittee  
**Background Information:**

A subcommittee was appointed at the winter meetings of WAAESD at Fort Collins to determine activities in the area of biomass/biofuels in the western region. The subcommittee met by conference phone and decided to undertake an inventory of activities at land grant universities in the western region. A request was issued to all experiment stations and responses were compiled into a brief report. A copy of the report will be distributed to all stations. There appears to be substantial activity in the area of biomass/biofuels in the western region. The inventory includes information from land grant universities with only limited access to commercial activities. It is known that a number of commercial organizations are carrying out extensive biomass/biofuels projects and/or commercial enterprises. The possibility exists for regional project activities in selected areas.

### **Action Requested:**

No action required.

### **Action Taken:**

**INVENTORY OF  
BIOFUEL/BIOMASS  
ACTIVITIES  
IN THE WESTERN REGION  
JUNE 1994**

**Biofuel/Biomass Subcommittee**

**Western Association of Agricultural Experiment Station Directors**

## **PREFACE**

A subcommittee was appointed at the winter meeting of WAAESD in Fort Collins, CO to assess activities in the area of biomass/biofuels in the western region. Members of the subcommittee were: J.R. Carlson, WA; C.W. Laughlin, CO; R.C. Heimsch, ID; D.S. Schlegel, CA. The subcommittee met by conference phone and decided to compile an inventory of activities at land grant universities in the western region. A request was issued to all experiment stations and the responses were summarized into this Inventory of Biofuel/Biomass Activities in the Western Region. There appears to be substantial activity in biofuel/biomass in the western region. The inventory includes information from land grant universities with only limited access to commercial activities. It is known that a number of commercial organizations are carrying out extensive biofuel/biomass projects and/or commercial enterprises.

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**INVENTORY OF  
BIOFUEL/BIOMASS ACTIVITIES  
IN THE WESTERN REGION**

**June, 1994**

**DIESEL FUEL SUBSTITUTE/LUBRICANTS**

PI: Crawford, DL and Erickson, FL  
Institution: University of Idaho  
College of Agriculture (208)885-7173  
Moscow, ID 83844 (208)885-6654 FAX

Biodegradability of HEAR (Rapeseed) oil based telomer, lubricant additives and formulations containing telomer.

\* \* \* \* \*

PI: Peterson, CL  
Institution: University of Idaho  
College of Agriculture (208)885-7173  
Moscow, ID 83844 (208)885-6654 FAX

Ethyl ester process scale-up and biodegradability of biodiesel, and alternative lubricants from rapeseed.

\* \* \* \* \*

PI: Bergman, JW  
Institution: Montana State University  
College of Agriculture (406)994-3681  
Bozeman, MT 59717 (406)994-6579 FAX

Breeding and improvement of oilseed crops for eastern Montana. Dr. Bergman's safflower breeding project has created a variety which is high in a diesel fuel substitute.

\* \* \* \* \*

PI: Karow, R  
 Institution: Oregon State University  
 Crop and Soil Science Dept.  
 Crop Science Building 131A (503)737-2771  
 Corvallis, OR 97331

Use of soydiesel.

\* \* \* \* \*

PI: Meints, R  
 Institution: Oregon State University  
 Center for Gene Research  
 Ag Science Building 3021 (503)737-3347  
 Corvallis, OR 97331

Use of algae as direct producers of diesel-like lipids as secondary carbon.

\* \* \* \* \*

## BIOMASS AS FUEL

PI: Coates, W  
 Institution: University of Arizona  
 Arid Land Studies (602)741-1691  
 Tucson, AZ 85721

Utilization of cotton stalks as a source of biofuel.

\* \* \* \* \*

PI: Hasey, J  
 Institution: University of California-Davis  
 Division of Ag & Natural Resources  
 Coop Extension - North Region (916)757-8623  
 Davis, CA 95616-8575 (916)757-8817 FAX

A plot at the Sierra Research & Extension Center, Browns Valley, CA (conducted from 1984-1990) compared various eucalyptus and poplar as fuelwood. Publications are in progress. After harvesting, the plot was continued to evaluate cold tolerant eucalyptus.

\* \* \* \* \*



PI: Bacca, M  
 Institution: Tehama Fiber Farm (916)824-9756  
 Corning, CA

A ten thousand (10,000) acre irrigated eucalyptus plantation is being grown on an eight year rotation for paper pulp chips and fuel chips. Expected production rate - 9 BDT/ac/yr. Numerous field studies on irrigation rates, fertilizer rates, genetically improved stock.

\* \* \* \* \*

PI: Hartsough, B  
 Institution: University of California - Davis (916)752-0107  
 Ag Engineering  
 Davis, CA 95616

Develops and uses production/harvesting options for agroforestry plantations in the San Joaquin Valley, California. Spreadsheet program that evaluates the economics of harvesting plantation grown eucalyptus for various product mixes - pulp chips, fuel chips, firewood; and various markets - paper plants, energy plants, local firewood, urban firewood.

\* \* \* \* \*

PI: Nakamura, G; National Biofuels Roundtable  
 Institution: University of California-Davis  
 Coop Extension - North Region (916)757-8623  
 Davis, CA 95616-8575 (916)757-8817 FAX

1. Recently issued Principles and Guidelines for the Development of Biomass Energy Systems, addressing the environmental considerations of biomass energy development (carbon sequestration, etc.), the development and use of forest and ag residues, native forests, and energy crops - switchgrass, poplar, eucalyptus.
2. Ad hoc work group of farm advisors, extension specialists, professors, biomass producers and biomass users. Works closely with EIA but not confined to eucalyptus. Focus on research and education needs in biomass production and utilization.
3. Wood-fueled power plant ash is unnecessarily being placed in landfills at great cost. Research is conducted on the effects of applying different rates of clean, wood-fueled power plant ash to eucalyptus. Power Plant Ash Workgroup has ash application research on-going throughout the state - to rangeland, pasture.

\* \* \* \* \*

PI: Merwin, M  
 Institution: Eucalyptus Improvement Association (916)753-9394  
 California

This is a non-profit organization of private landowners, farmers, state and federal agencies, extension, and forest and power industry. It encourages the development and use of eucalyptus for fuelwood, windbreak, pulp; provides information to the public about the production, management, and harvest of eucalyptus. Quarterly newsletter. Annual meetings. A good forum for U.C. Coop. Extension to get information to landowners and biomass users.

\* \* \* \* \*

PI: Ledig, T  
 Institution: USDA Forest Service  
 Pacific Southwest Research Station (510)559-6433  
 Albany, CA

Eucalyptus tree improvement. Pacific Southwest Research Station, Albany, CA.

\* \* \* \* \*

PI: Turnbull, JH  
 Institution: Electric Power Research Institute  
 CA (510)866-5528

Biofuels production.

\* \* \* \* \*

PI: Cervinka, V  
 Institution: Department of Food and Agriculture  
 Division of Plant Industry  
 1220 N Street  
 Sacramento, CA 95814

Biomass/biofuels from agricultural wastes and tree crops used as tools for the management of salinity.

\* \* \* \* \*

PI: Guerrero, J  
 Institution: University of California  
 Imperial County Coop Extension  
 1050 E. Holton Road (619)352-9474  
 Holtville, CA 92250-9615 (619)352-0846 FAX

Juan Guerrero, Livestock Farm Advisor, is working on problems with the Mesquite Lake manure burning plant. He appeared on "Good Morning America", explaining some of the problems. The federal government asked him to respond, and he has, to the Federal Energy Regulatory Commission to explain why the manure has a different consistency. He may be called upon to either appear in court or provide more background information to FERC.

\* \* \* \* \*

PI: Mayberry, K  
 Institution: University of California  
 Imperial County Coop Extension  
 1050 E. Holton Road (619)352-9474  
 Holtville, CA 92250-9615 (619)352-0846 FAX

Keith Mayberry, Farm Advisor, has two eucalyptus biomass/fuelwood projects in progress. The first was established in 1983 at the University of California Desert Research and Extension Center in the Imperial Valley. This project is in the final stages of data collection.

\* \* \* \* \*

PI: Murphy, V  
 Institution: Colorado State University (303)491-5371  
 Fort Collins, CO 80523 (303)491-7396 FAX

Survey of biomass fuel industries in Colorado. Funded by the Western Region Energy Biomass Program of DOE; Dr. Murphy serves on the Agricultural Resources Advisory Group for this DOE program. The survey was finished a year ago.

