

STATE DEPARTMENT OF EDUCATION  
MINUTES OF MEETING  
STATE ADVISORY COMMITTEE ON AGRICULTURAL EDUCATION

October 4, 1967  
Yuba City High School, Yuba City

ROLL CALL

Present

Advisory Committee Members

Norman Boeger  
William Du Bois  
Glen Eidman  
Fred Frick  
Richard Johnsen

Bureau Staff and Guests

James Becket  
H. H. Burlingham  
Jerry Davis  
Dave Graf  
E. M. Juergenson  
Warren Reed  
Everett Walker  
Don Wilson  
Jack White

Absent

Allan Grant (resigned)  
Milton Kidd  
Robert Smith  
Willis Stribling

The meeting was called to order at 9:15 A.M. by Chairman Norman Boeger. Mr. George Souza, Principal of Yuba City High School, welcomed the group and affirmed his belief in the excellence of their high school agriculture department.

New Members and Guests

Chairman Boeger turned the meeting over to Don Wilson for introductions of new members and guests. Mr. William Du Bois and Mr. Richard Johnsen were introduced. They replaced Herman Sperber and Theodore Todd whose terms expired June 30, 1967. Mr. Allan Grant has asked to be replaced as a member of the advisory committee due to heavy commitments in other areas. Mr. Jack White of Arthur D. Little, Inc. was present as a guest.

The California Exposition

The new California Exposition organization and its effect on the Future Farmer program was discussed. Warren Reed explained that the dates for FFA participation were set as July 16-22, 1968. He noted that new classes had been requested to assure greater participation of FFA members. A leadership training session is being planned for the first two days of FFA participation. It was suggested that a legislators' luncheon should be organized in conjunction with the leadership training.

The Advisory committee indicated their support of such a luncheon. Other areas of participation by the FFA will be similar to that in the past. There may be a market animal sale combined with 4-H.

#### UC, Davis Study

A study initiated by Dr. O. E. Thompson on various aspects of agricultural education was explained by Don Wilson (see "Abstract" attached). The study is being conducted with assistance from 4-C funds under the Vocational Education Act of 1963. A person to head up the study has not yet been announced. Members of the Advisory Committee may be contacted concerning various phases of the study.

#### Recent Developments and Trends in Agriculture

Glen Eidman, Willows: Although imports on lambs are restricted, there has been heavy buying by the United States of Australian lambs for use overseas. Australians have reported that by the year 2000 they would double their production of lambs. This may seriously affect United States production. There has been a terrific improvement in the quality of market animals in the past few years. There is a great deal of change in the amount of loin eye and red meat marketed per animal. Much of the change has been encouraged by carcass classes in fairs. Market animals are being marketed at lower weights. The sheep and beef industries are looking toward a brighter future with industry self-help programs. Cross-breeding is becoming more important as a means of getting more red meat.

Richard Johnsen, Sacramento: The Agricultural Council of California operates on three levels - the legislative, educational (with vo-ag classes) and public relations. Substitutes are going to play an important part in agricultural commodity marketing. There is now a whole milk substitute made from coconut oil which may tend to replace much whole milk as it can be produced very economically. Work is being done in various areas of business management. An educational program was held at California State Polytechnic College last year with various educational institutions and industries participating.

Fred Frick, Arvin: Feed lot feeding of livestock is down. Part of this may have been because of lower freight costs from East to West and because of the high tax on land in California. In the future more cattle will be fed closer to the point of origin. Approximately 370 head of beef animals, 400 lambs, and 400 hogs were sold at the Kern County Fair this year. The average price on lambs was \$1.19 per pound. Beef averaged 45¢ and hogs averaged 35¢. There is a carcass cut-out contest at the fair for feed lots. Animals are graded on the hoof, and then the carcass is cut up and judged. The judges proved to be accurate in their on-the-hoof selections. There is a beef substitute on the market today. Labor will be more of a problem in the future. There is a practical mechanical cucumber picker on the market. Research is needed on cucumber varieties suitable for machine picking. There may be a trend for more tomatoes to be grown in Southern California because

of early ripening. Circular irrigation patterns may be a coming thing in Kern County. A quarter section may be sprinkled at one setting.

