

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

Washington, D.C.

November 11, 1987

SUMMARY OF ACTIONS

November 11, 1987

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3. Approved Boyd to schedule a workshop in 1988 for new department chairs	7
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5. Approved adjournment of meeting	10

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WESTERN ASSOCIATION OF
AGRICULTURAL EXPERIMENT STATION DIRECTORS

MINUTES

November 11, 1987
J. W. Marriott Hotel
Washington, D.C.

ATTENDANCE:

Alaska	J. V. Drew	Nevada	S. A. Wallace
	G. A. Mitchell	Oregon	T. R. Dutson
American Samoa	P. Tauiliili		L. J. Koong
Arizona	E. G. Sander	Utah	C. E. Clark
	G. W. Ware	Washington	J. J. Zuiches
California	D. E. Schlegel		D. L. Oldenstadt
Colorado	R. D. Heil	Wyoming	C. C. Kaltenbach
	H. F. McHugh	WDAL	L. L. Boyd
Guam	J. L. Demeterio	OWDAL	H. A. Sykes
Hawaii	N. P. Kefford	CSRS	W. D. Carlson
Idaho	G. A. Lee		H. Binger
	R. C. Heimsch	NASULGC	D. Stansbury
Montana	J. R. Welsh		

1.0 Call to Order

Chairman Oldenstadt called the meeting to order at 8:00 a.m. on Wednesday, November 11, 1987.

2.0 Introductions and Announcements

The attendees introduced themselves.

3.0 Adoption of Agenda

The motion was made and seconded to adopt the agenda as presented. MOTION CARRIED. A copy of the agenda is included as Appendix A, p. 11.

4.0 Approval of Minutes of July 22-23, 1987 Meeting

Sykes reported that the ARS report on pages 5-6 had three errors: (1) page 5 - the ARS report was presented by W. H. Tailent; (2) page 5 - last sentence should read "Previously, the associate area directors were not in the senior executive service."; (3) page 6 - last sentence of fifth paragraph should read "ARS generally does not patent germplasm and cultivar releases while universities seem to be moving toward giving patent licenses." The motion was made and seconded to approve the minutes as corrected. MOTION CARRIED.

5.0 Interim Actions by the Chair/Executive Committee Report

Oldenstadt reported on the Executive Committee discussion regarding concern that Administrative Advisors of WRCCs need some contact with the director's offices in each of their states with regard to the procedures to follow for the WRCCs. Some of the concerns expressed relate to the turnover of department chairmen who could serve as Administrative Advisors of WRCCs. Perhaps they don't have adequate guidance with regard to proper procedures. The Executive Committee recommends that the WDA implement the same procedure for WRCCs that is used for ARS, FS and ERS advisors; namely, the concept of the co-advisor. The Administrative Advisors who are department chairs will work with the director's office in their respective states with regard to the formal paperwork, reporting and the travel authorization to make sure that there is good coordination on procedures.

McHugh suggested that the WDA conduct a workshop for orientation of new administrative advisors. The possible workshop will be discussed in Agenda item 13.3.

6.0 Treasurer's Report

The Treasurer's Report is included as Appendix B, pp. 12-13. Welsh reported that there will not be an assessment for the Western Directors' Special Account because there is a balance of approximately \$15,000 in the account. The assessment for the Director-at-Large Account for next year will be approximately \$90,000.

Boyd explained that the Director-at-Large funds are combined with the off-the-top funds from W-106. The most major item is salaries, with travel as the second. There are other expenditures such as telephone, postage, copying, printing, software, and equipment for a total office operating budget of approximately \$150,000.

Welsh reported that the expenditure in 1987 of \$12,999 from the Director-at-Large Account was a special assessment approved by the WDA for development of the ESCOP document on Guidelines for Animal Care.

The Western Directors' Special Account was established to cover travel expenses for representatives to ESCOP, ESCOP Interim, ESCOP Budget Subcommittees, and the ESCOP Special Initiatives Subcommittee. All other travel is to be paid by the individual representatives' states. Due to the heavy amount of travel for Kaltenbach as Chair of ESCOP, the Executive Committee approved that his ESCOP related travel during 1987 be reimbursed from the Special Account.

7.0 CSRS Report

The CSRS Administrator's Report was distributed by W. D. Carlson on behalf of J. P. Jordan and is included as Appendix C, pp. 14-17.

8.0 ARS Report

No report was presented.

9.0 DAL Report

Boyd distributed the DAL Report which is attached as Appendix D, pp. 18-29. Also included are summaries of the rankings of the 1987 Research Initiatives, which will be used by the ESCOP Research Planning and Evaluation Subcommittee, and information on the Dupont Agricultural Products Division.

10.0 Selection of WAAESD Nominees for USDA Awards

Boyd reported that nine candidates had been nominated for the 1988 USDA Honors Awards: Gary Bloomquist, Nevada; George Georghiou, California-Riverside; Charles Gerba, Arizona; Warren Kronstad, Oregon; John Casida, California-Berkeley; Takumi Tsuchiya, Colorado; Clarence Ryan, Washington; James Brewbaker, Hawaii; and Charles Hess, California-Davis. The Executive Committee ranked the top three research scientists as: Ryan, Kronstad, and Casida; and proposed that the USDA accept an additional nomination of Hess as an administrator. The three nominations will be forwarded to CSRS before the December 10, 1987 deadline.

Oldenstadt stated that the members of the Executive Committee felt that all of the candidates were of uniform high quality.

11.0 Reports by Representatives to:

11.1 ESCOP

Kaltenbach distributed the following report concerning ESCOP activities:

A brief summary of ESCOP activities during the past year was presented in the chairman's report to the experiment station section yesterday. All of you should have received a copy of that report and I will not attempt to repeat it here.

I would like to take this opportunity to thank the western directors for their support during the past year. This support came in many different forms, including your personal time and effort, a considerable amount of Lannie's time and effort, and additional travel out of the special fund. All forms of support were most helpful and appreciated. It was a privilege to serve you during the past year. Again, I thank you.

Kaltenbach reported that, in the 1985 Farm Bill, there was some legislation that allowed Extension to perform research. There has been some concern, more on the Extension side, that there was no quality control mechanism for that. ESCOP and ECOP have developed a

document to address the problem of quality control. The document basically says that personnel from Extension doing research should participate in the Experiment Station process. In other words, they should have an Experiment Station project so that it does have review and quality control. Conversely, if Experiment Station personnel are doing Extension type of work, it should go through the Extension planning process.

ECOP and CARET have already adopted the document and ESCOP is expected to adopt it. As soon as minor editorial changes are made, it will be distributed.

11.2 ESCOP Research Planning Subcommittee

Clark distributed the ESCOP Research Planning Subcommittee Report which is attached as Appendix E, pp. 30-32.

11.3 ESCOP Special Initiatives Subcommittee

Heil distributed the ESCOP Special Initiatives Subcommittee Report which is included as Appendix F, pp. 33-34.

11.4 FY1988 ESCOP Budget Subcommittee

Schlegel reported that the Water Quality and Competitive Grants sections were included as the number one priority for the FY88 Budget. McIntire-Stennis funding could be doubled. Low Input Agriculture may receive some funding.

11.5 FY1989 ESCOP Budget Subcommittee

Heil reported that the FY1989 Budget booklet has been distributed. Once the budget has been completely developed, there is some concern about whether the right kind of contacts are being made in Congress. A committee may be appointed by ESCOP to "sell" the budget to the House and Senate Budget Committees.

11.6 FY1990 ESCOP Budget Subcommittee

Zuiches reported on two items that the FY1990 Budget Subcommittee discussed at their meeting: (1) the strategy of a "sales" or "campaign" committee to help, once the numbers are set, implement the budget with Congress; (2) the question of "rolling over" the funds that are not appropriated in one budget year into the next budget year.

ESCOP will be approached for suggestions of strategies for the FY1990 Budget Subcommittee to take.

The FY1990 Budget will follow the FY1989 Budget in cross referencing the source of funds against the Planning Subcommittee initiatives. All of the justifications for the funding requests will be tied to the substantive planning initiatives and special initiatives. The

FY1990 Subcommittee will continue the three-year budget plan (the FY1990 Budget plus two years in projection). The philosophy is supported of a special committee to work with legislators and serving as point people to get the budget initiatives into the budget request and into the Congressional, OMB, and USDA budgets so that the numbers wanted appear when they come out of the OMB and the President's budget.

11.7 Committee of Nine

Schlegel distributed the report of the Committee of Nine which is included as Appendix G, p. 35.

12.0 Other Reports

12.1 Sheep Task Force

Kaltenbach distributed the following report concerning the Sheep Task Force:

The final report of the Sheep Task Force has been drafted and the executive committee is scheduled to meet November 18 to complete the document. I believe this information will be useful to all directors as they plan future research, teaching and extension programs.

12.2 Animal Care

Kaltenbach distributed the following report concerning Animal Care:

Dr. Omtvedt provided an update on the Guidelines for the Use of Agricultural Animals in Agricultural Research and Teaching yesterday and I really have nothing to add at this point. Each of us is aware of the problems facing us with regard to use of animals in research and teaching. The proposed guidelines will certainly force us to make some changes but in the long run I have to believe these changes are minimal compared to what might happen if we had not taken the initiative on this issue. I believe you are aware that the Division of Agriculture has assumed responsibility for keeping the guidelines updated. There is little doubt in my mind that the brunt of this activity will fall on the shoulders of the experiment station directors and their faculty.

12.3 Users Advisory Board

Kaltenbach distributed the report on the Users Advisory Board which is included as Appendix H, pp. 36-41.

An interpretation of data generated from the CRIS system has led some members of the UAB to believe that the Experiment Stations are not competitive. This is due to the methods used by the stations to report sources of funding. Kaltenbach requested that the Directors reevaluate their funding levels exclusive of USDA funds and send him

a statement of all appropriated funds in the following categories: (1) state; (2) federal; (3) all other dollars (contracts and grants from other than USDA, state and federal); (4) grand total.

Discussion of reporting indicated that some states do not report all state funded projects to CRIS. Carlson indicated that, if the Experiment Stations are to get full due, a policy may need to be established systemwide to report all funded projects to CRIS.

Welsh suggested that Kaltenbach take the problem to ESCOP, since the problem is a national one and request some guidance from ESCOP for standardization of reporting procedures.

12.4 Joint Council

The report on the Joint Council provided by Dewhirst is included as Appendix I, p. 42.

12.5 Aquaculture Consortium

Lee distributed the report on the Western Regional Aquaculture Consortium which is attached as Appendix J, p. 43.

12.6 ARI/NISARC

Boyd reported that the report on ARI is included in the DAL Report (Appendix D, pp. 18-29).

The next NISARC meeting is scheduled for February 9-10, 1988. The discussion topic will be international marketing - competitiveness. Copies of the agenda will be distributed to members of the WDA.

12.7 Western Biotechnology Conference

Schlegel stated that California is not scheduled to host the CSRS Biotechnology Conference as previously reported. Instead, the Conference will be held in Reno, Nevada and is tentatively planned for mid-February, 1988. The conference is intended to inform the news media and people outside the scientific community.

13.0 Leadership Training

13.1 New Directors Workshop - National

Boyd distributed the tentative agenda for the proposed ESCOP/CSRS New SAES Administrators' Workshop to be held in Denver, Colorado, April 26-27, 1988, included as Appendix K, pp. 44-45.

13.2 Leadership Program by CSRS

Boyd reported that CSRS is working on a program for administrative training titled "Excel" for which a manual is under preparation.

Zuiches indicated that the ESCOP Special Initiatives Subcommittee has appointed a subcommittee to prepare a report for CSRS on the subject of leadership training.

13.3 Possible Workshop for Department Chairs

As a follow-up to discussions about having a workshop in the Western region for new department chairs, the agenda for the Northeastern Regional Association of State Agricultural Experiment Station Research Managers' Workshop for Newly Appointed Administrators held June 1-4, 1987 was distributed and is attached as Appendix L, pp. 46-47. Invitations have been extended in the past for participants from other regions to attend the Northeastern workshop on a space available basis. Boyd stated that he would conduct a similar workshop in the West if enough interest was expressed.

The motion was made and seconded to proceed with plans to schedule a workshop in 1988 for new department chairs which would focus on research program management, teaching, extension, and familiarization with the SAES system. MOTION CARRIED.

13.4 Possible Administrative Advisors' Workshop

Boyd reported that he and Dewhirst had conducted an Administrative Advisors' workshop in Logan, UT during the 1985 WDA summer meeting. With the current schedule of a joint meeting with WCAHA, WCARET, WCES, WRI, and RIC, it would be difficult to find time for the workshop during the summer meeting.

