In order to evaluate vocational agriculture education in 21 Connecticut high schools for the purposes of developing or updating curriculums, this study intended to: (1) determine employment rates of vocational agriculture graduates in agricultural areas, (2) determine post-secondary educational attainment levels, (3) determine variables affecting income levels for each graduating class, and (4) compare income, education, and employment classifications. Data obtained from high school vocational agriculture graduating classes of 1961, 1964, 1967 and 1970 by means of a mail questionnaire and 20 interviews revealed that: (1) enrollment has doubled from 1961 to 1970, (2) post-secondary education was positively correlated with the level of income and (3) about ten percent of the vocational agriculture graduates attended a 4-year college. Multiple regression analysis supported the hypothesis that the mean salaries of persons employed in the non-farm sector were higher than those working on the farm. An analysis of variance substantiated the fact that work experience is positively correlated to higher income levels. Although most students value the FFA, the 1970 survey showed that many respondents felt that FFA become impersonal and has ignored new fields related to agriculture. (AG)
Education, Employment and Income of High School Vocational Agriculture Graduates

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EDUCATION, EMPLOYMENT AND INCOME OF HIGH SCHOOL
VOCATIONAL AGRICULTURE GRADUATES

A FINAL REPORT TO

CONNECTICUT STATE DEPARTMENT OF EDUCATION
DIVISION OF VOCATIONAL EDUCATION
RESEARCH AND PLANNING UNIT
HARTFORD CONNECTICUT

THIS REPORT WAS MADE POSSIBLE THROUGH
A CONTRACT BETWEEN THE STATE DEPARTMENT
OF EDUCATION AND THE UNIVERSITY OF CONNECTICUT
UNDER PART C OF THE VOCATIONAL EDUCATION AMENDMENTS OF 1968

JUNE 1972

THE POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY
REPRESENT OFFICIAL POLICY OF ANY STATE OR FEDERAL GOVERNMENTAL AGENCY
I. Introduction

The Smith-Hughes Act was passed in 1918 in order to provide additional education for those interested in finding productive employment in agriculture and related industries. In Connecticut, little is known about the employment history of vocational agriculture graduates since the only studies which have been conducted have been of persons who have been out of school only one year. This study was undertaken to provide information to fill the gap. The results should permit an evaluation of how well vocational agriculture training is meeting the purposes of the original act.

The National Vocational Education Act of 1963 and Vocational Amendments of 1968 for the first time permitted Federal funds to be used in training programs for off-farm agricultural occupations but for which a foundation in agriculture was essential. Changes have been made in the Connecticut vocational agriculture offerings as a result of this legislation. In order to determine whether employment patterns have changed as a result of curriculum changes, it is necessary to compare recent graduates with those of previous years. The present study was therefore designed to
cover graduates of the years 1961, 1964, 1967 and 1970. Students from all 21 high schools offering vocational agriculture were surveyed.

In addition to obtaining an employment history data was obtained on income and education beyond high school. The income data included both the annual growth rate and the starting salary.

The relation of high school courses to later specialization for those continuing their education beyond high school is a question of some importance. Many students continue their education beyond high school even though preparation for college is not the purpose of the vo-ag program. This study was designed to obtain data regarding the extent and kind of post-high school education.

The findings should be of use to those who formulate educational policies in agriculture both at the secondary and college level. In addition, it should be a benefit and guide to those who wish to do further research in the area of vocational agriculture.

II. Objectives

To assess the practical implications of a high school vocational agriculture education and to seek out any potential need for the development of new or revision of existing instructional programs, have been the guiding thoughts of this study. In line with these general ideas, the study had the following specific objectives:

1) to determine the extent to which vo-ag graduates are employed in agriculture and related industries as compared to other industries.
2) to determine the level of education following high school for each particular graduating class.
3) to determine the characteristics that have a significant effect on the level of income for each particular graduating class.
4) to compare the incomes of groups with different levels of education and different employment classifications.

III. Description of Procedures

A. The Sample

A list of vocational agriculture graduates was obtained from all of the high schools offering vocational agriculture in the years of 1961, 1964, 1967 and 1970. The high schools included in the study together with the number of respondents by years are shown in Table 1. For purposes of clarification, a graduate was defined as a student who completed one or more years of an approved agricultural program and was enrolled in vocational agriculture at the time of graduation.

Funds did not permit personal interviews of the entire sample, hence, the study depended heavily upon a mail questionnaire.

The questionnaire was designed to cover three basic areas. (See Appendix B). One, education in and beyond high school, two, current employment and income, and three, the relationship between employment status and vocational agriculture education.

Twenty personal interviews were conducted, selected from those who responded to the questionnaire, in order to obtain additional information on the value respondents placed upon their high school training. Those interviewed included various graduates representing diversified views on the curriculum, and different fields in terms of present employment and education.
Table 1

Number of Vocational Agriculture Graduates by High School for the Years 1961, 1964, 1967 and 1970

<table>
<thead>
<tr>
<th>Name of School</th>
<th>Town</th>
<th>Graduating Class</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Enfield</td>
<td>Enfield</td>
<td>10 2</td>
<td>12</td>
</tr>
<tr>
<td>2. E. O. Smith</td>
<td>Mansfield</td>
<td>4 8 14</td>
<td>26</td>
</tr>
<tr>
<td>3. Glastonbury</td>
<td>Glastonbury</td>
<td>4 5 7 6</td>
<td>22</td>
</tr>
<tr>
<td>4. Housatonic Valley Regional</td>
<td>Canaan</td>
<td>1 5 9 14</td>
<td>29</td>
</tr>
<tr>
<td>5. Killingly</td>
<td>Killingly</td>
<td>4 16 8 9</td>
<td>37</td>
</tr>
<tr>
<td>6. Ledyard</td>
<td>Ledyard</td>
<td>7 7</td>
<td>7</td>
</tr>
<tr>
<td>7. Lyman Hall</td>
<td>Wallingford</td>
<td>6 21 26 19</td>
<td>72</td>
</tr>
<tr>
<td>8. Lyman Memorial</td>
<td>Lebanon</td>
<td>3 4 1</td>
<td>8</td>
</tr>
<tr>
<td>9. Nathar Hale-Ray</td>
<td>East Haddam</td>
<td>10 6 7 7</td>
<td>30</td>
</tr>
<tr>
<td>10. New Milford</td>
<td>New Milford</td>
<td>2 5 4</td>
<td>11</td>
</tr>
<tr>
<td>11. Nonnewaug Regional</td>
<td>Woodbury</td>
<td>7 8 14 13</td>
<td>42</td>
</tr>
<tr>
<td>12. Norwich Free Academy</td>
<td>Norwich</td>
<td>6 3 2 6</td>
<td>17</td>
</tr>
<tr>
<td>13. Rockville</td>
<td>Vernon</td>
<td>3 10 9 18</td>
<td>40</td>
</tr>
<tr>
<td>14. Southington</td>
<td>Southington</td>
<td>2 7 9 16</td>
<td>34</td>
</tr>
<tr>
<td>15. Suffield</td>
<td>Suffield</td>
<td>10 12</td>
<td>22</td>
</tr>
<tr>
<td>16. Tourtellotte</td>
<td>Thompson</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>17. Trumbull</td>
<td>Trumbull</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>18. Windham</td>
<td>Windham</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>19. Wamogo Regional</td>
<td>Litchfield</td>
<td>6 9 13 22</td>
<td>50</td>
</tr>
<tr>
<td>20. Woodrow Wilson</td>
<td>Middletown</td>
<td>9 9 5 14</td>
<td>37</td>
</tr>
<tr>
<td>21. Woodstock Academy</td>
<td>Woodstock</td>
<td>4 4 5 2</td>
<td>15</td>
</tr>
<tr>
<td>Total Number of Graduates</td>
<td>82 117 140 194</td>
<td>533</td>
<td></td>
</tr>
<tr>
<td>Total Number of Schools</td>
<td>16 16 16 17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The total sample size and the number of respondents and non-respondents are shown in Table 2. A 51 percent sample was obtained if the "address unknown" category is excluded. This is a high response for any mail questionnaire even though three mailings were conducted.