\* \* \* \* \*

PI: Schnepf, CC  
 Institution: University of Idaho (208)885-7173  
 College of Agriculture (208)885-6654 FAX  
 Moscow, ID 83844

Hybrid poplar as a source of biofuel and particle board.

\* \* \* \* \*

PI: Carlson, T  
 Institution: University of Idaho  
 College of Agriculture (208)885-7173  
 Moscow, ID 83844 (208)885-6654 FAX

Efficiency of combustion and emissions of the University of Idaho's wood chip fueled boiler/power plant.

\* \* \* \* \*

PI: Fay, PK  
 Institution: Montana State University  
 College of Agriculture (406)994-3681  
 Bozeman, MT 59717 (406)994-6579 FAX

Weeds in cultivated crops in Montana. Dr. Fay has shown that it is possible to make heating fuels out of weeds.

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PI: Lansford, B  
 Institution: New Mexico State University  
 Ag Experiment Station  
 Box 30003, Dept. 3BF (505)646-3126  
 Las Cruces, NM 88003-0008 (505)646-5975 FAX

Feasibility of using wood pellets for woodburning stoves.

\* \* \* \* \*

PI: Karow, R  
 Institution: Oregon State University  
 Crop and Soil Science Dept.  
 Crop Science Building 131A (503)737-2771  
 Corvallis, OR 97331

Use of burning low quality grains in pellet stoves.

\* \* \* \* \*

PI: Fransen, S  
 Institution: Washington State University - Puyallup  
 7612 Pioneer Way, East (206)840-4506  
 Puyallup, WA 98371-4998 (206)840-4671 FAX

Program includes biomass production - especially perennial and annual grasses. Alfalfa has been reported to be good for biofuels and forage feed.

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PI: Inglis, D  
 Institution: Washington State University - Mt. Vernon  
 1468 Memorial Highway (206)424-6121  
 Mt. Vernon, WA 98273-9788 (206)428-1331 FAX

Disposal of cull potatoes is a major concern in both western and eastern Washington. Perhaps cull potatoes could be used in the future as a biofuel source?

\* \* \* \* \*

PI: Gray, A  
 Institution: University of Wyoming  
 P.O. Box 866 (307)856-1305  
 Riverton, WY 82502

Conducts project involving alfalfa leaf-stem separation and quality evaluation to add value and improve marketing of Wyoming hay products. The applied research project evaluates nutritional value, BTU content, ethanol yield of stems, leaf weed quality, and other co-products.

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## **CHEMICALS FROM BIOMASS/BIOCONTROL AGENTS**

PI: Brink, D  
 Institution: University of California - Berkeley  
 College of Natural Resources  
 101 Giannini Hall (510)215-4200  
 Berkeley, CA 94720

An AES project involving fuels and chemicals from residual and recycled biomass, directly addresses this subject. An active research and development program is on-going with support for the past year from the National Renewable Energy Laboratory, Golden Colorado. Four graduate students are working in this field.

\* \* \* \* \*

PI: Linden, J  
 Institution: Colorado State University (303)491-6122  
 Fort Collins, CO 80523 (303)491-7396 FAX

Simultaneous Saccharification and fermentation technology for ethanol production.

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PI: Karim, N  
 Institution: Colorado State University (303)491-5371  
 Fort Collins, CO 80523 (303)491-7396 FAX

1. Optimization of ethanol production from lignocellulosic biomass using recombinant microorganisms.
2. Production of polyhydroxybutyrate (PHB: biodegradable polymers) from cheese whey and wet corn mill wastes.
3. Media optimization for xylose fermentation for alcohol production.

\* \* \* \* \*

PI: Crawford, DL  
 Institution: University of Idaho (208)885-7173  
 College of Agriculture (208)885-6654 FAX  
 Moscow, ID 83844

Bioconversion of lignin into phenolic-based chemical feedstocks.

\* \* \* \* \*

PI: Morra, M and McCaffrey, JP  
 Institution: University of Idaho (208)885-7173  
 College of Agriculture (208)885-6654 FAX  
 Moscow, ID 83844

Use of *Brassica* spp in biocontrol strategies.

\* \* \* \* \*

PI: Morra, M and Knudsen, GR  
 Institution: University of Idaho  
 College of Agriculture (208)885-7173  
 Moscow, ID 83844 (208)885-6654 FAX

1. Glucosinolate-based soil amendments (from rapeseed) to control insect pests and fungal pathogens.
2. Pesticide activity of glucosinolate degradation products.

\* \* \* \* \*

PI: Brown, J  
 Institution: University of Idaho  
 College of Agriculture (208)885-7173  
 Moscow, ID 83844 (208)885-6654 FAX

Develop superior rapeseed cultivars capable of high erucic acid production and suitable to a wide range of environments in the United States.

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PI: McCaffrey, JP and Knudsen, GR  
 Institution: University of Idaho  
 College of Agriculture (208)885-7173  
 Moscow, ID 83844 (208)885-6654 FAX

Integration of *Brassica* spp residues and microbial biological control agents.

\* \* \* \* \*

PI: Hafez, S  
 Institution: University of Idaho  
 College of Agriculture (208)885-7173  
 Moscow, ID 83844 (208)885-6654 FAX

Use of *Brassica* spp residue as a nematicide in potato and sugarbeet crops.

\* \* \* \* \*

PI: Strobel, GA  
 Institution: Montana State University  
 College of Agriculture (406)994-3681  
 Bozeman, MT 59717 (406)994-6579 FAX

Biochemical and physiological basis of disease interaction in higher plants. Chemicals have been identified in plants which have potential for whole new classes of medicines.

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PI: Patton, JI  
 Institution: New Mexico State University  
 Ag Experiment Station  
 Box 30003, Dept. 3BF (505)646-3126  
 Las Cruces, NM 88003-0003 (505)646-5975 FAX

Uses cellulose residue fermentation to produce xanthum gum.

\* \* \* \* \*

PI: Hashimoto, A  
 Institution: Oregon State University  
 Bioresource Engineering  
 Gilmore Hall 116 (503)737-2041  
 Corvallis, OR 97331

Methane from biomass, ethanol from biomass. Residue as soil amendment (negative results).

\* \* \* \* \*

PI: Ingham, ER  
 Institution: Oregon State University  
 Dept. of Botany and Plant Pathology  
 Cordley Hall (503)737-7715  
 Corvallis, OR 97331

Assess the effect of adding Klebsiella planticola engineered to use plant biomass and produce ethanol for fuel on the soil biomass. The plan is to take plant material, add the bacterium, let it ferment the plant material and remove the ethanol produced, then spread the spent material on soil. We are working with the EPA on whether the spent material is hazardous to the fields on which it would be spread. What we have found is that use of this spent material as a fertilizer is quite detrimental to plants in the field on which it is spread.

\* \* \* \* \*



**FOOD AND FEED**

PI: Linden, J  
 Institution: Colorado State University (303)491-5371  
 Fort Collins, CO 80523 (303)491-7396 FAX

Ensiling of agricultural biomass.

\* \* \* \* \*

PI: Hunt, CW  
 Institution: University of Idaho  
 College of Agriculture (208)885-7173  
 Moscow, ID 83844 (208)885-6654 FAX

Evaluation of methods of crambe and rapeseed meal utilization as a protein supplement for ruminants.

\* \* \* \* \*

PI: Bergman, JW  
 Institution: Montana State University  
 College of Agriculture (406)994-3681  
 Bozeman, MT 59717 (406)994-6579 FAX

Safflower product enhancement research and germplasm development. Dr. Bergman's safflower breeding project has created a variety which contains a healthy oil which can replace undesirable oils used in human consumption. Another use of the pulp is as a high protein additive to animal feeds.

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PI: Newman, RK  
 Institution: Montana State University  
 College of Agriculture (406)994-3681  
 Bozeman, MT 59717 (406)994-6579 FAX

Health maintenance aspects of dietary recommendations designed to modify lipid metabolism. Dr. Newman has shown that Beta-glucans can be added to consumer food products to reduce human blood cholesterol levels.