13.5 Potential Administrators List(s)

Boyd stated that concern has been expressed about identifying new leaders for agricultural roles, and that more agricultural administrators should be nominated for presidencies and vice presidencies of universities. The OWDAL has developed a list of administrators, from the 1986-87 Directory of Professional Workers in State Agricultural Experiment Stations and Other Cooperating State Institutions which is updated with information provided by the stations, for use in nominating candidates for high-level positions.

14.0 Future Meetings

14.1 Spring WDA Meeting Plans

The Spring WDA meeting is scheduled for March 23-24, 1988 at the Holiday Inn in Las Cruces, NM. RIC will meet March 22, 1988.

14.2 Summer Meeting; Joint Meeting with Deans, Instruction, Extension and CARET

The joint summer meeting is to be in Fort Collins, Colorado, July 25-29, 1988. RIC will meet July 25; WDA will meet July 26-27; and the joint meeting will be July 28-29.

15.0 Resolutions

The motion was made, seconded and UNANIMOUSLY CARRIED to approve the following two resolutions:

Resolution #1

WHEREAS, Dr. John Patrick Jordan has completed four years as Administrator of the Cooperative State Research Service (CSRS); and

WHEREAS, Dr. Jordan has exhibited outstanding leadership in establishing CSRS and the Experiment Stations as a viable and respected entity with the United States Department of Agriculture and other federal research agencies; and

WHEREAS, Dr. Jordan has influenced the nation to focus attention toward Experiment Station purposes and accomplishments;

THEREFORE, be it resolved that the Western Association of Agricultural Experiment Station Directors expresses appreciation to Dr. John Patrick Jordan for his dynamic leadership, his dedication to the Experiment Station cause, and for his skill in creating a friendly environment in which to communicate Experiment Station business in both federal and nonfederal audiences;

BE IT FURTHER RESOLVED that the original of this resolution be sent to Dr. Jordan and a copy be made a part of the minutes of the November 11, 1987 meeting of the Western Directors Association.

Resolution #2

WHEREAS, Dr. D. L. Oldenstadt has served the Western Association of Agricultural Experiment Station Directors as Chairman for the past year;

THEREFORE, be it resolved that the Western Association of Agricultural Experiment Station Directors expresses appreciation to Dr. D. L. Oldenstadt for his excellent job in conducting the duties of his office.

16.0 Other Business

16.1 NASULGC Report

Dale Stansbury of NASULGC responded to questions from members.

Drew commented about the competition among various agencies for administrative work dealing with funding for water research and

questioned whether anything was emerging in terms of where funds would be available and under what aegis. Stansbury reported that, not only is there competition among agencies, there is competition within the Division of Agriculture community. The Division has a Water Committee that built an ESCOP-ECOP report which has given the Hill the only clear and concise statement regarding water. The testimony that has been given before both the Science and Technology Committee and before the George Brown Subcommittee has suggested very strongly that just new authorizations are not the answer. There are already more authorizations than funding is available. It will take action from Congress to require Federal agencies to come together to develop a national water strategy plan. If Congress does not take action, the Division will move on their own water initiative, which is not a bad base line, as groundwater has already been identified as a critical point. The initiative would work through the Agriculture Appropriation and Agriculture Authorization committees. ESCOP and ECOP have already voted to fund a staff person to be in place by February 1988 to take on the task of gaining support for the initiative.

The nine bills pending, which have been sponsored by nine different groups, usually identify a way for each group to maintain control. A lot of members of Congress are concerned about water and have crafted their legislation so that they have jurisdiction. They want to demonstrate to their constituents that they care about water. There is \$5 million pending in the Senate now at a time when it was almost unlikely for any initiatives to come through.

It does not solve the nation's water problems to draft the Geological Survey to do it, or to say that EPA is going to conduct an educational effort. There is a repository of information in the Geological Survey which is a good basic information resource, but many of our institutions are not tied into that resource and the Geological Survey has not conducted much Extension kind of work.

The Alternative Agriculture Bill proposes many new ideas with no means of funding. It establishes an ex-officio board to run it which is not guaranteed to have much expertise or understanding of: (1) the current system; (2) the issues involved; or (3) national needs.

The Division has asked that the Legislative Committee be reactivated. It has historically been a committee that rises and falls with the Farm Bill. It will now meet on a more regular basis where it will review legislation that comes out. ESCOP will be asked to provide a linkage to the committee that will ensure fairly good and rapid communications out into the community, as well as some analysis support.

16.2 New Associate Director at Montana State University

Welsh announced that Montana State University has appointed Dr. Russell B. Muntifering as Associate Director of the Agricultural Experiment Station effective February 1, 1988.

16.3 Changing of the Guard

The gavel and responsibilities as Chairman of the WDA for 1988 were passed from Oldenstadt to Heil.

17.0 Adjournment

It was moved and seconded to adjourn the meeting. MOTION CARRIED

WESTERN ASSOCIATION OF AGRICULTURAL EXPERIMENT STATION DIRECTORS

Wednesday, November 11, 1987

8:00 am - 12:00 noon

J. W. Marriott Hotel

Washington, D.C.

AGENDA

8:00	1.0	Call to Order	D. L. Oldenstadt
	2.0	Introductions and Announcements	D. L. Oldenstadt
	3.0	Adoption of Agenda	
	4.0	Approval of Minutes of July 22-23, 1987 Meeting	D. L. Oldenstadt
8:15	5.0	Interim Actions by the Chair/Executive Committee Report	D. L. Oldenstadt
8:25	6.0	Treasurer's Report	J. R. Welsh
8:30	7.0	CSRS Report	J. P. Jordan
8:40	8.0	ARS Report	W. H. Tallent
8:50	9.0	DAL Report	L. L. Boyd
9:00	10.0	Selection of WAAESD Nominees for USDA Awards	L. L. Boyd
	11.0	Reports by Representatives to:	
9:10		11.1 ESCOP	C. C. Kaltenbach
9:20		11.2 ESCOP Research Planning Subcommittee	C. E. Clark
9:30		11.3 ESCOP Special Initiatives Subcommittee	R. D. Heil
9:40		11.4 FY1988 ESCOP Budget Subcommittee	D. E. Schlegel/ L. L. Boyd
9:50		11.5 FY1989 ESCOP Budget Subcommittee	R. D. Heil/ L. L. Boyd
10:00		BREAK	
10:20		11.6 FY1990 ESCOP Budget Subcommittee	J. J. Zuiches
10:30		11.7 Committee of Nine	D. E. Schlegel
	12.0	Other Reports	
10:40		12.1 Sheep Task Force	C. C. Kaltenbach
10:45		12.2 Animal Care	C. C. Kaltenbach
10:50		12.3 Users Advisory Board	C. C. Kaltenbach
10:55		12.4 Joint Council	L. W. Dewhirst
11:00		12.5 Aquaculture Consortium	G. A. Lee
11:05		12.6 ARI/NISARC	L. L. Boyd
11:10		12.7 Western Biotechnology Conference	D. E. Schlegel
11:15	13.0	Leadership Training	L. L. Boyd
		13.1 New Directors Workshop - National	
		13.2 Leadership Program by CSRS	
		13.3 Possible Workshop for Department Chairs	
		13.4 Possible Administrative Advisors' Workshop	
		13.5 Potential Administrators List(s)	
	14.0	Future Meetings	
11:30		14.1 Spring WDA Meeting Plans	D. W. Smith
11:35		14.2 Summer Meeting; Joint Meeting with Deans, Instruction, Extension and CARET	D. L. Oldenstadt
11:45	15.0	Resolutions	
11:50	16.0	Other Business	
		16.1 NASULGC Report	D. Stansbury
		16.2 New Associate Director at Montana State University	J. R. Welsh
		16.3 Changing of the Guard	
12:00	17.0	Adjournment	

WESTERN DIRECTORS' AT LARGE ACCOUNT
YEAR-END FINANCIAL REPORT FY87

ITEM	ASSESSMENT	INCOME	BALANCE
JULY 1 BALANCE			29,164.03
AM. SAMOA	500.00	0.00	29,164.03
MICRONESIA	500.00	500.00	29,664.03
ALASKA	4,340.00	4,340.00	34,004.03
ARIZONA	9,099.00	9,099.00	43,103.03
CALIFORNIA	14,099.00	14,099.00	57,202.03
COLORADO	6,001.00	6,001.00	63,203.03
GUAM	4,075.00	4,075.00	67,278.03
HAWAII	6,680.00	6,680.00	73,958.03
IDAHO	8,061.00	8,061.00	82,019.03
MONTANA	8,525.00	8,525.00	90,544.03
NEVADA	6,564.00	6,564.00	97,108.03
NEW MEXICO	6,802.00	6,802.00	103,910.03
OREGON	10,329.00	10,329.00	114,239.03
UTAH	8,664.00	8,664.00	122,903.03
WASHINGTON	9,911.00	9,911.00	132,814.03
WYOMING	7,649.00	7,649.00	140,463.03
TOTAL	111,799.00	111,299.00	140,463.03

DATE	TRANSACTION	INCOME	EXPENSE	BALANCE
01-Oct-86	ESCOPE AN SCI FUNDS	12,999.00		153,462.03
01-Oct-86	TRANS. ESCOP FUNDS TO NEB		13,000.00	140,462.03
01-Oct-86	TRANSFER OF FUNDS TO COLO.		25,000.00	115,462.03
19-Nov-86	TRANSFER OF FUNDS TO COLO.		25,000.00	90,462.03
25-Nov-86	REVISED INTEREST RECEIVABLE	(282.03)		90,180.00
22-Dec-86	SEMI ANNUAL INTEREST	1,938.36		92,118.36
31-Dec-86	REVISED INTEREST RECEIVABLE	(5.60)		92,112.76
05-Jan-87	TRANSFER OF FUNDS TO COLO.		25,000.00	67,112.76
18-Feb-87	INTEREST FROM SALE OF STIP	524.17		67,636.93
28-Apr-87	FEB STIP INTEREST	268.80		67,905.73
14-Apr-87	TRANSFER OF FUNDS TO COLO.		25,000.00	42,905.73
30-Apr-87	MARCH STIP INTEREST	339.20		43,244.93
27-May-87	APRIL STIP INTEREST	326.40		43,571.33
11-May-87	MAY STIP INTEREST	332.80		43,904.13
13-Jul-87	JUNE STIP INTEREST	384.00		44,288.13
21-Jul-87	TRANSFER OF FUND TO COLO.		25,000.00	19,288.13
08-Jun-87	JULY STIP INTEREST	377.60		19,665.73
17-Sep-87	AUGUST STIP INTEREST	377.60		20,043.33
17-Sep-87	INTEREST FROM SALE OF STIP	27.00		20,070.33
30-Sep-87	SEPTEMBER STIP INTEREST	56.00		20,126.33
	BALANCE	17,663.30	138,000.00	

NOTE: Payment from American Samoa has not been received.

