

THE SCHOLARLY PRODUCTIVITY OF TEACHER EDUCATORS
IN AGRICULTURE: 1970-1980

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A favorite song of many children in Bible school is about letting their lights shine and it might be a good theme song for researchers in agricultural education. If research in agricultural education is to make an impact on the profession it must not be hidden under a bushel--it must be disseminated.

The three main avenues for dissemination of research in agricultural education are *The Agricultural Education Magazine*, *The Journal of the American Association of Teacher Educators in Agriculture*, and the National Agricultural Education Research Meetings. It is appropriate, then, to look back into the past decade at these three avenues of dissemination and determine who in the profession has been responsible for disseminating new ideas and knowledge. This type of information can serve three purposes:

1. By recognizing those in the profession who have excelled in disseminating knowledge during the 1970s they may be encouraged to continue their work during the 1980s.
2. Those teacher educators who are not listed as being the most productive scholars during the 1970s may strive to become more productive during the 1980s.
3. Students who are contemplating advanced graduate study may use the data to identify universities which have the most productive faculties in these three areas.

Methodology

This research was conducted in three phases. The first phase involved examining all issues of *The Agricultural Education Magazine* from January, 1970, through December, 1980. The name of each author was placed on an index card along with the

date of the article and the share of authorship for multiple-authored articles. If the article was single-authored, the author received a credit of 1.0. Both authors of dual-authored articles received 0.5 credits and tri-authors each received 0.3 credits. Editorials and book reviews were not included in the compilation.

The second phase of the study involved examining past issues of *The Journal of the American Association of Teacher Educators in Agriculture* published between April, 1970, and November, 1980. The same procedure was used for identifying and recording authors as was employed for *The Agricultural Education Magazine* review.

Programs for the National Agricultural Education Research Meetings (NAERM) were examined in the third phase. People who had presented papers between 1974 and 1980 were identified and the share of authorship was calculated using the same procedure as for the two publications.

It should be noted that only these three avenues of dissemination in agricultural education were studied. This writer is aware that agricultural educators often publish in other journals such as *The Journal of Vocational Education Research*, the *NACTA Journal*, and the *Kappan*. Also, there are other measures of scholarly endeavor such as serving as discussant or chairman of the National Agricultural Education Research Meetings, serving as editor of either agricultural education publication, publishing books, securing grants, presenting papers at various regional and national meetings, and others. These activities were not included in this study.

Findings

The Agricultural Education Magazine.

During the 1970-80 time span, 249 different teacher educators authored articles in *The Agricultural Education Magazine*. The most prolific teacher educator, David Williams of Iowa State, authored or co-authored 20 articles. He was followed by J. C. Atherton with 15 and Forrest Bear with 14. Three teacher educators had 12 citations, one had 11, and three more had 10. A listing of teacher educators with five or more articles is presented in Table 1.

Table 1

AUTHORS OF ARTICLES APPEARING IN
THE AGRICULTURAL EDUCATION MAGAZINE*
1970-1980

Name	Institution	Number of Articles	Share of Authorship
David Williams	Iowa State	20	14.3
J. C. Atherton	Louisiana State	15	14.5
Forrest Bear	Univ. of Minnesota	14	11.5
James Horner	Univ. of Nebraska	12	9.8
J. David McCracken	Ohio State	12	9.8
Paul Hemp	Univ. of Illinois	12	9.0
Roy Dillon	Univ. of Nebraska	11	10.5
Harold Binkley	Univ. of Kentucky	10	9.5
Ralph Woodin	Ohio State	10	9.5
Al Mannebach	Univ. of Connecticut	10	9.0
Jasper Lee	Mississippi State	9	8.0
Richard Welton	Kansas State	9	7.3
L. H. Newcomb	Ohio State	9	6.8
Max Amberson	Montana State	9	6.5
Thomas Hoerner	Iowa State	9	6.5
Larry Miller	Ohio State	8	7.0
Doug Bishop	Montana State	8	6.5
Paul Vaughn	New Mexico State	8	6.5
Robert Walker	Univ. of Illinois	8	6.5
John Todd	Univ. of Tennessee	8	6.0
Earl Webb	Texas A & M	8	6.0
Ralph Bender	Ohio State	8	5.5
James Albracht	Kansas State	7	7.0
C. O. Jacobs	Univ. of Arizona	7	7.0
Herbert Schumann	Sam Houston State	7	7.0
Arthur Berkey	Cornell	7	6.5
Harold Matteson	New Mexico State	7	6.5
Milo Peterson	Univ. of Minnesota	7	6.5
Cayce Scarborough	Auburn	7	6.5

*This listing does not include the monthly editorials written by the editor or book reviews.

