

Spring Meeting, Western Experiment Station Directors
February 17, 18, 19, 1954
Berkeley, California

The meeting was called to order at 10:00 a.m., February 17, by Chairman Sharp. Those attending were:

- P. F. Sharp, Chairman, California
- H. M. Briggs, Secretary, Wyoming
- A. S. Curry, New Mexico
- R. H. Walker, Utah
- C. E. Fleming, Nevada
- J. E. Kraus, Idaho
- F. E. Price, Oregon
- R. W. Henderson, Oregon
- R. M. Alexander, Oregon
- J. C. Knott, Washington
- M. T. Buchanan, Washington
- S. S. Wheeler, Colorado
- M. M. Kelso, Montana
- P. S. Eckert, Arizona
- F. N. Briggs, California
- H. R. Wellman, California
- F. D. Fromme, Office of Experiment Stations

DIRECTOR'S OFFICE
RECEIVED
 MAR 8 1954
 AGRICULTURAL EXPERIMENT
 STATION
 BOZEMAN MONTANA

Buchanan moved we approve the minutes of the last meeting without reading; Curry seconded and the motion carried.

Next meeting

It was announced the next meeting would be held at Las Cruces, New Mexico, on May 19-21. Officials of the U.S.D.A. will be invited. Curry described tentative arrangements and the group suggested he complete arrangements, with the ranch trip on Saturday morning.

Scheduling technical meetings

Sharp mentioned the problem of scheduling technical committee meetings. Dr. Fromme mentioned it would aid O.E.S. if our technical meetings were so scheduled that one representative of their office could attend several meetings on the same trip. Fromme suggested all meeting dates be set far enough in advance to allow planning and schedule arrangements. It was suggested by Eckert that meeting announcements and reports carry project names as well as numbers. The group concurred.

Two meetings each year

Buchanan moved we schedule two meetings a year with the winter meeting in Berkeley, mainly to consider 9b3 matters and meet with the Regional Laboratory personnel, while the summer meeting would rotate among Stations. Eckert seconded and the motion was affirmed.

Master Memorandum

Fromme described the master memorandum, approved for future use, whereby we will no longer need to sign memoranda for various projects. Copies were distributed for examination. Fleming moved we approve in principal the idea of a master memorandum. Kelso seconded and the motion passed.

Joint Meetings with Extension

H. M. Briggs suggested the Chairmen of the Western Experiment Directors and Western Extension Directors get together to work out dates for a joint meeting once each year. Henderson moved Chairman Sharp confer with the Chairman of the Western Extension Directors and report at the Las Cruces meeting. After a second by Eckert, the motion prevailed.

Advisory committees

Eckert reported on a survey of commodity or advisory committee groups. Eleven states were contacted and ten had reported excellent relations with such groups. Most states in the Western region have an overall committee for their College of Agriculture. Varying types of organizations in operation in the West were described.

House hearings

Buchanan mentioned Knott should represent us at the hearings in Washington, D. C., before the House Appropriations Committee on February 26. Eckert moved and Curry seconded the approval of Knott as a substitute for Buchanan at the hearing and the motion carried.

W-7

Wheeler moved we reaffirm approval of objective 4 of project W-7 "to study the environmental factors influencing the genetic variability of reproduction in turkeys." Curry seconded and the motion was adopted.

W-26 dropped

It was moved by Wheeler that W-26 be dropped. Buchanan seconded and the motion carried.

1955 9b3 allotments

Sharp presented figures for 9b3 targets as follows:

<u>Region</u>	<u>1954</u>	<u>1955</u>
West	\$361,350	\$697,637
Northeast	301,100	580,890
South	421,500	814,385
North Central	<u>390,850</u>	<u>754,588</u>
	1,474,800	2,847,500
IR-1	18,800	20,500
Committee of Nine	<u>6,400</u>	<u>7,000</u>
	1,500,000	2,875,000

Hence, we are to use a target increase of \$336,287 for the Western Region in 9b3 funds. This includes a twenty-one percent allotment for marketing or \$146,500.

The meeting recessed at 11:50 a.m. and reconvened at 1:15 p.m.

Alaskan allotment

Henderson moved we include Alaska for an amount of \$5,000 in WM funds for 1954-55. Buchanan seconded and discussion followed. Curry mentioned that in the original thinking, funds had been allotted on a commodity basis and that the West had received cotton research funds from the South, but there had been a change of "heart" on the part of the South--he predicted a change of policy was coming to straight regional financing. Dr. Fromme pointed out he had seen no evidences of such a change in the various regions and mentioned several instances of very successful interregional cooperation. Eckert stated he felt we should have evidence that Alaskan marketing problems are more akin to the West than to the North Central. The question was called for and there were five votes for and three against with the chairman and secretary not voting and Kelso being absent at the moment.