NOTE: STIP = Short Term Investment Pool

WESTERN DIRECTORS' SPECIAL ACCOUNT
YEAR END FINANCIAL REPORT - FY1987

ITEM	ASSESSMENT	INCOME	EXPENSE	BALANCE
JULY 1 BALANCE				5,977.76
ALASKA	656.00	656.00		6,633.76
ARIZONA	1,170.00	1,170.00		7,803.76
CALIFORNIA	1,817.00	1,817.00		9,620.76
COLORADO	1,313.00	1,313.00		10,933.76
GUAM	638.00	638.00		11,571.76
HAWAII	857.00	857.00		12,428.76
IDAHO	1,036.00	1,036.00		13,464.76
MONTANA	1,096.00	1,096.00		14,560.76
NEVADA	842.00	842.00		15,402.76
NEW MEXICO	873.00	873.00		16,275.76
OREGON	1,329.00	1,329.00		17,604.76
UTAH	1,114.00	1,114.00		18,718.76
WASHINGTON	1,275.00	1,275.00		19,993.76
WYOMING	983.00	983.00		20,976.76
TOTAL	14,999.00	14,999.00		20,976.76

DATE	TRANSACTION	INCOME	EXPENSE	BALANCE
01-Oct-86	BALANCE			20,976.76
03-Nov-86	COLO STATE-ESCOPI-HEIL		966.53	20,010.23
07-Nov-86	KALTENBACH-ESCOPI		616.88	19,393.35
22-Dec-86	SEMI AN. INTEREST	370.83		19,764.18
24-Dec-86	REVISED INTEREST	(55.30)		19,708.88
23-Jan-87	SALE OF STIP	115.87		19,824.75
12-Feb-87	KALTENBACH-ESCOPI		651.85	19,172.90
24-Mar-87	FEB STIP INTEREST	68.88		19,241.78
03-May-87	KALTENBACH-ESCOPI		1,515.86	17,725.92
03-May-87	MARCH STIP INTEREST	86.92		17,812.84
03-May-87	APRIL STIP INTEREST	83.64		17,896.48
02-Jun-87	MAY STIP INTEREST	85.28		17,981.76
02-Jun-87	JUNE STIP INTEREST	98.40		18,080.16
02-Jun-87	WASH. STATE U-ESCOPI		777.37	17,302.79
30-Jun-87	KALTENBACH-ESCOPI		543.64	16,759.15
02-Aug-87	KALTENBACH-ESCOPI		759.18	15,999.97
11-Aug-87	JULY STIP INTEREST	96.76		16,096.73
31-Aug-87	AUGUST STIP INTEREST	96.76		16,193.49
03-Sep-87	KALTENBACH-ESCOPI		334.80	15,858.69
30-Sep-87	SEPTEMBER STIP INTEREST	91.84		15,950.53
TOTALS		1139.88	6166.11	

10/87

**COOPERATIVE STATE RESEARCH SERVICE
REPORT TO THE
WESTERN REGIONAL ASSOCIATION
NATIONAL ASSOCIATION OF STATE UNIVERSITIES AND LAND-GRANT COLLEGES
WASHINGTON, D. C.
NOVEMBER 11, 1987**

THE CENTENNIAL YEAR

The Hatch Centennial events of the past year lived up to their billing. At this meeting a year ago, we saw the release of the commemorative Yearbook of Agriculture, "Research for Tomorrow." We previewed the two video presentations, "New Beginnings" and "SAES:Catalyst for American Agriculture." In the spring "New Beginnings" made its public debut on over 500 television stations and is now a part of several exhibits in museums. It received several awards. "Catalyst" has been used by many directors to tell the SAES success story within the State.

A highlight for the year was the National Research Forum at the National Academy of Sciences in March. Directors, researchers and friends gathered from across the country for this event. The content of the Forum was of such substance, that it has been recorded in a substantial book, "Agricultural Research for a Better Tomorrow," that has already seen very wide distribution. As a part of the celebration, Forum participants plus many others joined together for a gala reception at the Smithsonian Institution's National Museum of American History, where the commemorative exhibition, "The Search for Life" was previewed. Sixty-six products of Experiment Station research were on display. Oh, wasn't it a grand event!

A new book on the history of experiment stations, "The Legacy," authored by Norwood Kerr, was released at about the same time. A spectacular publication with examples of current thrusts in experiment station programs became available later in the year as "Fertile Fields II." To complement these national events, special programs commemorating the Hatch Centennial have been held across the country and many more are still to come. The quality and recognition achieved in these special events have been outstanding.

We have taken our show on the road. As part of the USDA/FDA Journalists' Conferences on Food Safety and Nutrition, we took a number of press releases from SAES's on those topics plus publications and several food items to the National Press Club in Washington. The program was repeated twice more in Denver and Chicago. We presented the State/Federal research partnership story to interested and inquisitive reporters and editors. Detailed reports on these activities and press clippings will be circulated before the end of the year.

Using the theme of "Agricultural Research for a Better Tomorrow," we launched a number of the research information activities that not only brought us immediate benefits, but are giving us continued public visibility as we celebrate the centennial of the signing of the Hatch Act.

In the spring we are planning a series of four conferences on biotechnology to be co-sponsored by USDA and the experiment station system at campus locations across the country. More information on these conferences designed to educate selected publics about the benefits of agriculture and biotechnology will be sent to you soon.

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This has truly been a year of high visibility. It also has been a year in which we have created a firm foundation for the coming years as we proceed to spread information on the spectacular story of agricultural research. Thanks to each of you for making the centennial year memorable ... but a special thanks to Pat Lewis and Jim Halpin, the dynamic duo, who saw that each event came off as planned.

And now tonight, in opening the exhibit, "The Search for Life," we are marking yet another milestone in a year-long celebration of the partnership between the State Agricultural Experiment Stations and the Cooperative State Research Service of the USDA. This celebration has brought increased visibility to the State/Federal partnership and to the accomplishments of the research system. A special thanks to Filmore Bender (MD) for his continuing leadership of this effort and related follow-on efforts.

BUDGET

1987 also saw the largest CSRS budget ever, the total was nearly \$380 million including funding for a number of facilities as well as pass-through funding from other agencies on top of our base funds. While the research facilities funds are targeted, rather than in support of a general program as we had hoped, the facilities funds are making a significant contribution to the infrastructure for agricultural research across the country.

The FY 1988 budget is still under Congressional consideration with a \$56 million difference between the House and Senate versions. The potential impacts of the application of a Gramm-Rudman-Hollings rescission are yet another unknown, but, as you know, strong efforts to bring about a positive solution top all of our agendas.

CSRS UPDATE

CSRS remains dynamic and healthy! Plans are nearing completion for movement of the CSRS staff to brand new quarters close to the USDA complex, for occupancy in the Spring. A number of new people have joined the CSRS staff---Dr. Luis Sequeira, a National Academy of Sciences member from the University of Wisconsin, came to CSRS in October to head the Competitive Research Grants program. As in the past, a number of new scientific experts have been assigned to serve as program managers for the various competitive grants programs to work with Dr. Sequeira.

Three new CSRS program specialists joined CSRS recently---Dr. Berlie Schmidt, Soil Scientist from Ohio State University; Dr. Preston Jones, Agronomist from Louisiana State University and Dr. James Parochetti, Weed Scientist from Extension Service, USDA. Recruitment actions are underway for a home economist, human nutritionist and an animal geneticist.

In temporary appointments, Dr. John Bourke, Chemist from Geneva, New York, will continue with us through January; Dr. Clark Burbee, Economist from ERS will continue for another year; and Dean and Director Lee Kolmer from Iowa State University, joined us recently. Dr. Kolmer will be working with Assistant Secretary Bentley on Agricultural Chemical and Rural Development issues and as an Economist for CSRS. Dr. Adell Brown, Agricultural Economist from Southern University recently joined CSRS as an IPA to work in Small-Scale Agriculture programs.

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You continued to provide opportunities for me to see your programs firsthand. I visited nearly 30 campuses and made a number of presentations. The number of part-time faculty who help us carry our load yet remain in residence on your campuses numbered nearly fifty...some on special projects for CSRS.

BIOTECHNOLOGY

Biotechnology has moved into a new phase with the recent arrival of Dr. Alvin Young from the Office of Science and Technology Policy to head up USDA's Office of Agriculture Biotechnology. Dr. Young will be the focal point for all biotechnology, both research and regulatory. He will report directly to the Deputy Secretary but his position is within the Secretary's support staff housed in OGPS/CSRS.

LOOKING TO THE FUTURE

We celebrated the Hatch Centennial, not because we survived for 100 years, but rather because we see great good in what we have done and even greater promise for opportunities in the future. A new publication that became available in 1987 from the Experiment Station Committee on Organization and Policy and CSRS, entitled, "Research Dynamics," outlined some of this great good that has been done in the recent past, and also highlights opportunities for the future. Also, "Research Initiatives" from the same organizations is being updated and will serve as a guide for our programs. The Strategic planning effort within CSRS is in high gear and meshes very well with the SAES system's planning effort.

I am very excited about the increased interaction among agriculture research leaders and leaders in the National Science Foundation, Department of Energy, and other Federal agencies. The most visible result of this interaction is the joint program for Plant Science Centers. We anticipate awards under this program during the coming year and will be watching closely to see if it is a mode of funding that should be further developed.

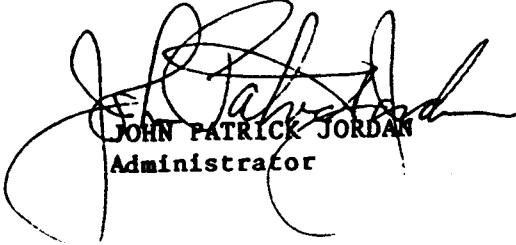
We also are pleased to be managing funds for other Federal agencies, in particular, the Department of Defense in the Critical Materials area and the Agency for International Development in support of the International Centers and various program thrusts. We expect to continue our efforts on your behalf to broker funds from the other Federal agencies.

The budget picture for future years is still evolving and the totals for agricultural research will be affected by the overall budget consideration. While we might not be able to move ahead as rapidly as we would like, I am convinced that the agricultural research system is in the best shape it has ever been in terms of having assessed its programs and defined its needs and opportunities for future contributions to agriculture in the country as a whole. We all have much more work to do, but the groundwork has been laid and the outlook is good.

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I have completed four years as Administrator of CSRS and I am very pleased and impressed with the effective way in which universities are able to work together and with CSRS in carrying out effective programs of research on behalf of agriculture. I again want to thank you, along with the faculty of CSRS for the opportunity to be of service in such a meaningful way.

Respectfully submitted,



JOHN PATRICK JORDAN
Administrator

WESTERN ASSOCIATION OF AGRICULTURAL EXPERIMENT STATION DIRECTORS
 1987 Fall Meeting, J. W. Marriott Hotel, Washington, DC
 November 11, 1987

DAL Report
 L. L. Boyd

This report covers the time period from Summer meeting in Reno, Nevada, July 20-23, 1987 through November 6, 1987. I participated on your behalf in the following activities that required travel during this period.

7/24 Nevada state visit
 8/4-7 North Dakota Agricultural Engineering review
 8/10-14 Alaska CSRS review
 8/31-9/2 ESCOP Research Planning and Evaluation Subcommittee, Houston
 9/9 FY1990 ESCOP Budget Subcommittee initial meeting, Washington, DC
 9/10 DAL meeting, Washington, DC
 9/17-18 ESCOP Special Initiatives Subcommittee, Holiday Inn, Denver
 9/20-23 ESCOP Fall meeting, Jackson, WY
 10/7 DAL meeting, Washington, DC
 10/8-9 ARI/NISARC meeting, Capitol Holiday Inn, Washington, DC
 10/9 Luncheon meeting-Cath (ARI) & DALs with Merrifield, Dept of Commerce
 10/14 University of Arizona Maricopa Center dedication
 10/15 Food Safety & Nutrition Update Conference, Executive Tower Inn, Denver, CO
 10/19-20 Industry/University Conference on Expert Systems, Embassy Suites Hotel, Bloomington, MN
 10/20-21 ESCOP CAADSS Subcommittee meeting, Embassy Suites Hotel, Bloomington
 10/22-23 Visit to Dupont's Agricultural Research Center, Wilmington, DE
 10/26-28 Joint Council/UAB meeting, Orlando, FL

As I have all year, I continued to work closely with Colin Kaltenbach to assist him with ESCOP activities. The other DALs also have helped. Colin hosted an excellent ESCOP meeting in Jackson, WY in September. The facilities at Spring Creek Ranch were very nice. Also, Colin planned a most interesting day of tour stops. Following the close of the ESCOP meeting, Colin, Bill Baumgardt, Clive Donoho and I meet with the ESCOP counterparts to discuss the water initiative and extension's involvement in agricultural research. Colin will report on those discussions.

All DALs and Colin have continued to work closely with Chuck Krueger and his FY88 Budget Subcommittee in making decisions about what in the "mark ups" should be pushed and in trying to develop the support of Directors with the most influential members of the Congress. You have had considerable correspondence on this. We have kept in contact with Don Crossan on the efforts to have CEOs contact OMB relative to the budget. I am not satisfied with this effort. We have not learned specifically what CEOs have done. Perhaps there is a reason for keeping this effort low key. I suspect that no CEO has visited OMB, but that some have made telephone calls and others have written letters. I will try to get more information. I hope that we can suggest some CEOs from the West to help support the 1989 and 1990 budgets and beyond. I need your assistance on this both in suggesting CEOs and suggesting new and better ways to solicit support for our budgets. Techniques that we develop for the national level, may be useful at the state level. I have sent to you via U S Mail an address by Congressman George Brown (CA) to the Industrial Biotechnology Association. He is seeking input on ways to solicit stronger support for agricultural research. If you have ideas, I hope you will get them to Bob Gast, Chair of the ARI Legislative Relationship Committee, and me. Information relative to the FY89 and FY90 Budget activities will be included

in those reports.