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**CROP/ANIMAL PRODUCTION**

PI: Mayberry, K  
 Institution: University of California  
 Imperial County Coop Extension  
 1050 E. Holton Road (619)352-9474  
 Holtville, CA 92250-9615 (619)352-0846 FAX

The second project established in July 1993 at a plantation in cooperation with the California Eucalyptus Improvement Association (a non-profit organization headquartered at Davis). Six new *Eucalyptus camaldulensis* (Red River Gum) clones are being evaluated for growth rate in the low desert. The trial is laid out in a randomized, replicated design suitable for statistical analysis. The first data were collected in January 1994, and a field day was held in May.

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PI: Bowen, R  
 Institution: Colorado State University (303)491-5371  
 Fort Collins, CO 80523 (303)491-7396 FAX

Production of cellulase in transgenic dairy cows.

\* \* \* \* \*

PI: Laughlin, C  
 Institution: Colorado State University (303)491-5371  
 Fort Collins, CO 80523 (303)491-7396 FAX

Several research centers are conducting research on new and alternative crops. A variety of crops are being evaluated but a defined program in biomass and biofuels is not in place.

\* \* \* \* \*

PI: Smith, D  
 Institution: Colorado State University (303)491-5371  
 Fort Collins, CO 80523 (303)491-7396 FAX

Prior research conducted on biomass crops including sorghum, sweet sorghum. No current activity due to lack of grant support.

\* \* \* \* \*

PI: Imperio, E  
 Institution: University of Guam  
 College of Ag & Life Sciences  
 UOG Station (671)734-2575  
 Mangilao, Guam 96923 (671)734-6842 FAX

Tropical mushroom production with used paper, sewage sludge, and *Luecaena* sp. wood chips.

\* \* \* \* \*

PI: Davis, JR  
 Institution: University of Idaho  
 College of Agriculture (208)885-7173  
 Moscow, ID 83844 (208)885-6654 FAX

Use of green manure for biological control of soil borne diseases of potatoes.

\* \* \* \* \*

PI: Dunkel, FV  
 Institution: Montana State University  
 College of Agriculture (406)994-3681  
 Bozeman, MT 59717 (406)994-6579 FAX

Marketing and delivery of quality cereals and oilseeds. Dr. Dunkel has shown that extracts of some crops and plants can be used as more desirable insect repellents for crop production and storage.

\* \* \* \* \*

PI: Newman, CW  
 Institution: Montana State University  
 College of Agriculture (406)994-3681  
 Bozeman, MT 59717 (406)994-6579 FAX

Swine nutrition and reproduction. Dr. Newman has shown that barley Beta-glucans can be added to cattle feed to produce more desirable meat products.

\* \* \* \* \*

PI: Martin, M  
 Institution: Washington State University - Prosser  
 Rt. 2, Box 2953-A (509)786-2226  
 Prosser, WA 99350-9687 (509)786-4635 FAX

Mark Martin's potato breeding project was heavily influenced by the concept of biofuel production. This may be the reason his new lines are so productive. He was able to demonstrate that some of these lines produce a tuber crop equivalent to 600 bu/acre corn in dry wt. In addition, these varieties produce a very large foliage yield - foliage on these potatoes does not die down like it does on other typical varieties - and could be used as biomass, and it could also be used as cattle feed - equivalent to alfalfa. He is retired but left a large literature review on the subject.

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## COMPOSTING

PI: Rendell, G  
 Institution: Los Angeles County Coop Extension  
 2615 S. Grand Ave., Suite 400 (213)744-4852  
 Los Angeles, CA 90007 (213)745-7513 FAX

The County of Los Angeles is providing funding for a two-year composting demonstration and education project under the direction of County Director George Rendell. Twelve composting demonstration sites are being established throughout the county. Up to 360 volunteer Master Composters will be recruited and trained by the University of California using methods and experience gained during the past 17 years as a community-based, non-formal education program. These Master Composters will provide outreach throughout the county by: (1) delivering information about backyard composting to 75 percent of households in the county's unincorporated and other targeted areas; (2) assisting residents in establishing and maintaining compost piles in at least 10 percent of households neighboring demonstration sites; and (3) monitoring current and new participants during the two-year period.

\* \* \* \* \*

PI: Laemmlen, F  
 Institution: Santa Barbara County Coop Extension  
 624 W. Foster Road (805)934-6240  
 Santa Maria, CA 93455 (805)934-6333 FAX

Franklin Laemmlen, Farm Advisor, is proposing a Tri-County Agricultural Compost Use Demonstration Project in cooperation with several agencies: private, public and University. This cooperative project will be conducted in three counties: San Luis Obispo, Santa Barbara and Ventura. A funding proposal has been submitted to use municipal green waste as a soil

supplement on agricultural land. Dr. Laemmlen will work with this group to study the effects of compost on pathogen and insect populations.

\* \* \* \* \*

PI: Tripepi, RR and Campbell, AG  
Institution: University of Idaho  
College of Agriculture (208)885-7173  
Moscow, ID 83844 (208)885-6654 FAX

Composted Kentucky bluegrass biomass as a source of organic potting mix for greenhouse utilization.

\* \* \* \* \*

PI: Rynk, R  
Institution: University of Idaho  
College of Agriculture (208)885-7173  
Moscow, ID 83844 (208)885-6654 FAX

Improved management of agricultural residues via composting.

\* \* \* \* \*

PI: Harrison, J  
Institution: Washington State University - Puyallup  
7612 Pioneer Way, East (206)840-4506  
Puyallup, WA 98371-4998 (206)840-4671 FAX

Recycled manure solids - we have conducted research on the use of recycled manure solids as a bedding source for dairy cattle. We intend to evaluate the solids as part of freestall surface. In addition, we sell excess solids to a soils company.

\* \* \* \* \*

PI: Hummel, R  
Institution: Washington State University - Puyallup  
7612 Pioneer Way, East (206)840-4506  
Puyallup, WA 98371-4998 (206)840-4671 FAX

Utilization of compost.

\* \* \* \* \*

**BIOMASS FOR PAPER/WOOD PRODUCTS**

PI:                    Better, DR  
 Institution:        Colorado State University                   (303)491-5371  
                           Fort Collins, CO 80523                       (303)491-7396 FAX

1. Assessment of the potential for short rotation tree plantations in eastern Colorado (Opportunities for Markets and Marketing Colorado Wood Products).
2. Short rotation tree plantations.

\* \* \* \* \*

PI:                    Moslemi, AA  
 Institution:        University of Idaho  
                           College of Agriculture                       (208)885-7173  
                           Moscow, ID 83844                         (208)885-6654 FAX

Use of forestry residues and by-products as a component of new composite structural and construction products.

\* \* \* \* \*

PI:                    Munson-McGee, S  
 Institution:        New Mexico State University  
                           Ag Experiment Station  
                           Box 30003, Dept. 3BF                       (505)646-3126  
                           Las Cruces, NM 88003-0008               (505)646-5975 FAX

Uses juniper chips for synthetic lumber.

\* \* \* \* \*

PI:                    Young, B and Chastain, T  
 Institution:        Oregon State University  
                           Crop and Soil Science Department  
                           Crop Science Building 127                   (503)737-2771  
                           Corvallis, OR 97331

Working with the grass seed industry and Weyerhaeuser on use of grass straw for paper production.

\* \* \* \* \*

PI: Knapp, S and Karow, R  
 Institution: Oregon State University  
 Crop and Soil Science Department  
 Crop Science Building 451C (503)737-2964  
 Corvallis, OR 97331

Working on use of flax and similar crops in fiber production.

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PI: Heilman, P  
 Institution: Washington State University - Puyallup  
 7612 Pioneer Way, East (206)840-4506  
 Puyallup, WA 98371-4998 (206)840-4671 FAX

In a joint UW/WSU effort, hybrid species of cottonwoods and poplars have been selected and bred for fast growth and high productivity. As cultivars were developed, associated research was begun to determine appropriate cultural practices. Extensive field studies were conducted to establish optimal planting density, rotation length and nutrient applications. Continuing studies are under way to further refine the technology of short rotation culture of hybrid poplars.