(Continued on page 12)

Table 1, Continued

Name	Institution	Number of Articles	Share of Authorship
Clarence Bundy	Iowa State	7	6.0
Maynard Iverson	Auburn	7	6.0
Hollie Thomas	Florida State	7	5.3
Ray Agan	Kansas State	6	6.0
Allen Blezek	Univ. of Nebraska	6	5.5
Gary Moore	Purdue	6	5.5
Charles Byers	Univ. of Kentucky	6	5.0
Donald Elson	Virginia Tech	6	5.0
Richard Foster	Univ. of Idaho	6	5.0
Jerry Stockton	Texas Tech	6	5.0
Rodney Tullock	Univ. of Kentucky	6	5.0
James Key	Oklahoma State	6	4.5
Layle Lawrence	West Virginia Univ.	6	4.5
Sam Curtis	Penn State	6	4.3
William Richardson	Purdue	6	4.0
Clifford Nelson	Univ. of Maryland	6	3.6
Lloyd Phipps	Univ. of Illinois	6	3.3
Martin McMillion	Virginia Tech	5	5.0
Paul Peterson	Cal. State Poly	5	5.0
Lloyd Blanton	Clemson	5	4.5
Vernon Luft	North Dakota State	5	4.5
Bob Stewart	Univ. of Missouri	5	4.5
Leon Mayer	Univ. of Illinois	5	4.0
Victor Bekkum	Iowa State	5	3.5
E. M. Juergenson	Univ. of California	5	3.3
Thomas Stitt	Southern Illinois	5	3.3
J. Dale Oliver	Virginia Tech	5	3.0
Willard Wolf	Ohio State	5	3.0
William Hamilton	Purdue	5	2.8

*This listing does not include the monthly editorials written by the editor or book reviews.

One hundred and seventy-eight articles appeared in *The AATEA Journal* between 1970 and 1980. Twenty-one teacher educators authored or co-authored 48 percent of these articles. Three teacher educators are identified with six articles while five teacher educators are responsible for five each. A list of teacher educators who authored three or more articles is presented in Table 2.

Table 2

AUTHORS OF ARTICLES APPEARING IN THE JOURNAL
OF THE AMERICAN ASSOCIATION OF TEACHER EDUCATORS IN AGRICULTURE
1970 - 1980

Name	Institution	Number of Articles	Share of Authorship
Bob Stewart	Univ. of Missouri	9	5.1
Larry Miller	Ohio State	6	5.5
David Williams	Iowa State	6	4.0
William Richardson	Purdue	6	2.4
J. David McCracken	Ohio State	5	3.8
Roy Dillon	Univ. of Nebraska	5	3.5
Gary Moore	Purdue	5	3.3
Harold Crawford	Iowa State	5	3.0
Clifford Nelson	Univ. of Maryland	5	2.3
Ron Brown	Mississippi State	4	3.0
Benton Bristol	Illinois State	3	3.0
Vanik Eaddy	-	3	3.0
Sam Curtis	Penn State	3	2.5
John Hillison	Virginia Tech	3	2.5
Maynard Iverson	Auburn	3	2.5
Martin McMillion	Virginia Tech	3	2.5
J. Robert Warmbrod	Ohio State	3	2.5
Curtis Weston	Univ. of Missouri	3	2.0
Glen Shinn	Mississippi State	3	1.6
James Legacy	Southern Illinois	3	1.8
Ralph Field	Kansas	3	1.5

NAERM

A national research meeting in agricultural education has been conducted annually since 1974. Papers presented at this meeting are refereed by members of the Research Committee of the Agricultural Division of the American Vocational Association. Eighty-three papers have been presented at the seven research meetings. Seven teacher educators have authored three or more papers while 13 have authored two papers. A listing of teacher educators who have presented two or more papers is found in Table 3.