The meeting of the ESCOP Research Planning and Evaluation Subcommittee in Houston in early September to finalize the 1987 Initiatives for ranking went exceptionally well. I think the group has matured with the experience of the past 2-3 years in how to come to closure on issues. This is particularly important as we build our budget requests upon the results of the planning process. I appreciate your prompt response in getting your rankings back to Elmer and me, so I could forward them on to Neville Clarke. I also thank those of you who sent along the paired comparison and "expert system" ranking sheets. I have paired comparison reports for each of you. Individual reports by the "expert system" are not meaningful. The pooled (group averaged) report looks reasonable, but the "ranking model" needs more work. By the time that I give this report, you will have seen the draft of the proposed update of Research Initiatives. I have copies of the rankings of all Western states for distribution to you, so you can see how your rankings compare with neighboring and other states. As time permits I will also do some subset analysis within the region. As an example, I did obtain rankings from the South and North Central for TX, OK, KS, NE, ND and SD and combined them with those from MT, WY, CO and NM for a Great Plains ranking. I have copies of this also.

The ESCOP Special Initiatives Subcommittee is moving forward aggressively. It met in Denver in September just before the ESCOP meeting in Jackson, WY. Our office made the arrangements. Bob Heil will be reporting on that meeting. There is some concern that Special Initiatives is trying to move too many things forward. I keep reminding them, hopefully without appearing to be negative, that the Committee is to make evaluations of what should move forward. Task forces and their reports are to be an aid to those evaluations. Not everything moves forward automatically just because we have a task force and a report.

The Alaska CSRS review was very useful to me in understanding the interlinking between and among disciplines in programs there. While I was officially an observer, I did contribute to the report. I also am providing Jim Drew with some additional comments. I will be proposing that Alaska, Washington, Montana and possible other Western states consider a regional barley breeding project. It also should include other major barley states, at least those from northern latitudes. It could include Canadian participation and a liaison with Scandinavian countries.

I was pleased to be able to be present at the dedication of Arizona's Maricopa Agricultural Research Center on October 14, 1987. Everything went exceptionally well, no doubt because of Pete Dewhirst's superb planning. George Ware's efforts also were recognized. Gene Sander delivered a stimulating message to constituents and supporters and to the faculty. Tribute was made to Bart Cardon for his many contributions to Arizona through the unveiling of a "bust" of him. In a sense you all participated through Pete's sending you an attractive copper commemorative belt buckle. We all thank him.

The DALs were privileged to be able to visit with several of Dupont's agricultural research scientists and administrators on October 22-23. Gid Hill, who retired as Director of the Biology Research & Development Division for Dupont on November 1, 1987 arranged the trip. He wanted the people who were taking over for him to get to know us and for us to get to know them. We had a good blend of formal presentations, laboratory visits and a trip to some of the plots. We learned that they target for at least a \$100,000,000 in annual (I think) sales for each new product to be released. They make about 20,000 individual screening per year for a single product. Dupont invests an average

of 200 scientist years and \$40,000,000 to \$50,000,000 per compound. However, they cited that from the discovery in 1975 of Sulfonylurea, they hope end up with a dozen different compounds. They are making a major effort to computerize information on both chemicals and plants, so that they can move closer to "design" of pesticides and "scientific selection" than in the past when most of the processes were empirical. Dupont invests an average of \$240,000 per scientist year in research. Their sales are approximately 1/3 for cotton, 1/3 for corn and 1/3 for everything else. This reinforces the need for public funds for "minor use" compounds. I was impressed with "mission" and "principles" documents that Dupont gave us, so I am sharing copies with you.

I participated in the first day of a 1 1/2 day Food Safety and Human Nutrition conference in Denver. It was co-sponsored by USDA and FDA. The conference was focused toward the press with extension personnel as secondary targets. The attendance was much lower than they had expected (hoped for). Early the first day, I counted about 40 present. I estimate that another 20 came during the day, but many of the attendees were FDA and USDA personnel, not all of which were active program participants. There were some interesting presentations, so it is unfortunate that there was not greater participation by the press. Pat Jordan gave his usual inspiring presentation. There also were several interesting exhibits. Jim Halpin telephoned me last week to discuss the Denver meeting. He and others wonder if there is a more effective way to get this information to and used by the press and other media.

Both Colin Kaltenbach and I participated in the joint meeting of the Joint Council and the Users Advisory Board and then in the UAB's meeting. The joint meeting topic was "New Approaches to Enhance Agricultural Biotechnology". I was impressed with the presentations by Ralph Christoffersen, Upjohn and former President of Colorado State, and Mary Clutter of NSF. They had six work groups, but the time was all too short and it appeared that the leaders had not been briefed very well nor had done any advanced preparation. The UAB meeting was the best that I have attended. They had a stimulating discussion on bovine somatotropin (BST) initiated by a presentation by Bob Robinson of ERS. Presentations by University of Florida scientists at their Lake Alfred station on groundwater contamination and agricultural biotechnology were well done and brought out many questions and much discussion. Richard Young of NASA gave a very interesting presentation on "Closed Environmental Life Support Systems". This included research being done at Utah State University, which I had the privilege of learning about during a state visit. You know that I believe contact with UAB members is important. I appreciated Bernard Jones' response that he has close contact with both Roy Cameron and Jeanne Edwards. Roy seems to have great interest in "ground water monitoring" and gave a brief presentation. He will have a paper for distribution at the UAB's February, 1988 meeting. I would appreciate it, if others of you would keep me updated on your contacts and interactions with UAB members. They will elect a new Chair and Vice Chair at their February meeting.

The ARI meeting provided my first opportunity to hear Bob Rodale of Rodale Press on sustainable agriculture. He gave an excellent presentation. He has been the editor of a magazine on organic farming for 38 years. He said that about 8 years ago, he realized that organic farming would never dominate. He made several comments that I believe are worth sharing. Link unusual production systems to new consumer systems. Adapt agriculture to nutrition science of human needs. Production/consumption links can "take back" markets. Make agriculture a part of the health concepts of people. Bob Evenson had some new approaches to "spill in/spill out" of agricultural research and the cost/benefits of agricultural research. He has a new model that includes private sector research; it doesn't cancel out the public research, but it is significant.

New estimates also show Extension making a greater contribution, this being linked to farmer education and crop efficiency. Except for agricultural chemistry research, research from the US spills out. The new biotech research will spill easily, both out and in. Following the meeting the DALs, Stan Cath and Clive Donoho had lunch with Assistant Secretary of Commerce, Bruce Merrifield. He will be the keynote speaker for the February 9-10, 1988 NISARC meeting that will focus on the improvement of international trade. I suggest you get this on your calendars and plan to attend. President Max Lennon of Clemson spoke the first evening. He had just returned from Japan, where he was investigating the establishment of a branch campus. He saw this as a very good way to increase the understanding and interest of Americans in foreign countries and their cultures, which should aid us in our marketing efforts. Max said the Japanese are interested in having at least one U S university branch campus in each of its prefectures (states).

The Industry/University Conference on Expert Systems was a disappointment. It was sponsored by the recently formed (3 years ago) Association of Agricultural Computing Companies (AACC) and the Midwest Technical Development Institute (MTDI). I did learn some things of use, but the focus was mostly on how these mostly small companies could work out agreements to further development and distribute expert systems that University scientists had developed. The ESCOP Subcommittee on Computer Assisted Agricultural Decision Support Systems met after the above meeting. We should be out with a report soon, but I am concerned that it will focus more on the needs for adaptive research that Don Holt is championing than it will on expert system development. Obviously, good adaptive research results will improve the expert systems and their adoption.

We continue to send things from the office that we believe can be useful to you. It would be nice to have a bit more feedback, but we assume most of it is useful, or you would let us know. I particularly would like feedback on the materials about the regional projects. All of those we heard from said the material would be useful. More important, some had suggestions for other ways to present it. During the next few weeks, when my travel schedule lightens, I will be working on those ideas. Be sure to let us know of things that we can do or prepare that would assist you. We keep fully busy in any event, but we prefer to work on the most useful things. I continue to enjoy the opportunity to represent you and to work with you.

87IGPSMY

November 3, 1987

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Summary of ranking of the 87 Research Initiatives by Great Plains Stations

Initiative	CO	KS	MT	NE	NM	ND	OK	SD	TX	WY	TOT	AVE	MAX	MIN
1 Land Use	15	18	7	17	20	20	20	17	18	17	169	16.9	7	20
2 Animal Efficiency	16	6	8	6	18	8	6	5	5	8	86	8.6	5	18
3 Animal Health/Disease	10	9	11	9	15	19	5	12	7	9	106	10.6	5	19
4 Biotechnology	3	2	6	1	3	9	7	4	1	2	38	3.8	1	9
5 Atmospheric Depositn	20	21	18	21	21	18	21	18	20	21	199	19.9	18	21
6 Energy Eff Systems	19	14	17	20	11	11	18	14	21	20	165	16.5	11	21
7 Food Proc/Pres/Qual	2	7	15	4	12	12	8	13	6	5	84	8.4	2	15
8 Forest Productivity	17	19	20	19	16	21	9	19	16	16	172	17.2	9	21
9 Genetic Imprvmt Plts	8	8	1	10	7	2	1	3	3	11	54	5.4	1	11
10 Agr/For Policy/Mrkts	14	20	19	14	5	17	11	15	13	13	141	14.1	5	20
11 Mgmt Crop Pests/Dis	9	11	2	12	6	3	2	7	11	4	67	6.7	2	12
12 Intrgrtng Agr Techs	4	15	12	11	2	4	13	8	4	10	83	8.3	2	15
13 Food/Nutr/Health	5	13	13	7	4	13	14	16	8	12	105	10.5	4	16
14 Water /Quality/Quan	6	1	4	2	1	5	10	1	2	1	33	3.3	1	10
15 Mrktng Agr/For Prdts	7	3	3	16	10	6	17	6	14	6	88	8.8	3	17
16 Uses Agr/ForProducts	1	10	14	3	19	1	19	9	10	14	100	10.0	1	19
17 Plants Urban Envrnmt	21	17	21	18	13	16	15	21	17	19	178	17.8	13	21
18 Prod Range/Pasture	13	4	9	8	9	14	4	10	15	15	101	10.1	4	15
19 Rural Fam/Community	11	12	16	15	8	10	16	11	19	7	125	12.5	7	19
20 Sensors/Comptrs Agr	18	16	10	13	17	15	12	20	12	18	151	15.1	10	20
21 Sustaining Soil Prod	12	5	5	5	14	7	3	2	9	3	65	6.5	2	14
Total	231	231	231	231	231	231	231	231	231	231	2310	231		

Great Plains States Ranking

	AVE	MAX	MIN
1 Water /Quality/Quan	14	3.3	1 10
2 Biotechnology	4	3.8	1 9
3 Genetic Imprvmt Plts	9	5.4	1 11
4 Sustaining Soil Prod	21	6.5	2 14
5 Mgmt Crop Pests/Dis	11	6.7	2 12
6 Intrgrtng Agr Techs	12	8.3	2 15
7 Food Proc/Pres/Qual	7	8.4	2 15
8 Animal Efficiency	2	8.6	5 18
9 Mrktng Agr/For Prdts	15	8.8	3 17
10 Uses Agr/ForProducts	16	10.0	1 19
11 Prod Range/Pasture	18	10.1	4 15
12 Food/Nutr/Health	13	10.5	4 16
13 Animal Health/Disease	3	10.6	5 19
14 Rural Fam/Community	19	12.5	7 19
15 Agr/For Policy/Mrkts	10	14.1	5 20
16 Sensors/Comptrs Agr	20	15.1	10 20
17 Energy Eff Systems	6	16.5	11 21
18 Land Use	1	16.9	7 20
19 Forest Productivity	8	17.2	9 21
20 Plants Urban Envrnmt	17	17.8	13 21
21 Atmospheric Depositn	5	19.9	18 21

87IWSMRY

November 6, 1987

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Ranking of the ESCOP Research Planning and Evaluation Subcommittee's
1987 Revised Research Initiatives by Western Region Stations