\* \* \* \* \*

PI: Chastagner, G  
 Institution: Washington State University - Puyallup  
 7612 Pioneer Way, East (206)840-4506  
 Puyallup, WA 98371-4998 (206)840-4671 FAX

Hybrid poplar plantations show great promise as a renewable source of biomass for high quality paper production. The University of Washington/Washington State University Poplar Productivity Program has produced and tested hybrids of native black cottonwood with eastern cottonwoods that grow quickly and are resistant to native leaf rusts. Approximately 10,000 acres of these hybrid trees are being grown commercially along the lower Columbia River and another 22,000 acres are being planted in the Columbia Basin. In 1991, two exotic leaf rusts able to attack commercially important clones were detected. These rusts can reduce yields and weaken trees. A quarantine on materials known to be infected by one of the rusts was put in place by USDA-APHIS.

\* \* \* \* \*

PI: McKean, B  
 Institution: Washington State University - Puyallup  
 7612 Pioneer Way, East (206)840-4506  
 Puyallup, WA 98371-4998 (206)840-4671 FAX

Craig Cogger is a team member evaluating wheat straw for paper pulp. Involved with the land application of the residue. Bill Pan and Dan Sullivan have the WSU leads. Bill McKean from UW leads the engineering part, and Industra, Inc. is the project leader. Craig Cogger's role is small, and we will only pursue this if funded.

\* \* \* \* \*

PI: Evans, D  
 Institution: Washington State University - Prosser  
 Rt. 2, Box 2953-A (509)786-2226  
 Prosser, WA 99350-9687 (509)786-4635 FAX

Growth of hybrid poplar for paper production.

\* \* \* \* \*

### **TROPICAL BIOMASS (HI)**

PI: Phillips, VD, HITAHR Assistant Director  
 Institution: University of Hawaii at Manoa  
 Dept. of Biosystems Engineering  
 Honolulu, HI 96822

1. Genetic characterization of tropical hardwoods.
2. GIS/biomass economics and biomass systems integration.
3. Biomass energy systems management.
4. Renewable energy resource assessment project of the Hawaii Energy Strategy: Biomass Resources.
5. Development of a forestry liaison office at the College of Tropical Agriculture and Human Resources.

\* \* \* \* \*

PI: Fownes, JH; Associate Professor  
 Institution: University of Hawaii at Manoa  
 Dept. of Agronomy and Soil Science  
 Honolulu, HI 96822

1. Why does forest growth decline with stand age: an experimental test of carbon acquisition and allocation over stand development.



2. Water- and light-use efficiency of *Acacia koa* under natural and induced drought.
3. Processes affecting sustainability in forestry and agroforestry systems.
4. Improved nitrogen management of alleycropping with nitrogen-fixing trees.
5. *Koa* growth modeling and economic analysis.

\* \* \* \* \*

PI: Ikawa, H; Professor  
 Institution: University of Hawaii at Manoa  
 Dept. of Agronomy and Soil Science  
 Honolulu, HI 96822

1. Effect of climate and soil factors on tropical forest tree species establishment and growth.
2. Adaptability and site requirements of *Acacia* on Oahu, Hawaii.

\* \* \* \* \*

PI: Yost, RS; Professor  
 Institution: University of Hawaii at Manoa  
 Dept. of Agronomy and Soil Science  
 Honolulu, HI 96822

Agroforestry research on the island of Oahu, Hawaii.

\* \* \* \* \*

PI: Singleton, PW; Associate Professor  
 Institution: University of Hawaii at Manoa  
 Dept. of Agronomy and Soil Science  
 Honolulu, HI 96822

Host-rhizobial relationships in leguminous tree symbiosis.

\* \* \* \* \*

PI: Brewbaker, JL; Professor  
 Institution: University of Hawaii at Manoa  
 Dept. of Horticulture  
 Honolulu, HI 96822

1. Nitrogen-fixing trees.
2. Genetic improvement of tropical N-fixing trees.

\* \* \* \* \*

PI: Antal, MJ; Professor  
Institution: University of Hawaii  
School of Ocean and Earth Science and Technology  
Honolulu, HI 96822

1. Pyrolytic gasification.
2. Solvolytic pretreatment.

\* \* \* \* \*

PI: Kinoshita, CM  
Institution: University of Hawaii  
School of Ocean and Earth Science and Technology  
Honolulu, HI 96822

1. Catalytic gasification.
2. Fuel nitrogen in gasification.

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## APPENDIX I

**WDA AGENDA BRIEF**

**Meeting Date:** July 18-20, 1994

**Agenda Item:** 11.0

**Presenter:** R. D. Heil

**Agenda Item Title:** Executive Director Report

**Background Information:** \_\_\_\_\_

Major activities in the Executive Director's Office since the Spring meeting have included:

1. Follow up on Western Directors request to develop process for "getting new AA's started." (Recommendations for this are attached.)
2. Continued development of a "Western Regional Research Portfolio." Plans are to finalize this by our fall meeting.
3. Public Lands Task Force—efforts on this have culminated in a "needs paper" which was presented to the Western Deans for discussion at this summer meeting.
4. ESCOP FY96 Budget Development Committee activities.
5. NASULGC FY96 Budget Committee
6. ESCOP FY95 Budget Strategies Subcommittee
7. Prepared background materials for both the "Linkages Subcommittee" and "Biofuels Subcommittee."
8. ESCOP FY97 Budget Development Committee
9. SARE/ACE—serving as Chair of Regional Administrative Council.
10. NSAAC (National Sustainable Agriculture Advisory Council—USDA). Appointed to this council as ESCOP liaison.
11. ESCOP Telecommunications Subcommittee. Developed plans for ESCOP—USDA cooperation in serving ESCOP needs.
12. ARI—continue to serve on Board of Directors.
13. Revision of *Western Supplementary Manual for Regional Research*.
14. Assisted Chair in making contacts regarding Senate action on FY95 Rangeland budget line.

Travel on behalf of the Association has included:

April 4-9—PBAG Administrative Council meeting in Honolulu, HI  
 April 13-15—ESCOP FY96 Budget Development Committee in Washington, DC  
 April 16—NASULGC Board on Agriculture Budget Committee in Washington, DC  
 April 19-20—ESCOP Meeting in Washington, DC  
 \*May 9-10—Committee of Nine Meeting in Washington, DC  
 May 17-18—CSRS New Directors Workshop in Washington, DC  
 \*June 1-4—NSAAC Meeting in Washington, DC  
 June 6-8—ESCOP Leadership Development Short Course in Arlington, VA  
 \*June 12-14—SARE/ACE Administrative Council in Portland, OR

June 29-30—NASULGC Board on Agriculture Budget Committee in Washington, DC

\* Expenses covered from other sources

In an earlier correspondence we indicated that the offices of the Colorado Agricultural Experiment Station will vacate our offices for the period of August 5 through August 27 (approximate). We will move to a temporary location during this time and will let you know telephone numbers, etc. as soon as plans are finalized.

Action Requested:

See attachment.

Action Taken:

## WDA AGENDA BRIEF

**Meeting Date:** July 18-20, 1994  
**Agenda Item:** 11.0 (attachment)  
**Presenter:** R. D. Heil  
**Agenda Item Title:** New Administrative Advisor Orientation  
**Background Information:** \_\_\_\_\_

The Western Directors at the 1994 spring meeting assigned the Executive Director the responsibility to develop a training program for new administrative advisors to supplement the "CSRS - Role of Administrative Advisor" video.

Drs. H. McHugh and V. V. Volk provided the Executive Director with input that led to the following recommendations. These recommendations were developed with two goals in mind, namely to:

- C Provide new administrative advisors sufficient background and information to carry out duties and responsibilities, and
- C Provide a mechanism for all administrative advisors to be briefed and have input on a continuing basis regarding changes, issues, etc., associated with the management of regional research projects and coordinating committees.

### RECOMMENDATIONS FOR PROCEDURE AND IMPLEMENTATION

#### New Administrative Advisors

- C View and discuss with a current Administrative Advisor the CSRS video - "CSRS - Role of Administrative Advisors." Directors will have responsibility for new administrative advisors associated with their respective stations. If there is no one available at a respective station, the Office of the Executive Director will assume responsibility for assuring access to the video and opportunity for discussion.
- C New administrative advisors attend and participate in a RIC meeting. Following the RIC meeting a one-hour session, led by the Executive Director will be held to review and discuss policy, guidelines, etc. A Committee of Nine member of RIC would attend this meeting.
- C All new administrative advisors are encouraged to attend the CSRS - New Administrators Workshop.

