

# An Assessment of Intercollegiate Meat Judging From 1926 to 1989

G. W. Davis, M. F. Miller, D. M. Allen, and K. L. Dunn

### Abstract

*One thousand, four hundred and seventy former judging team members from twenty-four universities were questioned to measure the positive and negative aspects of Intercollegiate Meat Judging. Intercollegiate Meat Judging improved writing ability, decision making skills, exposed students to animal agriculture, developed concentration ability and provided an opportunity for the pursuit of excellence through competition. The number of regional or national meat judging contests necessary to maximize the benefits from participation was approximately 4.0. Participants believe meat judging is not too competitive and the positive educational benefits should merit continued strong departmental, local, state and national support. Justification exists to obtain additional local and national support to improve a sound educational program which has served animal agriculture well since 1926.*

The objective of all animal scientists as instructors should be to educate students in the most efficient manner possible and to constantly evaluate the success or failure of present and past programs (Kinsman, 1982). The following study was undertaken to measure the opinions both positive and or negative responses from former Intercollegiate Meat Judging team members (1926-1989). The need exists to evaluate the Intercollegiate Meat Judging program (Romans, 1982). The results from this evaluation may help strengthen the present program and might help to make better use of budgeted funds (National Livestock and Meat Board, Meat and Livestock Industry and Universities) for support of Intercollegiate Meat Judging (Huston, 1982). Results obtained from questions concerning awards and the educational and industrial value obtained from meat judging would be invaluable to Instructors and Administrators in Animal Science (Carr, 1982). The objective of this study was to assess the perceived values obtained from participation in Intercollegiate Meat Judging and to develop recommendations based on these data.

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### Materials and Methods

A questionnaire (Table 1) was developed by a special committee of the Intercollegiate Meat Coaches Association to facilitate an assessment of meat judging by former team members. The questionnaire was distributed to a representative of all schools who have previously competed in Intercollegiate Meat Judging between 1926 and 1989. Five Coaches Association representatives served as coordinators for each region. The regions and schools which participated in the present study are presented in Table 2. The questionnaires were summarized and the data was segmented according to decade, region, sex and occupation. Suggestions and comments for individual and team awards, continued support and suggestions for new classes were also summarized (available on request).

### Results and Discussion

Mean values for responses to certain questions (Table 3), indicate that those who participated in Intercollegiate Meat Judging felt that it improved writing ability, decision making skills, exposed students to animal agriculture, improved concentration ability and provided an opportunity for the pursuit of excellence through competition (Carr, 1982). The respondents "disagree" when asked: is meat judging too competitive? Ratings from respondents representing six decades were surprisingly similar (Table 3) and little difference was evidenced between male and female respondents.

The number of regional or national meat judging contests necessary to maximize the benefits from participation was 4.0 with a high standard deviation of 1.4. Respondents who had judged between 1926 and 1949 indicated 3.5 contests were adequate, but persons judging in the 1970's and 1980's recommended 4.3 contests were necessary to maximize the benefits from this activity. These data indicate approximately four contests are needed to maximize improved writing ability, decision making qualities, exposure to animal agriculture and the improved concentration ability obtained from meat judging. Participants indicated that meat judging was not too competitive and ample education merit exists for continued strong departmental, local, state and national support. One of the most common criticisms concerning the college curriculum and training that students received was the lack of confidence and ability to judge and make accurate and competent decisions (Bernthal, 1982). Results from the survey clearly indicate that participants believed that meat judging trains students to make decisions



**Table 5. Question 17. Mean values for certain traits of meat judging ranked according to level of importance to former team members**

Trait	Overall (n=1470)		1926-49 (n=134)		1950-89 (n=1336)	
	Mean value <sup>a</sup>	Rank <sup>b</sup>	Mean value <sup>a</sup>	Rank <sup>b</sup>	Mean value <sup>a</sup>	Rank <sup>b</sup>
Travel	5.9	8	5.8	7T	6.0	8
Writing skill	5.8	7	5.8	7T	5.8	7
Decision making	2.7	1T	2.3	1	2.7	1T
Concentration Dev.	3.7	3	3.3	3	3.7	3
Meat industry Expo.	2.7	1T	2.7	2	2.7	1T
Team competition	5.1	5	4.7	5T	5.1	5
Individual competition	5.2	6	4.5	4	5.3	6
Relating to people	4.2	4	4.7	5T	4.2	4

<sup>a</sup>1 = highest. <sup>b</sup>T = Tie in rank.

based on facts and clearly enhances their decision making and judgmental skills. Respondents indicated that the ability of students to receive a job offer after graduation and their ability to successfully meet the requirements of their employer were clearly related to the level of meat judging a student was able to achieve.