Initiative	AK	AZ	CA	CO	HI	GU	ID	MT	NV	NM	OR	UT	WA	WY	TOT	AVE	MAX	MIN
1 Land Use	21	20	15	15	3	19	10	7	15	20	17	21	14	17	214	15.3	3	21
2 Animal Efficiency	4	8	12	16	7	15	17	8	10	18	13	6	11	8	153	10.9	4	18
3 Animal Health/Disease	16	11	8	10	18	14	14	11	5	15	16	8	12	9	167	11.9	5	18
4 Biotechnology	5	2	3	3	8	16	3	6	2	3	2	2	1	2	58	4.1	1	16
5 Atmospheric Depostn	13	21	14	20	21	12	19	18	18	21	18	18	21	21	255	18.2	12	21
6 Energy Eff Systems	15	6	19	19	19	17	13	17	21	11	21	17	20	20	235	16.8	6	21
7 Food Proc/Pres/Qual	10	5	5	2	14	18	9	15	19	12	6	13	6	5	139	9.9	2	19
8 Forest Productivity	12	19	13	17	20	11	18	20	17	16	15	15	17	16	226	16.1	11	20
9 Genetic Imprvmt Plts	3	7	7	8	15	20	2	1	6	7	4	3	5	11	99	7.1	1	20
10 Agr/For Policy/Mrkts	11	9	11	14	9	10	16	19	14	5	9	14	15	13	169	12.1	5	19
11 Mgmt Crop Pests/Dis	17	3	4	9	1	6	6	2	12	6	10	7	7	4	94	6.7	1	17
12 Intrgrtng Agr Techs	6	15	10	4	2	8	4	12	7	2	5	10	13	10	108	7.7	2	15
13 Food/Nutr/Health	9	4	6	5	13	9	5	13	3	4	3	9	10	12	105	7.5	3	13
14 Water /Quality/Quan	8	1	1	6	4	3	7	4	1	1	1	1	2	1	41	2.9	1	8
15 Mrktng Agr/For Prdts	2	12	16	7	6	2	11	3	11	10	8	16	9	6	119	8.5	2	16
16 Uses Agr/ForProducts	1	16	9	1	5	5	12	14	8	19	12	5	3	14	124	8.9	1	19
17 Plants Urban Envrnmt	18	18	20	21	16	13	21	21	4	13	20	19	19	19	242	17.3	4	21
18 Prod Range/Pasture	20	13	17	13	11	7	8	9	9	9	14	11	16	15	172	12.3	7	20
19 Rural Fam/Community	7	17	18	11	10	4	15	16	13	8	19	12	4	7	161	11.5	4	19
20 Sensors/Comptrs Agr	14	14	21	18	17	21	20	10	20	17	11	20	18	18	239	17.1	10	21
21 Sustaining Soil Prod	19	10	2	12	12	1	1	5	16	14	7	4	8	3	114	8.1	1	19
Total	231	231	231	231	231	231	231	231	231	231	231	231	231	231	3465	3465		

Western Region Rankings

	AVE	MAX	MIN
1 Water /Quality/Quan	14	2.9	1 8
2 Biotechnology	4	4.1	1 16
3 Mgmt Crop Pests/Dis	11	6.7	1 17
4 Genetic Imprvmt Plts	9	7.1	1 20
5 Food/Nutr/Health	13	7.5	3 13
6 Intrgrtng Agr Techs	12	7.7	2 15
7 Sustaining Soil Prod	21	8.1	1 19
8 Mrktng Agr/For Prdts	15	8.5	2 16
9 Uses Agr/ForProducts	16	8.9	1 19
10 Food Proc/Pres/Qual	7	9.9	2 19
11 Animal Efficiency	2	10.9	4 18
12 Rural Fam/Community	19	11.5	4 19
13 Animal Health/Disease	3	11.9	5 18
14 Agr/For Policy/Mrkts	10	12.1	5 19
15 Prod Range/Pasture	18	12.3	7 20
16 Land Use	1	15.3	3 21
17 Forest Productivity	8	16.1	11 20
18 Energy Eff Systems	6	16.8	6 21
19 Sensors/Comptrs Agr	20	17.1	10 21
20 Plants Urban Envrnmt	17	17.3	4 21
21 Atmospheric Depostn	5	18.2	12 21

QURTILES October 5, 1987
 Quartile Summary of the Ranking of the 87 Research Initiatives
 by Western Region Stations

Initiative	AK	AZ	CA	CO	HI	GU	ID	MT	NV	NM	OR	UT	WA	WY	AVE	MX	MN
14 Water /Quality/Quan	8	1	1	6	4		7	4	1	1	1	1	2	1	2.9	1	8
4 Biotechnology	5	2	3	3	8		3	6	2	3	2	2	1	2	3.2	1	8
9 Genetic Imprvmt Plts	3	7	7	8	15		2	1	6	7	4	3	5	11	6.1	1	15
11 Mgmt Crop Pests/Dis	17	3	4	9	1		6	2	12	6	10	7	7	4	6.8	1	17
13 Food/Nutr/Health	9	4	6	5	13		5	13	3	4	3	9	10	12	7.4	3	13
12 Intrgrtng Agr Techs	6	15	10	4	2		4	12	7	2	5	10	13	10	7.7	2	15
21 Sustaining Soil Prod	19	10	2	12	12		1	5	16	14	7	4	8	3	8.7	1	19
15 Mrktng Agr/For Prdts	2	12	16	7	6		11	3	11	10	8	16	9	6	9.0	2	16
16 Uses Agr/ForProducts	1	16	9	1	5		12	14	8	19	12	5	3	14	9.2	1	19
7 Food Proc/Pres/Qual	10	5	5	2	14		9	15	19	12	6	13	6	5	9.3	2	19
2 Animal Efficiency	4	8	12	16	7		17	8	10	18	13	6	11	8	10.6	4	18
3 Animal Health/Disease	16	11	8	10	18		14	11	5	15	16	8	12	9	11.8	5	18
19 Rural Fam/Community	7	17	18	11	10		15	16	13	8	19	12	4	7	12.1	4	19
10 Agr/For Policy/Mrkts	11	9	11	14	9		16	19	14	5	9	14	15	13	12.2	5	19
18 Prod Range/Pasture	20	13	17	13	11		8	9	9	9	14	11	16	15	12.7	8	20
1 Land Use	21	20	15	15	3		10	7	15	20	17	21	14	17	15.0	3	21
8 Forest Productivity	12	19	13	17	20		18	20	17	16	15	15	17	16	16.5	12	20
20 Sensors/Comptrs Agr	14	14	21	18	17		20	10	20	17	11	20	18	18	16.8	10	21
6 Energy Eff Systems	15	6	19	19	19		13	17	21	11	21	17	20	20	16.8	6	21
17 Plants Urban Envrnmt	18	18	20	21	16		21	21	4	13	20	19	19	19	17.6	4	21
5 Atmospheric Deposn	13	21	14	20	21		19	18	18	21	18	18	21	21	18.7	13	21

87INSMY2

October 11, 1987

11

Summary of ranking of the 87 Research Initiatives by 11 Western Region Stations

Initiative												DIRS				
	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	TOT	AVE	MAX	MIN	RGE
1 Land Use	20	15	15	10	7	15	20	17	21	14	17	171	15.5	7	21	15
2 Animal Efficiency	8	12	16	17	8	10	18	13	6	11	8	127	11.5	6	18	13
3 Animal Health/Disease	11	8	10	14	11	5	15	16	8	12	9	119	10.8	5	16	12
4 Biotechnology	2	3	3	3	6	2	3	2	2	1	2	29	2.6	1	6	6
5 Atmospheric Depostn	21	14	20	19	18	18	21	18	18	21	21	209	19.0	14	21	8
6 Energy Eff Systems	6	19	19	13	17	21	11	21	17	20	20	184	16.7	6	21	16
7 Food Proc/Pres/Qual	5	5	2	9	15	19	12	6	13	6	5	97	8.8	2	19	18
8 Forest Productivity	19	13	17	18	20	17	16	15	15	17	16	183	16.6	13	20	8
9 Genetic Imprvmt Plts	7	7	8	2	1	6	7	4	3	5	11	61	5.5	1	11	11
10 Agr/For Policy/Mrkts	9	11	14	16	19	14	5	9	14	15	13	139	12.6	5	19	15
11 Mgmt Crop Pests/Dis	3	4	9	6	2	12	6	10	7	7	4	70	6.4	2	12	11
12 Intrgrtng Agr Techs	15	10	4	4	12	7	2	5	10	13	10	92	8.4	2	15	14
13 Food/Nutr/Health	4	6	5	5	13	3	4	3	9	10	12	74	6.7	3	13	11
14 Water /Quality/Guan	1	1	6	7	4	1	1	1	1	2	1	26	2.4	1	7	7
15 Mrktng Agr/For Prdts	12	16	7	11	3	11	10	8	16	9	6	109	9.9	3	16	14
16 Uses Agr/ForProducts	16	9	1	12	14	8	19	12	5	3	14	113	10.3	1	19	19
17 Plants Urban Envrnmt	18	20	21	21	21	4	13	20	19	19	19	195	17.7	4	21	18
18 Prod Range/Pasture	13	17	13	8	9	9	9	14	11	16	15	134	12.2	8	17	10
19 Rural Fam/Community	17	18	11	15	16	13	8	19	12	4	7	140	12.7	4	19	16
20 Sensors/Coaptrs Agr	14	21	18	20	10	20	17	11	20	18	18	187	17.0	10	21	12
21 Sustaining Soil Prod	10	2	12	1	5	16	14	7	4	8	3	82	7.5	1	16	16
Total	231	231	231	231	231	231	231	231	231	231	231	2541	2772			

Western Region Ranking - 11 Contiguous States

1 Water /Quality/Guan	2.4	14
2 Biotechnology	2.6	4
3 Genetic Imprvmt Plts	5.5	9
4 Mgmt Crop Pests/Dis	6.4	11
5 Food/Nutr/Health	6.7	13
6 Sustaining Soil Prod	7.5	21
7 Intrgrtng Agr Techs	8.4	12
8 Food Proc/Pres/Qual	8.8	7
9 Mrktng Agr/For Prdts	9.9	15
10 Uses Agr/ForProducts	10.3	16
11 Animal Health/Disease	10.8	3
12 Animal Efficiency	11.5	2
13 Prod Range/Pasture	12.2	18
14 Agr/For Policy/Mrkts	12.6	10
15 Rural Fam/Community	12.7	19
16 Land Use	15.5	1
17 Forest Productivity	16.6	8
18 Energy Eff Systems	16.7	6
19 Sensors/Coaptrs Agr	17.0	20
20 Plants Urban Envrnmt	17.7	17
21 Atmospheric Depostn	19.0	5



The purpose of our business is to provide quality products and services that meet the needs of our customers — our most important asset.

OUR MISSION

To achieve leadership in selected world markets, contribute superior financial results, and have fun doing it. To accomplish this will require the skill and commitment of each of us in a climate that:

- Creates and retains customers by continually satisfying their needs better than the competition.
- Fosters trust, open communication and teamwork.
- Inspires initiative through the delegation of responsibility and authority.
- Encourages and recognizes contributions based on creativity, productivity and prudent risk taking.
- Enables each employee to develop and contribute to his or her full capability.
- Focuses our efforts and resources on significant opportunities in our core crop protection business while we explore and develop new opportunities in related markets and services.
- Inspires each of us to strive for excellence in everything we do.

In accomplishing our mission, we will achieve our department's financial commitments each year and continually increase our value to our customers and shareholders. We believe in the future of our business and are committed to its success.

OUR PRINCIPLES

CUSTOMER FOCUS—We will focus our energies on customers, constantly striving for excellence in understanding, anticipating, and serving their needs more effectively than the competition.

PEOPLE—We will provide an environment that creates mutual trust and respect, stimulates development and enables full utilization of individual capability, and maximizes job satisfaction.

QUALITY—We will establish a process of continuous quality improvement in everything we do so our customers will rely on us as their preferred supplier.

BUSINESS DIFFERENTIATION—We will encourage flexibility in all elements of our worldwide operations so that each may maximize its competitive effectiveness in the environment in which it operates.

MANAGEMENT STYLE—We will manage our business with well defined, commonly accepted, strategic direction and organizational structures, systems, and policies that are tailored to meet the needs of the dynamic marketplace and we will increase delegation of authority and responsibility so that individual initiatives and contributions are encouraged and rewarded.

TEAMWORK—We will create an environment where teamwork is practiced so that our total resources are brought together to stimulate individual responsibility, creativity, and contribution in achieving our business objectives.

COMMUNICATIONS—We will communicate in a clear, concise, open and timely way so that everyone has the information required to contribute to excellence. Quality communications must be two way and built on mutual trust and responsibility.

INNOVATION—We will encourage all employees to pursue innovative ideas that are focused on the continual improvement of our business. We appreciate that innovation requires sponsorship with prudent risk taking and that our reward system must recognize both.