### Table 2

<table>
<thead>
<tr>
<th>Year</th>
<th>Replied</th>
<th>Current Military Service</th>
<th>Address Unknown</th>
<th>No Response</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1961</td>
<td>32</td>
<td>0</td>
<td>14</td>
<td>36</td>
<td>82</td>
</tr>
<tr>
<td>1964</td>
<td>61</td>
<td>0</td>
<td>10</td>
<td>46</td>
<td>117</td>
</tr>
<tr>
<td>1967</td>
<td>57</td>
<td>4</td>
<td>11</td>
<td>68</td>
<td>140</td>
</tr>
<tr>
<td>1970</td>
<td>103</td>
<td>6</td>
<td>6</td>
<td>79</td>
<td>194</td>
</tr>
<tr>
<td>TOTAL</td>
<td>253</td>
<td>10</td>
<td>41</td>
<td>229</td>
<td>533</td>
</tr>
</tbody>
</table>

**a/** Persons in military service who did not fill out the questionnaire.  
**b/** Figures may not tally between tables because some questionnaires were partially invalidated due to lack of information.

Graduates from the vocational agriculture program doubled in number from 1961 to 1970.**4** This could stem from an increase in total enrollment in high school with the percentage studying agriculture remaining the same. The increase did not appreciably result from more high schools offering vocational agriculture since 16 were involved in the program in 1961, 1964 and 1967 and 17 in 1970.

**1/** It is interesting to note that the percentage of female students has increased from 2.5 percent in 1961 and 1964 to 13.4 percent in 1970.
Graduating classes of 1961, 1964 and 1967 possessed similar agricultural backgrounds. Forty-seven percent were brought up on a farm and 17 percent came from families operating an agricultural enterprise, while in 1970, the proportion was 27 and 13 percent respectively.

Eighty-five percent of the respondents remained in Connecticut for further study and/or employment.

B. Quantitative Analysis

In economic terms, one generally accepted way of determining the practical benefits of education is through analyzing the level of income derived thereafter. One measure of the value of education is the additional amount the economic system is willing to pay for an incremental amount of education. Nevertheless, it is recognized that non-economic factors do exist in any particular job such as working conditions, personal satisfaction and prestige. Such subjective elements are not considered in this analysis. Any benefits which could be quantified, such as overtime pay, are included in the estimation of current income.

Three statistical methods were applied to interpret the data, namely, Multiple Regression, Test for Differences between Means, and an Analysis of Variance. The Analysis of Variance using the critical values for the F-distribution, and the Tests for Differences between Means applying the t-statistic, are quantitative methods used to verify significant differences between or among groups. In this study the objective

2/ Consider one respondent who acquired a college degree yet was earning only $2600 in the Peace Corps.

3/ Those interested to pursue in more detail the statistical methods applied may refer to Appendix A on pages 31-33.
is to determine whether significant differences exist between the current incomes of respondents with two years of further education in agriculture compared to those with no additional education, respondents employed in the farm and non-farm sectors, and a comparison of the incomes in each graduating class.

IV. Results

A. Education In and Beyond High School

Around ten percent of the respondents stated that had the Vo-ag program not been available, they would have dropped out of high school.

Table 3 summarizes for the four classes of graduates, the major areas of interest in vocational agriculture. Some interesting trends are apparent. The classes of 1967 and 1970 show a marked increase in the proportion of students with major interests in the fields of forestry and natural resources, plant science, landscaping and ornamental horticulture. One plausible explanation for this is the increasing interest in environmental problems. There also has been increased interest in the livestock industry which probably results from the boom in pleasure horses. Specialization in farm mechanics has gone up from five to eleven students between 1967 and 1970.

We expect that trends in areas of interest now underway will continue for some time in the future. This would seem to indicate a re-evaluation of the course offerings and areas of specialization in the vocational agriculture program.
Table 3
Distribution by Major Area of Study in Vocational Agriculture

<table>
<thead>
<tr>
<th>Classification of Major Interests</th>
<th>1961</th>
<th>1964</th>
<th>1967</th>
<th>1970</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Crops- Forestry + Natural Resources Conservation</td>
<td>1</td>
<td>4</td>
<td>10</td>
<td>14</td>
<td>29</td>
</tr>
<tr>
<td>2. Dairying</td>
<td>19</td>
<td>19</td>
<td>8</td>
<td>9</td>
<td>55</td>
</tr>
<tr>
<td>3. Farm Mechanics, Supply + Equipment</td>
<td>1</td>
<td>8</td>
<td>5</td>
<td>11</td>
<td>25</td>
</tr>
<tr>
<td>4. General Farming</td>
<td>3</td>
<td>7</td>
<td>6</td>
<td>9</td>
<td>25</td>
</tr>
<tr>
<td>5. Livestock Industry</td>
<td>4</td>
<td>10</td>
<td>9</td>
<td>26</td>
<td>49</td>
</tr>
<tr>
<td>7. Poultry, Egg Science</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>8. Veterinary Medicine</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>9. Wildlife + Recreation</td>
<td>0</td>
<td>2</td>
<td>?</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>10. Food Handling + Processing</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>TOTAL</td>
<td>31</td>
<td>61</td>
<td>55</td>
<td>99</td>
<td>246</td>
</tr>
</tbody>
</table>