Individual and team awards suggested by respondents indicated that a total of 371 individual and 285 team award suggestions were listed. Based on these data, justification exists for individual and team awards for reasons. The presentation of additional plaques and awards for beef grading also merits consideration.

Suggestions for additional meat judging classes were also given to the Meat Judging Coaches Association of the American Meats Science Association who may wish to consider the inclusion of one of more of these classes in future contests (Bray, 1982). However, 64.9% of the respondents indicated that the educational value of meat judging could not be improved by the addition of new classes.

**Table 6. Question 17. Mean values for certain traits of meat judging ranked according to level of importance to former team members segmented by occupation.**

Trait	University (n=273)	Professional (n=109)	Livestock Industry (n=78)	Agri-business (n=116)	Meat industry (n=149)	Extension/ Vo. Ag. (n=119)	Farming/ Ranching (n=344)	Grad. students (n=137)	Undergrad. students (n=145)
Travel	5.9 (8)	6.0 (8)	6.4 (8)	6.1 (8)	6.2 (8)	5.8 (7)	6.0 (7T)	5.6 (6T)	5.9 (7)
Writing skill	5.2 (5)	5.7 (7)	5.9 (7)	5.6 (7)	5.7 (7)	5.9 (8)	6.0 (7T)	5.6 (6T)	6.2 (8)
Decision making	2.8 (2)	2.7 (1)	2.8 (2)	2.4 (1)	2.9 (2)	2.4 (1)	2.7 (2)	3.3 (2)	3.1 (2)
Concentration development	3.9 (3)	3.4 (2T)	3.7 (3)	3.6 (3)	3.7 (3)	3.8 (3)	3.6 (3)	4.0 (4)	3.8 (4)
Exposure to meats industry	2.4 (1)	3.4 (2T)	2.0 (1)	3.3 (2)	2.0 (1)	2.6 (2)	2.5 (1)	2.5 (1)	2.9 (1)
Team competition	5.4 (6)	4.7 (5)	4.7 (5T)	5.1 (6)	5.4 (6)	5.2 (5)	5.0 (5)	5.3 (5)	4.8 (5)
Individual competition	5.5 (7)	1.9 (6)	4.7 (5T)	4.9 (5)	3.1 (5)	5.7 (6)	5.3 (6)	5.9 (8)	5.2 (6)
Relating to people	4.6 (4)	4.1 (4)	4.1 (4)	4.3 (4)	4.4 (4)	4.2 (4)	4.1 (4)	3.6 (3)	3.5 (3)

Miscellaneous occupations listed by 207 respondents were not summarized. Professional - dentist, doctor, attorney and executive.

**Table 7. Question 18. Mean values for certain collegiate activities ranked according to overall educational, personal or career benefit obtained.**

Activity	Overall (n=1470)	1926-49 (n=134)	1950-89 (n=1336)
	Mean value <sup>a</sup>	Mean value <sup>a</sup>	Mean value <sup>a</sup>
	Rank	Rank <sup>b</sup>	Rank
Block and Bridle Club	3.8	4	3
College course work	2.0	1	1
College field trips	3.9	5	5
Meat judging team	2.3	2	2
Living group	3.7	3	4
Intramural sports	6.0	7	7
Other departmental clubs	5.7	6	6

<sup>a</sup>1 = highest <sup>b</sup>T = Tie in rank

Results in Table 4 indicate areas of employment made most available to students through meat judging were meat industry (47.5%) and meat animal production (46.5%). A significant percentage (22.2%) of the respondents were encouraged to enter meat science graduate school programs through their meat judging experience, which in many cases led them to professional positions (USDA, teaching, law school, medical school, research and extension).

Presented in Table 5 are data which further support the benefits, (decision making, exposure to the meat industry, concentration development, relating to people) obtained from meat judging. Writing training was more important to University personnel and graduate students than to other occupational groups. Exposure to the meats judging was perceived as very important to respondents who are employed in the livestock and meat industry. Travel was ranked low by all occupational groups.