#### On-going administrative advisor briefing, update, input

- C A session on administrative advisor briefing, update and input be made a permanent agenda item for the spring meeting of the Association. It is recommended that a 30 minute time period following the RIC report be scheduled for this activity. A panel consisting of the RIC Chair, Executive Director and CSRS representative lead a discussion on issues, changes, etc., and obtain input from Directors relative to the role and responsibilities of administrative advisors. Detailed notes from this session would be assembled by the Office of the Executive Director and distributed to all administrative advisors not in attendance as well as placed into the minutes.

**Action Requested:**

Approve the foregoing recommendations for inclusion in the *Supplementary Manual of Procedures for Western Regional Research* as an addition to Section III.D. ADMINISTRATIVE ADVISORS with the title "ADMINISTRATIVE ADVISOR ORIENTATION."

Also, it is requested that the WAAESD approve inclusion of the CSRS-Administrative Advisor checklist (copies of which are attached) as an Appendix of the *Supplementary Manual of Procedures for Western Regional Research*.

**Action Taken:**

**RECOMMENDATIONS FOR INCLUSION IN *Supplementary Manual* APPROVED.**

## APPENDIX J

RESEARCH IMPLEMENTATION COMMITTEE  
REPORT  
July 17, 1994

RIC met Sunday, July 17, 1994 at the Wedgewood Manor Hotel in Fairbanks, AK. Members present were: R. S. Pardini (Chair), R. C. Heimsch, G. A. Mitchell, L. J. Lund, V. V. Volk, R. Krebill, and E. M. Wilson (for W. D. Carlson). Others participating: G. Moller (ID), R. D. Heil (W. Executive Director) and H. Sykes (Office of the W. Executive Director).

1.0 THE FOLLOWING REGIONAL RESEARCH PROJECTS AND COORDINATING COMMITTEES *NOT MARKED WITH T OR V* ARE SCHEDULED TO TERMINATE ON OR BEFORE SEPTEMBER 30, 1994.

	W-154	Water and Carbon Economy of Plants in Relation to Rhizospheric and Atmospheric Dynamics
	W-169	Minimizing Occupational Exposure to Pesticides
V	W-171	Germ Cell and Embryo Development and Manipulation for the Improvement of Livestock
V	W-180	Identification, Behavioral Ecology, Genetics and Management of African Honey Bees
V	W-181	Regulation of Lipid Metabolism in High Producing Dairy Cattle
V	WRCC-27	Potato Variety Development
V	WRCC-37	Maximizing the Effectiveness of Bees as Pollinators of Agricultural Crops
	WRCC-40	Western Rangeland Research
	WRCC-46	Etiology, Diagnosis, Control and Treatment of Epididymitis and Foot Rot of Sheep
	WRCC-47	Climatic Data and Analyses for Applications in Agriculture and Natural Resources
V	WRCC-51	Application Technology Related to Plant Protection and Pest Management
T	WRCC-60	Science and Management of Pesticide Resistance
	WRCC-62	Decision Support Systems for Agriculture and Natural Resource Management
	WRCC-63	Rural Finance and Development in the West
	WRCC-65	Adaptive Control of Surface Irrigation Systems
V	WRCC-66	Biology and Control of the Russian Wheat Aphid
T	WRCC-67	Coordination of National Sustainable Agriculture Research and Education in the Western Region
V	WRCC-69	Coordination of IPM Research Programs for the Semiarid Regions of the Western United States
	WRCC-78	Genetic Variability in Cyst and Root-knot Nematodes of the Western Region
	WRCC-79	Grazing Animal Behavior and Nutritional Status of Domestic Ruminants
T	WRCC-80	Alternative Crops for the Western Region
V	WRCC-81	Systems to Improve End-use of Small Grains
	WRCC-82	Natural Product Chemistry as a Resource for Biorational Methods of Insect Control
	WRCC-88	Evaluation of Alfalfa Hay Quality in the Western Region

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V	Outlines/petitions/requests were received and considered; approved by the WDA
T	Outlines/petitions/requests were received and considered; require further action before approval by RIC and/or the WDA.

## 2.0 REQUESTS FOR PROJECT EXTENSIONS

None

## 3.0 REQUESTS FOR PROJECT REVISIONS

## 3.1 W-171 Germ Cell and Embryo Development and Manipulation for the Improvement of Livestock

A project outline with the above title was received from Administrative Advisor D. M. Briggs (NM).

***RIC recommends approval of revised W-171 "Germ Cell and Embryo Development and Manipulation for the Improvement of Livestock" for five years, from 10/1/94 to 9/30/99.***

(Action of WDA: ***Revision approved***)

## 3.2 W-180 Identification, Behavioral Ecology, Genetics, and Management of African Honey Bees

A project outline with the above title was received from Administrative Advisors E. H. Erickson (ARS-AZ) and C. C. Kaltenbach (AZ).

***RIC recommends approval of revised W-180 "Identification, Behavioral Ecology, Genetics, and Management of African Honey Bees" for five years, from 10/1/94 to 9/30/99.***

(Action of WDA: ***Revision approved***)

## 3.3 W-181 Modifying Milk Fat Composition for Improved Manufacturing Qualities and Consumer Acceptability

A project outline with the above title was received from Administrative Advisor R. S. Pardini (NV).

***RIC recommends approval of revised W-181 "Modifying Milk Fat Composition for Improved Manufacturing Qualities and Consumer Acceptability" for five years, from 10/1/94 to 9/30/99 pending editorial changes.*** The procedures are to be more specific. Ambiguous statements are to be removed. The outline should show interdependency by states.



(Action of WDA: ***Revision conditionally approved***)

#### 4.0 REQUESTS FOR ESTABLISHMENT OF NEW PROJECTS

##### 4.1 NRSP- National Weather and Climate Information System for Agriculture and Natural Resources Research

A request for establishment of an NRSP with the above title was received from W. R. Woods (CSRS). The proposal follows an earlier preproposal which was approved by three of the four regional associations.

***RIC recommends rejection of NRSP- “National Weather and Climate Information System for Agriculture and Natural Resources Research.”***

(Action of WDA: ***Rejection approved***)

##### 4.2 W- Water Conservation, Competition and Quality in Western Irrigated Agriculture

A project outline with the above title was received from Administrative Advisor G. Cunningham (NM) on behalf of WRCC-90.

***RIC recommends approval of the establishment of W- “Water Conservation, Competition and Quality in Western Irrigated Agriculture” for five years, from 10/1/94 to 9/30/99.***

(Action of WDA: ***Establishment approved***)

##### 4.3 W- Natural Products Chemistry as a Resource for Biorational Methods of Insect Control

A project outline with the above title was received from Administrative Advisor R. S. Pardini (NV) on behalf of WRCC-82.

***RIC recommends approval of the establishment of W- “Natural Products Chemistry as a Resource for Biorational Methods of Insect Control” for five years, from 10/1/94 to 9/30/99.***

(Action of WDA: ***Establishment approved***)

#### 5.0 REQUESTS FOR ESTABLISHMENT OF AD HOC TECHNICAL COMMITTEES

None

## 6.0 REQUESTS FOR WRCC RENEWALS OR EXTENSIONS

## 6.1 WRCC-27 Potato Variety Development

A petition for a three-year renewal of WRCC-27 was received from Administrative Advisor H. P. Rasmussen (UT).

***RIC recommends approval of the renewal of WRCC-27 “Potato Variety Development” for three years, from 10/1/94 to 9/30/97.***

(Action of WDA: ***Renewal approved***)

## 6.2 WRCC-37 Maximizing the Effectiveness of Bees as Pollinators of Agricultural Crops

A request for a one-year extension of WRCC-37 was received from Administrative Advisors E. H. Erickson (ARS-AZ) and C. C. Kaltenbach (AZ).

***RIC recommends approval of the extension of WRCC-37 “Maximizing the Effectiveness of Bees as Pollinators of Agricultural Crops” for one year, from 10/1/94 to 9/30/95.***

(Action of WDA: ***Extension approved***)

## 6.3 WRCC-40 Western Rangeland Research

A petition for a three-year renewal of WRCC-40 was received from Administrative Advisor W. A. Laycock (WY).