William Du Bois: Reduced freight rates from East to West have seriously affected swine slaughtering in California. Twenty dollars for hay standing in the field is now being paid. A great deal of alfalfa is being shipped to Japan in pellet form. The pink boll worm has been a serious concern in the Imperial Valley cotton industry. Insecticides alone may not be the answer to eliminating the worm. A twelve-months rotational period free of growing cotton may help. More sugar beets are being grown in Imperial Valley. Labor costs \$1.40 to \$1.60 per hour. More seed wheat is being grown in Imperial Valley. Land values are down because of the 160 acre limitation.

Norman Boeger, San Rafael: The pear crop was shorter than estimated. Out-of-state pears did not hold up. Other tree crops were also short of the estimated yield. Prunes in the Sacramento Valley are adapted to a new prune pitter. The pitter is now operating only at the Yuba City plant. The price is good on most tree crops this year.

#### Arthur D. Little Study of Vocational Education

Mr. Jack White reported to the committee on the study. The State Board of Education engaged Arthur D. Little, Inc. to make the study and determine areas where changes may be needed to improve vocational education and to make forecasts on what is needed to make the improvement.

#### Vo-Ag Teacher Shortage

Dave Graf reported that there definitely is a shortage of qualified vocational agriculture teachers. Numerous positions were filled with interns who are only partially qualified. We need to point out the opportunities for qualified people in teaching agriculture. The certification requirements (Fisher Bill) are a deterrent.

#### Legislation

Don Wilson reported on recent legislation concerning the separation of the State College and Junior College Boards. There is concern that a balance of academic and vocational technical programs will not be maintained.

#### National FFA Board of Directors

Don Wilson reported that he had been appointed to the National FFA Board of Directors. The National FFA Foundation has decided to maintain a fund equal to yearly expenditures. This would allow the foundation to operate one year in case funds were not available in any one year. A new National Center for Future Farmers is being considered on the FFA land in Washington, D. C.

#### Teacher Training in Agricultural Education

A report was given by H. H. Burlingham and Dr. E. M. Juergenson. Teacher preparation and certification in vocational agriculture

is a responsibility of the Bureau of Agricultural Education. The Bureau is also responsible for pre-service and in-service training of agricultural teachers. Recruitment and selection of prospective agricultural teachers is considered by the Teacher Training Institutions. Teachers preparing to teach in agriculture must take an additional or fifth year in training. In-service training is done with Teacher Training Institutions and the Bureau of Agricultural Education working cooperatively. The fifth year of teacher training includes one quarter in a selected department of vocational agriculture under successful teachers. The student teacher becomes an employee of the district and is paid \$125 per month during his practice teaching. The other two quarters of the fifth year are spent back at the institution completing educational and credential requirements.

#### 1968 Meetings of the Advisory Committee

It was moved and seconded that the spring meeting be held Wednesday, March 13, 1968 in Madera, and that the fall meeting be held in the North Coast area somewhere in the vicinity of Arcata.

#### Adjournment and Tour

Following adjournment of the business meeting at 3:30 P.M., members of the committee and bureau staff made a tour of Yuba City Plant 5 of the Sunsweet Corporation.

University of California, Davis  
Department of Agricultural Education

O. E. Thompson, Associate Professor

Project Title: The Determination of Proper Allocation of Functions and Responsibilities of Institutions Providing Education in Agriculture.

Abstract:

The primary purpose of this study is to develop a master plan for education in agriculture which will provide guidance for answers to such questions as the following:

1. What should be the responsibilities of the high school, junior colleges, four-year institutions, and public and private agencies in preparing persons for occupations in agriculture?
2. How can programs be coordinated so that the student in agriculture can move from one educational level to another with minimum difficulty in articulation?
3. How can curricula and majors be organized to reflect accurately the current demands of the industry and, at the same time, prepare the potential worker for the inevitable changes in his area of specialization?
4. What new curricula will be needed to prepare workers for jobs emerging in agricultural industry, and at which institutional level should these be offered?
5. Should there be specialized instruction in agriculture? If so, which institution will handle which specialization?
6. What changes will occur in California's agricultural enrollment in the years ahead? What implications should these changes have for planners?
7. How can unnecessary duplication of facilities, courses, and majors in agricultural education be minimized?
8. What technical and social skills and what basic concepts are necessary for successful employment in each of the levels of employment in agriculture?
9. How can school districts or communities determine their needs relative to programs in agricultural education?

This study is sponsored by the Liaison Committee for Agriculture, a statewide group including the deans of agriculture in all four-year colleges, representatives from junior colleges offering agriculture and a representative from the Bureau of Agricultural Education, State Department of Education. Much interest in this study has also been shown by the Coordinating Council for Higher Education.