Project allocations

The Chairman pointed out that to meet the target of \$146,500 for marketing in the West, we must increase the proposed minimum figure from the WAERC. Buchanan moved we set a marketing project ceiling of \$150,000 and Fleming seconded. Discussion followed and Walker suggested we keep all allocations tentative. The motion carried. The Chairman pointed out we are now to consider \$547,637 for non-marketing projects or an increase of \$278,787 for W projects.

Kraus recommended we list suggested allocations received from technical committees with administrative advisors supplying the

suggested allotments. The listing in the column designated "tentative allocation" was placed on the board and after much discussion, the column headed "allocation, if funds are available" was completed.

Minimum of Marketing \$146,500
Tentative allocation to Marketing 150,000
Tentative allocation to Non-Marketing 547,637

Current W Projects	Tentative allocation	Allocation if funds available
W-1 Beef Breeding	\$82,000	\$82,000
W-2 Dairy breeding	30,000	30,000
W-4 Nutritional status	55,000	55,000
W-5 Poultry diseases	13,100	11,000
W-6 New plants	44,000	33,000
W-7 Turkey breeding	14,000	14,000
W-8 Housing	31,000	31,000
W-9 Soil-Water Management	58,000	52,400
W-11 Weed control	50,000	40,000
W-12 Bean breeding	21,000	20,000
W-15 Nematodes	2,000	---
W-16 Range economics	25,600	20,500
W-22 Virus of stone fruits	18,700	20,100
W-23 Forage	41,000	35,637
W-24 Cotton mechanization	12,000	12,000
W-25 Range improvement	50,000	50,000
W-26 Economics of weed control	---	---
	<hr/> 547,400	
New W Projects		
W-27 Vibriosis disease	17,500	17,500
W-28 Irrigation engineering	20,000	12,500
W--(no outline) Range Nutr. (Plants (Animals 50,000	---	---
W-- Water resources	---	---
	<hr/> 87,500	
	Marketing Projects	\$536,637
	Total	<hr/> 161,000
		\$697,637

The meeting recessed at 5:20 p.m. and it was agreed budget discussion would continue the following afternoon. We enjoyed a buffet dinner at the Sharps.

Meeting at regional lab.

The meeting at the Regional Laboratory in Albany was called to order by Chairman Sharp at 9:10 a.m. and after appropriate remarks he turned the meeting over to Dr. W. B. Van Arsdel, Associate Director of the Laboratory, who welcomed the group and mentioned some aspects of the reorganization of U.S.D.A. as it affects the Western Utilization Research Branch.

Dr. Floyd DeEds, of Pharmacology Investigation, discussed the relationship of the chemical composition of legumes with bloat in ruminants. Bloat may be the result of a combination of chemical and physical factors.

Dr. Alvin Klose, of the Poultry Products Division, discussed problems related to the scalding of poultry. High temperatures

reduce picking costs, but remove the cuticle from the skin and result in drying following picking and toughening of the skin and meat of the cooked bird. Freezing is also an important factor in preserving quality.

The recent work in wool research was described by Dr. Harold Lundgren. He pointed out various types of degradation that occur in wool from the sheep's back through the manufacturing processes. Problems in scouring, shrinkage, felting, etc., were mentioned and research and progress described. The research is still in the fundamental stage, but practical application of promising developments will be pursued.

Mr. E. F. Jansen told of work on fruit juice powders, especially on orange juice powders. The methods of desiccating and "locking in" flavors that have been developed were outlined. Orange juice powder has been used by the Quartermaster Corps, but other dried powders are still in laboratory stages.

The temperature tolerances of frozen foods were discussed by Dr. Harold Olcott. He pointed out that in 1953, 3.4 billion lbs. of frozen foods were processed, of which 30 percent was vegetables, 14 percent concentrates, and 14 percent fruits. Objective tests have been made on various products that have been subjected to varying controlled conditions; types of degradation resulting from temperature changes and length of storage were described on various frozen products.

The meeting adjourned for lunch at 12:15 p.m. and reconvened on the Univ. of California campus at 1:30 p.m.

Marketing allotments

Curry moved the study on grain storage become a marketing project; Buchanan seconded and the motion carried. Buchanan moved we keep the marketing figure at \$150,000 and add the \$11,000 for grain storage to it to bring the total to \$161,000 for marketing; Kraus seconded and the motion passed.

Approval of budget

Eckert moved we approve the above allotments (see page 3). Kraus seconded and the motion prevailed.

New numbers

New project numbers were assigned. The vibriosis project becomes W-27; irrigation, W-28; grain storage, WM-16; frozen foods, WM-17; eggs, WM-18; fruit packing, WM-19; hay and feed, WM-20. Numbers W-29 and W-30 are being held in reserve for replacements of W-9.