Classification based on:
1. "Vocational Education in Connecticut", a publication of the Connecticut State Department of Education, Division of Vocational Education.
3. Actual answers by respondents.
Approximately 45 percent of final agriculture students continue their education for one or more years beyond high school. (See Table 4, page 11). Of those continuing, a constantly increasing percentage are majoring in agriculture, a surprising 80 percent of the 1970 class. Thirteen percent of the graduates of the 1961, 1964 and 1967 classes continued their education by attending a four year college but in 1970 this fell to nine percent.4/

Approximately 65 percent continuing education in a four year college program specialized in agriculture. Of those receiving their college degree, 100 percent obtained their first job in agriculture or related industries. Those students currently pursuing a four year college degree in agriculture and employed part-time, are also in a job connected with the farm sector. In addition, over 50 percent of the graduates from the two-year agricultural school at the University of Connecticut are employed in agriculture or related industries.

The foregoing shows that a large majority of those students interested in pursuing an agricultural career at all educational levels, are finding employment in agriculture or related fields. This conclusion at least obtains for their initial employment opportunities.

B. Current Employment and Current Income

The unemployment level for all graduates was exceptionally low. (See Table 5). Eighty-five percent of those who were self-employed or working with their families were in agriculture.

4/ Ninety-four percent of the graduates of the classes of 1961, 1964, 1967 continued their education in the State of Connecticut but only 46 percent of the 1970 class.
Table 4

Educational Status of Respondents Beyond High School

<table>
<thead>
<tr>
<th>Year of Graduation</th>
<th>Further Education Beyond High School</th>
<th>Major Area of Educational Specialization</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>Percent</td>
</tr>
<tr>
<td>1961</td>
<td>12</td>
<td>39</td>
</tr>
<tr>
<td>1964</td>
<td>29</td>
<td>50</td>
</tr>
<tr>
<td>1967</td>
<td>27</td>
<td>50</td>
</tr>
<tr>
<td>1970</td>
<td>41</td>
<td>43</td>
</tr>
</tbody>
</table>

Table 5

Current Employment Status of Respondents

<table>
<thead>
<tr>
<th>Year of Graduation</th>
<th>Employed</th>
<th>or Working for Family</th>
<th>Unemployed</th>
<th>Military Service</th>
<th>Student</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td></td>
<td>Number</td>
<td>Number</td>
<td>Number</td>
</tr>
<tr>
<td>1961</td>
<td>27</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>1964</td>
<td>53(^a/)</td>
<td>13</td>
<td>2</td>
<td>3</td>
<td>4(^b/)</td>
</tr>
<tr>
<td>1967</td>
<td>46(^a/)</td>
<td>10</td>
<td>2</td>
<td>2</td>
<td>5(^b/)</td>
</tr>
<tr>
<td>1970</td>
<td>60(^a/)</td>
<td>15</td>
<td>6</td>
<td>10</td>
<td>38(^b/)</td>
</tr>
<tr>
<td>Total</td>
<td>186</td>
<td>44</td>
<td>11</td>
<td>15</td>
<td>49</td>
</tr>
</tbody>
</table>

\(^a/\) The number of part-time employed was one, three, and 18 for 1964, 1967, and 1970 respectively.

\(^b/\) Number of part-time students

1964 -- 2
1967 -- 2
1970 -- 7

Table 6 lists the number of respondents by current income and graduating years. Figures 1 to 4 show the frequency distributions of income for each graduating year.

C. Relationship of Employment to Vocational Agriculture Education

Table 7, page 15, shows the current employment status and respondents by major industry classification. The Bureau of Census classification, upon which the table is based does not accurately reflect the relation of the respondent's job to his high school training in agriculture. In several
instances, jobs which could be classified as agricultural or its related fields were classified under another category. For example, an individual working in a milk plant was classified under manufacturing, while one selling farm machinery was classified under wholesale and retail trade category.

Table 6

<table>
<thead>
<tr>
<th>Year of Graduation</th>
<th>Less than 3000</th>
<th>3000-4999</th>
<th>5000-6999</th>
<th>7000-8999</th>
<th>9000-10999</th>
<th>11000-12999</th>
<th>13000-14999</th>
<th>15000 &amp; over</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1961</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>9</td>
<td>9</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td>1964</td>
<td>0</td>
<td>0</td>
<td>8</td>
<td>11</td>
<td>15</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>41</td>
</tr>
<tr>
<td>1967</td>
<td>1</td>
<td>4</td>
<td>15</td>
<td>10</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>40</td>
</tr>
<tr>
<td>1970</td>
<td>0</td>
<td>13</td>
<td>23</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>38</td>
</tr>
<tr>
<td>Total</td>
<td>2</td>
<td>17</td>
<td>48</td>
<td>31</td>
<td>32</td>
<td>7</td>
<td>2</td>
<td>5</td>
<td>144</td>
</tr>
</tbody>
</table>

*a/* Several respondents did not wish to divulge their present salaries.
*b/* With the Peace Corps.
Figure 1: Frequency Distribution for 1961 Graduates

Figure 2: Frequency Distribution for 1964 Graduates
Figure 3

Frequency Distribution for 1967 Graduates

Figure 4

Frequency Distribution for 1970 Graduates
### Table 7

**Current Employment of Respondents Classified by Major Industry**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Agriculture, Forestry, Fisheries</td>
<td>3</td>
<td>13</td>
<td>13</td>
<td>25</td>
<td>54</td>
</tr>
<tr>
<td>2. Mining</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>3. Construction</td>
<td>3</td>
<td>9</td>
<td>5</td>
<td>3</td>
<td>20</td>
</tr>
<tr>
<td>4. Manufacturing</td>
<td>10</td>
<td>10</td>
<td>11</td>
<td>6</td>
<td>37</td>
</tr>
<tr>
<td>5. Transportation, Communication + other Public Utilities</td>
<td>3</td>
<td>6</td>
<td>3</td>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td>6. Wholesale + Retail Trade</td>
<td>4</td>
<td>4</td>
<td>1</td>
<td>15</td>
<td>24</td>
</tr>
<tr>
<td>7. Finance, Insurance + Real Estate</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>8. Business + Repair Services</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>11</td>
</tr>
<tr>
<td>9. Personal Services</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>10. Entertainment + Recreational Services</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>11. Professional + Related Services</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>12. Public Administration</td>
<td>0</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>27</td>
<td>53</td>
<td>45</td>
<td>60</td>
<td>186</td>
</tr>
</tbody>
</table>

---

**Notes:**

- **a/** Based on the 1970 Bureau of the Census Classification.
- **b/** If Tables 5 and 7 are compared, a discrepancy of 1 unclassified respondent will show for 1967 in the employment category.
In designing the questionnaire, it was anticipated that the Bureau of Census' classification would not account for all the related fields. To offset this possibility, the following question was included in the questionnaire: "How related is your present job to your vocational agriculture schooling?". For purposes of statistical analysis, only the answers "Related" and "Not Related" were considered. A respondent who stated "Somewhat Related" was classified under one of the two headings depending on how close his job was connected with agriculture. Therefore, Table 8 probably more closely assesses the relationship of the vocational agriculture program and employment than does the census classification.