***RIC recommends not to approve the renewal of WRCC-40 “Western Rangeland Research.”*** The RIC reviewer commented that the objectives of the submitted petition are identical to the previous petition. One listed participant has retired and it does not appear that all Forest Service and Experiment Stations were invited to participate. ***RIC further recommends establishment of an ad hoc WRCC- “Integrated and Ecological Rangeland Research and Management Assessment.”*** The participants in WRCC-40 are invited to perform a service to the WDA by taking the initiative to meet in the coming year as a task force to: look at issues that are most important in the entire range ecosystem; provide recommendations in setting priorities for these issues; arrange different groups to break out that may be substantially different from what we now have; and through this interaction prepare a petition or petitions for continuation of coordination of research activities.. Members of WRCC-55, WRCC-79 and WRCC-21, as well as Extension and other agencies, should also be involved.

(Action of WDA: ***Renewal of WRCC-40 not approved; Establishment of ad hoc WRCC- “Integrated and Ecological Rangeland Research and Management Assessment” approved***)

6.4 WRCC-47 Climatic Data and Analyses for Applications in Agriculture and Natural Resources

A petition for a three-year renewal of WRCC-47 was received from Administrative Advisors P. J. Wierenga (AZ) and M. H. Jensen (AZ).

***RIC recommends not to approve the renewal of WRCC-47 “Climatic Data and Analyses for Applications in Agriculture and Natural Resources.”*** RIC had the following comments to make: no accomplishments were cited; the expertise of participants was not listed; the objectives were verbatim of the previous petition and yet new objectives were listed in the section “Work Planned for Next Year.”

(Action of WDA: ***Renewal not approved***)

6.5 WRCC-51 Application Technology Related to Plant Protection and Pest Management

A petition for a three-year renewal of WRCC-51 was received from Administrative Advisors W. R. Nave (ARS-CA) and R. K. Webster (CA-S).

***RIC recommends approval of renewal of WRCC-51 “Application Technology Related to Plant Protection and Pest Management” for three years, from 10/1/94 to 9/30/97.*** RIC comments that, as the composition of the group has changed significantly from the previous petition, RIC will closely study the accomplishments at the second year review in 1996.

(Action of WDA: ***Renewal approved***)

6.6 WRCC-60 Science and Management of Pesticide Resistance

A petition for a three-year renewal of WRCC-60 was received from Administrative Advisors T. O. Holtzer (CO) and C. W. Laughlin (CO).

***RIC recommends approval of renewal of WRCC-60 “Science and Management of Pesticide Resistance” for three years, from 10/1/94 to 9/30/97 contingent on receipt of a revised objectives section.*** RIC requests that the objectives be redrafted to be concisely stated coordinating objectives.

(Action of WDA: ***Contingent renewal approved***)

6.7 WRCC-62 Decision Support Systems for Agriculture and Natural Resource Management

A petition for a three-year renewal of WRCC-62 was received from Administrative Advisors R. J. Reginato (ARS-CA) and D. E. Schlegel (CA-S).

***RIC recommends not to approve renewal of WRCC-62 “Decision Support Systems for Agriculture and Natural Resource Management.”*** The submitted petition is almost identical to the current petition. No accomplishments section was included and the personnel list is not current.

(Action of WDA: ***Renewal not approved***)

6.8 WRCC-65 Adaptive Control of Surface Irrigation Systems

A request for a one-year extension of WRCC-65 was received from Administrative Advisor L. G. James (WA).

***RIC recommends not to approve extension of WRCC-65 “Adaptive Control of Surface Irrigation Systems.”*** RIC notes that the project participation is minimal based on 1993 information. Resources are inadequate for project extension based on committee records.

(Action of WDA: ***Extension not approved***)

6.9 WRCC-66 Biology and Control of the Russian Wheat Aphid (RWA)

A request for a one-year extension of WRCC-66 was received from Administrative Advisors L. O’Keeffe (ID) and G. A. Lee (ID).

***RIC recommends approval of extension of WRCC-66 “Biology and Control of the Russian Wheat Aphid (RWA)” for one year, from 10/1/94 to 9/30/95.***

(Action of WDA: ***Extension approved***)

6.10 WRCC-67 Coordination and Support for Sustainable Agriculture Research and Education in the Western Region

A petition for a three-year renewal of WRCC-67 was received from Administrative Advisor D. E. Schlegel (CA-S).

***RIC recommends deferral of renewal of WRCC-67 “Coordination and Support for Sustainable Agriculture Research and Education in the Western Region.”*** The petition did not include a list of participants and no accomplishments were cited.

(Action of WDA: ***Deferral of renewal approved***)

6.11 WRCC-69 Coordination of Integrated Pest Management Research & Extension Programs for the Semiarid Regions of the Western US

A petition for a three-year renewal of WRCC-69 was received from Administrative Advisor B. J. Jacobsen (MT).

***RIC recommends approval of extension of WRCC-69 “Coordination of Integrated Pest Management Research & Extension Programs for the Semiarid Regions of the Western US” for one year, from 10/1/94 to 9/30/95.*** RIC notes that the petition as submitted does not fit the definition of a WRCC. From the information presented, it is clear that the WRCC supports the IPM program in the West by performing a review function. RIC questioned whether the WRCC functions only in that capacity. It appears the membership changes in accordance with awardees of IPM grants and that the participants may be those that receive IPM awards. If they are also performing the review function, there might be a conflict of interest. The WRCC committee is requested to clarify their function. RIC further requests Directors to make appointments to the committee which do not change from year to year.

(Action of WDA: ***Extension approved***)

6.12 WRCC-79 Grazing Behavior and Nutritional Status of Domestic Ruminants

A petition for a three-year renewal of WRCC-79 was received from Administrative Advisor L. J. Koong (OR).

***RIC recommends not to approve renewal of WRCC-79 “Grazing Behavior and Nutritional Status of Domestic Ruminants.”*** Given all the issues the West is facing with respect to rangeland, grazing and public land issues, RIC is requesting help from the group. It is hoped the group will participate with representatives from WRCC-55, WRCC-21 and WRCC-40 and lend their expertise to the ad hoc WRCC- “Integrated and Ecological Rangeland Research and Management Assessment” (see agenda item 6.3).

(Action of WDA: ***Renewal not approved***)

6.13 WRCC-80 Alternative Crops for the Western Region

A petition for a three-year renewal of WRCC-80 was received from Administrative Advisors L. A. Daugherty (NM) and G. Cunningham (NM).

***RIC recommends deferral of renewal of WRCC-80 “Alternative Crops for the Western Region” until focused objectives are presented and the text of the petition is changed so that it is not the same as the current petition.***

(Action of WDA: ***Deferral of renewal approved***)

6.14 WRCC-81 Systems to Improve End-Use Quality of Wheat

A petition for a three-year renewal of WRCC-81 was received from Administrative Advisors A. A. Betschart (ARS-CA) and W. Gardner (CA-B).

***RIC recommends approval of renewal of WRCC-81 “Systems to Improve End-Use Quality of Wheat” for three years, from 10/1/94 to 9/30/97.***

(Action of WDA: ***Renewal approved***)

7.0 REQUESTS FOR ESTABLISHMENT OF NEW OR AD HOC WRCC'S

7.1 WRCC- Nutrient Management and Soil Fertility

A petition for establishment of a coordinating committee with the above title was received from Directors J. V. Drew (AK) and K. R. Farrell (CA-S).

***RIC recommends not to approve establishment of WRCC- “Nutrient Management and Soil Fertility.”*** RIC notes that most of the listed participants are likely members of the Soil Science Society of American, Division S-4, Soil Fertility. That forum would seem to be more useful to discuss research results and set standards for soil analyses.

(Action of WDA: ***Establishment not approved***)

7.2 WRCC- Assessing the Chinese Market for US Agricultural Products

A petition for establishment of a coordinating committee with the above title was received from Directors J. R. Carlson (WA) and T. R. Dutson (OR).

***RIC recommends establishment of WRCC-101 “Assessing the Chinese Market for US Agricultural Products” for three years, from 10/1/94 to 9/30/97.***

(Action of WDA: ***Establishment approved***)

## 8.0 FOLLOW-UP OF AD HOC TECHNICAL AND COORDINATING COMMITTEES

None

## 9.0 ADMINISTRATIVE ADVISOR ASSIGNMENTS

The following Administrative Advisor assignments are made, pending acceptance by the designated individuals.