REWARD—We will recognize and reward significant individual and team contributions to business success in an appropriate, fair and timely manner.

ETHICAL BEHAVIOR—We will conduct our business affairs with the highest ethical standards and work diligently to be a respected corporate citizen worldwide.

SAFETY—We will adhere to the highest standards for safe operations and the protection of the environment, our people and customers, and the citizens of the communities in which we do business.

Our Mission...

Du Pont is a diversified chemical, energy and specialty products company with a strong tradition of discovery. Our global businesses are constantly evolving and continually searching for new and better ways to use our human, technological and financial resources to improve the quality of life of people around the world.

The mission that drives us is ongoing and challenging...to increase the value of the company to customers, employees and shareholders by profitably providing beneficial products and services to worldwide markets.

In doing so, each of our businesses must deliver financial results superior to those of its leading competitors...for we consider ourselves successful only if we return to our shareholders a long-term financial reward comparable to the better performing, large industrial companies.

While much of our growth occurs through discovery and development of new products, energy resources and services, our success depends ultimately upon our total commitment to serving the needs of the marketplace. This requires that we work in full partnership with our customers...not only in understanding and meeting customer needs, but in anticipating their problems as well.

Above all, we recognize that the degree of our success is in direct proportion to the quality and dedication of our people.

To be more successful than our competitors, we must never be satisfied with the status quo...we must be calculated risk takers with a compulsive curiosity...the curiosity to seek the most innovative answers to the most complex problems...bringing better things for better living to the marketplace.



BETTER THINGS FOR BETTER LIVING

Our Principles...

A significant factor contributing to our success is adherence to a distinctive set of guiding principles and commonly shared values.

CUSTOMER ORIENTATION

We must focus our energies on customers and markets, constantly striving for excellence in understanding, anticipating and serving their needs faster and better than our competitors.

COMPETITIVE POSITION

We must serve those markets in which we can be the best...markets where our human, technological and financial strengths give us opportunities to establish and maintain leadership positions and achieve profitable growth. Further, we must be aggressive in both acquiring and divesting businesses to enhance those positions.

MANAGEMENT STYLE

We must manage our diverse businesses with organizational structures, systems and policies that enable them to excel in the markets they serve. In so doing, calculated risk taking must be encouraged to maximize returns, and barriers that inhibit achievement of full business and individual potential eliminated.

INDIVIDUAL OPPORTUNITY

We must treat each other fairly, with respect for individual dignity, while developing our talents and skills to their full potential to increase our contributions to the success of the businesses we serve. Our recognition, rewards and advancement must be based on the value of those contributions as we strive for continuous improvement in the quality of everything we do.

ETHICAL BEHAVIOR

We must conduct our business affairs with the highest ethical standards and work diligently to be a respected corporate citizen worldwide.

SAFETY

We must adhere to the highest standards for the safe operation of facilities and the protection of the environment, our people and customers, and the citizens of the communities in which we do business.

RESEARCH & DEVELOPMENT DIVISION
AGRICULTURAL PRODUCTS DEPARTMENT
DU PONT COMPANY

O U R M I S S I O N

OUR MISSION IS TO DISCOVER, ACQUIRE, DEVELOP AND SUPPORT PRODUCTS, SERVICES, SCIENCE AND TECHNOLOGY THAT CONTINUE AND EXPAND THE ROLE OF AGRICULTURAL PRODUCTS DEPARTMENT AS A WORLDWIDE LEADER IN AGRICULTURE.

WE WILL ACCOMPLISH THIS BY:

- O LIVING UP TO HIGH STANDARDS OF RESPONSIBILITY, INTEGRITY AND SAFETY,
- O WORKING IN FULL PARTNERSHIP WITH ALL OTHER FUNCTIONS WITHIN THE DEPARTMENT,
- O DEVELOPING AND EXPLOITING OPPORTUNITIES FASTER AND MORE EFFECTIVELY THAN COMPETITION,
- O PROMOTING INNOVATIONS AND ENTREPRENEURIAL SPIRIT,
- O ATTRACTING AND RETAINING HIGHLY QUALIFIED PEOPLE AND ENABLING ALL EMPLOYEES TO REACH THEIR FULL CAPABILITIES,
- O BEING AT THE LEADING EDGE OF SCIENCE AND TECHNOLOGY,

IN ACHIEVING OUR MISSION, WE WILL SUPPORT THE MISSION OF THE DEPARTMENT AND CORPORATION WITH PRODUCTS AND SERVICES THAT ARE PROFITABLE TO DU PONT AND OUR CUSTOMERS AND EFFECTIVELY SERVE THE NEEDS OF PEOPLE AND THEIR ENVIRONMENT.

CONTINUED

OUR PRINCIPLES

TO GUIDE US IN OUR MISSION, THE R&D STAFF DEVELOPED THE FOLLOWING PRINCIPLES. FUTURE CONCEPTS, STRATEGIES, AND DESIGNS TO IMPROVE THE BUSINESS WILL BE CONSISTENT WITH THESE PRINCIPLES.

- o RESEARCH FOCUS - WE WILL MAINTAIN A PROPER BALANCE BETWEEN SHORT, MEDIUM, AND LONG-RANGE RESEARCH TO SUPPORT THE CURRENT BUSINESS WHILE PROVIDING A CONTINUOUS FLOW OF PROFITABLE NEW PRODUCTS.**
- o MANAGEMENT STYLE - WE WILL OPERATE THE R&D DIVISION TO PROMOTE COMMUNICATION, TEAMWORK, AND FLEXIBILITY SO AS TO IMPROVE THE EFFECTIVENESS AND EFFICIENCY OF THE R&D PROCESS.**
- o CAPABILITY OF PEOPLE - WE WILL PROVIDE A CLIMATE THAT ENABLES OUR PEOPLE TO USE THEIR FULL CAPABILITY AND POTENTIAL TO MAKE CONTRIBUTIONS THAT IMPROVE THE BUSINESS.**
- o TEAMWORK - WE WILL DEVELOP IMPROVED PROGRAMS, COORDINATION, AND TEAMWORK ACROSS SECTIONS, DIVISIONS, AND DEPARTMENTS TO IMPROVE RESOURCE ALLOCATION, EFFECTIVENESS, AND PROFITABILITY.**
- o LEADERSHIP - THE DIVISIONAL MANAGEMENT TEAM WILL PROVIDE LEADERSHIP AND DIRECTION FOR THE ORGANIZATION.**

ESCOP RESEARCH PLANNING SUBCOMMITTEE

C. E. Clark

ESCOP Research Planning Subcommittee is involved in identifying, organizing and prioritizing research initiatives for the Experiment Station System. Information and viewpoints are obtained from various sources to accomplish this task. These activities are programmed on a 4-year cycle. A major revision is performed every four years with scheduled annual updates. We are now midway in the 1985-89 cycle.

August, 1987, ESCOP Planning Subcommittee reviewed materials submitted from the four regions following the summer Director's meetings. Attention was given to editorial aspects, updating initiatives and objectives, proposing three new initiatives and combining others. The new initiatives added were: New and Expanded Uses for Agricultural and Forest Products, Agricultural and Forest Land Use, Sensors and Computing Systems for Food and Agriculture. The material was then circulated to all directors for priority rankings of the initiatives. The attached material summarizes Western Regional rankings and average rankings across regions. The latter will be reported to National Agricultural Research Committee (NARC) December, 1987, as an ESCOP consensus.

Considerable activity will transpire during 1988 to prepare for the major revision of research initiatives scheduled for 1989. All segments of the agricultural system will be provided opportunity for input in identifying research needs. Requests for input will begin early 1988 and plans for the revision will be fully developed by December, 1988.

A symposium to elaborate research needs and a workshop to organize the materials will be scheduled in 1989 and the "New Initiatives" document will be published January, 1990.

WESTERN REGION RANKINGS OF THE 1987 ESCOP RESEARCH INITIATIVES

October, 1987

TITLE	AVE	HIGH	LOW
1. Maintain and Protect Water Quality and Quantity	2.9	1	8
2. Biotechnology	3.2	1	8
3. Genetic Improvement of Economically Important Plants	6.1	1	15
4. Improved Management of Crop Pests and Diseases	6.8	1	17
5. Interrelationships of Food and Nutritional and Health Status...	7.4	3	13
6. Integrating Agricultural Technologies	7.7	2	15
7. Sustaining Soil Productivity	8.7	1	19
8. Marketing Agricultural and Forest Products	9.0	2	16
9. New and Expanded Uses for Agricultural and Forest Products	9.2	1	19
10. Food Processing, Preservation and Quality Enhancement	9.3	2	19
11. Animal Efficiency in Food Production	10.6	4	18
12. Animal Health and Disease	11.8	5	18
13. Rural Family and Community Well-Being	12.1	4	19
14. Impact of Agricultural and Forestry Policy on Global Markets	12.2	5	19
15. Productivity of Range and Pastureland	12.7	8	20
16. Agricultural and Forest Land Use	15.0	3	21
17. Forest Productivity	16.5	12	20
18. Sensors and Computing Systems for Food and Agriculture	16.8	10	21
19. Energy Efficient Systems	16.8	6	21
20. Plants for the Urban Environment	17.6	4	21
21. Effects of Atmospheric Deposition on Ecosystems	18.7	13	21

PRIORITY ORDER OF INITIATIVES BY AVERAGE
ACROSS REGIONS

Initiative		Average of 4 Regions	Regional % Ranking			
			NE	SO	NC	WE
1. Maintain & Protect Water Quality & Quantity	<u>*1</u>	3.35	1	1	1	1
2. Biotechnology		3.85	1	1	1	1
3. Genetic Improvement of Econ. Important Plants		6.93	1	1	1	1
4. Sustaining Soil Productivity		7.75	1	1	1	2
5. Improved Management of Crop Pests and Diseases		7.93	1	1	2	1
6. Food Process. Preserv. & Quality Enhancement		8.68	2	1	2	2
7. Animal Efficiency in Food Production	<u>2</u>	9.10	2	2	1	2
8. New & Expanded Uses for Ag. & Forest Products		9.18	3	2	1	2
9. Integrating Agricultural Technologies		9.28	3	2	1	1
10. Interrelationships of Food, Nutrition & Health		9.35	1	3	2	1
11. Marketing of Agricultural and Forest Products		10.10	3	2	2	2
12. Animal Health and Disease	<u>3</u>	10.25	2	2	3	3
13. Impact of Ag. & Forestry Pol. on Global Mkts.		12.15	3	3	2	3
14. Rural Family and Community Well-Being		13.58	4	4	3	3
15. Agricultural and Forest Land Use		13.73	2	3	3	3
16. Energy Efficient Systems		14.95	3	4	3	4
17. Sensors & Computing Systems for Food & Ag.	<u>4</u>	15.05	4	3	3	4
18. Productivity of Range and Pastureland		15.28	4	3	3	3
19. Forest Productivity		15.73	4	4	4	4
20. Effects of Atmospheric Deposit. on Ecosystems		16.63	2	4	4	4
21. Plants for the Urban Environment		17.33	4	4	4	4

*1 = top 25%

2 = upper mid 50%

3 = lower mid 50%

4 = bottom 25%

REPORT OF
 ESCOP SPECIAL INITIATIVES SUBCOMMITTEE
 ASSOCIATION OF WESTERN AGRICULTURAL EXPERIMENT STATION DIRECTORS
 by
 R. D. Heil
 November 1987

The ESCOP Special Initiatives Subcommittee met on September 17-18, 1987, in Denver, CO. Following is a brief summary of agenda items discussed and action taken.