### Table 8

Respondents' Opinion as to the Relationship of Their Current Employment Status with Their Vo-Ag Education

<table>
<thead>
<tr>
<th>Year of Graduation</th>
<th>Related Employment</th>
<th>Not Related Employment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Percent</td>
<td></td>
</tr>
<tr>
<td>1961</td>
<td>19</td>
<td>81</td>
</tr>
<tr>
<td>1964</td>
<td>35</td>
<td>65</td>
</tr>
<tr>
<td>1967</td>
<td>38</td>
<td>62</td>
</tr>
<tr>
<td>1970</td>
<td>52</td>
<td>48</td>
</tr>
</tbody>
</table>

*a*/ In the first year of employment for all the 4 graduating years, approximately 50 percent started out in an area related to their agricultural education.
The longer a graduate is away from school, the higher the probability that he will not be employed in the farm sector. As is true of other fields, the longer the length of employment, the less likely one is to be employed in his original field of specialization.

Table 9

<table>
<thead>
<tr>
<th></th>
<th>Connecticut</th>
<th>New England</th>
<th>United States</th>
</tr>
</thead>
<tbody>
<tr>
<td>1961</td>
<td>24</td>
<td>132</td>
<td>6,919</td>
</tr>
<tr>
<td>1964</td>
<td>22</td>
<td>116</td>
<td>6,110</td>
</tr>
<tr>
<td>1967</td>
<td>14</td>
<td>87</td>
<td>4,903</td>
</tr>
<tr>
<td>1970</td>
<td>13</td>
<td>73</td>
<td>4,523</td>
</tr>
</tbody>
</table>


D. Statistical Data and Interpretations

1. **Multiple Regression**

   In trying to explain the variation in income, six possible explanatory variables were considered in a multiple regression analysis, as follows:

   1) Years in vocational agriculture.
   2) Years worked after high school.

   The elements of education and employment which determine income level were the criteria used in selecting the independent variables. It was also felt that years of Military Service might explain some differences in income levels.
3) Farm vs. non-farm employment.
4) Years of military service.
5) Years of further education in agriculture.
6) Years of further education in non-agricultural fields.

Seventeen (17) combinations of the six variables were tested with the intent of verifying the extent to which the variation of the dependent variable income, was associated with variation of the independent variables. Critical values of the F-distribution and the $R^2$ were evaluated to determine the significance of the regression. The $t$-test was conducted to determine the significance of each regression coefficient. The F-test considers all the coefficients of the variables simultaneously affecting one another while the $t$-test treats each one separately. The latter will indicate if there is a tendency of the dependent variable and any of the independent variables to habitually move together. The sign of the coefficient will also denote whether the correlation between the explanatory variable(s) and income is direct or inverse.

The F-test for all the 17 combinations of the independent variables did not yield significant results. In addition, the $R^2$'s, which measure the amount of income variation explained by the variation in the independent variables, were all extremely low. The highest $R^2$ obtained was just over 27.

---

6/ Refer to Appendix A, pages 31-33.
7/ At the five percent level of significance.
The t-test for significance of coefficients on the other hand, produced some important results which are summarized in Table 10. The positive and negative signs before the X's show the direction in which income and the explanatory variables move together. The numbers within the brackets signify the year of the graduating class. 8/

The coefficients of $X_3$ (farm or non-farm employment), $X_5$ (years of further education in agriculture), and $X_6$ (years of further education in non-agriculture) were found to be significant. 9/

It implies that non-farm employment and education beyond high school are directly related with higher levels of income.

Coefficients of the other three variables were not found to be conclusive enough to warrant any prediction. The coefficient for $X_1$, number of years in vocational agriculture, could not aid in explaining variations in income.

The $X_2$ variable, number of years worked after high school, was expected to be associated with increases in salary. However, this variable is subject to influence from other factors such as further education and type of current employment.

8/ $X_3(1)$ would therefore read as follows: The $X_3$ variable is significant for 1961 with a negative sigh in its coefficient.

9/ The term "significant" unless otherwise stated, refers up to the ten percent level.
Table 10

Multiple Regression Analysis—Tests of Significance—a/

<table>
<thead>
<tr>
<th>Combination of Variables</th>
<th>Significant at .05</th>
<th>Significant at .10</th>
</tr>
</thead>
<tbody>
<tr>
<td>( x_1 \times x_2 \times x_3 \times x_4 \times x_5 \times x_6 )</td>
<td>(-x_3(1))</td>
<td>(-x_3(7))</td>
</tr>
<tr>
<td>( x_1 \times x_3 \times x_5 )</td>
<td>(-x_3(1))</td>
<td>(-x_3(7) + x_5(1))</td>
</tr>
<tr>
<td>( x_1 \times x_3 \times x_5 )</td>
<td>(-x_3(1))</td>
<td>(-x_3(7) + x_5(1))</td>
</tr>
<tr>
<td>( x_1 \times x_3 \times x_5 )</td>
<td>(-x_3(1))</td>
<td>(-x_3(7) + x_5(1))</td>
</tr>
<tr>
<td>( x_1 \times x_3 \times x_5 \times x_6 )</td>
<td>(+x_6(4))</td>
<td>(+x_6(1))</td>
</tr>
<tr>
<td>( x_2 \times x_3 \times x_6 )</td>
<td>(-x_3(1))</td>
<td>(-x_3(7) + x_5(1))</td>
</tr>
<tr>
<td>( x_2 \times x_3 \times x_5 \times x_6 )</td>
<td>(-x_3(1))</td>
<td>(-x_3(7) + x_5(1))</td>
</tr>
<tr>
<td>( x_2 \times x_3 \times x_4 \times x_6 )</td>
<td>(-x_3(1))</td>
<td>(-x_3(7))</td>
</tr>
<tr>
<td>( x_3 \times x_4 )</td>
<td>(-x_3(1))</td>
<td>(-x_3(7))</td>
</tr>
<tr>
<td>( x_3 \times x_4 \times x_5 )</td>
<td>(-x_3(1))</td>
<td>(-x_3(7) + x_5(1))</td>
</tr>
<tr>
<td>( x_3 \times x_5 )</td>
<td>(-x_3(1))</td>
<td>(-x_3(7) + x_5(1))</td>
</tr>
<tr>
<td>( x_3 )</td>
<td>(-x_3(1))</td>
<td>(-x_3(7))</td>
</tr>
</tbody>
</table>

a/ For 1970 only 2 combinations were used, one, \( x_1 \) and \( x_3 \) and two, \( x_3 \) because he graduates have not been away from school long enough.
The number of years in Military Service, $X_4$, probably would explain income only to the extent that military training and education were related to present employment. This did not appear to be the situation.