- 9.1 W-185 “Biological Control and Pest Management Systems of Plants” — C. W. Laughlin (CO) to replace B. J. Jacobsen (MT).
- 9.2 WRCC-67 “Coordination and Support for Sustainable Agriculture Research and Education in the Western Region” — J. J. Jacobs (WY) to replace D. E. Schlegel (CA-S).
- 9.3 WRCC-69 “Coordination of IPM Research Programs for the Semiarid Regions of the Western United States” — T. McCoy (MT) to replace B. J. Jacobsen (MT).
- 9.4 WRCC-81 “Systems to Improve End-Use Quality of Wheat” — R. Witters (OR) to replace A. Betschart (ARS-CA).
- 9.5 WRCC-89 “Potato Virus Disease Control” — R. C. Heimsch (ID) to replace B. J. Jacobsen (MT).
- 9.6 WRCC-101 “Assessing the Chinese Market for US Agricultural Products” — V. McCracken (WA) to serve as Administrative Advisor.
- 9.7 ad hoc WRCC- “Integrated and Ecological Rangeland Research and Management Assessment” — G. Cunningham (NM) to serve as Administrative Advisor.

## 10.0 SECOND AND FOURTH-YEAR REVIEWS OF REGIONAL PROJECTS AND COORDINATING COMMITTEES

**THE FOLLOWING PROJECTS AND COORDINATING COMMITTEES APPEAR TO BE PROGRESSING SATISFACTORILY WITH GOOD PUBLICATION RECORDS, ADEQUATE RESOURCES AND/OR PARTICIPATION, AND THE COMMITTEES ARE FOLLOWING THEIR STATED OBJECTIVES :**

SECOND YEAR REVIEWS			
NO.	TITLE	ADVISOR	REVIEWER
NRSP-3	The National Atmospheric Deposition Program-Long Term Monitoring .....Atmospheric Chemical Deposition	Laughlin	Heimsch

<b>SECOND YEAR REVIEWS</b>			
<b>NO.</b>	<b>TITLE</b>	<b>ADVISOR</b>	<b>REVIEWER</b>
NRSP-6	Introduction, Preservation, Classification, Distribution and Evaluation of Solanum Species	Volk	Mitchell
W-122	Improve Food Safety Through Discovery and Control of Natural and Induced Toxicants	Heimsch	Pardini
W-133	Benefits and Costs in Natural Resource Planning	Bell	Krebill
W-176	Housing Transitions of the Maturing Population: Consequences for Rural/Nonmetro. Communities.....	Helmick	Carlson/ Wilson
W-185	Biological Control and Pest Management Systems of Plants	Jacobsen	Volk
WRCC-020	Virus and Virus-Like Diseases of Fruit Crops	Nelson	Lund
WRCC-039	Increased Efficiency in Sheep Production and Marketing of Lamb and Mutton	Ax	Carlson/ Wilson
WRCC-043	Management of Codling Moth and Related Moths in the Orchard Ecosystem	Long	Krebill
WRCC-084	Community, Institutional Change and Migration in Rural America	McCracken	Volk
WRCC-085	Molecular Detection of Phytopathogens	Seemann	Heimsch
WRCC-086	Postharvest Technology and Quarantine Treatments for Insect Control in Fruits and Vegetables	Rasmussen	Lund
WRCC-089	Potato Virus Disease Control	Jacobsen	Krebill

<b>FOURTH YEAR REVIEWS</b>			
<b>NO.</b>	<b>TITLE</b>	<b>ADVISOR</b>	<b>REVIEWER</b>
W-150	Genetic Improvement of Beans ( <i>Phaseolus vulgaris</i> L.) for Yield, Pest Resistance, and Value	Rasmussen	Heimsch
W-182	Dietary Fat and Fiber: Knowledge, Perceived Risk, and Dietary Practices	McHugh	Johnson

**RIC HAS SPECIFIC COMMENTS TO MAKE CONCERNING THE FOLLOWING PROJECTS AND COORDINATING COMMITTEES :**



<b>SECOND YEAR REVIEWS</b>			
<b>NO.</b>	<b>TITLE</b>	<b>ADVISOR</b>	<b>REVIEWER</b>
W-143	Nutrient Bioavailability - A Key to Human Nutrition	Brown	Johnson
<p>The committee is encouraged to continue to emphasize the importance of protecting human subjects and their rights, especially in experiments involving the use of labelled isotopes on human subjects. The uniform clearance procedure for experimental protocols on human subjects should be implemented as soon as possible. Institutional Review Boards should adhere to a uniform policy that conforms to the provisions of the Animal Welfare Act.</p>			
W-177	Domestic and International Marketing Strategies for U.S. Beef	Dutson	Lund
<p>No reports were submitted for 1993. RIC questions why the January 1994 meeting was held in Hawaii when there are no participants listed from that state. RIC recommends that the project be subjected to a third year review in 1995 and without reported substantive progress be terminated in 1995.</p>			
WRCC-055	Rangeland Resource Economics	Nelson	Mitchell
<p>There were a number of references made in the meeting minutes and Administrative Advisor's Evaluation related to symposia proceedings and forthcoming publications by the committee. However, minutes of the October 1993 meeting indicated inadequate response by members of the committee to publish proceedings. There was no evidence of publications listed in the 1992 or 1993 reports. RIC recommends the committee address the issue of publication and technology transfer at their annual meeting in October 1994. Also recommend the committee give consideration to the request from the WDA to provide input to western Deans and Directors on public lands issues.</p>			
WRCC-072	Agribusiness Research Emphasizing Competitiveness	Robbins	Carlson/ Wilson
<p>The objectives are extremely broad and essentially encompass about any topic the committee wishes to raise regarding the economics of production or marketing, including policy. If the committee submits a renewal petition, the objectives should be focussed and achievable during the life of the petition.</p>			
WRCC-083	Youth at Risk in Western States	Leigh	Pardini
<p>RIC is concerned that the committee is having marginal participation and weak support.</p>			
WRCC-087	Sweetpotato Whitefly	Vaux	Johnson
<p>There is no evidence to support the occurrence of the scheduled follow-up meeting that was intended as a recorded part of the Summary of the first WRCC-87 meeting. In view of the low attendance (5 members and 6 guests) at the first meeting, there is some concern over the level of communication that may result from future meetings. There are no reports of publications resulting from the research activities to this point.</p> <p>The stated objectives of WRCC-87 include the facilitation of information exchange and coordination of activities between SAES, CSRS, ARS, APHIS, and ES, and to expand communications with other states and countries working on SPWF. In addition to the research activities that are underway, documentation needs to be made to show that activities under objectives 2 and 4 are being conducted at levels wider than that of national headquarters. As this project continues, documentation needs to be made of the transferrable technologies that are implemented at the farm or regional scales.</p>			
WRCC-088	Evaluation of Alfalfa Hay Quality in the Western Region	Pardini	Mitchell

<b>SECOND YEAR REVIEWS</b>			
<b>NO.</b>	<b>TITLE</b>	<b>ADVISOR</b>	<b>REVIEWER</b>
The committee has not met or offered any report on accomplishments of objectives or participation since the committee was established. <i>RIC recommends termination of WRCC-088 effective 9/30/94.</i> Action of WDA: <i>Termination approved.</i>			
WRCC-090	Water Conservation and Water Quality in Western Irrigated Agriculture	Cunningham	Volk
The committee met in February and October 1993. The initial petition indicates a one-year project while the petition was approved for three years. No information on committee activity was available. RIC recommends termination unless reports for previous meetings are submitted.			

## 11.0 OTHER BUSINESS

### 11.1 Changes in *Supplementary Manual for Western Regional Research*

RIC discussed changes in the *Supplementary Manual for Western Regional Research* that have resulted due to the one-stage Committee of Nine regional project review process; the advent of NRP and NRSP projects; and the changes recommended by the WDA with regard to WRCC petition development.

### 11.2 C/9 Interface with RIC

Volk and Pardini, the representatives of RIC/WDA to the Committee of Nine, discussed their roles with RIC and the Committee of Nine as a result of the changes required by the one-stage Committee of Nine review process.

### 11.3 Structure of RIC (what is the 5-year term structure)

RIC established the structure of the five-member/five-year term RIC membership and identified the mechanics of RIC chairmanship and Committee of Nine participation.

### 11.4 Extension participation in RIC

As the WDA has approved participation by Extension in RIC and in regional research projects and coordinating committees, Extension will be requested to identify a representative to serve on RIC in 1995.