Table 3

PAPER PRESENTERS AT THE
NATIONAL AGRICULTURAL EDUCATION RESEARCH MEETINGS
1974 - 1980

Name	Institution	Number of Papers Presented	Share of Authorship
Gary Moore	Purdue	5	3.6
David Howell	Penn State	5	2.8
William Richardson	Purdue	4	2.3
Bob Stewart	Univ. of Missouri	4	1.8
J. David McCracken	Ohio State	4	1.6
Al Mannebach	Univ. of Conn.	3	3.0
Larry Miller	Ohio State	3	3.0
M. J. Cepica	Texas Tech	2	2.0
Maynard Iverson	Auburn	2	2.0
Sam Curtis	Penn State	2	1.5
John Hillison	Virginia Tech	2	1.5
David Williams	Iowa State	2	1.5
James Knight	Ohio State	2	1.3
James Legacy	Southern Illinois	2	1.3
Glen Shinn	Mississippi State	2	1.3
Gale Hagee	Virginia Tech	2	1.0
Jasper Lee	Mississippi State	2	1.0
Gary Leske	Univ. of Minnesota	2	1.0
Ann Ries	Ohio State (Graduate Student)	2	0.8
L. H. Newcomb	Ohio State	2	0.6

Overall Productivity.

The twenty most productive teacher educators in terms of authoring papers for the National Agricultural Education Research Meetings and publishing articles in *The Agricultural Education Magazine* and *The AATEA Journal* were identified. Equal weight was given to all three avenues of dissemination even though a valid argument could be made for giving more weight to articles in *The AATEA Journal* and presenting papers at the national research meetings.

The minimum number of articles and presentations needed to qualify for the top twenty list was eleven. Fourteen teacher educators had used all three avenues of dissemination in agricultural education. David Williams was identified as the most productive scholar with 28 total citations. J. David McCracken was next with 21 and was followed by Bob Stewart with 18 citations. Two teacher educators had seventeen citations, Larry Miller and Roy Dillon. The remainder of the top twenty scholars is presented in Table 4.

Conclusions

The people disseminating knowledge in agricultural education should be commended for their efforts and be encouraged to continue their work. At the same time, those teacher educators who were not identified in this article should be encouraged to disseminate their ideas and research. The knowledge base in agricultural education can be increased by greater dissemination of research by agricultural educators. As the profession expands its knowledge base, the possibility of improving the profession increases.

One observation about the top twenty scholar list should be made. The minimum number of articles and presentations needed to make the list was eleven. This means only twenty teacher educators in the profession have averaged at least one article or paper per year during the past eleven years. Shouldn't each teacher educator in the profession contribute at least one article or presentation per year to improve the profession?

Table 4

THE TWENTY MOST PRODUCTIVE SCHOLARS IN AGRICULTURAL EDUCATION
1970 - 1980

Name	<i>Agricultural Education Magazine</i>		<i>AATEA Journal</i>		<i>National Research Meetings</i>		TOTAL	
	No.	Share	No.	Share	No.	Share	No.	Share
David Williams	20	14.3	6	4.0	2	1.5	28	19.8
J. David McCracken	12	9.8	5	3.8	4	1.6	21	15.2
Bob Stewart	5	4.5	9	5.1	4	1.8	18	11.4
Larry Miller	8	7.0	6	5.5	3	3.0	17	15.5
Roy Dillon	11	10.5	5	3.5	1	1.0	17	15.0
J. C. Atherton	15	14.5	1	1.0	-	-	16	15.5
Gary Moore	6	5.5	5	3.3	5	3.6	16	12.4
William Richardson	6	4.0	6	2.4	4	2.3	16	8.7
Al Mannebach	10	9.0	2	2.0	3	3.0	15	14.0
Forrest Bear	14	11.5	-	-	-	-	14	11.5
James Horner	12	9.8	2	1.5	-	-	14	11.3
Paul Hemp	12	9.0	2	2.0	-	-	14	11.0
Jasper Lee	9	8.0	2	2.0	2	1.0	13	11.0
L. H. Newcomb	9	6.8	2	1.3	2	0.6	13	8.7
Maynard Iverson	7	6.0	3	2.5	2	2.0	12	10.5
Ralph Woodin	10	9.5	2	1.0	-	-	12	10.5
Clifford Nelson	6	3.6	5	2.3	1	0.5	12	6.4
Harold Binkley	10	9.5	1	1.0	-	-	11	10.5
Paul Vaughn	8	6.5	2	2.0	1	1.0	11	9.5
Sam Curtis	6	4.3	3	2.5	2	1.5	11	8.3