2. The Test for Differences Between Means

The $t$-statistic was used to test whether the mean salaries received between any two groups were significantly different. The first comparison was made between those with two years of further education in agriculture and those without additional education. It was hypothesized that the former would receive higher salaries.

The mean salaries between the two groups were compared in the years 1964 and 1967. At the 10 percent level of significance, the conclusion was reached that any apparent differences between the two groups were due to chance fluctuation. In other words, the mean salaries were not significantly different.

These results need to be clarified for they are not inconsistent with the earlier conclusion, namely, that further education is positively correlated with income. Other things were held equal in analyzing the mean salaries of the two groups except the type of employment (farm or non-farm) to which the respondents belonged. This was done in order to obtain a sufficiently large sample. It was observed that many respondents who had two years of post-secondary schooling in agriculture were usually employed in the farm sector. On the other hand, those who

---

10/ Sufficient observations were lacking in 1961. Graduates for 1970 had not been away from school long enough to make comparisons.
received training only in high school, were usually employed in the non-
farm sector. Recall the $X_3$ variable in the regression analysis which
brought out the fact that respondents in the non-farm employment are
receiving more pay than those in farm employment. Despite the failure
of the $t$-statistic to show any significant differences in the mean
salaries of the two groups, the computed $t$-values were positive.
This means that further education is positively related to higher incomes.\footnote{Also refer to Appendix A, page 32.}

The second comparison was made between the groups employed in the
farm and non-farm sectors. It was hypothesized that the latter, as shown
by the multiple regression results, would be receiving higher pay. Analy-
izing the groups of 1967 and 1970\footnote{1961 and 1964 lacked sufficient observations.}, the calculated $t$-statistic for both
years was significant but only at the 15 percent level. The rather low
level of significance, would seem to support the hypothesis that those
employed in the non-farm sector receive no higher incomes than those in
the farm sector. Yet, it is a well-known fact that per capita disposable
income from all sources has been for many years, favorable to the non-farm
sector.

3. \textit{Analysis of Variance}

Ordinarily, it is expected that an earlier graduating class would
be receiving more pay than subsequent classes simply because of the longer
employment period. A one-factor Analysis of Variance\footnote{Refer to Appendix A, page 32, for further details.} confirmed that
significant differences in salaries did exist between the four graduating
groups. Table 11 lists the interval estimates between the four graduating
years.

\footnote{11/ Also refer to Appendix A, page 32.}
Table 11
Income Differences in Population Means \((u_i - u_j)\) Estimated from Sample Means \((\bar{x}_i - \bar{x}_j)\). 95% Level of Confidence in All Interval Estimates

<table>
<thead>
<tr>
<th>i</th>
<th>1961</th>
<th>1964</th>
<th>1967</th>
<th>1970</th>
</tr>
</thead>
<tbody>
<tr>
<td>1961</td>
<td>0</td>
<td>[ -590; 1702 ]</td>
<td>[ 564; 3238 ]</td>
<td>[ 3243; 4946 ]</td>
</tr>
<tr>
<td>1964</td>
<td>0</td>
<td>[ -175; 1702 ]</td>
<td>[ 175; 2515 ]</td>
<td>[ 495; 2195 ]</td>
</tr>
<tr>
<td>1967</td>
<td>0</td>
<td>[ -175; 1702 ]</td>
<td>[ 175; 2515 ]</td>
<td>[ 1176; 3210 ]</td>
</tr>
<tr>
<td>1970</td>
<td>0</td>
<td>[ -175; 1702 ]</td>
<td>[ 175; 2515 ]</td>
<td>[ 1176; 3210 ]</td>
</tr>
</tbody>
</table>

A respondent who graduated in 1961 would be receiving up to $1702 more or $590 less than compared to a respondent from the 1964 class. The table would read accordingly for the rest of the years. Except for 1961, all the intervals are complemented with positive signs. This means that additional years after graduation are associated with high incomes.

V. Future Farmers of America

The Future Farmers of America (FFA) was organized in November 1928 as the national organization of, by, and for boys studying vocational agriculture in high school. It is a non-profit, non-political, non-sectarian farm youth organization designed to promote leadership. Although voluntary in membership, around 90 percent of the respondents were FFA members. Asked their opinion concerning the value of FFA to them, most of the respondents replied in the affirmative, except for the 1970 class.\(^{15/}\)

\(^{14/}\) In 1969, at the annual FFA meeting in Kansas City, a resolution was passed allowing girls for the first time, to be FFA members on a national basis.

\(^{15/}\) Refer to Part VI on Personal Interviews for further details.
A surprising twenty-one percent of the 1970 respondents replied that FFA was of no value to them. The FFA program may require some revision to continue receiving wholehearted support of vo-ag students.

VI. Personal Interviews and Results of Open-End Questions on Questionnaire

A total of 20 personal interviews were conducted to obtain additional information on the students' evaluation of the program. Students were generally satisfied with their vocational agriculture curriculum. The extensiveness and practical application of subjects differed materially among schools. Some students suggested more practical application in courses offered. Others suggested increased offerings in areas such as Natural Resources Conservation.

In response to the question: "What has your vocational agriculture education meant to you?", the following are some quotes:

"... made me realize small farming is becoming obsolete and aware of the huge expenses involved in running a farm."

"... not much because I had to continue my schooling for another two years in a private prep school to change my program back to straight college."

"... meant much in high school but my present job is not related to it because of insufficient capital to start a farm."

"... better understanding and practical knowledge of livestock which has greatly helped in my job."

"... can help a lot especially if the school like the one I went to, gives you an opportunity to work a certain number of hours on the farm as part of the curriculum."
"... It was a course of decision-making regarding the field of agriculture I was to go into."