AGENDA ITEMS AND ACTION TAKEN

1. Low input Agricultural Systems: Legislative status and appropriation progress reviewed. Final appropriation action has not taken place in Congress. No action taken by committee.
2. Food Engineering and Technology Centers: In 1986, ESCOP appointed an ad hoc subcommittee to develop a research-needs statement on "Enhanced Technologies for Food and Non-Food Uses of Raw agricultural Products." Dr. Liska, Chairman of the subcommittee, distributed and discussed a draft paper containing the recommendations of the subcommittee entitled, "Enhanced Research Agenda for Value Added Food and Non-Food uses of Agricultural Products". Portions of the research recommendations for food are contained in the Special Initiatives Subcommittee recommendation for a high priority research initiative in Food, Nutrition and Health.
3. National Center for Food Marketing Policy. This agenda item is interrelated with agenda item 5. There is a North Central Regional Research project on Food Marketing Policy. An ESCOP appointed ad hoc subcommittee on "Domestic and International Policy and Markets," chaired by Dr. A. F. McCalla, is drafting a final report that will include research initiatives for Food Marketing and Policy. No action is required by the ESCOP/SIC.
4. Food Safety/Animal Health/Toxicology: The emphasis here is on on-farm animal health and its relation to food safety. This is included as a funding initiative in the FY-1989 ESCOP budget request to USDA. The ESCOP/SIC has included this initiative in the high priority initiative in Food, Nutrition and Health.
5. Agricultural Policy and Technological Assessment: Three separate national committees are preparing research needs assessments on this initiative i.e., the Zuiches ESCOP Subcommittee (Agenda item 9, Attachment III), the NASULGC Committee chaired by Dave Call, and the Social Science Agricultural Agenda project. Pending the recommendations forthcoming from these committees, no additional action by the ESCOP/SIC is needed at this time.
6. Human Nutrition, Diet and Health: The ESCOP/SIC will recommend to ESCOP during the November meeting a high priority research initiative in Food, Nutrition, Diet and Health, which will also include elements of agenda items 2, 3, 4 and 5.
7. Sensor Technology: The Special Initiatives Subcommittee will recommend to ESCOP the appointment of an ad hoc subcommittee to develop a research thrust paper which will include sensors, robotics, computer technology, and artificial intelligence.
8. Utilization of Agricultural Products for Non-Food Uses: The briefing paper prepared by Scott and the discussion by Lund of Senate Bill 970 resulted in the motion to recommend to ESCOP the appointment of an ad hoc subcommittee to develop a research implementation plan.

9. **Agriculture and Community Viability:** Dr. Zuiches discussed a first draft of the ESCOP Task Force report. Discussion issued on whether the title should be Rural or Community Viability. No additional action was recommended.
10. **Pesticide Resistance:** A draft of the ESCOP Subcommittee report on critically needed research initiatives and proposed research grants program was discussed. No action was recommended.
11. **Biological Control:** This initiative needs to elicit the input and cooperation of the pesticide resistance and non-chemical control interests. No action was suggested.
12. **Agricultural System Leadership Developments:** Dr. Buchanan distributed and discussed a review paper of assumptions and needs. Questions were raised about the Leadership Program under development by the CSRS Research Management Standing Committee. Dr's Buchanan, Boyd, Sauer, Pierro and Zuiches were asked to develop an implementation concept for presentation at a November meeting of ESCOP.
13. **Research Equipment:** Considerable discussion resulted from a position paper presented by Dr. Boyd. Although no specific action was taken, the committee will continue to seek alternatives to funding research equipment acquisition.
14. **Other Issues:**
 - a. How can SAES Directors stop supporting low priority or no longer needed research. While situations differ, are there some common guidelines to consider.
 - b. What should SAES's be doing to assist with the assimilation into the market place on new products produced by research? Discussion centered around patent law, patent protection, cooperative research with private corporations. This appears to be an open-ended question with few common elements.
 - c. Social and Environmental issues that impact upon the business of conducting agricultural and forestry production enterprises. Dr. Mace will prepare a briefing paper for the March meeting.

Specific Committee Member Assignments on Action Taken

1. Zinn, Voss, Liska, Kalter, Heil. Develop recommendation to present to ESCOP on November 11, 1987, for the high priority research initiative, "Interrelationships of Food and the Nutritional and Health Status of People."
2. Scott, Boyd. Develop recommendation to present to ESCOP on November 11, 1987, that will combine sensor technology, effective computer use, expert systems and robotics into a single initiative.
3. Scott, Lund, Liska. Develop recommendation to present to ESCOP on November 11, 1987, to establish an ESCOP ad hoc committee to design a non-food use research implementation plan.
4. Buchanan, Boyd, Sauer, Pierro. Develop recommendation to ESCOP in November on System Leadership Development.

Next meeting of the ESCOP Special Initiatives Subcommittee will be March 29-30, 1988 in Washington, D.C. Zinn will make the meeting arrangements. Included in the first session the morning of March 29 will be a "futurist" presentation on the demographics, social and economic situation in the year 2000.

REPORT OF THE COMMITTEE OF NINE
TO
WESTERN ASSOCIATION OF AGRICULTURAL
EXPERIMENT STATION DIRECTORS

September 14 - 16, 1987

The Committee met at Stowe, Vermont September 14-16, 1987. Present were A. M. Smith (Chair), S. E. Leland, R. R. Johnson, M. H. Niehaus, L. J. Pierro, R. L. Thompson, K. W. Tipton, D. E. Schlegel, M. J. Woodburn and E. M. Wilson.

There were an unusual number of projects for review (28) at this September meeting and the schedule was very full. Of the 28 projects 10 were new and the remainder were revisions of existing projects. Four projects were rejected and one was deferred. The Committee of Nine continues to be concerned about projects that do not show a truly regional approach, or in other words are really a Coordinating Committee. Project objectives should be realistic within the time frame and there needs to be a clear focus on some specific goals. The regionality and coordination issues were key factors in the rejections and deferrals.

There has been a continually rising awareness on the part of the Committee of Nine on the necessity for projects to be written in such a way that individuals who are not scientists can read them and gain some understanding of the work being proposed. Another problem has been the quality of the presentations... major typographical errors, pages missing, references cited but not matched with a specific citation. It is recognized that these latter issues will not affect the conduct of the research, however, it does reflect poorly on the institutions involved if it is scrutinized by congressional staff or others who are interested in the field.

Finally, during recent years the Committee has set aside a \$20,000 contingency fund for IR projects. Typically the fund has not been used and each of the IR projects are advised that limited funding is available for urgent unfilled needs and the funds are distributed after the May meeting of the Committee. There was a consensus that these funds were not always well spent in the short period remaining in the fiscal year. Consequently, it was recommended the Committee discontinue the practice of establishing a contingency fund and assign all funds to the regions each year in May.

The Committee on Interregional Projects has been appointed. This committee is to review such things as the criteria for establishing new projects, basic functions of IR projects, service activities vs research, procedures and guidelines, funding mechanisms, effectiveness of IR mechanism, distinction between IR projects and regional projects, mechanisms for termination, IR project reviews, new IRs and funding levels. (WAAESD strongly supported the appointment of such a committee at their July meetings in Reno.) The Committee includes Bill Benton (Assoc. Dean of Veterinary Medicine, DE), Clive Donoho, Keith Huston, M. H. Neufville (Dean, School of Agricultural Sciences, MD), Estel Cobb, Ted Wilson and myself.

David E. Schlegel

Western Association of Agricultural Experiment Station Directors Meeting
November 11, 1987
Washington, D.C.

Report Submitted
by
Colin Kaltenbach

Agenda Item 12.3 Users Advisory Board

One of the special thrusts for ESCOP this year was to establish a better relationship with the Users Advisory Board. Accordingly, I appointed myself as the liaison to UAB and attended all their meetings. I believe most of the UAB take their job very seriously and for the most part, are supportive of the system.

I do perceive one problem with the UAB and that is in some instances they are forced to make decisions without necessarily being apprised of all the available information. I believe this is our fault. It is an issue that needs our constant attention. For example, at the recent meeting in Orlando a table of information showing Federal grant dollars, exclusive of USDA funds, received by each of the experiment stations for FY79, FY82 and FY85 was distributed. In many instances these grants represent only a very small percentage of the total experiment station budget. This was interpreted not only by UAB but also by representatives from the National Science Board and NSF who attended the meeting, as a lack of competitiveness by SAES scientists.

The data, of course, were generated from the CRIS system but I do not believe that the available information presents a complete picture. In fact, I am positive that many stations report only those grants and contracts tied to CRIS projects and that this information does not contain **all** grants and contracts obtained by our scientists. Unfortunately, this situation has led to the conclusion that we are not competitive and therefore we have a poor image among the scientific community. I believe it to be in our best interests to compile the most complete information possible, therefore I asked the chairmen of all the regional associations to discuss this issue and if there is concurrence, to request all the directors to provide updated information by completing and forwarding the attached table to my office by December 1.

Our system is not perfect and I believe constructive criticism is welcomed. It is essential, however, for such criticism to be based on factual information. The assistance of all directors in this effort is very much appreciated.

I have had the opportunity to present the ESCOP budget to the UAB on two separate occasions. The information that we have developed has been in their hands for some time and I plan to provide them with at least a summary of the information again just prior to their February meeting at which time they make budget recommendations.

I was very impressed with the new members of the UAB who attended their first meeting in Orlando. I believe it is extremely important for local directors to work closely with the UAB members from their states.

Please forward the following table to me at the address listed below by December 1:

Colin Kaltenbach
Director, Agricultural Experiment Station
Box 3354, University of Wyoming
Laramie, WY 82071

TOTAL FY86 (OR CALENDAR YEAR) DOLLARS IN SUPPORT OF SAES ACTIVITIES

Station _____

Appropriated dollars

State _____

Federal _____

TOTAL grants and contracts
Federal grants other than USDA _____

Other dollars _____

Grand total _____

DISPOSITION OF FEDERAL FUNDS
FROM AGENCIES OTHER THAN THE USDA
INTO OUR STATE AGRICULTURAL EXPERIMENT STATIONS
1979 TO 1985

MEETING OF THE JOINT COUNCIL AND USERS ADVISORY BOARD
OF THE U.S. DEPARTMENT OF AGRICULTURE
October 26, 1987

William E. Marshall, Chairman UAB

SUMMARY

An analysis was made of funds granted by peer review to State Agricultural Experiment Stations for the years F'79, F'82 and F'85. Over that time period funds from agencies outside of the USDA granted to SAES have risen from \$60.9 million to \$90.3 million, an increase of 48%.

We have witnessed over the past ten years increases in federal funds for agencies outside of the USDA that support research and development in general, and to a certain extent research in agricultural sciences. This trend appears to be continuing.

As one examines the 54 SAES, one sees a rather lopsided picture of some institutions receiving substantial funds from those agencies while the majority receive very little or none.

What does this trend signify for the quality and quantity of future research, extension and resident instruction in those colleges of agriculture that have an increasingly difficult time in obtaining federal dollars. What does this lopsided distribution mean? Do we have only a few experiment stations that are capable of doing research in the new biological foundations of agriculture? Do most of our experiment stations encourage investigators not to apply for "soft money?" Are there only \$90,300,000 out of the total \$6,000,000,000 for R & D appropriate to agriculture?

FEDERAL FUNDS FROM AGENCIES OTHER THAN THE USDA TO SAES

	<u>F'79</u>	<u>F'82</u>	<u>F'85</u>	<u>% of SAES</u> <u>F'85 Total</u>
		(\$ in thousands)		
ALABAMA	342	747	302	1.4%
ALASKA	7	0	0	0
ARIZONA	781	1354	841	4.6
ARKANSAS	122	349	622	2.8
CALIFORNIA	8648	10626	12915	12.0
COLORADO	6137	14057	11997	42.0
CONNECTICUT	428	0	914	11.0
DELAWARE	20	90	166	3.5
DISTRICT OF COLUMBIA	0	0	0	0
FLORIDA	2165	3151	2718	4.8
GEORGIA	309	342	609	1.7
GUAM	0	0	0	0
HAWAII	301	280	294	2.6
IDAHO	171	714	335	3.0
ILLINOIS	857	706	1522	6.5
INDIANA	3931	3811	4213	13.0
IOWA	1180	1030	1049	3.7
KANSAS	853	2437	2235	8.0
KENTUCKY	47	2	0	0
LOUISIANA	161	456	415	1.3
MAINE	417	60	410	5.0
MARYLAND	16	72	0	0
MASSACHUSETTS	290	362	178	2.4
MICHIGAN	1956	2724	2046	7.0
MINNESOTA	929	1371	1089	3.2
MISSISSIPPI	160	291	363	1.3
MISSOURI	1015	1655	1653	8.2
MONTANA	700	423	289	2.4
NEBRASKA	633	1259	890	2.9
NEVADA	56	167	363	7.4

Federal Funds from Agencies
Other than the USDA to SAES
Page 2

	<u>F'79</u>	<u>F'82</u>	<u>F'85</u>	<u>% of SAES</u> <u>F'85 Total</u>
		(\$ in thousands)		
NEW HAMPSHIRE	0	0	16	0.5%
NEW JERSEY	814	227	534	4.1
NEW MEXICO	95	52	58	0.6
NEW YORK	6153	7275	10767	20.0
NORTH CAROLINA	2143	2649	4020	8.0
NORTH DAKOTA	207	370	267	1.5
OHIO	587	296	55	0.2
OKLAHOMA	591	499	193	1.1
OREGON	2851	3562	5407	2.1
PENNSYLVANIA	327	608	723	3.8
PUERTO RICO	276	376	17	0
RHODE ISLAND	728	692	300	11.5
SOUTH CAROLINA	25	0	0	0
SOUTH DAKOTA	89	70	0	0
TENNESSEE	1927	175	174	1.0
TEXAS	907	1340	3497	5.5
UTAH	744	765	767	7.5
VERMONT	92	126	254	6.6
VIRGIN ISLANDS	0	0	0	0
VIRGINIA	1458	2497	2783	9.3
WASHINGTON	1991	2027	2598	11.0
WEST VIRGINIA	93	2	34	0.6
WISCONSIN	6031	5298	8869	23.0
WYOMING	141	321	549	9.6
	\$60,902	\$77,762	\$90,319	
% of All Sources	8.5%	8.2%	7.9%	
Total All Sources	<u>\$718,052</u>	<u>\$952,297</u>	<u>\$1,145,957</u>	

REPORT OF JOINT COUNCIL TO WDA

L. W. Dewhirst

November 11, 1987

The Joint Council on Food and Agricultural Sciences met in Orlando, Florida, October 26 and 27. The first day was a combined meeting including the memberships of the Joint Council and the National Agricultural Research and Extension Users Advisory Board. ESCOP's two representatives, L. W. Dewhirst and N. P. Clarke, were in attendance for the entire meeting. Drs. C. Kaltenbach and L. L. Boyd attended the Users Advisory Board.