From among seven collegiate activities, the respondents ranked meat judging second to course work according to overall educational, personal or career benefit obtained (Table 7). However, based on the excellent response to this questionnaire, justification exists to obtain additional local and national support to improve a sound educational program which has served animal agriculture well since 1926.

Quotes by participants indicate that many positive feelings are developed between students from other universities and is an invaluable experience and may be the most important benefit obtained from meat judging. These quotes give an indication that there are many benefits obtained from meat judging. The suggestions for improvement of meat judging mainly were positive in their intention and indicate a way for meat judging to become an improved teaching tool.

## Effect of Scholarships on Student Retention

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### Abstract

*A survey of College of Agriculture and Home Economics (CAHE) students at Washington State University illustrates that scholarships have an effect on the retention of students within a given college. Regardless of whether a scholarship was granted or not had little effect on student retention within the CAHE. On the other hand, students that were granted a larger scholarship were more inclined to remain enrolled in the CAHE at Washington State University.*

### Introduction

Funding for a college education is very important for many individuals who are seeking enrollment or others who are currently in college. Many sources of funding exist, aid ranging from personal loans, self or parental funds, financial aid and scholarships. Federal aid is received by 51% of all college students enrolled in public and private schools (Williams, Weathers, Sandza, Burns & Maier, 1985). Scholarships are awarded on the basis of two criteria:

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(DAVIS continued.)

In conclusion, the value of Intercollegiate Meat Judging cannot be measured in dollars or the amount of time spent by each person. The only measure of meat judging is by the benefit each individual receives. The benefits may be different for each person and may not be the same for everyone. Therefore, the constant attempt to improve the quality of Intercollegiate Meat Judging must be continued so animal science departments may continue to help students to be prepared to meet the challenges which face them in the twenty-first century.

### References

- Bemthal, P. H. Comments of an Undergraduate Travel Award Winner. 1982. Proc. 35th Annual Reciprocal Meat Conference.
- Bray, R. W. Panel discussion on Meat Judging. 1982. Proc. 35th Annual Reciprocal Meat Conference.
- Carr, T. R. Meat Judging. 1982. Proc. 35th Annual Reciprocal Meat Conference.
- Huston, J. L. A Sponsor's Perspective. 1982. Proc. 35th Annual Reciprocal Meat Conference.
- Kauffman, R. G. Judging Team Activities. 1982. Proc. 35th Annual Reciprocal Meat Conference.
- Kinsman, D. M. Meat Judging Panel - Opening Remarks. 1982. Proc. 35th Annual Reciprocal Meat Conference.
- Romans, J. R. Meat Judging as viewed by a department head. 1982. Proc. 35th Annual Reciprocal Meat Conference.

1. Need scholarships that are awarded on the financial status of the individual.
2. No-need or merit scholarships that are awarded based on the academic standing of the individual, regardless of the financial situation.

The real fact is that colleges must bring students to their university in order to continue to function. Scholarships have been used to recruit or to bring students to an institution. A study conducted at Rutgers University showed that 69 percent felt that the scholarship was a very important or extremely important factor in their decision to attend the university (Kanerek, 1986).

Recruiting and retaining students to a college is a prime concern. The purpose of this article is to illustrate how students felt about how they were approached and how they were encouraged to remain in the CAHE at Washington State University.

### Method of Investigation

This article will discuss only the portion pertaining to scholarships. Additional information gained through the survey instrument is available from the authors.

In a survey produced by the authors, students who had applied for scholarships from the CAHE from 1985 to 1987 were contacted. The students were surveyed using the following format:

1. An introductory letter was sent to each respondent explaining the purpose of the survey, granting their anonymity and allowing them to receive results if they were interested.
2. The survey instrument was a combination of multiple choice questions which lead to questions with open ended answer possibilities.
3. A stamped, addressed return envelope was enclosed to improve the chances for a quick survey return.

Of the 127 surveys sent via mail, 94 completed surveys (74 percent) were returned. Non-deliverable and non-response was 1.6 percent and 24.4 percent respectfully.

### Results

Applications for scholarships were made by 175 individuals, but 41 never attended Washington State University after applying and 7 students had left school with no forwarding addresses. Figure 1 illustrates the number of applicants, current students, no shows and the number of applicants that have left school for reasons unknown.

The information gathered in the study allowed the au-