"... some students take it because it is an easy though interesting course."

"I took high school quite seriously. Enrolled in vo-ag subjects and the required courses in English and U. S. History plus additional subjects like Science and Mathematics. This qualifies me, more or less, for any college education I wish to pursue and gives me the edge over other graduates who have not taken advantage of these opportunities."

It would seem that the ideal vo-ag graduate is exemplified by the last quote.

In line with the preceding quotes, the over-all response to the value of education received is tabulated in Table 12.

<table>
<thead>
<tr>
<th>Year of Graduation</th>
<th>Favorable</th>
<th>Unfavorable</th>
<th>No Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1961</td>
<td>75</td>
<td>11</td>
<td>14</td>
</tr>
<tr>
<td>1964</td>
<td>71</td>
<td>11</td>
<td>18</td>
</tr>
<tr>
<td>1967</td>
<td>86</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>1970</td>
<td>90</td>
<td>2</td>
<td>8</td>
</tr>
</tbody>
</table>

\(^a/\) Based upon the mail questionnaire.

In addition to a general evaluation of the vo-ag program, the interviews touched on other educational issues. The two year school of agriculture program beyond high school received considerable attention.
Two main topics were discussed. First was the fact that no entrance requirements are specified for those entering the two-year program at the University of Connecticut. Therefore, persons who had no vocational agriculture training while in high school, could be enrolled in this post-secondary school. Some respondents suggested vo-ag be made an entrance requirement. Second, the University of Connecticut awards only a certificate upon graduation from the Ratcliffe Hicks two-year school. Some of the interviewees felt an associate degree should be conferred. This, they argued, would more readily permit graduates of the two-year program to transfer to a four-year school of their choice.

The FFA was another major item of discussion. Many of the 1970 sample who felt the FFA was not valuable described it as "growing so large in membership as to lose its personal identity". The respondents emphasized that the FFA did not give sufficient attention to such important issues as conservation, natural resources use and pollution problems. Others interviewed thought those who did not consider the FFA meaningful were not interested enough to know about or participate in the activities of the organization.

Other main points brought out by the open-ended questions were as follows:

1) More information should be provided to prospective students regarding the vocational agriculture program.

2) Strengthen the program in such a way as to "weed out" uninterested students who enroll in vo-ag merely to get through high school.
3) Provide better counselling to the vo-ag students regarding the opportunities in agriculture.

4) Provide better equipment and modernized facilities.

VII Summary and Conclusions

Data on income, education and employment were obtained from high school vocational agriculture graduating classes of 1961, 1964, 1967 and 1970.

Enrollment in vocational agriculture has doubled from 1961 to 1970.

For those continuing education beyond high school, the two year School of Agriculture at the University of Connecticut has been popular. A majority of the graduates of this program have initially found employment in the agricultural sector. As time progresses, however, they gradually find employment in other job classifications. Vo-ag students do have criticisms of the two-year program, namely, no specific entrance requirements and no associate degree awarded.

Approximately 10 percent of the vo-ag graduates continue their education at a four-year college. This is not surprising since the vo-ag program is largely designed for those who plan on terminating their formal education upon graduation from high school. About 65 percent of those who do continue at a four-year college specialize in agriculture, and 100 percent of those graduating found employment in agriculture or related
industries. Education beyond high school was found to be positively correlated with the level of income.

The unemployment rate for the total sample was satisfactorily low.

In classifying the jobs of the respondents according to industries, two bases were used, namely, the 1970 Bureau of the Census and the opinion of the graduates regarding the relationship of their employment to agriculture. For 1970 graduates, 41 percent found employment in agriculture based on the Bureau of Census classification, while 52 percent of the same respondents stated they were employed in agriculture.

The following variables were found to be significantly related to higher levels of income:

1) \( X_3 \) Farm and Non-Farm employment.

2) \( X_5 \) Years of Further Education in Agriculture.

3) \( X_6 \) Years of Further Education in Non-Agriculture.

The tests for differences between means did not support the hypothesis that the mean salaries of persons employed in the non-farm sector were higher than those working on the farm although the regression analysis did. The regression analysis is probably the better indicator since it holds other variables constant while estimating the effect of farm vs. non-farm employment.

\[ \text{Those currently enrolled in college and working part-time were included.} \]
An Analysis of Variance substantiated the fact that differences in salaries prevailed between respondents according to the different years they graduated. There is a positive return to experience amounting to as much as $1,000 per year.

Most of the students value the incentives and opportunities FFA has provided for them. However, an increasing number of the respondents in 1970, 21 percent, felt that the FFA's increased membership has lost communication with the individual person, and that the organization has ignored new fields related to agriculture.
BIBLIOGRAPHY


A. **Statistical Notes**

1. **Multiple Regression**

Cur Model

Assuming a linear relationship between current income and the independent variables, we have the equation:

\[ Y = a + b_1X_1 + b_2X_2 + \ldots + b_6X_6 + u \]

where
- \( a \) = parameter denoting intercept
- \( b_i (i = 1, 2, \ldots, 6) \) = coefficients of the independent variables
- \( u \) = statistical errors of measurement, human indeterminancy and specification.

\( X_3 \) is a dummy variable and takes on the value of 1 for respondent in farm employment and the value of 0 for respondent in non-farm employment.

The single equation is therefore equivalent to the following two equations:

(farm employment) \[ Y = a + b_1X_1 + b_2X_2 + b_3 + b_4X_4 + b_5X_5 + b_6X_6 + u \]

(non-farm employment) \[ Y = a + b_1X_1 \cdot b_2X_2 + b_4X_4 + b_5X_5 + b_6X_6 + u \]

The critical values for the F distribution measures the significance of any regression.

The \( R^2 \), known as the "coefficient of multiple determination", calculates the percentage of the variation in income explained by the variation of the independent variables.

---

To evaluate the significance of each coefficient, the t-test is used. In simple regression, the F value is equal to \( t^2 \). However, multiple regression requires a more exacting process of breaking-up the Sum of Squares in order to make any assumptions regarding the relationship between the F- and t-test.\(^{18/}\)

2. Test for Differences Between Means

Following are the formulas that were used: \(^{19/}\)

\[
 t(\text{statistic}) = \frac{(\bar{X}_1 - \bar{X}_2)}{S_\Delta}
\]

\[
 S_\Delta = \sqrt{\frac{(N_1 - 1)S_1^2 + (N_2 - 1)S_2^2}{N_1 + N_2 - 2}}
\]

We merely compare the calculated "t" value to: \( t_{\alpha, N_1+N_2-2} \) to come up with any conclusions whether the means are significantly different.