New Approaches to Enhance Agricultural Biotechnology was the subject of the first day's discussion "to explore ways to merge traditional agricultural science and education with existing expertise outside the system to enhance the potential of agricultural biotechnology." The combined group heard presentations by Ralph E. Christoffersen, The Upjohn Company; Mary Clutter, NSF; and Charles B. Browning, Oklahoma State University before dispersing into six Workgroups on 1) Federal Laboratory Role, 2) Industry Role, 3) Scientific Training, 4) Opportunities for Colleges and Universities with Limited Biotechnology Expertise, 5) Administration of New Approaches and 6) Technology Transfer/Extension.

The second day was devoted to a discussion of the 1988 Five-Year Plan Assessment and the adequacies of a new format linking Issues and Challenges with Goals and Objectives. I believe this will be an excellent Assessment.

Finally, the Joint Council devoted the last half day to a discussion of Joint Council: Forum For Change attempting to clarify its role in addressing the challenges and issues that face food and agriculture.

The next meetings of the Joint Council are January 21-22 and April 14-15.

WESTERN REGIONAL AQUACULTURE CONSORTIUM

REPORT TO WAAESD
NOVEMBER 11, 1987
MARRIOTT HOTEL, WASHINGTON, D.C.

Summary

The Western Regional Aquaculture Consortium (WRAC) has made significant progress in finalizing an organizational structure, prioritizing research/extension activities and allocating funds to program areas. WRAC is presently positioned to initiate research/extension projects contingent upon University of Washington's issuance of contracts to designated cooperating institutions.

Report

Priority areas for the aquaculture industry were identified in early spring of 1987. The priority initiatives were identified by the Technical Committee including industry representatives and researchers from the existing consortium states. A call for proposals was circulated to AES Directors of land grant institutions and other institutions with known aquaculture research programs. Dr. Graham Gall (UC-Davis) coordinated the development and peer review of the projects submitted. The Industrial Advisory Council and the Technical Committee met in Seattle, WA on September 22-23 to review proposals submitted by the permanent Work Groups.

The WRAC Board of Directors met in Juneau, Alaska on October 1 and 2 for the purpose of allocating funds for submitted projects. Recommendations made by the Technical Committee/Industrial Advisory Committee were generally accepted. However, some adjustments were made to permit flexibility in the long term goals. Projects funded by level and time period were as follows:

1. Control of Infectious Hematopoietic Necrosis (\$300,000 over 3 years).
2. Alternative Protein Sources (\$300,000 over 2 years).
3. Extension (\$60,000 continuous).
4. Broodstock Development and Improvement (\$225,000 over 3 years).
5. Broodstock Nutrition-Maturation/Reproduction (\$225,000 over 3 years).
6. Shellfish Sanitation (Fund task force to develop proposal).
7. Sex Control (Proposal rejected--request new proposal).

Some resources are being held in reserve to permit flexibility in the organization and allow new additional priorities to be addressed. If the FY 89 USDA budget is increased, additional funds will be used to strengthen existing projects and initiate new programs. University of Washington received notice of CSRS funding on October 1, 1987 (for FY 87). Subcontracts will be forwarded in the near future.

The WRAC continues to be ahead of the other Centers in program development but the Southern and Eastern Centers have made significant progress. There is excellent cooperation among the scientists in the west and the leadership of Dr. Graham Gall as Technical Committee Chairman is a major contributing factor.

Action was taken to include the Ex-Officio delegates from Cooperative Extension (Dr. Ernie Smith, OSU) and the Western Association of Agricultural Experiment Stations as WRAC Board members.

Tentative Agenda

ESCOP/CSRS
NEW SAES ADMINISTRATORS WORKSHOP

April 26-27, 1988
Denver, Colorado

TUESDAY, APRIL 27

- 7:30 am Get acquainted continental breakfast
- 8:30 am Introductions - Purpose of Workshop
Dale W. Zinn
- The State Agricultural Experiment Stations:
A Federated System for Agricultural Research
Organization - Structure - Function
- 8:45 - 9:15 am The SAES Legal Authority and Historical
Perspective - J. E. Halpin
(Legal authority and responsibilities as
contained in the several federal legislative
acts, policies as promulgated from
time-to-time by USDA and by the Congress,
allocation of funds under the various acts,
and scope of research.)
- 9:15 - 9:45 am Regional-National Integration of SAES
Dale W. Zinn
(The state-federal partnership, structural
framework of research, organization of the
SAES system - regional - national, Division
of Agriculture - NASULGC.)
- 9:45 - 10:15 am Experiment Station Committee on Organization
and Policy (ESCOP)
Clive Donoho
(Purpose, Membership, Subcommittees, etc.)
- 10:15 - 10:35 am Refreshment Break
- 10:40 - 11:15 am ESCOP Research Planning Subcommittee
Neville Clarke
(Regional/National Agricultural Research
Committees, Interaction with Joint Council,
ESCOP Budget Subcommittee, etc.)
- 11:15 - 11:45 am The Cooperative State Research Service -
Mission and Role
J. Patrick Jordan
(Purpose, responsibility as federal partner,
relation to state program - Director,
ESCOP, Budget.)

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11:45 am - 1:15 pm Lunch

1:15 - 1:45 pm ESCOP/CSRS Development of the Fiscal Year
Proposed Budget
Robert Gast and/or Charles R. Krueger
(Methodology, time tract, etc.)

1:45 - 2:15 pm Federal Advocacy of CSRS Budget
R. Sauer, Robert Gast, Richard Joyce,
Charles R. Krueger
(Panel Discussion)

2:15 - 2:45 pm State Advocacy of SAES Budget
Neville Clarke, Donald Crossan,
Bill Baumgardt
(Panel Discussion)

2:45 - 3:15 pm Refreshment Break

WEDNESDAY, APRIL 27

Regional Research Funded Programs

8:00 - 8:45 am Regional Research Projects - Interregional
Projects - Edward M. Wilson
(Criteria for establishing, basic functions,
procedures for establishing, station director
responsibilities.)

8:45 - 11:00 am Functional Role and Responsibilities of
Administrative Advisor, Technical Committee,
Regional Research Committee, Committee of
Nine, CSRS Regional Research Division
Landis L. Boyd, D. E. Schlegel, Edward Wilson

11:00 am - 1:00 pm Regional Association Break-Out Groups
Policies, Procedures, Functions
Discussion led by Regional Chair and DAL

1:00 pm Adjourn

- 8:00 am The Executive-Congressional Process
Dr. Dale Stansbury, Director
Governmental Relations for
Agriculture, NASULGC
- 8:45 am Building Federal Budget
Recommendations for the Cooperative
State Research Service, and the Office
of Grants and Program Systems, USDA
Dr. C.R. Krueger, Associate Director
The Pennsylvania Agricultural
Experiment Station and Chairman,
FY1988 ESCOP Budget Subcommittee
- 9:30 am Discussion with Session IV Speakers
- 10:00 am Refreshment Break and
Group Discussion

SESSION V

- 10:30 am Public-Private Partnership
Industry's Mission and Role in Support
of SAES Programs
Dr. Gideon Hill
Director of Biology
Research and Development
E.I. du Pont de Nemours and
Company
- 11:30 am The Agricultural Research Institute
(ARI) Mission and Role in Support of
Agricultural Research
Mr. Stan Cath, Executive Director
ARI, Bethesda, MD
- 12:15 pm Lunch—Check out of Hotel

SESSION VI

- Information Resources
- 1:30 pm The National Agricultural Library (NAL)
Utilizing Its Resources
Mr. Joseph Howard, Administrator
NAL, Beltsville, MD
- 2:15 pm The Current Research Information
System (CRIS)—Utilizing Its Resources
Mr. John Myers, Director
NAL, Beltsville, MD
- 3:00 pm Workshop Evaluation
- 3:30 pm Adjourn

NORTHEASTERN REGIONAL ASSOCIATION OF STATE AGRICULTURAL EXPERIMENT STATIONS



MANAGING RESEARCH IN THE PUBLICLY SUPPORTED AGRICULTURAL RESEARCH SYSTEM



Hatch Act Centennial
1887-1987

Research Managers' Workshop for Newly Appointed Administrators

Capitol Holiday Inn
550 C Street, S.W.
Washington, DC
June 1-4, 1987

Program

Monday, June 1

3:00-6:00 pm Check into Hotel

6:00-8:00 pm Registration—Reception

Tuesday, June 2

SESSION I

- 8:00 am Introduction
Welcome and Introductions
Dr. Dale W. Zinn, Director-at-Large
Nature of Participants
Expected Workshop Outcomes
Procedures and Sequences
- 8:30 am Your Role as a Research
Administrator—Putting It All Together
Dr. Donald F. Crossan,
Dean and Director
College of Agriculture
The University of Delaware
- 9:45 am Refreshment Break and
Group Discussion

SESSION II

- 10:15 am Management for Productivity—
Interpersonal Relations
Administration, Department Head,
Faculty—A Perspective of Their
Relative Roles and Expectations
Dr. Lamartine (Lam) Hood
Dean and Director
College of Agriculture
The Pennsylvania State University
- 11:45 am Lunch
- 1:00 pm Interpersonal Relations—
You and Your Employees
Dr. James Harris, Head
Personnel and Leadership
Development
University of Georgia
- 3:00 pm Refreshment Break
- 5:00 pm Recess for Dinner

Wednesday, June 3

- 8:15 am Interfacing the State Agricultural
Experiment Station/State Cooperative
Extension Programs—Overcoming
Roadblocks
Dr. Myron D. Johnsrud
Administrator
Cooperative Extension Service, USDA

- 9:30 am Refreshment Break and
Group Discussion
- 10:00 am Managerial Experiences of a
Department Head—A Case Study
Dr. J.P. Wangness
Head, Department of Dairy and
Animal Science,
The Pennsylvania State University
- 11:30 am Group Luncheon
The National Science Foundation—
Restoring Competitiveness to U.S. S&T
Dr. Mary Clutter
Senior Science Advisor
Director's Office
National Science Foundation

SESSION III

- 1:15 pm The Publicly Supported Agricultural
Research System
A State-Federal Partnership
Regional-National Integration of State
Agricultural Experiment Stations
Dr. Dale W. Zinn, Director-at-Large
NE Regional Association of State
Agricultural Experiment Stations
- 2:15 pm The State Agricultural Experiment
Station System—Mission and Role
Dr. Keith Huston, Director-at-Large
North Central Regional Association
of State Agricultural Experiment
Stations
- 3:00 pm Refreshment Break and
Group Discussion
- 3:30 pm The Cooperative State Research
Service—Mission and Direction of
Future Activities
Dr. John A. Naegele, Chairman
Strategic Planning Committee
Cooperative State Research Service,
USDA
- 4:30 pm The Agricultural Research Service
Mission—Cooperative Interactions
Dr. William Tallent
Assistant Administrator for
Cooperative Interactions
Agricultural Research Service, USDA
- 5:15 pm Recess for Dinner

Thursday, June 4

SESSION IV

- The Federal Legislative Appropriations
Process in Support of Agricultural
Research