**WRA Agenda Brief****July 18-21, 1994****Agenda Item # 13.0****Submitted by Walter Woods****Presenter E. M. Wilson****Agenda Title: Regional Research Report**

**Background Information:** A number of items passed by the Committee of Nine should be communicated to the Regional Associations either for information or input.

1. The Committee of Nine encouraged the Regional Associations to develop regional priorities and develop a process to correlate regional portfolios to regional priorities.
2. Committee of Nine encouraged the technical committees to invite extension personnel where appropriate to attend annual meetings to enhance dissemination of information. Directors were encouraged to discuss the interactions of extension and regional research to enhance dissemination of information at their annual Regional Research / Extension Directors Meeting.
3. "Outcome Expectations" should become part of the research process and input from the Regional Associations is requested in order to have a recommendation for the September Committee of Nine meeting. CSRS and Committee of Nine request input on the following item from Regional Associations:
  - a. It is proposed that a section be added to the regional project outline that asks for the outcomes that are expected from the research and how the committee plans to enhance the application of the research finding (technology transfer).
4. Committee of Nine and CSRS request input on Regional Research Manual changes from the Regional Associations on the recommendation that in the fourth and fifth year of a project that a one paragraph statement should be required. The paragraph should be prepared in a manner suitable for sharing with news organizations. The paragraph should contain what was done, why it was done, who did it, what the benefits were, and who will benefit. It should be written in language easily understood by the general public.
5. Committee of Nine recommended and CSRS endorse the following actions.
  - A. The evaluation and approval process for Regional Projects (copy attached).
  - B. Directors / Department Heads and Scientists should discuss the contributing

- project and resources available prior to scientist participation in RRF projects.
- C. The focus of the research objectives should be very specific with the understanding that during the life of the project and available resources there is a high probability of accomplishing the objectives.
  - D. There should be an up-front recommendation by AES Directors on the operating budget allocated to each new regional project. Proposed RRF projects should include anticipated resources to support scientists participation. Travel to the annual meeting and some operating funds is the minimum that should be recommended by each station.
  - E. Each station should provide a minimum of one-tenth SY per project with a minimum of two-tenths preferred on each regional project.
  - F. During project development and execution the technical committee should explore opportunities for extramural support.
  - G. That over the long term, better funding for regional research should occur. Each station director is encouraged to develop a plan to increase flexibility and availability of RRF for targeting high-priority regional and national issues. This plan may include, but not be limited to, consolidating projects, reducing the number of project participants, and seeking additional sources of funding.
6. A number of items need input and consideration by the Regional Associations from recommendations by the Regional Association Representatives.
- A. There is a need to involve more disciplines in the design and execution of complex research projects.
  - B. The policy of sending one scientist per station is detrimental to the multiple scientist or discipline participation in multidisciplinary regional research.
  - C. Training for Administrative Advisors is of continuing concern with the rapid turn over in station directors. How should the training of Administrative Advisors be handled since all Directors do not attend Regional Association Meetings?
  - D. Participation by non AES and private sector scientists should be encouraged. How do we increase participation by others in regional projects?

Action Requested: Input into items 3, 4, and 6 A, B, C, &D.

Action Taken:



United States  
Department of  
Agriculture  
JUL 5 1994

Cooperative  
State Research  
Service

Regional Research

Aerospace Building  
Suite 346  
Washington, D.C.  
20250-2230

SUBJECT: Actions Requested by Committee of Nine

TO: Directors, State Agricultural Experiment Stations  
Chairpersons, Regional Association of Directors  
Chairpersons, Regional Research/Technical Committees  
Executive Directors  
CSRS Representatives

At their May 10-12, 1994 meeting, the Committee of Nine made several recommendations to CSRS on strategies to strengthen the Cooperative Regional Research Program. The following discussions became MOTIONS which resulted in actions needed by individual State agricultural experiment station directors, Regional Association Chairs, Technical Committee Chairs, Executive Directors, and CSRS Representatives. A review of the May 10-12 C/9 Minutes prior to, or in conjunction with, reviewing the following recommendations will perhaps better enhance understanding and comprehension which led to the MOTIONS. Appropriately, these actions are listed below:

#### Directors, State Agricultural Experiment Stations

MOTION: Encourage discussions and interaction with extension and regional research to enhance dissemination of information at their annual Regional Extension/Research Directors meeting.

MOTION: Director/Department Head and Scientist discuss the contributing project and resources available prior to scientist participation in a RRF project.

MOTION: An up-front recommendation by Directors on the operating budget allocated to each new regional project. Proposed RRF project should include anticipated resources to support scientists participation. Travel to the annual meetings and some operating funds is the minimum that should be recommended by each Station.

MOTION: Each station should provide a minimum of one-tenth SY per project with a minimum of two-tenth preferred on each regional project.

MOTION: Over the long term better funding for regional projects should occur. Each Station Director is encouraged to develop a plan to increase flexibility and availability of RRF for targeting high-priority regional and national issues. This plan may include, but not limited to, consolidating projects; reducing the number of project participants, and seeking additional sources of funding.

#### Regional Associations

MOTION: Committee of Nine encourages the Regional Associations to develop regional priorities and to develop a process to correlate regional portfolio to regional priorities.

MOTION: "Outcome Expectations" become a part of the research process and, after Regions have solicited for input and any changes made, these recommendations be incorporated into the Manual for Cooperative Regional Research.

### Regional/Technical Committees

**MOTION:** Focus of the research objectives should be very specific with the understanding that during the life of the project and available resources there is a high probability of accomplishing the objectives

**MOTION:** In order to enhance dissemination of information, technical committees for RRF projects should encourage the participation of extension personnel by inviting them to attend annual meetings when appropriate.

**MOTION:** During project development and execution the Technical Committee should explore opportunities for extramural support.

### Executive Directors

**MOTION:** Committee of Nine endorsed the need for timely reporting and will ask the Executive Directors to help in encouraging and submitting all reports by SAES by established deadlines.

### CSRS Representative

**MOTION:** Minor changes be made to the draft "Role of CSRS Representatives to Regional Research Fund (RRF) Projects."

In addition to those motions specifically highlighted for individuals and/or groups as indicated above, there were two **MOTIONS** passed which are directed for the **entire regional research networking system:**

1. **MOTION:** The "Evaluation and Approval Process for Regional Research" is recommended for approval, as modified, and to be included in the Manual for Cooperative Regional Research.

2. **MOTION:** "Standard Response Period for Reviewing and Responding to RRF Projects' Form 89" is recommended for approval.

**CSRS concurs with these recommendations and approves immediate implementation, as appropriate.** Please let us know if further information or clarification is needed.



WALTER R. WOODS  
Executive Secretary  
Committee of Nine

cc:  
Committee of Nine

## APPENDIX L

## WDA AGENDA BRIEF

Meeting date: July 18-20, 1994  
Agenda item: 19.1  
Presenter: Helen McHugh  
Agenda item title: Regional Rural Development Centers

**Background Information:**

A follow-up to the January meeting (reported at the March meeting of the WAAESD) of representatives from the Boards of Directors and Advisory Committees of the four regional rural development centers was held in Washington, D.C. in late June. The agenda was designed to pursue further strategies for enhancing resources for the regional centers. Prior to the meeting preliminary discussions had been held with Karl Stauber, Deputy Undersecretary for Programs -- Small Communities and Rural Development. Mr. Stauber had planned to meet with the group; however, in his stead was Mike Dunn -- Administrator of Farmers Home Administration and Acting Deputy Undersecretary for Operations -- Small Communities and Rural Development.

Following discussions with Mr. Dunn and with administrators from both CSRS and ES, it was felt previous work of the regional centers is applicable to the needs of other units within USDA with assigned responsibilities related to rural and community development. These other units are under pressure to show results consistent with the requirements of S.20 on performance objectives. The regional centers need additional resources to implement programs. CSRS can be the necessary vehicle for handling a collaborative agreement.

Thus, the directors of the regional centers are preparing a proposal for demonstration activities in the rural/community development area. The intent would be to "shop" other agencies within USDA for matching funds to undertake the endeavors. The proposal would contain a component for assessing the value of the endeavor(s). This is seen as an alternative to the proposal for additional appropriations which are judged to have little probability of being realized, given the current fiscal climate. The outcomes could be beneficial to both the regional centers and to the cooperating agencies; results might contribute to the administration's goals related to rural development.

**Action Requested:**

For your information.