3. Analysis of Variance

An Anova table is used to measure the critical value of the F distribution.

| One-Factor Analysis of Variance (ANOVA)\(^{20/}\) |
|----------------------------------|-----------------|-----------------|------------------|
| Sum of Squares                  | Degrees of Freedom | Mean Sum of Squares | F Ratio |
| Between groups; Explained by differences in \( \bar{X}_i \) | \( SS_R = \frac{g}{\Sigma n_i} \left( \frac{\Sigma i=1 G_i^2}{n_i} - \frac{T^2}{g} \right) \) | \( (g-1) \) | \( SS_R / (g-1) \) |
|                                  | MSS_R / g-1 | \( \frac{MSS_R}{MSS_e} \) |
| Within groups; residual variation resulting from chance fluctuation | \( SS_e = \frac{g}{\Sigma n_i} \left( \sum_{i=1}^{n_i} (X_{ij} - \bar{X}_i)^2 \right) \) | \( \frac{SS_e}{\sum (n_i - 1)} \) | \( \frac{SS_e}{\sum (n_i - 1)} \)

\(^{18/}\) It is possible therefore, as was in the case in this study, for the F-test to be insignificant and the t-test significant.


\(^{20/}\) ANOVA formulas for unequal numbers of observations in each group were derived and synthesized from (1) Wonnacott & Wonnacott and (2) Ostle.
where: 
\( g \) = number of groups
\( e \) = unexplained variation
\( G_i \) = total of the observation in the \( i \)th group = \( \sum_{j=1}^{n_i} X_{ij} \)
\( T \) = grand total \( \sum_{i=1}^{g} \sum_{j=1}^{n_i} X_{ij} \)

Degrees of freedom was calculated to be \( F_{139} \).

The formulas for interval estimates are as follows:

\[
(u_1 - u_2) = (\overline{X}_1 - \overline{X}_2) \pm t_{0.025} S_p \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}
\]

(at the 95% confidence interval)

where: \( n_1 + n_2 - 2 \) is our degrees of freedom

\( u_1, u_2 \) = population means

\[
S_p^2 = \frac{1}{(n_1+n_2-2)} \left[ \sum_{i=1}^{n_1} (X_{1i} - \overline{X}_1)^2 + \sum_{i=1}^{n_2} (X_{2i} - \overline{X}_2)^2 \right]
\]
APPENDIX B

AN INTENSIVE FOLLOW-UP STUDY OF
CONNECTICUT AGRICULTURE GRADUATES OF

PLEASE TYPE OR PRINT YOUR ANSWERS IN INK.

I. IDENTITY INFORMATION

1. NAME
   LAST (HUSBAND'S) ________________________ FIRST ________________________ MIDDLE (MAIDEN) ________________________
   SEX [ ] MALE (1) [ ] FEMALE (2)

2. PRESENT ADDRESS:
   STREET ________________________ CITY ________________________
   COUNTY ________________________ STATE ________________________
   TEL. ________________________ AREA CODE [ ]
   (If you are a Connecticut Resident)

3. IN WHAT STATE OR COUNTRY WERE YOU BORN ________________________

4. YEAR GRADUATED FROM VO-AG ________________________
   FROM WHAT HIGH SCHOOL ________________________
   YEARS OF VOCATIONAL AGRICULTURE IN HIGH SCHOOL ________________________

5. MAJOR COURSE OR AREA OF INTEREST IN VOCATIONAL AGRICULTURE WHILE IN
   HIGH SCHOOL: ________________________

6. CHECK ANY OF THE FOLLOWING IF APPLICABLE
   [ ] I WAS BROUGHT UP ON A FARM
   [ ] MY FAMILY OWNS AND/OR OPERATES AN AGRICULTURE-RELATED BUSINESS
     (NURSERY, FEEDS, FARM EQUIPMENT, ETC.)
   [ ] MY FAMILY WAS NOT DIRECTLY OR INDIRECTLY CONNECTED WITH
     AGRICULTURE

7. FATHER'S OCCUPATION ________________________
II. WORK EXPERIENCE: LIST ALL PAST AND PRESENT POSITIONS CONCERNING EMPLOYMENT, ON THE JOB TRAINING, OR PART TIME WORK BEGINNING WITH THE FIRST POSITION HELD AFTER GRADUATION FROM HIGH-SCHOOL (INCLUDE ANY UNEMPLOYMENT PERIOD AND MILITARY SERVICE) SEQUENCE OF DATES IS ESSENTIAL

(REFER TO EXAMPLE ATTACHED)

<table>
<thead>
<tr>
<th>FROM TO</th>
<th>NAME &amp; LOCATION OF EMPLOYER (IF UNEMPLOYED, STATE UNEMPLOYED)</th>
<th>TYPE OF WORK (IF DIFFERENT POSITIONS WERE HELD UNDER ONE EMPLOYER, PLEASE LIST INDIVIDUALLY) IF UNEMPLOYED, GIVE CIRCUMSTANCE OR REASON</th>
<th>REPORT GROSS SALARY BY HR. WEEK, MONTH OR YEAR WHICH EVER IS APPLICABLE (YEARLY GROSS PREFERRED)</th>
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</table>
III. CURRENT EMPLOYMENT (PLEASE EXPAND ON PRESENT POSITION HELD)

1. ARE YOU WORKING _______________ FULL TIME (1) _______ PART TIME (?)

2. IF PART TIME, ARE YOU ATTENDING SCHOOL _______________ YES (1) _______ NO (?)
   IF YES, PLEASE STATE NAME AND PLACE OF SCHOOL AND COURSE WORK
   ________________________________________________________________
   EXPECTED DATE OF COMPLETION FROM SAID COURSE ___________________

3. CURRENT EMPLOYER (NAME AND ADDRESS OF FIRM)
   ________________________________________________________________
   ________________________________________________________________
   ARE YOU RELATED TO YOUR EMPLOYER _______________ YES (1) _______ NO (?)