Administrative Advisor Assignment

The following administrative advisor assignments were agreed upon by the group:

<u>Project No.</u>	<u>Subject</u>	<u>Administrative Advisor</u>
WM-16	Grain storage	Henderson
WM-17	Frozen foods	Sharp
WM-18	Eggs	Eckert
WM-19	Fruit packing	Buchanan
WM-20	Hay and feed	Kelso
W-28	Irrigation engineering	Walker
W-29	(formerly W-9)	Walker
W-30	(formerly W-9)	Walker

The meeting recessed at 5:30 p.m. and reconvened at 8:00 a.m., February 19.

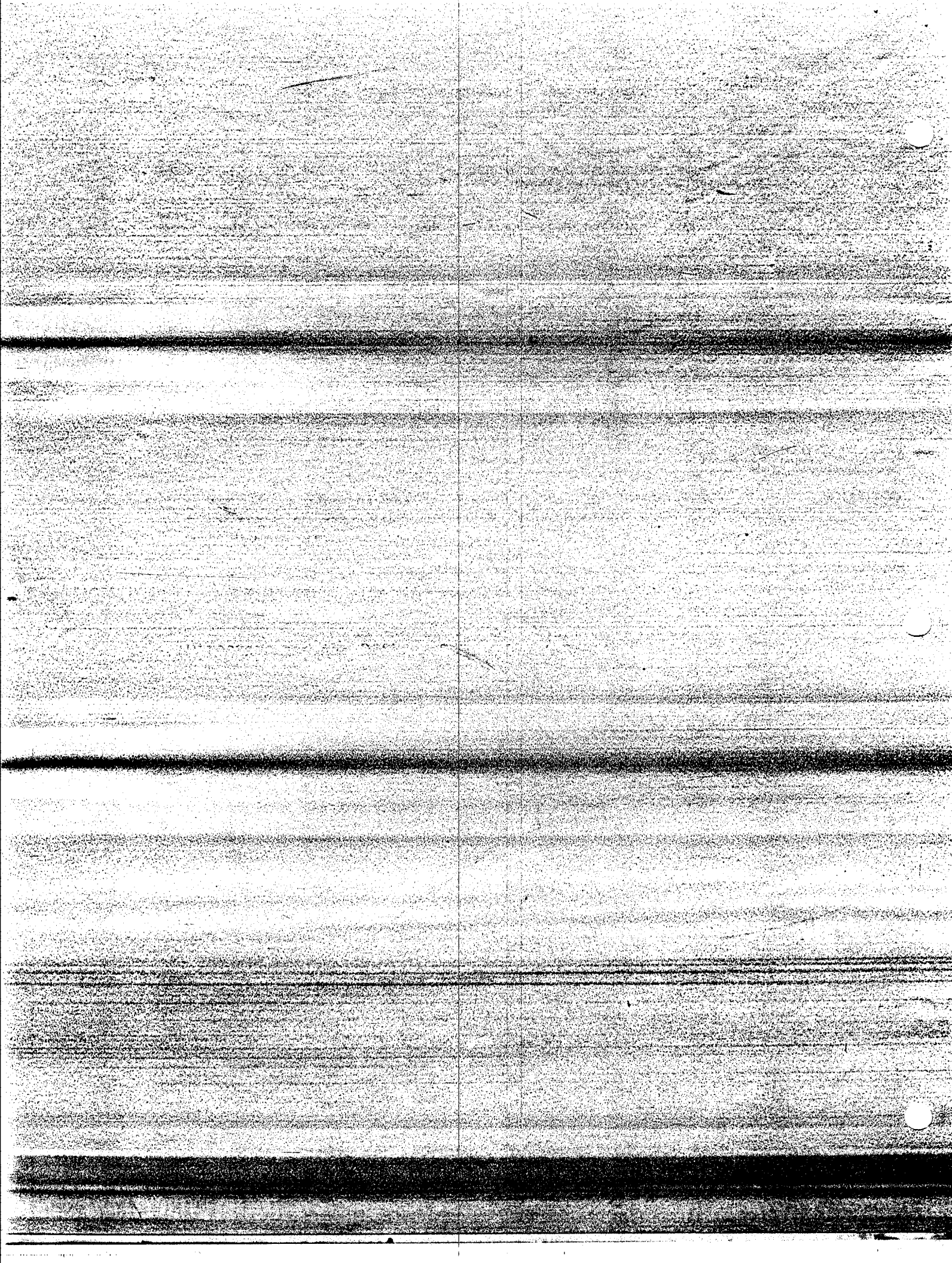


Table 1. Tentative allotments of non-marketing 9b3 funds for 1954-55
 Approved by Western Directors at Berkeley meeting
 February 19, 1954