4. TYPE OF BUSINESS _______________________________________________
   CURRENT JOB TITLE _____________________________________________
   CURRENT EMPLOYMENT DUTIES ___________________________________ 

5. IF YOU WORK OVERTIME, APPROXIMATE NO. OF OVERTIME HOURS A WEEK __________
   GROSS ANNUAL SALARY $ ________________________________

6. LIST OTHER SOURCES OF INCOME (IF ANY)
   1. _____________________________________________________________
   2. _____________________________________________________________
   3. _____________________________________________________________
   ESTIMATED TOTAL NET EARNINGS A YEAR FROM ALL SOURCES $ ________________

7. HOW RELATED IS YOUR PRESENT JOB TO YOUR VOCATIONAL-AGRICULTURE TRAINING?
   ______ Closely Related (1) _______ Somewhat Related (?)
   _______ Unrelated (3)
   IF PRESENT JOB IS UNRELATED TO YOUR AGRICULTURAL TRAINING, IS THERE ANY
   REASON WHY YOU ARE NOT PURSUING AN AGRICULTURAL RELATED OCCUPATION
                  ____________________________________________________________

8. NUMBER OF YEARS IN MILITARY SERVICE _______________________________
IV. EDUCATION SINCE HIGH SCHOOL GRADUATION

LIST ANY HIGHER EDUCATION SINCE HIGH SCHOOL:

1. NAME AND PLACE OF SCHOOL: ____________
   MAJOR PROGRAM: ____________
   AREA: ____________
   FROM: ____________
   TO: ____________
   DEGREE: ____________

   1.
   2.
   3.
   4.

2. DO YOU INTEND TO PURSUE FURTHER SCHOOLING? _____ YES (1) _____ NO (2)
   IF YES, GIVE MAJOR FIELD: ________________________________

3. CHECK ANY OF THE FOLLOWING IF YOU ARE NOT OR DO NOT INTEND TO PURSUE FURTHER SCHOOLING.
   LACK OF FUNDS: ________________________________
   LACK OF TIME: ________________________________
   OTHER REASONS: ________________________________
   NO SPECIFIC REASON: ________________________________

4. DID YOU BELONG TO FFA (FUTURE FARMERS OF AMERICA)? _____ YES (1) _____ NO (2)
   IF YES, DID YOU CONSIDER IT VALUABLE? _______ YES (1) _____ NO (2)

5. IF VO-AG PROGRAM HAD NOT BEEN AVAILABLE TO YOU, WOULD YOU HAVE COMPLETED HIGH SCHOOL?
   _____ YES (1) _____ NO (2)
V. EVALUATION OF EDUCATION AND TRAINING RECEIVED:

1. LIST VO AG SUBJECTS IN HIGH SCHOOL WHICH YOU THINK HAVE BEEN MOST USEFUL TO YOU SINCE GRADUATION.
   1. 
   2. 
   3. 
   4. 
   5. 

2. WHAT HAS YOUR VOCATIONAL AGRICULTURE EDUCATION MEANT TO YOU?

VII. GENERAL INFORMATION

PLEASE LIST ANY PUBLIC SERVICE ACTIVITIES OR ORGANIZATIONS WITH WHICH YOU ARE AFFILIATED. (LIST TOWN BOARDS, ROTARY, BOY SCOUTS, ETC.)

LIST ANY SPECIAL CLASSES PURSUED

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

LIST ANY SPECIAL AWARD, RECOGNITION, ETC. ACHIEVED DURING AND SINCE HIGH SCHOOL GRADUATION.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
### Example

**II. Work Experience:** List all past and present positions concerning employment, including on-the-job training, or part-time work beginning with the first position held after graduation from high school. (Include any period of unemployment and military service) **Sequence of dates is essential**

<table>
<thead>
<tr>
<th>FROM TO</th>
<th>NAME &amp; LOCATION OF EMPLOYER (IF UNEMPLOYED, STATE: UNEMPLOYED)</th>
<th>TYPE OF WORK (IF DIFFERENT POSITIONS WERE HELD UNDER ONE EMPLOYER, PLEASE LIST INDIVIDUALLY) IF UNEMPLOYED, GIVE CIRCUMSTANCE OR REASON</th>
<th>REPORT GROSS SALARY BY HR. WEEK, MONTH OR YEAR, WHICH EVER IS APPLICABLE. (YEARLY GROSS PREFERRED)</th>
<th>WEEKLY BENEFITS (IF UNEMPLOYED)</th>
<th>REGULAR HOURS WORKED PER WEEK</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR1962 DEC1963</td>
<td>SMITH &amp; SMITH DAIRY FARMS, INC., STORRS, CT.</td>
<td>ICE-CREAM PLANT FOREMAN</td>
<td>STARTING $3.10 per HOUR</td>
<td>$3.30 per HOUR</td>
<td>40</td>
</tr>
<tr>
<td>DEC1963 DEC1964</td>
<td>&quot;</td>
<td>ICE-CREAM PLANT MANAGER</td>
<td>STARTING $7,500 per YEAR</td>
<td>$7,500 per YEAR</td>
<td>40</td>
</tr>
<tr>
<td>DEC1964 FEB1965</td>
<td>UNEMPLOYED</td>
<td>LAID-OFF</td>
<td>STARTING $60.00 per</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>FEB1965 MAR1967</td>
<td>U.S. GOV'T (MILITARY SERVICE)</td>
<td>AIR FORCE STARTED AS PRIVATE ENDED AS CORPORAL</td>
<td>STARTING $80.00 per MONTH</td>
<td>$120.00 per MONTH</td>
<td>40</td>
</tr>
<tr>
<td>MAR1967 JUL1968</td>
<td>MCDONALD'S HAMBURGERS, WILLIAMSVILLE, CT.</td>
<td>(PART-TIME) CASHIER</td>
<td>STARTING $2.80 per HOUR</td>
<td>$3.00 per HOUR</td>
<td>40</td>
</tr>
<tr>
<td>JUL1968 AUG1970</td>
<td>PETERSON FARMS, INC., WHITE PLAINS, NY</td>
<td>ASST. VICE PRES. FOR SALES</td>
<td>STARTING $250.00 per WEEK</td>
<td>$300.00 per WEEK</td>
<td>40</td>
</tr>
<tr>
<td>AUG1970 TO PRESENT</td>
<td>SMITH DAIRY BAR</td>
<td>OWNER</td>
<td>STARTING $10,000 NET EARNINGS</td>
<td>40</td>
<td></td>
</tr>
</tbody>
</table>

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* Star means program discontinued by institution.

1. Enfield High School
2. E. O. Smith High School
3. Glastonbury High School
4. Housatonic Valley Regional
5. Killingly High School
6. Ledyard High School
7. Lyman Hall High School
8. Lyman Memorial High School
9. Nathan Hale-Ray
10. New Milford High School
11. Nonnewaug Regional
12. Norwich Free Academy
13. Rockville High School
14. Southington High School
15. Suffield High School
16. Tourtellotte High School
17. Trumbull High School
18. Windham High School
19. Wamogo Regional High School
20. Woodrow Wilson High School
21. Woodstock Academy