W-1, The improvement of beef cattle
 W-2, Causes and prevention of breeding failure in dairy cattle
 W-4 Nutritional status
 W-5, Poultry diseases
 W-6, New plants
 W-7, Breeding improvement of turkeys
 W-8, The improvement of rural housing
 W-9, Irrigation and soil management studies
 W-11, Weed control
 W-12, Breeding of dry and snap beans
 W-16, Economics of range land improvement
 W-22, Virus diseases of stone fruits
 W-23, Research on hay and pasture crops for seed and forage production
 W-24, Improvement of Mechanized production and harvesting of cotton in the arid & semi-arid West
 W-25, Improvements of weed control
 W-26, Economics of weed control
 W-27, Vibriosis
 W-28, Irrigation engineering
 W-29, Soil and water
 W-30, Soil structure

State	W-1	W-2	W-4	W-5	W-6	W-7	W-8	W-9	W-11	W-12	W-25	W-16	W-22	W-23	W-24	W-27	W-28	W-29	W-30	Totals
Arizona	4,000				4,000		4,000		2,900		3,000		3,500	3,800	*6,150				6,000	33,850.00
Calif.	5,500	3,000	1,000				*4,000		3,000		4,500	3,000	3,500	3,900	C			2,000	2,000	30,500.00
Colorado	*9,000	2,750			*2,500		6,000		4,600	2,900	3,600	1,500		3,000		3,500	2,000	6,000	2,000	49,350.00
Hawaii	4,500										1,500	4,500								10,500.00
Idaho	6,000	6,000								*7,500	6,600	2,000	*2,700	3,500			3,000	3,500		33,800.00
Montana	7,000	2,750					5,000		5,900		3,600	2,000		3,000		7,500				40,750.00
Nevada	5,500	2,500							4,000		*2,600	*2,000		3,000						19,400.00
New Mex.	9,000								*3,250		2,500	1,800				5,550			5,000	27,100.00
Oregon	9,000	6,000		*1,000		2,000			4,700	2,900	8,700	2,000	4,600	*5,500			3,000	6,500	2,000	53,900.00
Utah	7,000			6,000		2,500	5,000		2,200		3,400		4,600	5,500		3,000	*3,000	*7,000	*3,000	52,900.00
Wash.	6,000	*6,000		1,500	*27,800	2,800	4,000		4,600	2,900	3,600		3,900	3,000		3,000	6,000	4,000	5,000	79,100.00
Wyoming	7,500					1,500			4,550	2,900	4,400	C		3,000		2,500	1,000	2,000		29,350.00
P & C	2,000	1,000	1,500	1,500	1,200	2,000	1,000	1,000	1,000	900	2,000	1,300	800	1,437	300	1,000	500	1,000	700	18,737.00
Trust for other reg. uses			4,000		2,700		2,000				400									2,400.00
Totals	52,000	30,000	55,000	11,000	33,000	14,000	31,000	40,000	20,000	50,000	20,500	20,100	35,637	12,000	17,500	17,500	31,000	16,400	536,637.00	

*Trustee of P & C and trust funds
 1-For operation of regional facility
 C-Cooperator

Change made by [unclear]
 [unclear] 5/2/54

Administrative Revised by
 Tech. Comm. 10/6/54

11/10/54
 8,000
 2,000
 5

17700
 15000
 13100
 23500

Table 2. Tentative allotment on 9b3 marketing projects for 1954-55
 Approved by Western Directors at Berkeley meeting
 February 19, 1954

State	WM-2	WM-4	WM-5	WM-12	WM-13	WM-14	WM-15	WM-17	WM-18	WM-19	WM-20	Totals
Alaska							5,000					5,000
Arizona						10,000						10,000
Calif.		C				3,000	3,000	2,000	4,000			16,000
Colorado	P	6,500		I		2,000	2,000	2,500	5,000			14,500
Hawaii												2,500
Idaho		P		2,500			3,500	C				9,500
Montana		2,500		I			I					9,500
Nevada		2,500			2,500							3,500
New Mexico		2,500										8,200
Oregon	P		4,000	I			4,000	2,500	4,000	2,500		14,000
Utah			3,000	P			3,600		3,500			10,500
Washington	2,000			4,000	6,000			I	5,000	1,500		18,500
Wyoming		2,950		1,500			2,500					10,500
Texas		3,500										5,000
P & C	600	1,900		250	200		750	150	600	300		6,200
Printing	700	1,300		400			700		500			3,600
Trust Fund		3,000										3,000
Total	3,300	29,650	13,650	8,650	8,700	13,150	25,050	7,150	22,600	11,800	6,300	150,000

I - Has INTEREST in the project, but no closely related work. Not eligible for P & C Fund.
 C - Working on a CLOSELY RELATED project, but not a contributing project. Eligible for P & C Fund.
 P - PARTICIPATING with a contributing project, but without 9b3 funds. Eligible for P & C fund.